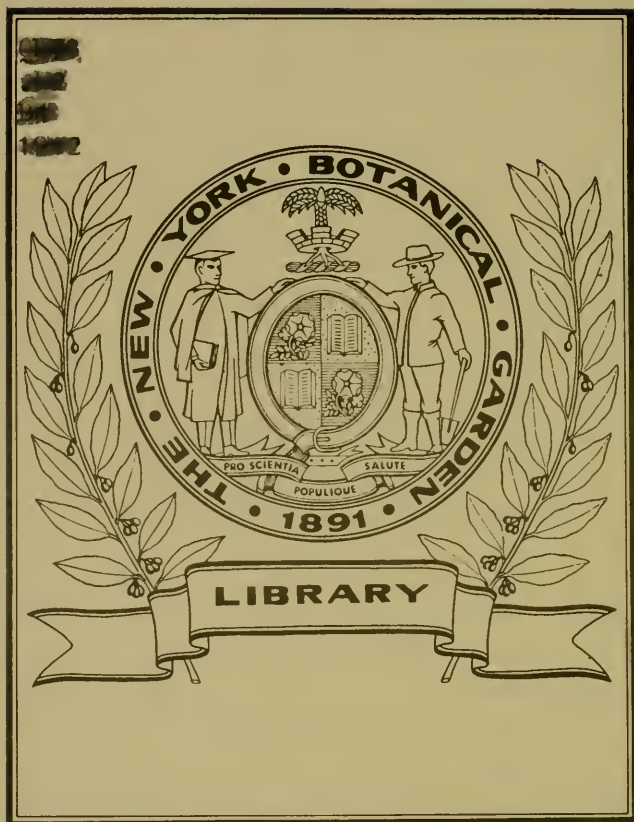


HORTUS MORTOLENSIS



With Lady Hanbury's Compliments

LA MORTOLA,
VENTIMIGLIA,
ITALY.
1912.



SIR THOMAS HANBURY, K.C.V.O., F.L.S.

HORTUS MORTOLENSIS

ENUMERATIO PLANTARUM IN HORTO MORTOLENSI
CULTARUM

ALPHABETICAL

CATALOGUE OF PLANTS

GROWING IN THE GARDEN OF

THE LATE

SIR THOMAS HANBURY, K.C.V.O., F.L.S.

KNIGHT COMMANDER OF THE ORDERS OF ST. MAURICE AND ST. LAZARUS
AND OF THE CROSS OF THE CROWN OF ITALY

AT

LA MORTOLA

VENTIMIGLIA, ITALY

COMPILED BY

ALWIN BERGER

Curator of the Garden

London

WEST, NEWMAN & CO., HATTON GARDEN

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1912

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LONDON :

PRINTED BY WEST, NEWMAN AND CO.

HATTON GARDEN, E.C.

CONTENTS.

	PAGE
PREFACE	v
LIST OF BOOKS REFERRED TO	xvi
CATALOGUE	1
SUPPLEMENT	338
NOTES	354
SYSTEMATIC SYNOPSIS OF THE GENERA .	439

PREFACE.

As the last catalogue of the garden was published in 1897, a new edition becomes necessary, on account of the changes which a large garden undergoes during so many years. Naturally, such a catalogue can never be considered as complete as is the catalogue of a library. It is almost antiquated by the time it is published, as new plants are constantly being introduced and others disappear. I think it therefore necessary to point out that no one must expect to find in the garden at the present moment every plant mentioned in this catalogue, nor in the catalogue the name of every plant to be found in the garden.

The large collection recently made by Mr. Wilson in China and the plants collected in 1909-10 for the garden by Dr. J. Brunthaler in South Africa are for the greater part yet undetermined and therefore only partly included.

Nevertheless, the present catalogue will be of help to students who visit the garden, and will give correspondents an idea of what is cultivated or has been tried.

The nomenclature adopted is that of the *Index Kewensis*, Engler and Prantl's *Natürliche Pflanzenfamilien*, the Colonial Floras edited from Kew, and the more important recent monographs, without adhering rigidly to any one of them. The references do not always give the original description and are not strictly chronological, but indicate where reliable descriptions and figures can be looked up in the library of the garden.

The first two catalogues of the plants grown at La Mortola—one being an alphabetical, the other a systematic, enumeration of about 3600 species then in cultivation—were compiled by the Curator, the late Gustav Cronmeyer, and published in 1889. They were distributed to all Botanical Gardens and to many other correspondents, with permission to draw upon the collection for all scientific purposes. Previous to this, in 1883, a list of seeds containing the names of 557 species was printed and circulated, and since that time has been issued annually. Seeds and plants are

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Garden of La Mortola

now distributed to almost every botanical establishment in the world, and to many private gardens, in increasing numbers. Many Colonial, Agricultural, and Forestry Departments send requests for them, and many a new botanical garden is indebted to La Mortola. In 1900, 6378 packets of seeds were sent out; in 1901, 7837; in 1902, 9331; in 1908 they numbered 13,085.

A second alphabetical catalogue was compiled in the spring of 1897 by the then Curator, Mr. Curt Dinter, now Government Botanist in German South West Africa; this contains about the same number of species as that of 1889.

Since then no efforts have been spared to develop La Mortola into an important subtropical botanical garden. A small Botanical Museum, a Herbarium of cultivated and indigenous plants, and a Library containing the most necessary botanical works, chiefly on systematic and geographical botany, have been gradually formed. All three—Museum, Herbarium, and Library—receive constant additions and are now placed in a special building.

Besides the annual distribution of seeds, fresh and dried material has been liberally sent to many laboratories, and students have been freely admitted to the garden. The introduction of new plants has been continued, and all the available land has been more intensively cultivated and planted.

Among the chief contributors of seeds and plants we are indebted to many Botanic Gardens—chiefly to Kew, Cambridge, Glasnevin, Edinburgh, Oxford, Dahlem-Berlin, Bonn, Darmstadt, Dresden, Freiburg i. Br., Giessen, Göttingen, Hamburg, Karlsruhe, Marburg, Munich, Strassburg, Prague, Schönbrunn, Vienna, Bâle, Zurich, Amsterdam, St. Petersburg, Tiflis, Paris, Antibes (Villa Thuret), Lyons, Marseilles, Montpellier, Genoa, Rome, Naples, Palermo, Parma, St. Louis, Washington, Buitenzorg, Hong Kong, Buenos Aires, &c., also to the establishment of Haage & Schmidt at Erfurt, Vilmorin-Andrieux of Paris, and others.

For plants from *South Africa* we are indebted chiefly to the late Prof. MacOwan, who was one of the oldest and most generous correspondents of Daniel and Thomas Hanbury; to Mr. Arderne and the late Mr. Harry Bolus of Cape Town, Dr. Brunnthaler of Vienna, Prof. Burt-Davy of Pretoria, Mr. Hislop of Pietermaritzburg, to Mr. Hutchins, formerly of Cape Town, to the late Max Leichtlin of Baden-Baden, to Dr. R. Marloth of Cape Town, Mr. Medley Wood of Durban, and to Dr. S. Schönland of Grahamstown. For

plants from *South-Western Africa* we are indebted to Mr. Curt Dinter, Government Botanist in Okahandja.

From *Delagoa Bay* seeds have been sent by the Bishop of Lebombo; from *German East Africa* by Dr. Brunnthaler of Vienna, Prof. Dr. A. Engler of Dahlem, and by Prof. Dr. Stuhlmann of Amani. For plants and seeds from *British East Africa* we are indebted to Mr. Dawe and Mr. Brown of the Botanic Garden in Entebbe, and to Mr. Hutchins of Nairobi, Chief Conservator of Forests in British East Africa; for plants from *Eritrea* and *Abyssinia* to Prof. J. Baldrati of Asmara, to Prof. Penzig of Genoa, Prof. Georg Schweinfurth of Berlin, and to Cav. C. Sprenger of Naples (now of Corfu); for plants from *Egypt* and *Southern Arabia* to Prof. Georg Schweinfurth.

Plants from the *Canary Islands* we owe to the kindness of the late Mr. Morris of Ivybridge, to Lord Walsingham and to Dr. Perez of Orotava.

Western and Southern Mediterranean plants were contributed by Miss Willmott, Mr. C. Bicknell of Bordighera and M. Henri Correvon of Geneva.

Those of the *Eastern Mediterranean* were procured through Mr. Hartmann, chiefly from the Island of Cyprus and Syria; for *Istrian* and *Dalmatian* plants we are indebted to Prof. De Marchesetti of Trieste.

Plants and seeds have also been kindly sent from *Mauritius* by Bishop Gregory and Dr. König; from the Island of *Sokotra* by Prof. Balfour of Edinburgh and Prof. von Wettstein of Vienna.

For *Indian* plants we owe our thanks to the late Sir Dietrich Brandis and the late Sir George King, also to the Directors of the Botanic Gardens at Calcutta, Lal Bagh, and Peradenya; for *Chinese* plants to the Director of the Botanic Garden in Hong Kong, to M. Puteaux in Versailles, Cav. Sprenger, Prof. Sargent, Mr. Wilson, and others.

For *Californian* plants we are indebted to Mrs. Brandegee, Prof. C. F. Baker of Claremont, and Dr. F. Franceschi of Santa Barbara; for *Mexican* plants to Prof. N. L. Britton of New York, Prof. Conzatti of Oaxaca, Mr. C. A. Purpus of Flagstaff, Dr. J. N. Rose of Washington, Dr. H. Ross of Munich, Prof. Wm. Trelease of St. Louis, to the late Dr. Weber of Paris, and others; for plants from *Costa Rica* to Mr. Charles Werklé of San José; for *West Indian* plants to Prof. C. F. Baker of Cuba (now of Claremont, Cal.), to Mr. Fawcett late of Jamaica, and to Messrs. Knight of London; for *Chilian* plants to Mr. Ed. Framm of Hamburg and to

Dr. J. Söhrens, Director of the Botanic Gardens in Santiago; for plants from *South Brazil* to Mr. Reukart of Villefranche, and to Prof. von Wettstein of Vienna; for *Uruguay* plants to Prof. Arechavaleta of Montevideo; for *Argentine* plants to the late Dr. Weber of Paris.

For *Australian* plants we are indebted to the late Baron von Müller, to the late Mr. van den Bossche, to Messrs. Veitch & Sons of London, and to the Directors of the Botanic Gardens of Melbourne, Port Darwin and Sydney, and others. For *New Zealand* plants to Captain Dorrien-Smith of Tresco Abbey, Scilly, and to Dr. A. R. Wallace.

Besides these, we owe numerous plants to the kindness of many whose names it is impossible to enumerate here, but of which some are given in the notes at the end of the catalogue.

The garden is practically never without flowers. The end of September may be considered as the dulllest time, but as soon as the autumnal rains set in, the flowering begins and continues on an ever-increasing scale until the middle of April or beginning of May. Then almost every plant is in flower; the most marked features being the graceful branches of the single yellow Banksian rose, Fortune's yellow rose, the sweet-scented Pittosporum, the wonderful crimson *Cantua buxifolia*, and the blue spikes of the Canarian *Echium*.

Early in January the spring flowers begin to bloom—Anemones, Antholyza, Narcissus, Iris, Sparaxis, Freesias, &c., but before the end of May these have all withered, and the bare soil is a strange sight to those who are accustomed to the green lawns of northern gardens.

In May many succulents begin to flower, the Opuntias and Mesembrianthemums especially showing a great variety of colour. Giant Agaves throw up their tall flower stalks, and are in full bloom a few weeks later. Erythrinæ, Brachychitons, Metrosideros, and many other interesting exotic trees and shrubs, and some of the Bignoniaceæ, open their gorgeous blossoms only during the warmest part of the summer. The *Gardeners' Chronicle* has repeatedly published lists of plants in flower in the garden in midwinter and in midsummer.

The soil at La Mortola is formed by the decomposition of nummulitic limestone of the Lower Eocene period.* It

* F. Giordano & N. Pellati, *Carta Geologica delle Alpi Occidentali*, R. Ufficio Geologico, Roma, 1908.

is heavy and clayey, in summer becoming hard and cracking into deep fissures. Its calcareous composition prevents the cultivation of calcifuge plants. In one part of the garden only a small travertine deposit forms a sandy soil. This, though somewhat calcareous, suits fairly well a number of fine-rooted plants and has lately been planted with Proteaceæ, Melaleucas, &c. On the French side of the Riviera, from Antibes to beyond Cannes, quite a different soil prevails, the result of porphyritic and granite rocks, permitting the cultivation of a great many plants which succeed but imperfectly at La Mortola.

The climate of La Mortola is the typical one of the northern Mediterranean: the summers are dry, and rain falls chiefly from autumn to spring. It is more copious in the three autumn months—October (sometimes even towards the end of September), November, and December, than from January to March. Thunderstorms, though not frequent, may occur at any season; they are most usual in May or June. But, generally speaking, the rainfall is irregular, and three months may pass with little or no rain, and this may happen not only during the summer but also in winter. The drought is often such that even large fleshy *Opuntias* become shrivelled and withered. No garden could exist under these conditions without an artificial water supply, and this is here provided by large tanks.

The average annual* rainfall for ten years (1900–1909) has been about 851·00 mm. (over 33½ inches); the minimum was, in 1908, only 488·70 mm., the maximum, in 1907, 1199·20 mm. We reckon about 50 to 58 rainy days per annum as the average.

The beneficial effect of the rainfall is further diminished by the steep incline of the land. Moreover, the great number of cloudless days on which brilliant sunshine is accompanied by hot and dry winds are a noticeable feature of this climate.

The temperature on the Riviera is not extremely high. The hottest days only show 31°C. (= 88°F.) in the shade; nevertheless, the summer is very trying owing to the moist atmosphere, the continuous bright hot weather, and the warm nights, which only cool down towards morning in

* The monthly average for this period shows the following figures:—January, 27·40 mm.; February, 75·10 mm.; March, 92·80 mm.; April, 56·60 mm.; May, 36·30 mm.; June, 68·10 mm.; July, 24·40 mm.; August, 35·40 mm.; September, 55·50 mm.; October, 167·90 mm.; November, 117·10 mm.; December, 94·40 mm.

places where the north wind brings the fresher air from the mountains. During the greater part of the year, however, the temperature is variable, especially during winter, when the difference between sunshine and shade is very remarkable, and a cool night generally succeeds even a warm winter day. This sudden change is very prejudicial to many tender plants. A marked fall in temperature has almost invariably been observed at the beginning of January, and when cold winds prevail even frost may come. The lowest point of the thermometer, which I have seen, was -4° C. ($=24.8^{\circ}$ F.) on January 6th, 1901. But besides the danger arising from cold winds, we are never quite safe from frost in winter, although it is rather an exception than the rule. A thunderstorm which brings masses of snow or hail on to our nearest mountains, and is followed by a clear night, may bring down the temperature to or below freezing point. These frosts may occur at any time from November to March, but happily they only last a few hours, and generally pass without doing much damage. It is often surprising what an amount of ungenial weather plants can stand.

Snowfalls * occur but rarely, and are of short duration, nor does the snow remain longer than twenty-four hours.

In a garden soil, water, temperature and sunlight are the factors which determine the character of the vegetation, and Nature severely punishes any neglect of them. No one understood this better than Sir Thomas Hanbury, with his keen observation and long experience. "Never go against Nature," was his constant thought in laying out and planting his garden.

A short history of the garden may be of interest. It is chiefly drawn from the notes on "Sowing and Planting at La Mortola," which were carefully kept by the late Sir Thomas Hanbury, and his brother Daniel, the eminent botanist and pharmacologist. These old pages bear witness to the enthusiasm with which the brothers entered upon their self-imposed task, and to their zeal in pursuing it.

It had been the dream of Thomas Hanbury from his early youth to make a garden in a southern climate, and to share its pleasures and botanical interests with his favourite brother. While staying on the Riviera, in the spring of 1867, after many years of strenuous work in the East, he decided

* "On December 12th, 1878, the country down even to the seashore was covered with snow . . . the temperature showed two or three degrees of frost." (See T. H. in *Gardeners' Chronicle*, February 11th, 1879.)

to carry out his plan. He was first inclined to buy Cap Martin, near Mentone, but gave up the idea as soon as he became acquainted with the little cape of La Mortola. As he first approached it by sea, he was struck by the marvellous beauty of this spot. A house, once the mansion of a noble Genoese family, and at that time, though almost a ruin, known as the Palazzo Orengo, stood on a high commanding position. Above it was the little village, and beyond all rose the mountains. To the east of the Palazzo were vineyards and olive terraces; to the west a ravine whose declivities were here and there scantily clothed by Aleppo pines; while on the rocky point, washed by the sea-waves, grew the myrtle, to which *La Punta della Murtola* probably owed its name.*

The purchase was concluded on May 2nd, 1867 (which may be considered to be the date of the foundation of the garden), and the work of restoring the house and adapting it to modern requirements was at once put in hand. Additions were gradually made to the property, and it now extends over an area of 45 hectares (= 112 acres), a great part of which, however, consists of a picturesque wooded ravine.

In July, 1867, Thomas Hanbury returned to La Mortola, accompanied by his brother, who at once appreciated the charms and possibilities of the place. Almost his first thought was to use means to increase the natural vegetation on the wild parts of the property, then almost denuded by the unchecked depredations of the neighbouring peasants, who had freely cut the trees and brushwood, and pastured their goats on the scanty herbage. Many indigenous shrubs, such as *Rhamnus Alaternus*, *Quercus Ilex*, Ivy, &c., now so abundant, were then scarce or non-existent. He sowed seeds of them in the valley, or among the rocks, and from these is derived the present abundant evergreen undergrowth. He also introduced various kinds of *Cistus* which grew in the neighbourhood, but not on the property. The first three dozen rose-plants of different varieties were at this period brought from his father's garden at Clapham.

In the autumn of 1867 Thomas Hanbury was again busy at work. Among the plants mentioned in his notes of September and October are Passion flowers, Geraniums, Peonies, Cedars of Lebanon, Roses, &c. Several interesting gardens and horticultural establishments already existed on

* Myrtle = *mirto* or *mortella* in Italian. (*Murta* = local dialect.)

the French side of the Riviera, especially the botanical garden of M. Thuret on Cap d'Antibes,* the nursery-gardens of Charles Huber & Cie., Hyères, and that of Nabonnand, at Golfe Juan. In all these a wealth of exotic plants was grown, and the first supplies for La Mortola were drawn from them, as is shown by the lists of purchases made at that time. Some 80 varieties of *Acacia*, 20 plants of *Callistemon*, many *Bignonia*, *Arbutus*, *Buxus*, *Chamærops*, many kinds of *Cistus*, some 40 *Eucalyptus*, *Cupressus*, *Ficus*, *Genista*, *Juniperus*, *Magnolia*, *Melaleuca*, *Yucca*, *Wigandia*, &c., were then bought and planted.

Letters, treating chiefly of the garden, were constantly exchanged between the brothers, and in May, 1868, Daniel Hanbury paid his second visit to La Mortola. On his way he received from the Director of the Jardin des Plantes, in Paris, several new plants, among them two specimens of an Australian palm (*Livistona australis*) and one of the large Chilean palm (*Jubæa spectabilis*), which are still in the garden. At Montpellier he was the guest of Prof. Planchon, who gave him, among other plants, the little *Erigeron mucronatus* (generally known as *Vittadenia triloba*), which is now half-wild, not only in this garden, but also in many places in the district. Many other plants, which have now become quite wild in the garden, were introduced at that time, *e.g.* *Ferula communis*, *F. glauca*, the various *Vincas*, *Antholyza æthiopica*, &c.; whilst the interesting indigenous *Euphorbia dendroides*, then rare on the property, was propagated by seeds sown abundantly on rocky places.

We can, in fact, hardly overrate what the garden owed to Daniel Hanbury in those first years. Through his proficiency in botany, and his numerous botanical acquaintances at home and abroad, he was able to obtain rare and valuable plants from all parts. One of his chief endeavours was to procure those of economic and, especially, pharmaceutical importance, *e.g.* *Styrax officinalis*, *Catha edulis*, *Illicium*, *Iris florentina*, *Casimiroa edulis*, *Argania Sideroxylon*, *Pilocarpus pennatifolius*, *Euphorbia resinifera*, &c.

A number of interesting forms of *Citrus*, among them the Bergamot, were also procured in 1868 from M. Sahuts'

* After the death of M. Thuret, his sister-in-law bequeathed the garden, with the means for its upkeep, to the French Government. M. Charles Naudin acted for long years as Director, and his successor, M. le Prof. Dr. George Poirault, continues the fine traditions of this botanical establishment, to which La Mortola owes so many interesting and valuable plants.



DANIEL HANBURY, F.L.S.

nursery garden at Montpellier, and on November 5th, 1868, Thomas Hanbury mentions many plants in flower, among them the striking Mexican *Dahlia imperialis*, "very fine and making a great show now."

The collection of Australian, South African, and American plants must have been a notable one already in the very first years, though no catalogue of that period exists, except of *succulents*. These formed an object of special interest from the very beginning, and Daniel Hanbury from time to time enumerates with evident pride the species in cultivation. Even in June, 1868, he noted 40 different species, and in the autumn of the same year the collection was doubled. Many plants had been sent from Kew, from Paris, and from the fine collection of his old friend—the late Mr. Wilson Saunders, of Reigate—a well-known entomologist and botanist, and the editor of the *Refugium Botanicum*. Most of the large Agaves and Opuntias, which are now such a striking feature of the garden, date from that time.

Until December, 1868, the brothers Hanbury were their own gardeners, having only the unskilled assistance of some of the Mortola peasants, but they were then fortunate in securing a young and excellent head-gardener, Mr. Ludwig Winter,* who remained at La Mortola for about six years. During this period the main parts of the garden assumed their present form.

In 1874 Daniel Hanbury and his friend, Prof. Flückiger (of Strassburg University), finished their important book, *Pharmacographia*, which had closely occupied them for several years. Thomas Hanbury was looking forward to his brother's more frequent presence at La Mortola, but his hopes were doomed to disappointment—Daniel died, after a few weeks' illness, at Clapham Common, on March 24th, 1875.†

During the last twenty-eight years of his life Sir Thomas spent the greater part of the year at La Mortola, and was never happier than when there, surrounded by his family and by friends who shared his love of Nature. He knew almost every individual plant in his garden, and the most precious to him were those which reminded him of his beloved brother. He would gladly have given more time to

* Now Cavaliere and owner of the large horticultural establishment at Bordighera.

† A short biography and obituary notice is to be found in "Science Papers, chiefly Pharmacological and Botanical, by Dan. Hanbury." Edited by Joseph Ince. London, 1876.

his favourite pursuit, but was never unmindful of the many claims made on his sympathy and help from all around. His efforts on behalf of the poor and suffering, and for furthering knowledge, &c., were largely appreciated; and with the same keen interest with which he developed his garden he founded the Botanical Institute of the University of Genoa. This building, equipped with all modern requisites, large collections, and a very rich herbarium, was inaugurated as the "Istituto Hanbury" on September 6th, 1892, during the festivities in commemoration of Christopher Columbus, and in the presence of the Italian authorities, and of many botanists, who were then attending their Congress in the city.

As the Riviera became more and more a health and pleasure resort, the Mortola gardens were thrown open to the public on special days (Monday and Friday afternoons). At first permission to enter was given by letter, but more recently it was decided to admit all who presented themselves at the gate, on payment of a small entrance fee. The money thus collected is given to local charities, foremost among these being the Ventimiglia Hospital. The number of visitors constantly increased, and many of them remember with appreciation how courteously the owner himself acted as guide.*

Many Royal personages have listened with pleasure to Sir Thomas's descriptions of the various plants of interest. Foremost among these was Her late Majesty, Queen Victoria, in commemoration of whose visit a marble slab was placed on the north side of the house, above the entrance to the room where she rested and sketched the view from a west window.

* The late Dr. Maxwell Masters, Editor of the *Gardeners' Chronicle*, who was Thomas Hanbury's guest in May, 1874, published, in that journal, a full account of his visit, illustrated by two woodcuts. (*Gard. Chron.*, 1874, ii. 35-69.) The first list of "Plants in Flower in January" had appeared in the same paper a few months previously. In 1876, Prof. A. Flückiger published a short but very interesting account of the garden, of which an English translation, illustrated by engravings, was printed for private circulation in 1885. Early in the eighties Prof. Penzig, of Modena (now of Genoa), published several pamphlets on the garden, and, at about the same period, the late Dr. Hugh Macmillan devoted a chapter to La Mortola in his book *The Riviera*. The late Rev. C. Casey described many of the plants here in his *Riviera Nature Notes*, which he dedicated to Sir Thomas Hanbury. A long and fascinating chapter is devoted to La Mortola in Prof. Strasburger's *Streifzüge an der Riviera*, which appeared in 1895, and of which an English translation (*Rambles on the Riviera*), made by O. and B. Casey, was published in 1906 by Mr. Fisher Unwin.

A special token of regard and appreciation, in the form of an illuminated address, and their portraits, contained in a very handsome volume, had been prepared for Sir Thomas Hanbury, in honour of his seventy-fifth birthday (June 21st, 1907), by a large number of distinguished botanists from all parts of the world, and some well-known garden-lovers. Unfortunately, he never received it, as he was called hence on the 9th of the preceding March. . He died at La Mortola, and, according to his wish, his ashes were interred in his garden, amidst the old cypress trees.

During his later years Sir Thomas often said that to distribute seeds and plants, and to encourage others in their love of Nature, was his mission in life. That he carried out his mission faithfully, his garden is the best proof.

It may be interesting to give the letter which was written to Sir Thomas by the late Sir Joseph Hooker in 1893, when dedicating to him the 119th volume of the *Botanical Magazine* :—

“ MY DEAR HANBURY,

“ It is no less a duty than a pleasure to offer to you the dedication of a Volume of the *Botanical Magazine*, as a tribute to the value of your services to Scientific Horticulture, in creating a garden of Exotic plants at Mentone, which, in point of richness and interest, has no rival amongst the principal collections of living plants in the world; and in munificently founding the ‘Istituto Botanico Hanbury’ in the Botanical Gardens of the University of Genoa, the early years of which are already so full of promise for the future of Scientific Botany in Europe.”

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La Mortola, May, 1911,

A. BERGER,

Curator.

LIST OF ABBREVIATIONS OF BOOKS REFERRED TO.

- An. Ic. Pl. Med.* = *Icones Plantarum Medicinalium*. Abbildungen von Arzneypflanzen. Nürnberg, 1779–1790. 6 vols. Anonym. book.
- Ard. Fl. Alp. Mar.* = HONORÉ ARDOINO, Flore Analytique du Département des Alpes Maritimes. Mentone, 1867.
- Baill. Mon.* = H. BAILLON, Histoire des Plantes. Monographie des Rénonculacées, &c. Paris, 1868–1873. 5 vols.
- B. M.* = CURTIS, Botanical Magazine. London, 1787–1911. 137 vols.
- Bak. Al. & Yucc.* = J. G. BAKER, A Synopsis of Aloineæ and Yuccoideæ. (Extracted from the Linnean Society's Journal—Botany, vol. xviii. pp. 148–241.)
- Bak. Am.* = *Ibid.*, Handbook of the Amaryllideæ. London, 1883.
- Bak. Brom.* = *Ibid.*, Handbook of the Bromeliaceæ. London, 1889.
- Bak. Ir.* = *Ibid.*, Handbook of the Irideæ. London, 1892.
- Barla, Orch.* = BARLA, Les Orchidées de Nice. Nice, 1868.
- Benth. Fl. Hongk.* = GEORGE BENTHAM, Flora Hongkongensis. London, 1861.
- Benth. Pl. Hartweg.* = *Ibid.*, Plantas Hartwegianas Imprimis Mexicanis etc. Enumerat Novasque Describit GEORGIUS BENTHAM. Londini, 1839.
- Berger, Al.* = ALWIN BERGER, Liliaceæ–Asphodeloideæ–Aloineæ, in Engler's Regni Vegetabilis Conspectus (iv. 38. 3. 2). Leipzig, 1908.
- Berger Euph.* = *Ibid.*, Sukkulente Euphorbien. Stuttgart, 1907.
- Berger, Mesembr.* = *Ibid.*, Mesembrianthenen und Portulacaceen. Stuttgart, 1908.
- Berger, Stap. & Kl.* = *Ibid.*, Stapelien und Kleinien. Stuttgart, 1910.

- Bickn. Fl. Bord. & S. Rem.* = CLARENCE BICKNELL, Flora of Bordighera and San Remo. Bordighera, 1896.
- Bickn. Pl. Riv.* = *Ibid.*, Flowering Plants and Ferns of the Riviera. London, 1885.
- Boiss. Ic. Euph.* = EDMOND BOISSIER, Icones Euphorbiarum. Genève, 1886.
- Boiss. Fl. Or.* = *Ibid.*, Flora Orientalis sive Enumeratio Plantarum in Oriente a Græcia et Ægypto ad Indiæ fines, etc. Genève et Basileæ, 1867-1884, 5 vols.; and i. Suppl. 1888.
- Bonpl.* = Bonplandia. Periodical. Hannover, 1853-1862. 10 vols.
- Bossche, Ic. Sel.* = L. VAN DEN BOSSCHE, Icones Selectæ Horti Thenensis; avec les Descriptions et Annotations de E. DE WILDEMANN. Bruxelles, 1899-1906.
- Bot. Gaz.* = The Botanical Gazette. Periodical. Chicago.
- Brand. For. Fl.* = DIETRICH BRANDIS, Forest Flora of North-west India. London, 1874.
- Brand. Ind. Tr.* = *Ibid.*, Indian Trees. London, 1907.
- Bull. N. York B. G.* = Bulletin of the New York Botanic Garden.
- Bull. Herb. Boiss.* = Bulletin de l'Herbier Boissier. Genève. Periodical. 1893-1908.
- Christ, Spicil.* = H. CHRIST, Spicilegium Canariense. (Reprint from Engler's Bot. Jahrb. ix.) 1887.
- DC.* = AUG. PYRAME et ALPHONS DE CANDOLLE, Prodromus Systematis Naturalis Regni Vegetabilis. Parisiis, 1824-73. 17 parts in 20 volumes.
- DC. Pl. Gr.* = *Pl. Gr.*
- DC. Rev. Cact.* = AUG. PYRAME DE CANDOLLE, Revue de la Famille des Cactées. Paris, 1829.
- Dill. Hort. Elth.* = J. H. DILLENIIUS, Horti Elthamensis Plantarum Rariorum Icones et Nomina, etc. Lugduni Batavorum, 1774.
- Dinter, S. W. Afr.* = K. DINTER, Deutsch Südwest Afrika. Flora, Forst-und landwirtsch. Fragmente. Leipzig, 1909.
- Drum. & Pr. Ag.* = J. R. DRUMMOND and D. PRAIN, Notes on Agave and Furcraea in India. (Separate print from The Agricultural Ledger, 1906, no. 7.)
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⊙ = Annual plant.

⊕ = Biennial plant.

⌵ = Perennial plant.

↳ = Shrub or tree.

§ = Climbing plant.

* = Indigenous plant.

† = See notes at the end of the Catalogue.

HORTUS MORTOLENSIS.



ABELIA *R. Br.*—*N. Pff.* iv. 4. 166, sub *Linnæa*.—Caprifoliaceæ—*Linnææ*.

chinensis *R. Br.*—*DC.* iv. 339.—China.—½. March–May.

floribunda *Decne.*—*B. M.* t. 4316; *Fl. d. S.* t. 5.—Mexico.—½. March–June.

triflora *R. Br.*—*DC.* iv. 339; *Fl. Brit. Ind.* iii. 9; *Wight, Ill.* t. 122; *Brand. Ind. Trees*, 361.—Northern India.—½. March–May.

uniflora *R. Br.*—*DC.* iv. 339; *B. M.* t. 4694; *Fl. d. S.* t. 824. Japan.—½. May.

Aberia *Hochst.* = *Doryalis*.

†**ABIES** *Juss.*—*N. Pff.* ii. 1. 81, *Nachtr.* 24.—Pinaceæ—*Abietinæ*.

alba *Mill.*—*Fl. d'It.* n. 90.—*A. pectinata* *DC.* xvi. 2. 421; *Henk. & Hochst.* 174.—Central and South Europe.—½. April.

balsamea *Mill.*—*DC.* xvi. 2. 423; *Henk. & Hochst.* 176; *Gard. Chron.* 1895, i. 425, 431.—North America.—½.

bracteata *Hook. & Arn.*—*DC.* xvi. 2. 419; *Henk. & Hochst.* 167; *B. M.* t. 4640; *Fl. d. S.* t. 899.—California.—½.

cilicica *Ant. & Kotschy.*—*DC.* xvi. 2. 422; *Veitch, Man. Conif.* 110.—Asia Minor.—½. March–April.

nobilis *Lindl.*—*DC.* xvi. 2. 419; *Veitch, Man. Conif.* 102; *Gard. Chron.* 1896, ii. 275.—California.—½.

Nordmanniana *Spach.*—*Henk. & Hochst.* 173; *Veitch, Man. Conif.* 102, with figure; *B. M.* t. 6992.—Caucasus.—½.

Pinsapo *Boiss.*—*DC.* xvi. 2. 423; *Henk. & Hochst.* 165; *Fl. d. S.* t. 1437–8.—South Spain.—½. April.

religiosa *Lindl.*—*DC.* xvi. 2. 420; *Henk. & Hochst.* 170; *B. M.* t. 6753.—Mexico.—½.

- ABOBRA** *Naud.*—*N. Pff.* iv. 5. 34.—Cucurbitaceæ—Abobrinae.
tenuifolia *Naud.*—*N. Pff. l. c.*—Extra-tropical South America.
 —4 §. July–October.
- ABUTILON** *Gärtn.*—*N. Pff.* iii. 6. 37.—Malvaceæ—Malvæ—
 Abutilinæ.
Darwinii *Hook. fil.* in *B. M.* t. 5917.—Brazil.—½. Spring
 and summer.
Dugesii *S. Wats.* in *Proc. Amer. Acad.* xxi. (1886) 447.—
 Mexico.—½. Spring.
globiferum *G. Don.*—*Nich. Dict.* 4.—Mauritius.—½. Spring
 and summer.
indicum *Sweet.*—*DC.* i. 471; *Fl. Brit. Ind.* i. 226; *Wight,*
 Ic. t. 12.—Tropics.—½. Spring–summer.
longicuspe *Hochst.*—*Fl. Trop. Afr.* i. 184.—Abyssinia, tro-
 pical Africa.—½. Summer.
megapotamicum *St. Hil.*—*B. M.* t. 5717; *Fl. d. S.* t. 1599.
 —Brazil.—½. All the year.
striatum *Dicks.*—*Nich. Dict.* 4; *Baill. Mon.* iv. fig. 144.—
 ½. All the year.
venosum *Lem.*—*B. M.* t. 4463; *Fl. d. S.* t. 5.—Mexico.—½.
 All the year.
vexillarium *E. Morr.* = *megapotamicum*.
- ‡ **ACACIA** *Willd.*—*N. Pff.* iii. 3. 108.—Leguminosæ—Mimosoideæ
 —Acacieæ.
acinacea *Lindl.*—*Fl. Austr.* ii. 353; *F. Müll. Austr. Ac.* i.
 t. 7.—Australia.—½. March–April.
alata *R. Br.*—*Fl. Austr.* ii. 320.—*A. platyptera* *Lindl.*—*B. M.*
 t. 3933.—W. Australia.—½. Winter–spring.
arabica *Willd.*—*DC.* ii. 461; *Fl. Brit. Ind.* ii. 293; *Baill.*
 Mon. ii. fig. 28.—N. Africa, Arabia, India.—½.
armata *R. Br.*—*Fl. Austr.* ii. 347; *B. M.* t. 1653; *Lodd.*
 B. C. t. 49.—N. S. Wales, Victoria, S. Australia, W. Aus-
 tralia.—½. February–April.
 „ var. **angustifolia** *Benth. Fl. Austr. l. c.*—*A. undulata*
Willd.—*Lodd. B. C.* t. 753.—½. February–April.
Baileyana *F. Müll. Ic. Austr. Ac.* ii. t. 115; *Gard. Chron.*
 1894, i. 37.—Queensland, N. S. Wales.—½. Winter.
brachybotrya *Benth.*—*Fl. Austr.* ii. 373; *B. M.* t. 4384.—
 N. S. Wales, Victoria, S. Australia.—½. March–May.
calamifolia *Sweet.*—*DC.* ii. 451; *Fl. Austr.* ii. 339; *Lodd.*
 B. C. t. 909; *Bossche, Ic. Sel.* t. 7.—N. S. Wales, Victoria,
 S. Australia.—½. February–April.

ACACIA

- Cavenia** *Hook. & Arn.—F. Müll. Sel. Extra-trop. Pl. 2.—*
Chili.— $\frac{1}{2}$. May–June.
- congesta** *Benth.—Fl. Austr. ii. 346.—W. Australia.—* $\frac{1}{2}$.
March–April.
- cultriformis** *A. Cunn.—Fl. Austr. ii. 375; Hook. Ic. Pl.*
t. 170; *The Gard.* 1902, i. 255.—N. S. Wales.— $\frac{1}{2}$.
April–June.
- „ **var. albicans** *Hort. Winter.—* $\frac{1}{2}$.
- cuneata** *Benth.—Fl. Austr. ii. 351.—W. Australia.—* $\frac{1}{2}$. April.
- Cunninghami** *Hook.—Fl. Austr. ii. 407.—Queensland, N. S.*
Wales.— $\frac{1}{2}$.
- cyanophylla** *Lindl.—Fl. Austr. ii. 364.—W. Australia.—* $\frac{1}{2}$.
April–May.
- cyclopis** *A. Cunn.—Fl. Austr. ii. 388; F. Müll. Ic. Austr. ii.*
t. 173.—W. Australia.— $\frac{1}{2}$. May–July.
- dealbata** *Link.—DC. ii. 458; Fl. Austr. ii. 415; Lodd. B. C.*
t. 1928.—N. S. Wales, Victoria, Tasmania.— $\frac{1}{2}$. February–
April.
- decipiens** *R. Br.—DC. ii. 449; Fl. Austr. ii. 351; B. M.*
t. 1745, 3244.—W. Australia.— $\frac{1}{2}$. April.
- decurrens** *Willd.—DC. ii. 470; Fl. Austr. ii. 414.—Queens-*
land, N. S. Wales, Victoria, Tasmania, S. Australia.— $\frac{1}{2}$.
- De Neufvillei** *Hort. Winter.—Gartenwelt, xiv. (1910), 112.—*
Garden origin.— $\frac{1}{2}$. February–March.
- Dietrichiana** *F. Müll.—Ic. Austr. Ac. i. t. 53.—Australia.*
 $\frac{1}{2}$. April.
- diffusa** *Lindl.—DC. ii. 450; Fl. Austr. ii. 332; B. M. t. 2417;*
Lodd. B. C. t. 631.—Victoria, Tasmania, N. S. Wales.— $\frac{1}{2}$.
- dodonæifolia** *Willd.—Fl. Austr. ii. 359.—S. Australia.—* $\frac{1}{2}$.
March–June.
- Drummondii** *Lindl.—Fl. Austr. ii. 419; B. M. t. 5191.—W.*
Australia.— $\frac{1}{2}$. February.
- eburnea** *Willd.—DC. ii. 461; Fl. Brit. Ind. ii. 293.—India.*
— $\frac{1}{2}$. June–August.
- excelsa** *Benth.—Fl. Austr. ii. 390.—Queensland.—* $\frac{1}{2}$.
- extensa** *Lindl.—Fl. Austr. ii. 349.—A. pentaedra Regel,*
Grtflra. t. 24.—W. Australia.— $\frac{1}{2}$. March–April.
- falcata** *Willd.—DC. ii. 451; Fl. Austr. ii. 361; Lodd. B. C.*
t. 1115.—Queensland, N. S. Wales.— $\frac{1}{2}$.
- Farnesiana** *Willd.—DC. ii. 461; Fl. Austr. ii. 419; Wight,*
Ic. t. 300.—Tropics.— $\frac{1}{2}$. May–November.

ACACIA (*continued*).

- glaucescens** Willd.—*DC.* ii. 454; *Fl. Austr.* ii. 406; *B. M.* t. 3174.— $\frac{1}{2}$. Queensland, N. S. Wales.
- Gnidium** Benth.—*Fl. Austr.* ii. 359.—Queensland.— $\frac{1}{2}$. April.
- Hanburyana** Hort. Winter.—*Gartenwelt*, xiv. (1910), 111.—Garden origin.— $\frac{1}{2}$. December–February.
- harpophylla** F. Müll.—*Fl. Austr.* ii. 389; *F. Müll. Austr. Ac.* i. t. 59.—Queensland.— $\frac{1}{2}$. July.
- hispidula** Willd.—*DC.* ii. 450; *Fl. Austr.* ii. 355; *Lodd. B. C.* t. 823.—N. S. Wales.— $\frac{1}{2}$.
- homalophylla** A. Cunn.—*Fl. Austr.* ii. 383; *F. Müll. Ic. Austr. Ac.* i. t. 57.—N. S. Wales, Victoria, South Australia.— $\frac{1}{2}$.
- horrida** Willd.—*DC.* ii. 460; *Jacq. H. Sch.* t. 393; *Fl. Cap.* ii. 281; *Marl. Kapl.* 56.—South Africa.— $\frac{1}{2}$. July–August.
- juncifolia** Benth.—*Fl. Austr.* ii. 339; *F. Müll. Ic. Austr. Ac.* i. t. 18.—N. Australia, Queensland, N. S. Wales.— $\frac{1}{2}$.
- juniperina** Willd.—*Fl. Austr.* ii. 331; *Lodd. B. C.* t. 398.—Queensland, N. S. Wales, Victoria, Tasmania.— $\frac{1}{2}$. April–June.
- leucocephala* Link = *Leucæna glauca*.
- linifolia** Willd.—*Fl. Austr.* ii. 371; *B. M.* t. 2168.—Queensland, N. S. Wales.— $\frac{1}{2}$. April.
- longifolia** Willd.—*DC.* ii. 454; *Fl. Austr.* ii. 397–8; *Vent. J. Malm.* t. 62; *B. M.* t. 1827, 2166; *Lodd. B. C.* t. 678.—N. S. Wales, Victoria, Tasmania, S. Australia.— $\frac{1}{2}$. March–April.
- lunata** Sieb.—*DC.* ii. 452; *Fl. Austr.* ii. 373; *Lodd. B. C.* t. 1235.—Queensland, N. S. Wales, Victoria.— $\frac{1}{2}$. March–April.
- macradenia** Benth.—*Fl. Austr.* ii. 362; *F. Müll. Ic. Austr. Ac.* i. t. 47.—Queensland.— $\frac{1}{2}$. April–May.
- Maidenii** F. Müll.—*Macl. Mem. Linn. Soc. N. S. Wales* (1893), 222, t. 29.—N. S. Wales.— $\frac{1}{2}$.
- melanoxyton** R. Br.—*DC.* ii. 452; *Fl. Austr.* ii. 388; *B. M.* t. 1659; *Lodd. B. C.* t. 630.—N. S. Wales, Victoria, S. Australia, Tasmania.— $\frac{1}{2}$. March–June.
- microbotrya** Benth.—*Fl. Austr.* ii. 363.—W. Australia.— $\frac{1}{2}$. November–December.
- montana** Benth.—*Fl. Austr.* ii. 357; *F. Müll. Austr. Ac.* i. t. 30.—N. S. Wales, Victoria, S. Australia.— $\frac{1}{2}$.

ACACIA

- neriifolia** *A. Cunn.*—*Fl. Austr.* ii. 363.—Queensland, N. S. Wales, S. Australia.— $\frac{1}{2}$. April–May.
- notabilis** *F. Müll.*—*Fl. Austr.* ii. 365.—N. S. Wales, Victoria.— $\frac{1}{2}$.
- obliqua** *A. Cunn.*—*Fl. Austr.* ii. 353; *B. M.* t. 4041.—N. S. Wales, Victoria, S. Australia.— $\frac{1}{2}$. March–May.
- Oswaldi** *F. Müll.*—*Austr. Ac.* i. t. 10; *Fl. Austr.* ii. 384.—N. S. Wales, Victoria, S. Australia.— $\frac{1}{2}$.
- pendula** *A. Cunn.*—*Fl. Austr.* ii. 383; *F. Müll. Austr. Ac.* i. t. 58.—Queensland, N. S. Wales.— $\frac{1}{2}$.
- podalyriæfolia** *A. Cunn.*—*Fl. Austr.* ii. 374; *Gard. Chron.* 1894, i. 39.—Queensland.— $\frac{1}{2}$. December–March.
- prominens** *A. Cunn.*—*Fl. Austr.* ii. 371; *B. M.* t. 3502.—N. S. Wales, S. Australia.— $\frac{1}{2}$. April.
- pulchella** *R. Br.*—*DC.* ii. 455; *Fl. Austr.* ii. 416; *Lodd. B. C.* t. 212.—W. Australia.— $\frac{1}{2}$.
- pycnantha** *Benth.*—*Fl. Austr.* ii. 365.—Victoria, S. Australia.— $\frac{1}{2}$. March–April.
- retinodes** *Schlecht.*—*Fl. Austr.* ii. 362; *F. Müll. Austr. Ac.* i. t. 49.—*A. semperflorens* Hort.—Victoria, S. Australia.— $\frac{1}{2}$. All the year.
- Riceana** *Hensl.*—*Fl. Austr.* ii. 335; *B. M.* t. 5835.—Tasmania.— $\frac{1}{2}$. April.
- rigens** *A. Cunn.*—*Fl. Austr.* ii. 337.—N. S. Wales, Victoria, S. Australia.— $\frac{1}{2}$.
- rostellifera** *Benth.*—*Fl. Austr.* ii. 368.—W. Australia.— $\frac{1}{2}$.
- rupicola** *F. Müll.*—*Fl. Austr.* ii. 333.—Victoria, S. Australia.— $\frac{1}{2}$.
- saligna** *Wendl.*—*DC.* ii. 450; *Fl. Austr.* ii. 364.—W. Australia.— $\frac{1}{2}$.
- semplorens* Hort. = *retinodes*.
- sentis** *F. Müll.*—*Fl. Austr.* ii. 360; *F. Müll. Austr. Ac.* i. t. 39.—N. Australia, Queensland, N. S. Wales, Victoria, S. Australia.— $\frac{1}{2}$.
- Siebertiana** Hort. *Winter.*—*Gartenwelt*, xiv. (1910), 112.—Garden origin.— $\frac{1}{2}$. February–March.
- sphærocephala** *Cham. & Schlecht.*—*B. M.* t. 7663.—Mexico.— $\frac{1}{2}$.
- stenophylla** *A. Cunn.*—*Fl. Austr.* ii. 385; *F. Müll. Austr. Ac.* i. t. 55.—N. Australia, Queensland, N. S. Wales, Victoria, S. Australia.— $\frac{1}{2}$. April.

ACACIA (*continued*).

subcærulea *Lindl.*—*Fl. Austr.* ii. 369.—W. Australia.—½.
December–March.

uncinella *Benth.*—*Fl. Austr.* ii. 341.—W. Australia.—½.

verniciflua *A. Cunn.*—*Fl. Austr.* ii. 358; *B. M.* t. 3266, 3279.

—*Lodd. B. C.* t. 1460 as *A. graveolens*.—E. Australia.—½.

verticillata *Willd.*—*DC.* ii. 453; *Fl. Austr.* ii. 334; *B. M.*
t. 110; *Lodd. B. C.* t. 535.—Victoria, Tasmania, S. Aus-
tralia.—½. April–May.

„ var. **pendula**.—½. April–May.

vestita *Ker.*—*DC.* ii. 452; *Fl. Austr.* ii. 375.—N. S. Wales.
—½.

Whanii *F. Müll.*—*Fl. Austr.* ii. 386.—Victoria.—½.

ACÆNA *Vahl.*—*N. Pff.* iii. 3. 46.—Rosaceæ–Rosoideæ–Sanguis-
orbeæ.

inermis *Hook. fil. Hdb. Fl. N. Zealand*, 57.—New Zealand.
—¼. May–July.

myriophylla *Lindl.*—*Nich. Dict.* 7.—Chili.—¼. May–July.

ovalifolia *Rz. & Pav.*—*DC.* ii. 592.—Chili.—¼. May–July.

ovina *A. Cunn.*—*Fl. Austr.* ii. 433.—Australia, New Zealand,
S. America.—¼.

pinnatifida *Rz. & Pav.*—*DC.* ii. 592.—Chili.—¼. May–July.

sanguisorbæ *Vahl.*—*DC.* ii. 592; *Fl. Austr.* ii. 434.—Aus-
tralia, N. Zealand, Tristan d'Acunha, &c.—¼. May–
July.

sarmentosa *Carm.*—*DC.* ii. 592.—Tristan d'Acunha.—¼ ½.

ACANTHOPANAX *Decne. & Planch.*—*N. Pff.* iii. 8. 49.—Ara-
liaceæ–Schefflereæ.

aculeatum *Seem.*—*N. Pff. l. c.*—*DC.* iv. 252; *Lodd. B. C.*
t. 977.—China.—½. November–February.

ricinifolium *Seem.*—*Nich. Dict. Suppl.* 5.—Japan.—½.

‡ **ACANTHUS** *L.*—*N. Pff.* iv. 3b. 318.—Acanthaceæ–Acan-
thoideæ.

arboreus *Forsk. Fl. Æg.-ar.* 115; *DC.* xi. 272; *Fl. Trop. Afr.*
v. 106; *Gard. Chron.* 1902, i. 221–2, fig. 70.—Arabia,
Abyssinia, trop. E. Africa.—½. April–June.

Caroli-Alexandri *Haussk.*—*Consp. Hal. Fl. Græc.* ii. 460.—
Greece.—¼. June.

longifolius *Hort.*—*DC.* xi. 270; *Fl. d'It.* n. 3223.—Dalmatia.
—¼. May.

ACANTHUS

mollis *L.*—*DC.* xi. 270; *Fl. d'It.* n. 3222.—Dalmatia, Italy.—
 24. April–June.

„ var. **candelabrum** *Hort.*—24. April–June.

montanus *T. Anders.*—*DC.* xi. 272; *B. M.* t. 5516; *Fl. Trop. Afr.* v. 107; *Gard. Chron.* 1909, i. 201.—Western and Eastern tropical Africa.—12.

spinosus *L.*—*DC.* xi. 271; *B. M.* t. 1808; *Fl. d'It.* n. 3221.—Mediterranean region, Asia Minor.—24. April–June.

† **ACER** *L.*—*N. Pff.* iii. 5. 269.—Aceraceæ.

cappadocicum *Gled.* var. **sinicum** *Rehd.*—China (*Wilson*, n. 1009).—12.

catalpifolium *Rehd.*—China (*Wilson*, n. 1359).—12.

caudatum *Wall.* var. **multiserratum** *Rehd.*—China (*Wilson*, n. 1061).—12.

Davidii *Franch.*—*Pax, Acerac. (R. V. C.)*, 36; *Schneider, Hdb. Laubh.* ii. 216.—China (*Wilson*, n. 341, 649, 1005, 1005a, 1008a).—12.

lævigatum *Wall.*—*Fl. Brit. Ind.* i. 693; *Pax, Acerac. (R. V. C.)*, 32.—Himalaya, China (*Wilson*, n. 979).—12.

laxiflorum *Pax, Acerac. (R. V. C.)*, 36.—China (*Wilson*, n. 1069, 1154, 1234, 1309).—12.

Negundo *L.*—*Pax, Acerac. (R. V. C.)*, 42; *Fl. d'It.* n. 2452.—N. America, Mexico.—12. April.

oblongum *Wall.*—*DC.* i. 593; *Fl. Brit. Ind.* i. 693; *Pax, Acerac. l. c.* 31.—India, China (*Wilson*, n. 257).—12. April–May.

pictum *Thunb.* var. **parviflorum** *C. K. Schneider, Hdb. Laubh.* ii. 225.—Japan, Manchuria, China (*Wilson*, n. 642).—12.

Wilsoni *Rehd.*—*Schneider, Hdb. Laubh.* ii. 204.—China (*Wilson*, n. 233).—12.

Achania *Sw.* = *Malvaviscus*.

ACHILLEA *L.*—*N. Pff.* iv. 5. 272.—Compositæ–Anthemideæ–Anthemidinæ.

Ageratum *L.*—*DC.* vi. 27; *Fl. d'It.* n. 3598.—S. Europe.—24. June.

biserrata *M. B.*—*DC.* vi. 23.—Asia Minor.—24. June.

ligustica *All.*—*DC.* vi. 26; *Fl. d'It.* n. 3603.—Europe, Orient.—24. May–June.

sericea *Vis.*—*DC.* vi. 21.—Dalmatia.—24. May–June.

- ACHYROPHORUS** Scop.—*N. Pff.* iv. 5. 362, sub *Hypochæris*.—
Compositæ—Cichoriæ—Leontodontinæ.
pinnatifidus DC. vii. 93; *Fl. d'It.* n. 3830 δ.—S. Italy,
Corsica.— $\frac{1}{4}$. Summer.
- ACNISTUS** Schott.—*N. Pff.* iv. 3b. 14.—Solanaceæ—Solaneæ—
Lyciinæ.
cestroides Miers.—DC. xiii. 1. 500.—*Lycium cestroides*
Schlecht.—Uruguay.— $\frac{1}{2}$. May–June.
- ACOKANTHERA** G. Don.—*N. Pff.* iv. 2. 126.—Apocynaceæ—
Plumierioideæ—Arduineæ.
spectabilis Hook. fil.—*B. M.* t. 6359; *Fl. Cap.* vi. 1. 501;
Wood, Natal Pl. t. 74.—*Toxicophlæa spectabilis* Sond.—
S. Africa.— $\frac{1}{2}$. May–June.
- ACRADENIA** Kippist.—*N. Pff.* iii. 4. 136.—Rutaceæ—Rutoideæ—
Boronieæ.
Frankliniæ Kippist.—*Fl. Austr.* i. 328.—Tasmania.— $\frac{1}{2}$.
- ACTINIDIA** Lindl.—*N. Pff.* iii. 6. 125.—Dilleniaceæ—Acti-
nidioideæ.
Kolomikta Maxim.—*N. Pff.* l. c.—*A. callosa* Lindl. *Fl. Brit.*
Ind. i. 286.—East Asia, Japan.— $\frac{1}{2}$ §.
- ACTINOMERIS** Nutt.—*N. Pff.* iv. 5. 238.—Compositæ—Heli-
antheæ—Verbesininæ.
helianthoides Nutt.—DC. v. 575.—Georgia.— $\frac{1}{4}$.
squarrosa Nutt.—DC. v. 575.—Eastern United States.— $\frac{1}{4}$.
- ACTINOSTEMMA** Griff.—*N. Pff.* iv. 5. 13.—Cucurbitaceæ—
Fevilleæ—Gomphogyninæ.
paniculatum Maxim.—*Forb. & Hemsl. En. Pl. Chin.* 320.—
China.— $\frac{1}{4}$ §.
- ‡ **ACTINOSTROBUS** Miq. — *N. Pff.* ii. 1. 93.—Pinaceæ—
Cupressinæ.
pyramidalis Miq. — DC. xvi. 2. 444; *Fl. Austr.* vi. 239;
Fl. d. S. v. p. 501b. fig. — S.W. Australia.— $\frac{1}{2}$. March–
April.
- ‡ **ADENIA** Forsk.—*N. Pff.* iii. 6a. 83, *Nachtr.* 255.—Passi-
floraceæ—Passifloreæ.
Pechuelii Harms l. c.—German S.W. Africa.— $\frac{1}{4}$.
repanda Engl. l. c.—German S.W. Africa.— $\frac{1}{4}$ §. Summer.

ADENOCARPUS DC.—*N. Pff.* iii. 3. 326.—Leguminosæ—Papi-
lionatæ—Genisteæ—Spartiinæ.

anagryifolius Coss. & Bal.—*Bull. Soc. Bot. Fr.* xx. (1873),
246.—Morocco.—½.

foliolosus DC. ii. 158; *B. M.* t. 426.—Canaries.—½.

frankenioides Choisy.—DC. ii. 158.—Canaries.—½.

ADIANTUM L.—*N. Pff.* i. 4. 282.—Polypodiaceæ—Pterideæ—
Adiantinæ.

***Capillus-Veneris** L.—*Hook. Syn. Fil.* 123; *Fl. d'It.* n. 46.

—Africa, Europe, Asia, America, &c.—¼.†

cuneatum Lgsdf. & Fisch.—*Hook. Syn. Fil.* 124.—Tropical
America.—¼.

Farleyense Moore.—*Hook. Syn. Fil.* 124; *Fl. d. S.* t. 1933–4.

—Garden origin.—¼.

ÆCHMEA Rz. & Pav.—*N. Pff.* ii. 4. 47.—Bromeliaceæ—Brome-
liæ.

brasiliensis Regel.—*Bak. Brom.* 54.—Central and South
Brazil.—¼. June.

bromeliæfolia Bak. *Brom.* 67.—Trinidad.—¼.

cærulescens Bak. *Brom.* 50.—Tropical America.—¼.

distichantha Lem.—*Bak. Brom.* 54; *B. M.* t. 5447.—Para-
guay.—¼. May.

Lindenii K. Koch.—*Bak. Brom.* 61; *B. M.* t. 6565.—South
Brazil.—¼. June.

Weilbachii E. Morr.—*Bak. Brom.* 53; *B. M.* t. 6435.—
Brazil.—¼.

Ægle sepiaria DC. = *Citrus trifoliata*.

Æonium Webb & Berth. = *Sempervivum*.

† **ÆRIDES** Lour.—*N. Pff.* ii. 6. 217.—Orchidaceæ—Monandræ-
Sarcanthinæ—Ærideæ.

japonicum Rehbch. f.—*B. M.* t. 5798.—Japan.—¼. July-
October.

Æschynanthus Jack. = *Trichosporum*.

ÆTHIONEMA R. Br.—*N. Pff.* iii. 2. 165.—Cruciferæ—Sinapeæ-
Cochleariinæ.

Buxbaumii Fisch.—*Boiss. Fl. Or.* i. 353.—*A. cappadocicum*
Spreng.—Asia Minor.—¼. Spring.

† Only a few indigenous plants are enumerated here, as a *Florula Morto-
lensis* was published in 1905.

ÆTHIONEMA (*continued*).

græcum Boiss. & Sprun.—*Hal. Consp. Fl. Græc.* i. 110.—

Greece.— $\mathcal{U}$. Spring.

grandiflorum Boiss. & Hohen. — *Boiss. Fl. Or.* i. 346;

Schneider, Hdb. Laubh. i. 357.—Persia.— $\mathcal{U}$. Spring.

pulchellum Boiss. & Huet.—*Boiss. Fl. Or.* i. 346.—Asia

Minor.— $\mathcal{U}$. Spring.

saxatile DC. i. 209.—*Bickn. Pl. Riv.* t. 4; *Fl. d'It.* n. 1495.

—S. Europe.— $\odot$. Spring.

† **AGAPANTHUS** *L'Hér.*—*N. Pff.* ii. 5. 53.—Liliaceæ—Allioideæ—
Agapanthineæ.

umbellatus *L'Hér.*—*Fl. Cap.* vi. 402; *B. M.* t. 500; *Red. Lil.*

t. 4.—S. Africa.— $\mathcal{U}$. June–July.

„ **fl. albo.**

AGASYLLIS *Hoffm.*—*N. Pff.* iii. 8. 221.—Umbelliferæ—Api-
oideæ—Peucedaneæ—Angelicinæ.

caucasica *Spreng.*—*DC.* iv. 200.—Caucasus.— $\mathcal{U}$.

AGATHÆA *Cass.*—*N. Pff.* iv. 5. 167, sub *Felicia*.—Compositæ—
Astereæ—Asterinæ.

cœlestis *Cass.*—*Nich. Dict.* fig. 6.—*A. amelloides* DC. v. 225.

—*Aster capensis* Less. *Fl. Cap.* iii. 83.—*Aster rotundi-
folius* Thunb. *Ind. Kew.*—Cape.— $\frac{1}{2}$. Almost all the
year.

„ var. **monstrosa** *Hort.*

hispidula DC. iv. 224.—*Aster elongatus* Thunb. *Fl. Cap.* iii. 89.

—Cape.— $\mathcal{U}$. February–May.

AGATHIS *Salisb.*—*N. Pff.* ii. 1. 66.—Pinaceæ—Araucarieæ.

australis *Steud.*—*N. Pff.* l. c.—*Dammara australis* Lambert,

Hdb. Fl. N. Zealand, 256.—New Zealand.— $\frac{1}{2}$.

† **AGAVE** *L.*—*N. Pff.* ii. 5. 117.—Amaryllidaceæ—Agavoideæ.

albicans *Jacobi.*—*Bak. Am.* 191; *B. M.* t. 7207.—Mexico.—

$\mathcal{U}$. June.

americana *L.*—*Kunth, En.* v. 819; *Bak. Am.* 180; *Fl. d'It.*

n. 761.—Central America.— $\mathcal{U}$. July.

angustifolia *Haw.*—*Kunth, En.* v. 837; *Trel. Rept. Miss. B.*

G. (1908), 284. t. 30–35. — *A. Jacquiniana* Hook. *B. M.*

t. 5097. — *A. ixtlioides* Hook. *B. M.* t. 5893. — *A. excelsa*

Bak. Am. 182.—*A. vivipara* Wight, *Ic.* t. 2024.—*A. Wightii*

Prain.—Honduras?— $\mathcal{U}$ $\frac{1}{2}$. June–July.

AGAVE

- applanata** *Lem.*—*Bak. Am.* 173; *Rept. Miss. B. G.* 1896, t. 35.—Mexico.— $\frac{1}{4}$.
- asperima** *Jacobi.*—*Bak. Am.* 173; *Rept. Miss. B. G.* 1896, t. 53.—Mexico.— $\frac{1}{4}$.
- atrovirens** *Karw.*—*Kunth, En.* v. 834; *Bak. Am.* 174, ex parte.—Mexico.— $\frac{1}{4}$. June–July.
- attenuata** *Salm.*—*Kunth, En.* v. 838; *B. M.* t. 5333; *Bak. Am.* 193; *Gard. Chron.* 1909, i. 106, with plate.—Mexico.— $\frac{1}{2}$.
- „ var. **compacta** *Jacobi* 177.— $\frac{1}{2}$.
- aurea** *Brandegee, Pl. Baja Calif.* 207.—Lower California.— $\frac{1}{4}$. May–June.
- Bakeri* *Ross* = *Karwinskii*.
- barbadensis** *Trel.*—Spec. ined.—Barbadoes.— $\frac{1}{4}$.
- Beguini** *Hort.*—Garden origin.— $\frac{1}{4}$.
- Bergeri** *Trel.*—Spec. ined.—Mexico?— $\frac{1}{4}$. July–August.
- Bouchei** *Jacobi.*—*Bak. Am.* 191; *B. M.* t. 7558; *Gard. Chron.* 1897, i. 167.—Mexico.— $\frac{1}{2}$. May–June.
- bracteosa** *S. Wats.*—*Bak. Am.* 192.—Northern Mexico.— $\frac{1}{4}$.
- Cantala** *Roxb.*—*Kunth, En.* v. 837. — *A. vivipara* *Bak. Am.* 194, ex parte.—Mexico.— $\frac{1}{4}$. July.
- Celsii** *Hook.*—*B. M.* t. 4939; *Bak. Am.* 187.—Mexico.— $\frac{1}{4}$.
- chiapensis** *Jacobi* 225.—*Bak. Am.* 183.—Mexico.— $\frac{1}{4}$.
- chloracantha** *Salm.*—*Bak. Am.* 192.—Mexico.— $\frac{1}{4}$. May–July.
- coccinea** *Roezl.*—*Bak. Am.* 179.—Mexico.— $\frac{1}{4}$.
- cochlearis** *Jacobi, Nachtr.* ii. 151.—Mexico.— $\frac{1}{4}$.
- crenata** *Jacobi* 229.—Mexico.— $\frac{1}{4}$.
- dasyliroides** *Jacobi.*—*Bak. Am.* 185; *B. M.* t. 5716.—Guatemala, Mexico.— $\frac{1}{4}$.
- dealbata** *Jacobi* 152.—Mexico.— $\frac{1}{4}$.
- decipiens** *Bak.*—*Kew Bull.* 1892, 184; *Rept. Miss. B. G.* 1896, 93, t. 57–59.—Florida.— $\frac{1}{4}$ $\frac{1}{2}$.
- densiflora** *Hook.*—*B. M.* t. 5006; *Bak. Am.* 183.—Mexico.— $\frac{1}{4}$. June–July.
- deserti** *Eng.*—*Bak. Am.* 172; *Rept. Miss. B. G.* 1896, t. 33–4.—S. California.— $\frac{1}{4}$.
- Ellemeetiana** *C. Koch.*—*Bak. Am.* 193; *Ref. Bot.* t. 163; *B. M.* t. 7027.—Mexico.— $\frac{1}{4}$. May–June.
- elongata** *Jacobi* 108.—*Bak. Am.* 181.—Central America.— $\frac{1}{2}$. June–July.

AGAVE (*continued*).

Engelmannii *Trel.* in *Rept. Miss. B. G.* 1891, 167, t. 55-56.
—Mexico?— $\frac{1}{4}$.

excelsa Hort. Mort. = *angustifolia*.

expansa *Jacobi*, *Nachtr.* i. 151.—Mexico?— $\frac{1}{4}$.

ferox *C. Koch.*—*Bak. Am.* 176.—Mexico.— $\frac{1}{4}$. June-July.

filifera *Salm.*—*Bak. Am.* 166; *Gard. Chron.* 1897, i. 167.—
Mexico.— $\frac{1}{4}$.

„ var. **filamentosa** *Salm.*—*Bak. Am.* 166; *Ref. Bot.*
t. 164; *Bossche, Ic. Sel.* t. 144.—Mexico.— $\frac{1}{4}$.
June-July.

Franceschiana *Trel.*—*Spec. ined.*—Mexico?

Franzosini *Nissen.*—*B. M.* t. 8317.—Mexico.— $\frac{1}{4}$. July.

Friderici *Berger.*—Mexico?— $\frac{1}{4}$.

Funkiana *C. Koch.*—*Jacobi* 38.—Mexico.— $\frac{1}{4}$.

geminiflora *Gawl.*—*Kunth, En.* v. 831; *Bak. Am.* 186.—
Mexico.— $\frac{1}{4}$.

Ghiesbreghtii *C. Koch.*—*Bak. Am.* 171.—Mexico.— $\frac{1}{4}$.
July.

Gilbeyi *Hort.*—*Gard. Chron.* 1873, 1305, fig. 270; 1877,
fig. 101; *Bak. Am.* 171.—Mexico.— $\frac{1}{4}$.

glomeruliflora *Berger.*—*A. heteracantha* var. *glomeruliflora*
Engelm. Notes, 325.—Western Texas.— $\frac{1}{4}$.

Goeppertiana *Jacobi.*—*Bak. Am.* 188.—Mexico.— $\frac{1}{4}$. June.
grandidentata *Jacobi* 207.—Mexico?— $\frac{1}{4}$.

Hanburyi *Bak.* in *Kew Bull.* (1892) 3.—Mexico.— $\frac{1}{4}$.

Haseloffii *Jacobi* 244; *B. M.* t. 7527.—Mexico.— $\frac{1}{2}$. June.

Haynaldi *Tod. H. B. Pan.* 88. t. 24; *Bak. Am.* 170.—
Mexico?— $\frac{1}{4}$. November-March.

Henriquesii *Bak. Am.* 170.—Mexico.— $\frac{1}{4}$. June-July.

heteracantha *Zucc.*—*Kunth, En.* v. 856; *Bak. Am.* 168.—
Mexico.— $\frac{1}{4}$.

horizontalis *Jacobi.*—*Bak. Am.* 188.—Mexico.— $\frac{1}{4}$.

horrida *Lem.*—*Bak. Am.* 171, ex parte.—Mexico.— $\frac{1}{4}$.

ingens *Berger.*—*A. Milleri Hort.*?—Mexico.— $\frac{1}{4}$.

„ var. **picta** *Salm* in *Bonplandia*, vii. 88.—Mexico.—
 $\frac{1}{4}$. July.

Karwinskii *Zucc.*—*Kunth, En.* v. 837; *Bak. Am.* 181;
Rept. Miss. B. G. 1907, 252, t. 29-31.—*A. Corderoyi*
De Smet.—*A. Bakeri* *Ross, Ic. & Descr. Pan.* t. 2.—Mexico.
— $\frac{1}{4}$ $\frac{1}{2}$.

Kerchovei *Lem.*—*Bak. Am.* 169.—Mexico.— $\frac{1}{4}$.

AGAVE

- Knightsiana** *Drummond* in *B. M.* sub t. 8271.—*A. geminiflora* Auct.—Mexico.— $\mathcal{U}$.
- Kochii** *Jacobi* 46 and 211.—Mexico.— $\mathcal{U}$. June.
- latissima** *Jacobi* 49.—*A. macroculmis* Tod. *H. B. Pan.* ii. 51. t. 37.—*A. coccinea* Hort.—Mexico.— $\mathcal{U}$.
- Legrelliana** *Jacobi* 253.—Cuba.— $\mathcal{U}$.
- lophantha** *Schiede*.—*Kunth, En.* v. 838; *Bak. Am.* 167.—Mexico, &c.— $\mathcal{U}$. July.
- „ var. **cærulescens** *Salm.*—*Bak. Am.* 167.—Mexico.— $\mathcal{U}$. July.
- lurida** *Ait.*—*Kew Bull.* 1910, 344–349.—*A. mexicana* Hort.—Mexico.— $\mathcal{U}$. July.
- macroacantha** *Zucc.*—*Kunth, En.* v. 834; *Bak. Am.* 177; *B. M.* t. 5940; *Rept. Miss. B. G.* 1907, 247. t. 18–28.—Mexico.— $\mathcal{U}$.
- „ var. **planifolia** *Berger.*—Mexico.— $\mathcal{U}$.
- maculata** *Regel.*—*Bak. Am.* 196; *B. M.* t. 5122; *Rept. Miss. B. G.* 1896, t. 28.—Texas, Northern Mexico.— $\mathcal{U}$. June.
- massiliensis** *Hort.*—Garden origin.— $\mathcal{U}$.
- mexicana* Hort. = *lurida*.
- micracantha** *Salm.*—*Bak. Am.* 191; *Ref. Bot.* t. 327.—Mexico.— $\mathcal{U}$. July.
- miradorensis** *Jacobi.*—*Bak. Am.* 182.—Mexico.— $\mathcal{U}$.
- mitræformis** *Jacobi, Nachtr.* i. 145.—Mexico.— $\mathcal{U}$.
- Morrisii** *Bak. Am.* 184.—Jamaica.— $\mathcal{U}$.
- mortolensis** *Berger.*—Garden origin.— $\mathcal{U}$.
- multiflora** *Tod. H. B. Pan.* ii. 47. t. 35.—Mexico.— $\mathcal{U}$.
- neglecta** *Small.*— $\mathcal{U}$.
- oblongata** *Jacobi, Nachtr.* i. 155; *Bak. Am.* 189.—Mexico.— $\mathcal{U}$.
- Ousselghemiana** *Jacobi, Nachtr.* i. 156.—Mexico.— $\mathcal{U}$.
- Palmeri** *Engelm.*—*Bak. Am.* 178; *Rept. Miss. B. G.* 1896, t. 48–52.—S. Arizona.— $\mathcal{U}$.
- parrasana** *Berger* in *Notizblatt Berlin. Bot. Gart.* 1906, 250.—Mexico.— $\mathcal{U}$.
- Parryi** *Engelm.*—*Bak. Am.* 175; *Rept. Miss. B. G.* 1896, 83. t. 42–43.—Arizona, New Mexico.— $\mathcal{U}$.
- paucifolia** *Tod. H. B. Pan.* i. 77. t. 19.—Mexico.— $\mathcal{U}$. June.
- picta* *Salm* = *ingens*.
- polyacantha** *Hav.*—*Bak. Am.* 183, ex parte.—Mexico.— $\mathcal{U}$. June.
- portoricensis** *Trel.*—*Sp. ined.*—Porto Rico.— $\mathcal{U}$.

AGAVE (*continued*).

- Pringlei** Hort. Mort. (not Engelm.!).—Garden origin.— μ .
June–July.
- pumila** De Smet.—Bak. Am. 172.—Mexico.— μ .
- Reginæ** Hort.—Mexico?— μ .
- rigida** Auct. = *elongata*.
- rigidissima** Jacobi, Nachtr. ii. 150.—Mexico.— μ . July.
- Rœzliana** Bak. Am. 169.—Mexico.— μ .
- Rovelliana** Tod.—Ind. Sem. Hort. Bot. Pan.—Mexico?— μ .
- rubescens** Salm.—Kunth, En. v. 835; Bak. Am. 194; Rept. Miss. B. G. 1907, 254. t. 31–34.—Mexico.— μ .
- rupicola** Regel.—Bak. Am. 190.—Mexico.— μ . June–July.
- Salmiana** Otto.—Bak. Am. 174.—Mexico.— μ . June–August.
- Sartorii** C. Koch.—B. M. t. 6292; Bak. Am. 189.—*A. cæspitosa* Tod. H. B. Pan. i. 32. t. 8.—Mexico, Guatemala.— μ .
- scabra** Salm in Bonplandia, vii. 89.—*A. Wislizeni* Engelm.—Bak. Am. 175.—Northern Mexico.— μ .
- schidigera** Lem.—Bak. Am. 166; B. M. t. 5641.—Mexico.— μ . June.
- Schlechtendalii** Jacobi 54.—Mexico.— μ .
- Schottii** Engelm.—Bak. Am. 166; B. M. t. 7567; Rept. Miss. B. G. 1896, t. 29.—Southern Arizona.— μ .
- Scolymus** Karw.—Kunth, En. v. 824; Bak. Am. 176.—Mexico.— μ .
- Shawii** Engelm.—Bak. Am. 172; Rept. Miss. B. G. 1896, t. 44–47.—California.— μ .
- sisalana** Perrine.—Drum. & Prain, Notes on Ag. Furcr. Ind. 89; Bak. Am. 181.—Yucatan.— μ . July.
- sobolifera** Salm.—Bak. Am. 194.—W. Indies.— μ .
- spectabilis** Tod. H. B. Pan. ii. t. 25; Bak. Am. 174.—Mexico.— μ .
- spiralis** Brandegee.—California.— μ .
- striata** Zucc.—Kunth, En. v. 832; B. M. t. 4950; Bak. Am. 184.—Mexico.— μ . July.
- „ var. **recurva** Bak. Am. 184.—Kunth, En. v. 832.—Mexico.— μ . June–July.
- stricta** Salm in Bonplandia, vii. 94.—*A. Hystrix* Hort.—Mexico.— μ . June–July.
- tequilana** Web. in Bull. Mus. Par. 1902, 218.—Mexico.— μ .
- Terraccianoi** Pax.—Kew Bull. 1894, App. 28.—Mexico?— μ .
- uncinata** Jacobi 104.—Mexico.— μ .

AGAVE

univittata Haw.—*Kunth, En.* v. 835; *Bak. Am.* 167; *B. M.* t. 6655; *Ref. Bot.* t. 215.—Mexico.— $\mathcal{U}$.

utahensis Engelm.—*Bak. Am.* 177; *Rept. Miss. B. G.* 1896, t. 32.—Utah, Arizona.— $\mathcal{U}$.

variegata Jacobi.—*Bak. Am.* 196; *Ref. Bot.* t. 326.—Northern Mexico.— $\mathcal{U}$. June.

Verschaffeltii Lem.—*Bak. Am.* 177; *Ref. Bot.* t. 306.—Mexico.— $\mathcal{U}$.

Victoriæ-Reginæ T. Moore.—*Bak. Am.* 169.—Mexico.— $\mathcal{U}$. June.

„ var. **laxior** Berger.—Mexico.— $\mathcal{U}$.

Villarum Hort.—*Nich. Dict. Suppl.* 28.—Garden origin.— $\mathcal{U}$.

virginica L.—*Kunth, En.* v. 833; *Bak. Am.* 197; *B. M.* t. 1157; *Rept. Miss. B. G.* 1896, t. 26-27.—Southern United States.— $\mathcal{U}$.

vivipara Bak. = *Cantala*.

Weberi Cels.—*Bull. Mus. Par.* 1901, 230.—Mexico.— $\mathcal{U}$.

Wercklei Web.—*Monatsschrft. f. K.* 1907, 72 and 122.—Costa Rica.— $\mathcal{U}$ $\frac{1}{2}$.

Willdingii Tod. H. B. Pan. ii. t. 32; *Bak. Am.* 187.—Mexico?, Cuba?— $\mathcal{U}$.

Wislizeni Engelm. = *scabra*.

xalapensis Roezl.—*Jacobi* 72 and *Nachtr.* i. 155.—Mexico.— $\mathcal{U}$.

zylonacantha Salm.—*Bak. Am.* 168; *B. M.* t. 5660.—Mexico.— $\mathcal{U}$. July.

„ var. **mediopieta** Hort.— $\mathcal{U}$.

„ var. **Vanderdonckii** Bak. in *Gard. Chron.* 1877, i. 527.— $\mathcal{U}$.

yuccæfolia Salm.—*Kunth, En.* v. 830; *Bak. Am.* 195; *B. M.* t. 5213; *Red. Lil.* t. 328-9.—Mexico.— $\mathcal{U}$. June-July.

zapupe Trel. in *Trans. Ac. Sci. St. Louis*, xviii. (1909) 32.—Mexico.— $\mathcal{U}$.

AGERATUM L.—*N. Pff.* iv. 5. 137.—Compositæ-Eupatoriæ-Piquerinæ.

mexicanum Sims in *B. M.* t. 2524; *DC.* v. 108.—Mexico.— $\mathcal{U}$. All the year.

AGONIS DC.—*N. Pff.* iii. 7. 94.—Myrtaceæ-Leptospermoideæ-Leptosperminæ.

flexuosa Schau.—*DC.* iii. 226, sub *Leptospermum*.—*Fl. Austr.* iii. 99.—W. Australia.— $\frac{1}{2}$. July.

AILANTHUS Desf. — *N. Pff.* iii. 4. 223. — Simarubaceæ—Simaruboidæ—Ailanthinæ.

glandulosa Desf.—*DC.* ii. 89; *Fl. d'It.* n. 2532; *Schneider, Hdb. Laubh.* ii. 130.—China.—½. June–July.

AJUGA L.—*N. Pff.* iv. 3a. 209.—Labiatae—Ajugoideæ—Ajugeæ.

orientalis L.—*DC.* xii. 596; *Fl. d'It.* n. 3065.—Mediterranean region.—¼. March–April.

reptans L.—*DC.* xii. 595; *Fl. d'It.* n. 3064.—Europe, Asia.—¼. March–April.

† **AKEBIA** Decne.—*N. Pff.* iii. 2. 60.—Lardizabalaceæ.

lobata Decne.—*Sieb. & Zucc. Fl. Jap.* t. 78; *B. M.* t. 7485.—China, Japan.—½ §. March–May.

quinata Decne.—*Sieb. & Zucc. Fl. Jap.* t. 77; *B. M.* t. 4864; *Fl. d. S.* t. 1000.—China, Japan.—½ §. March–May.

ALANGIUM Lam.—*R. V. C.* iv. 220 b. 20.—Alangiaceæ.

begoniifolium Baill.—*Wangerin, R. V. C., l.c.*—*Marlea begoniifolia* Roxb. — *DC.* iv. 267; *Fl. Brit. Ind.* ii. 743.—Africa to Japan.—½.

† **ALBERTA** E. Mey.—*N. Pff.* iv. 4. 89.—Rubiaceæ—Coffeoidæ—Guettardinæ—Alberteæ.

magna E. Mey.—*Harv. Thes. Cap.* i. t. 45; *Fl. Cap.* iii. 16; *B. M.* t. 7454; *Gard. Chron.* 1897, ii. 416.—Natal.—½.

ALBIZZIA Dur.—*N. Pff.* iii. 3. 106.—Leguminosæ—Mimosoidæ—Ingeæ.

fastigiata E. Mey.—*Fl. Trop. Afr.* ii. 361; *Wood, Natal Pl.* t. 27.—Tropical Africa, Natal.—½.

Julibrissin Boiv.—*DC.* ii. 469; *Fl. Trop. Afr.* ii. 356; *Fl. Brit. Ind.* ii. 300; *Fl. d'It.* n. 1857.—Tropical and subtropical Asia and Africa.—½. June.

lophantha Benth.—*Fl. Austr.* ii. 421.—*B. M.* t. 2108.—S. W. Australia.—½. All the year.

moluccana Miq. *Fl. Ind. Bat.* i. 26.—Molucca Islands.—½.

stipulata Boiv.—*Fl. Brit. Ind.* ii. 300.—*DC.* ii. 469.—Tropical and subtropical Asia.—½. July–September.

ALBUCA L.—*N. Pff.* ii. 5. 65.—Liliaceæ—Lilioideæ—Scilleæ.

major L.—*Kunth, En.* iv. 374; *Fl. Cap.* vi. 454; *B. M.* t. 804; *Red. Lil.* t. 69.—S. Africa.—¼. June.

minor L.—*Kunth, En.* iv. 374; *Fl. Cap.* vi. 454; *B. M.* t. 720; *Red. Lil.* t. 21; *Ref. Bot.* t. 239.—S. Africa.—¼. June.

ALBUCA (*continued*).

tenuifolia Bak. in *Ref. Bot.* t. 335; *Fl. Cap.* vi. 461.—S. Africa.— $\frac{1}{2}$. March–April.

ALLIUM L.—N. Pff. ii. 5. 55.—Liliaceæ–Allioideæ–Alliæ.

Chamæmoly L.—*Kunth, En.* iv. 442; *B. M.* t. 1203; *Red. Lil.* t. 325; *Bickn. Pl. Riv.* t. 77; *Fl. d'It.* n. 707.—Mediterranean region.— $\frac{1}{2}$. March–April.

hymenorrhizum Ledeb.—*Kunth, En.* iv. 429.—Turkestan, Persia.— $\frac{1}{2}$. March–April.

polyphyllum Kar. & Kir.—*Kunth, En.* iv. 685.—Turkestan, N. China.— $\frac{1}{2}$. March–April.

Schuberti Zucc.—*B. M.* t. 5787–8.—Orient.— $\frac{1}{2}$. March–Apr.

senescens L.—*Kunth, En.* iv. 421; *B. M.* t. 1150.—Europe, Siberia.— $\frac{1}{2}$. March–April.

strictum Schrad.—*Kunth, En.* iv. 419; *Fl. d'It.* n. 704.—Europe, Orient.— $\frac{1}{2}$. March.

subhirsutum L.—*Kunth, En.* iv. 440; *Lodd. B. C.* t. 943; *Fl. d'It.* n. 708.—S. Europe.— $\frac{1}{2}$. April–May.

† **ALOE** L.—N. Pff. ii. 5. 44.—Liliaceæ–Asphodeloideæ–Aloineæ.

abyssinica Lam.—*Berger, Aloineæ* (in *R. V. C.* iv. 38. 3³) 237. fig. 87.—*DC. Pl. Gr.* t. 27.—*B. M.* t. 6620.—*Tod. H. B. Pan.* t. 29.—Abyssinia, Eritrea.— $\frac{1}{2}$. February–April.

abyssinica $\times$ **striata**.—*Berger, Al. (R. V. C.)*, 197.—Garden origin.— $\frac{1}{2}$. March–April.

æthiopica *Berger, Al. (R. V. C.)*, 243.—*A. Schweinfurthii* Hort. Mort. *B. M.* t. 7667.—Abyssinia.— $\frac{1}{2}$. Dec.–March.

Andrea Hort. Del.—*Berger, Al. (R. V. C.)*, 317.—Garden origin.— $\frac{1}{2}$. April.

arborescens Mill. var. **Milleri** *Berger, Al. (R. V. C.)*, 288.—Cape.— $\frac{1}{2}$. November–December.

„ var. **frutescens** Link.—*Berger, Al. (R. V. C.)*, 293.—S. Africa.— $\frac{1}{2}$. February–March.

„ var. **natalensis** *Berger, Al. (R. V. C.)*, 290.—Natal.— $\frac{1}{2}$. December–February.

„ var. **pachythyrsa** *Berger, Al. (R. V. C.)*, 292.—S. Africa.— $\frac{1}{2}$. December–March.

„ var. **Ucriæ** *Berger, Al. (R. V. C.)*, 288.—S. Africa.— $\frac{1}{2}$. January–February.

„ var. **viridifolia** *Berger, Al. (R. V. C.)*, 290.—S. Africa.— $\frac{1}{2}$. February–March.

ALOE (*continued*).

aristata Haw.—Berger, *Al. (R. V. C.)*, 176.—S. Africa.— γ .
May–June.

aurantiaca Bak. = *striatula*.

Bainesii Dyer.—Berger, *Al. (R. V. C.)*, 319; *B. M. t.* 6848.—
Natal.— γ .

bamangwatensis Schoenland.—Berger, *Al. (R. V. C.)*, 208.
—Tropical South Africa.— γ . Summer.

Baumii Engl. & Gilg = *zebrina*.

Beguini Hort.—Berger, *Al. (R. V. C.)*, 177.—Garden origin.
— γ .

„ var. *perfection* Hort. = *perfection*.

Bortiana Terr. fl.—Berger, *Al. (R. V. C.)*, 197.—Garden
origin.— γ . April–May.

Boylei Bak.—Berger, *Al. (R. V. C.)*, 170.—S. E. Africa.— γ .
July.

brevifolia Mill.—Berger, *Al. (R. V. C.)*, 185; *DC. Pl. Gr. t.* 81.
—S. Africa.— γ . June–July.

„ var. **depressa** Bak.—Berger, *Al. (R. V. C.)*, 186.
—S. Africa.— γ . May–June.

„ var. **postgenita** Bak.—Berger, *Al. (R. V. C.)*, 185.
—S. Africa.— γ . May–June.

„ var. **Serra** Berger, *Al. (R. V. C.)*, 186.—S. Africa.
 γ . May–June.

Buchanani Bak.—Berger, *Al. (R. V. C.)*, 167.—Nyassa
Land.— γ . February.

cæsia Salm.—Berger, *Al. (R. V. C.)*, 299.—S. Africa.— γ .
Spring–summer.

Cameronii Hemsl. in *B. M. t.* 7915; Berger, *Al. (R. V. C.)*,
263.—Tropical Africa.— γ . April.

campylosiphon Berger = *lateritia*.

capitata Bak.—Berger, *Al. (R. V. C.)*, 254.—*Tod. H. B. Pan.*
t. 36.—Madagascar.— γ . May.

ciliaris Haw.—Berger, *Al. (R. V. C.)*, 255.—S. E. Africa.—
 γ §. January–March.

ciliaris $\times$ **variegata**.—Garden origin.— γ .

commutata *Tod. H. B. Pan. i.* 75. *t.* 18; Berger, *Al.*
(R. V. C.), 214.—S. Africa.— γ . May.

Cooperi Bak.—Berger, *Al. (R. V. C.)*, 167; *B. M. t.* 6377.—
S. Africa.— γ . May.

Corderoyi Berger, *Al. (R. V. C.)*, 324.—Garden origin.— γ .
April.

ALOE

- cyanea** Hort.—Berger, *Al. (R. V. C.)*, 183.—Garden origin.—
 24. March–April.
- Davyana** Schoenland.—Berger, *Al. (R. V. C.)*, 211.—Trans-
 vaal.—24. March.
- Dawei** Berger, *Al. (R. V. C.)*, 251.—Uganda.—12.
- De Laetii** Hort.—Berger, *Al. (R. V. C.)*, 324.—Garden
 origin.—24 12. June.
- dichotoma** L. fil.—Berger, *Al. (R. V. C.)*, 317.—S. W. Africa.
 —12.
- distans** Haw.—Berger, *Al. (R. V. C.)*, 274; *B. M. t.* 1362.—
 Cape.—12. June–July.
- Dorotheæ** Berger, *Al. (R. V. C.)*, 263.—Tropical E. Africa.
 —12. March.
- echinata* Willd. = *humilis*.
- Ecklonis** Salm.—Berger, *Al. (R. V. C.)*, 168.—S. E. Africa.—24.
- elegans* Tod. = *abyssinica*.
- Engleri** Berger, *Al. (R. V. C.)*, 252.—Tropical E. Africa.—12.
- eru** Berger, *Al. (R. V. C.)*, 249.—Eritrea, Nubia.—12. May.
- „ var. **cornuta** Berger, *Al.*, l. c. 250.—Abyssinia?—12. May.
- ferox** Mill.—Berger, *Al. (R. V. C.)*, 310; *B. M. t.* 1975.—
 Natal.—12. March.
- „ var. **xanthostachys** Berger, *Al.*, l. c.—12. March.
- Georgetti** Hort.—Garden origin.—24 12.
- gigantea** Hort. Del.—Berger, *Al. (R. V. C.)*, 317.—Garden
 origin.—24 12. April.
- glauca** Mill.—Berger, *Al. (R. V. C.)*, 188.—S. Africa.—12.
 February.
- grandidentata** Salm.—Berger, *Al. (R. V. C.)*, 215.—S. Africa.
 —24. May.
- Greatheadii** Schoenland.—Berger, *Al. (R. V. C.)*, 212.—
A. pallidiflora Berger, *B. M. t.* 8122.—S. Africa.—24.
 March–April.
- Greenii** Bak.—Berger, *Al. (R. V. C.)*, 210; *B. M. t.* 6520.—
 S. Africa.—24. September–October.
- hæmanthifolia** Marloth et Berger, *Al. (R. V. C.)*, 173.—
 Cape.—24.
- Hanburyana* Naudin = *striata*.
- hereroensis** Engl.—Berger, *Al. (R. V. C.)*, 204.—S. W.
 Africa.—24.
- heteracantha** Bak.—Berger, *Al. (R. V. C.)*, 217; *B. M. t.*
 6863.—Garden origin.—24. May.

ALOE (*continued*).

Hildebrandtii Bak.—Berger, *Al. (R. V. C.)*, 267; *B. M. t.* 6981.—Tropical E. Africa.— $\frac{1}{2}$.

humilis Mill.—Berger, *Al. (R. V. C.)*, 180; *DC. Pl. Gr. t.* 39.—S. Africa.— $\frac{1}{4}$. April–May.

„ var. **echinata** Willd.—Berger, *Al., l. c.* 182.— $\frac{1}{4}$. April.

„ var. **incurva** Haw.—Berger, *Al., l. c.* 182; *B. M. t.* 828.—S. Africa.— $\frac{1}{4}$. April.

imbricata Hort.—Berger, *Al. (R. V. C.)*, 192.—Garden origin.— $\frac{1}{4}$.

insignis N. E. Br.—Berger, *Al. (R. V. C.)*, 183.—Garden origin.— $\frac{1}{4}$.

lætecoccinea Berger, *Al. (R. V. C.)*, 184.—Garden origin.— $\frac{1}{4}$ $\frac{1}{2}$. February–March.

Lanzæ Tod. = *vera*.

Lapaixii Radl.—Berger, *Al. (R. V. C.)*, 178.—Garden origin.— $\frac{1}{4}$. May.

lateritia Engl.—Berger, *Al. (R. V. C.)*, 199.—*A. campylosiphon* Berger, *B. M. t.* 8134.—German E. Africa.— $\frac{1}{4}$. July.

latifolia Haw.—Berger, *Al. (R. V. C.)*, 204.—S. Africa.— $\frac{1}{4}$. May.

laxiflora N. E. Br.—Berger, *Al. (R. V. C.)*, 255.—S. Africa.— $\frac{1}{2}$ §.

longiflora Bak.—Berger, *Al. (R. V. C.)*, 299.—S. Africa.— $\frac{1}{2}$. November–January.

luteobrunnea Berger, *Al. (R. V. C.)*, 315; *Bossche, Ic. Sel. t.* 40.—Garden origin?— $\frac{1}{2}$. April.

macrocarpa Tod. *H. B. Pan. i.* 36. *t.* 9; Berger, *Al. (R. V. C.)*, 209.—Eritrea.— $\frac{1}{4}$. May.

Marlothii Berger, *Al. (R. V. C.)*, 312.—S. Africa.— $\frac{1}{2}$.

mitis Berger, *Al. (R. V. C.)*, 226.—Somali Land?— $\frac{1}{4}$. Summer.

mitriformis Mill.—Berger, *Al. (R. V. C.)*, 276; *DC. Pl. Gr. t.* 99; *B. M. t.* 1270.—S. Africa.— $\frac{1}{2}$. June.

„ var. **spinulosa** Bak.—Berger, *Al., l. c.* 277.—S. Africa.— $\frac{1}{2}$.

mortolensis Berger, *Al. (R. V. C.)*, 191.—Garden origin.— $\frac{1}{4}$. May–June.

myriacantha Roem. & Schult.—Berger, *Al. (R. V. C.)*, 166. S. Africa.— $\frac{1}{4}$.

nobilis Haw.—Berger, *Al. (R. V. C.)*, 278.—S. Africa.— $\frac{1}{2}$. June.

ALOE

pallidiflora Berger = *Greatheadii*.

Peacockii Berger = *abyssinica*.

Pegleræ Schoenland.—Berger, *Al. (R. V. C.)*, 174.—Transvaal.— $\frac{1}{2}$.

pendens Forsk.—Berger, *Al. (R. V. C.)*, 272; *B. M. t.* 7837.—S. Arabia.— $\frac{1}{2}$. February–March.

percrassa Tod. *H. B. Pan.* i. 81. t. 21; Berger, *Al. (R. V. C.)*.—220.—Eritrea, Abyssinia.— $\frac{1}{2}$. May–June.

perfectior Berger, *Al. (R. V. C.)*, 177.—Garden origin.— $\frac{1}{2}$. December.

Perryi Bak.—Berger, *Al. (R. V. C.)*, 246; *B. M. t.* 6596.—Socotra.— $\frac{1}{2}$.

plicatilis Mill.—Berger, *Al. (R. V. C.)*, 332; *B. M. t.* 457; *DC. Pl. Gr.* t. 75; *Jacq. H. Sch.* t. 423.—S. Africa.— $\frac{1}{2}$. April–June.

pluridens Haw.—Berger, *Al. (R. V. C.)*, 294.—S. Africa.— $\frac{1}{2}$. February–March.

pratensis Bak.—Berger, *Al. (R. V. C.)*, 187; *B. M. t.* 6705.—S. Africa.— $\frac{1}{2}$. April–May.

prorumpens Berger, *Al. (R. V. C.)*, 177.—Garden origin.— $\frac{1}{2}$. April.

pseudopicta Berger, *Al. (R. V. C.)*, 213.—Garden origin.— $\frac{1}{2}$. May.

pungens Berger, *Al. (R. V. C.)*, 253.—German E. Africa.— $\frac{1}{2}$ $\frac{1}{2}$. April–June.

purpurascens Haw.—Berger, *Al. (R. V. C.)*, 284.—S. Africa.— $\frac{1}{2}$ $\frac{1}{2}$. April–June.

Quehlii Radl.—Berger, *Al. (R. V. C.)*, 178.—Garden origin.— $\frac{1}{2}$. May.

Rebutii Hort.—Berger, *Al. (R. V. C.)*, 191.—Garden origin.— $\frac{1}{2}$. April.

rubrolutea Schinz.—Berger, *Al. (R. V. C.)*, 221; *B. M. t.* 8263.—Tropical S. W. Africa.— $\frac{1}{2}$. November.

rubroviolacea Schweinfurth.—Berger, *Al. (R. V. C.)*, 296; *B. M. t.* 7882.—S. Arabia.— $\frac{1}{2}$. March–April.

rubroviolacea $\times$ **supralævis** Berger, *Al. (R. V. C.)*, 298.—Garden origin.— $\frac{1}{2}$. March–April.

runcinata Berger, *Al. (R. V. C.)*, 205.—S. Africa.— $\frac{1}{2}$. May–June.

ALOE (*continued*).

Salmdyckiana Schult. *fil.*—Berger, *Al.* (*R. V. C.*), 301.—
S. Africa.—½. March–April.

„ var. **fulgens** Berger, *Al.*, l. c. 302.—S. Africa.—
½. March–April.

saponaria Haw.—Berger, *Al.* (*R. V. C.*), 201; *B. M.* t. 1416.
—S. Africa.—¼. May–June.

Schimperi Tod. *H. B. Pan.* i. 70. t. 16; Berger, *Al.* (*R. V. C.*),
196.—Garden origin.—¼. April.

Schweinfurthii Hort. Mort. = *æthiopica*.

smaragdina Hort.—Berger, *Al.* (*R. V. C.*), 190.—Garden
origin.—¼. May–June.

somaliensis C. Wright.—Berger, *Al.* (*R. V. C.*), 236.—
Somali Land.—¼. March–April.

speciosa Bak.—Berger, *Al.* (*R. V. C.*), 299.—S. Africa.—½.

speciosa Hort.—Berger, *Al.* (*R. V. C.*), 281.—Garden origin.
—¼. April–May.

spinosissima Hort.—Berger, *Al.* (*R. V. C.*), 183.—Garden
origin.—¼. March–April.

spuria Berger, *Al.* (*R. V. C.*), 214.—Garden origin?—¼.
June.

stans Berger, *Al.* (*R. V. C.*), 279.—S. Africa.—½. May.

Steudneri Schweinfurth.—Berger, *Al.* (*R. V. C.*), 287.—
Eritrea, Abyssinia.—¼. May.

striata Haw.—Berger, *Al.* (*R. V. C.*), 195.—*A. Hanburyana*
Naudin.—S. Africa.—¼. April–May.

striatula Haw.—Berger, *Al.* (*R. V. C.*), 258.—S. Africa.—½.
May–June.

succotrina Lam.—Berger, *Al.* (*R. V. C.*), 282; *DC. Pl. Gr.*
t. 85; *B. M.* t. 472.—Cape.—½. November.

„ var. **saxigena** Berger, *Al.* (*R. V. C.*), 283.—
Cape.—½. November.

supralævis Haw.—Berger, *Al.* (*R. V. C.*), 308.—S. Africa.—
½. March–April.

„ var. **erythrocarpa** Berger, l. c. 309.—½. March–
April.

tenuior Haw.—Berger, *Al.* (*R. V. C.*), 257.—S. Africa.—½ §.

Thraskii Bak.—Berger, *Al.* (*R. V. C.*), 315.—S. E. Africa.—
½.

tricolor Bak. = *commutata*.

variegata L.—Berger, *Al.* (*R. V. C.*), 188; *B. M.* t. 513;
DC. Pl. Gr. t. 21.—S. Africa.—¼.

ALOE

variegata × **striata**.—Garden origin.—4.

Varvari *A. Borzi*.—*Berger, Al. (R. V. C.)*, 305.—Garden origin.—½.

vera *L.*—*Berger, Al. (R. V. C.)*, 228; *Fl. d'It.* n. 726.—Canaries, Cape Verde Isles, southern Mediterranean region.—½. December–June.

„ var. **Lanzæ** *Berger, Al. (R. V. C.)*, 230.—*H. B. Pan.* t. 39.—4 ½. June.

virens *Haw.*—*Berger, Al. (R. V. C.)*, 179; *B. M.* t. 1355.—S. Africa.—4. Early summer.

Winteri *Berger, Al. (R. V. C.)*, 305.—Garden origin.—½. December–February.

zebrina *Bak.*—*Berger, Al. (R. V. C.)*, 207.—*B. M.* t. 7948.—Tropical S. Africa.—4. August–April.

ALONSOA *Rz. & Pav.*—*N. Pff.* iv. 3b. 53.—Scrophulariaceæ—Antirrhinoideæ—Hemimerideæ.

acutifolia *Rz. & Pav.*—*DC.* x. 250.—Peru.—4. October–June.

caulialata *Rz. & Pav.*—*DC.* x. 250.—Caracas, Mexico.—4. October–June.

incisifolia *Rz. & Pav.*—*DC.* x. 250; *B. M.* t. 417.—Chili—4. October–June.

linearis *Rz. & Pav.*—*DC.* x. 250.—Peru.—4. October–June.

Aloysia *Ort. & Pall.* = *Lippia*.

ALPINIA *L.*—*N. Pff.* ii. 6. 23.—Zingiberaceæ—Zingibereæ.

cærulea *Benth.*—*Fl. Austr.* vi. 265; *Schum. (R. V. C.* iv. 46), 346.—N. S. Wales.—4.

calcarata *Rosc.*—*Schum. (R. V. C.)*, 338.—*B. M.* t. 1900; *Wright, Ic.* t. 2028.—India, China.—4.

nutans *Roxb.*—*Schum. (R. V. C.)*, 339.—*B. M.* t. 1903; *Fl. d. S.* t. 2339; *Fl. Brit. Ind.* vi. 256.—Tropical Asia.—4. July–August.

ALSOPHILA *R. Br.*—*N. Pff.* i. 4. 132.—Cyatheaceæ—Cyatheæ.

australis *R. Br.*—*Hook. Syn. Fil.* 40.—Tasmania, Australia.—½.

ALSTRÆMERIA *L.*—*N. Pff.* ii. 5. 119.—Amaryllidaceæ—Hyxoxidoideæ—Alstræmeriaceæ.

aurantiaca *D. Don.*—*Bak. Am.* 141; *B. M.* t. 3350.—Chili.—4. May.

Ligtu *L.*—*Bak. Am.* 139; *B. M.* t. 125.—Chili.—4. May.

ALSTROEMERIA (*continued*).

pelegrina L.—*Bak. Am.* 140; *B. M.* t. 139; *Red. Lil.* t. 46.—Peru, Chili.— γ . May.

pulchella L.—*Bak. Am.* 136; *B. M.* t. 3033.—N. Brazil.— γ . May.

ALTHÆA L.—*N. Pff.* iii. 6. 40.—Malvaceæ—Malveæ—Malvinæ.

cannabina L.—*DC.* i. 436; *Fl. d'It.* n. 2537.—Europe, Orient.— γ . June–August.

ficifolia Cav.—*DC.* i. 437; *B. M.* t. 7237.—S. Europe, Orient.— $\oplus$. June–August.

narbonensis Pourr.—*DC.* i. 436.—S. France, Spain.— γ . June–August.

officinalis L.—*DC.* i. 436; *Fl. d'It.* n. 2538.—Europe, Orient.— γ . June–August.

pallida Walldst. & Kit.—*DC.* i. 437; *Fl. d'It.* n. 2540.—S. E. Europe.— γ . June–August.

rosea Cav.—*DC.* i. 437; *B. M.* t. 3198; *Fl. d'It.* n. 2539.—Orient.— γ . June–July.

sulphurea Boiss. & Hohen.—*Boiss. Fl. Or.* i. 827, sub *Alcea*.—Orient.— γ .

ALYSSUM *DC.*—*N. Pff.* iii. 2. 194.—Cruciferæ—Hesperideæ—Alyssinæ.

alpestre L.—*DC.* i. 161; *Fl. d'It.* n. 1442.—S. Europe.— γ . April–June.

argenteum Vitm.—*DC.* i. 160; *Fl. d'It.* n. 1439.—N. Italy.— γ . April–June.

creticum L.—*DC.* i. 159; *Hal. Consp. Fl. Græc.* i. 89.—Crete.— γ . April–June.

gemonense L.—*DC.* i. 160.—Europe.— γ . April–June.

leucadeum Guss.—*Fl. d'It.* sub n. 1438.—Italy.— γ . April–June.

montanum L.—*DC.* i. 162; *B. M.* t. 419; *Bickn. Pl. Riv.* t. 16; *Fl. d'It.* n. 1443.—Europe, Orient.— γ . April–June.

saxatile L.—*DC.* i. 160; *B. M.* t. 159; *Fl. d'It.* n. 1438.— γ . April–May.

spinsum L.—*DC.* i. 164; *Gard. Chron.* 1903, ii. 42.—Spain, S. France, Algeria.— γ . April–May.

ALYXIA *R. Br.*—*N. Pff.* iv. 2. 151.—Apocynaceæ—Plumieroidæ—Plumiereæ.

buxifolia *R. Br.*—*DC.* viii. 348; *Fl. Austr.* iv. 307.—N. S. Wales, Victoria.— $\frac{1}{2}$.

AMARANTUS *L.*—*N. Pff.* iii. 1a. 102.—Amarantaceæ—Amarantoideæ—Amarantinaæ.

caudatus *L.*—*DC.* xiii. 2. 255; *Fl. Brit. Ind.* iv. 719.—India and other tropical countries.—☉. Summer.

AMARYLLIS *L.*—*N. Pff.* ii. 5. 106.—Amaryllidaceæ—Amaryllideæ.

Belladonna *L.*—*Kunth, En.* v. 601; *Bak. Am.* 95; *B. M.* t. 733.—S. Africa.—☿. September.

AMBROSINIA *L.*—*N. Pff.* ii. 3. 151.—Araceæ—Aroideæ—Areæ.

Bassii *L.*—*Fl. d'It.* n. 537; *B. M.* t. 6360.—S. Italy, N. Africa.—☿. March.

AMICIA *H. B. K.*—*N. Pff.* iii. 3. 318.—Leguminosæ—Papilionatæ—Hedysareæ—Æschynomeninæ.

Zygomeris *DC.* ii. 315; *B. M.* t. 4008.—Bolivia to Mexico.—♂. November–April.

AMORPHA *L.*—*N. Pff.* iii. 3. 264.—Leguminosæ—Papilionatæ—Galegeæ—Psoraliinæ.

croceo-lanata *Wats.*—*Schneider, Hdb. Laubh.* ii. 73.—N. America.—♂. May–June.

fruticosa *L.*—*DC.* ii. 256; *Fl. d'It.* n. 2089.—Carolina, Florida.—♂. May–June.

nana *Nutt.*—*B. M.* t. 2112.—N. America.—♂.

AMPELOPSIS *Michx.*—*N. Pff.* iii. 5. 449.—Vitaceæ—Vitoideæ.

heterophylla *Sieb. & Zucc.*—*Schneider, Hdb. Laubh.* ii. 320; *Vitis het. Thunb.*; *DC.* i. 634.—China, Corea, Japan.—♂ §.

„ var. **amurensis** *Planch.*—China, Manchuria. (*Wilson* n. 121, 157.)—♂ §.

„ var. **Delavayana** *Gagnep.*—China. (*Wilson* n. 124, 130, 149.)—♂ §.

megalophylla *Diels & Gilg.*—*Schneider, Hdb. Laubh.* ii. 322.—China. (*Wilson* n. 143.)—♂ §.

Veitchi *Hort.* = *Parthenocissus tricuspidata.*

AMSONIA *Walt.*—*N. Pff.* iv. 2. 143.—Apocynaceæ—Plumieroidæ—Plumiereæ—Alstoniinaæ.

ciliata *Walt.*—*DC.* viii. 385.—N. America.—☿.

Tabernæmontana *Walt.*—*DC.* viii. 385; *B. M.* t. 1873; *Bossche, Ic. Sel.* t. 69.—N. America.—☿. June–July.

Amygdalus *Tourn.* = *Prunus.*

ANACAMPSEROS L.—*N. Pff.* iii. 1b. 57.—Portulacaceæ.

arachnoides Sims in *B. M.* t. 1368; *DC.* iii. 355; *Fl. Cap.* ii.

384; *Berger, Mesembr.* 305.—S. Africa.— $\mathcal{U}$. June–August.

filamentosa Sims in *B. M.* t. 1367; *DC.* iii. 356; *Fl. Cap.* ii.

384; *Berger, Mesembr.* 305.—S. Africa.— $\mathcal{U}$. June–July.

„ var. *depauperata* *Berger, Mesembr.* 306.— $\mathcal{U}$.

hispidula *Berger, Mesembr.* 305.—Cape.— $\mathcal{U}$.

quinaria *E. Mey.*—*Fl. Cap.* ii. 383; *Berger, Mesembr.* 300.—S. Africa.— $\mathcal{U}$.

„ var. *Schmidtii* *Berger, Mesembr.* 300.—S. W. Africa.— $\mathcal{U}$.

rufescens *DC.* iii. 356; *Fl. Cap.* ii. 384; *Berger, Mesembr.* 303.—S. Africa.— $\mathcal{U}$. June–July.

Telephiastrum *DC.* iii. 355; *DC. Pl. Gr.* t. 3; *Fl. Cap.* ii.

383; *Berger, Mesembr.* 302.—S. Africa.— $\mathcal{U}$. June–August.

tomentosa *Berger, Mesembr.* 307.—German S.W. Africa.— $\mathcal{U}$.

ustulata *E. Mey.*—*Fl. Cap.* ii. 383; *Berger, Mesembr.* 301.—S. Africa.— $\mathcal{U}$.

ANAGYRIS L.—*N. Pff.* iii. 3. 201.—Leguminosæ—Papilionatæ—Podalyriæ.

foetida L.—*DC.* ii. 99; *Lodd. B. C.* t. 740; *Fl. d'It.* n. 1862.

—Mediterranean region.— $\mathcal{h}$. December–March.

ANANAS *Adans.*—*N. Pff.* ii. 4. 45.—Bromeliaceæ—Bromeliæ.

macrodonta *E. Morr.*—*Bak. Brom.* 24.—Brazil— $\mathcal{U}$.

ANCHUSA L.—*N. Pff.* iv. 3a. 114.—Borraginaceæ—Borraginoideæ—Anchuseæ.

capensis *Thunb.*—*DC.* x. 45; *B. M.* t. 1822.—S. Africa.— $\oplus$. Spring.

italica *Retz.*—*DC.* x. 47; *Lodd. B. C.* t. 1383; *Bickn. Pl.*

Riv. t. 40; *Fl. d'It.* n. 2809.—Mediterranean region.— $\oplus$. Spring.

ANDROMEDA L.—*N. Pff.* iv. 1. 42.—Ericaceæ—Arbutoideæ—Andromedeæ.

floribunda *Pursh.*—*DC.* vii. 598; *B. M.* t. 1566.—Georgia, Carolina.— $\mathcal{h}$.

ANDROPOGON L.—*N. Pff.* ii. 2. 26.—Gramineæ—Andropogoneæ.

Ischæmum L.—*Kunth, En.* i. 499; *Moggr.* t. 73; *Fl. d'It.* n. 110.—Europe, Asia, Africa.— $\mathcal{U}$. May–July.

ANDROPOGON (*continued*).

provincialis Lam.—Kunth, *En.* i. 499; *Gren. & Godr. Fl. Fr.* iii. 466.—S. France.— $\mathcal{U}$.

Sorghum Brot.—Kunth, *En.* i. 501; *Fl. Brit. Ind.* vii. 183; *Fl. Cap.* vii. 347.—Tropics.— $\odot$. Summer.

squarrosus L.—Kunth, *En.* i. 505.—Tropics.— $\mathcal{U}$. April–September.

ANEMONE L.—N. Pff. iii. 2. 61.—Ranunculaceæ—Anemoneæ.

coronaria L.—DC. i. 18; *B. M.* t. 841; *Fl. d'It.* n. 1564.—S. Europe, Orient.— $\mathcal{U}$. February–April.

decapetala *Arduini*.—DC. i. 19.—N. Europe, Asia, America.— $\mathcal{U}$. May.

fulgens J. Gay.—DC. i. 18; *Moggr.* t. 1; *Fl. d'It.* n. 1563.—S. Europe.— $\mathcal{U}$. January–April.

„ var. **pavonina** DC. i. 18; *Moggr.* t. 1.—S. Europe.— $\mathcal{U}$. January–April.

Hepatica L.—DC. i. 22; *B. M.* t. 10; *Bickn. Pl. Riv.* t. 1; *Fl. d'It.* n. 1565.—Europe, N. Asia.— $\mathcal{U}$. March–April.

japonica Sieb. & Zucc. *Fl. Jap.* t. 5; *B. M.* t. 4341.—Japan.— $\mathcal{U}$. October–November.

montana Hoppe.—*Gren. & Godr. Fl. Fr.* i. 11.—Europe, Caucasus.— $\mathcal{U}$. April–May.

patens L.—DC. i. 16.—Europe, N. America.— $\mathcal{U}$. April–May.

pratensis L.—DC. i. 17; *Fl. d'It.* n. 1554 γ .—Central Europe.— $\mathcal{U}$. April–May.

Pulsatilla L.—DC. i. 17; *Fl. d'It.* n. 1554.—Europe, N. America.— $\mathcal{U}$. March–April.

rivularis Buch.—DC. i. 21; *Fl. Brit. Ind.* i. 9; *Wight, Ic.* t. 936.—India.— $\mathcal{U}$.

stellata Lam.—DC. i. 18; *B. M.* t. 123; *Moggr.* t. 2.—S. Europe.— $\mathcal{U}$. January–April.

virginiana L.—DC. i. 21; *Baillon, Mon. Ran.* i. 81–2.—N. America.— $\mathcal{U}$.

vitifolia Buch.—DC. i. 21; *Fl. Brit. Ind.* i. 8; *B. M.* t. 3376.—Himalaya.— $\mathcal{U}$.

ANGOPHORA Cav.—N. Pff. iii. 7. 89.—Myrtaceæ—Leptospermoideæ—Eucalyptinæ.

cordifolia Cav.—DC. iii. 222; *Fl. Austr.* iii. 183; *B. M.* t. 1960; *Lodd. B. C.* t. 106.—N. S. Wales.— $\frac{1}{2}$.

lanceolata Cav.—DC. iii. 222; *Fl. Austr.* iii. 184.—Queensland, N. S. Wales.— $\frac{1}{2}$.

ANIGOZANTHUS *Labill.*—*N. Pff.* ii. 5. 124.—Amaryllidaceæ—Hypoxidoideæ—Conostylideæ.

flavidus *Red. Lil.* t. 176; *Fl. Austr.* vi. 443; *B. M.* t. 1151.
—W. Australia.— $\mathcal{U}$.

† **ANISACANTHUS** *Nees.*—*N. Pff.* iv. 3b. 328.—Acanthaceæ—Acanthoideæ—Graptophylleæ.

coccineus *O. Ktze.*—*A. virgularis* *Nees. DC.* xi. 445; *Bossche, Ic. Sel.* t. 33.—S. America.— $\mathcal{h}$. November–December.

Wrightii *A. Gray.*—*Syn. Fl. Am.* ii. 328.—N. America.— $\mathcal{h}$.
September–October.

† **ANONA** *L.*—*N. Pff.* iii. 2. 37.—Anonaceæ—Xylopieæ.

Cherimolia *Mill.*—*DC.* i. 85; *B. M.* t. 2011; *Gard. Chron.* 1900, ii. 460.—Tropical America.— $\mathcal{h}$. June.

ANOPTERUS *Labill.*—*N. Pff.* iii. 2a. 81.—Saxifragaceæ—Escallonioidææ.

glandulosa *Labill.*—*DC.* iv. 6; *Fl. Austr.* ii. 439; *B. M.* t. 4377.—Tasmania.— $\mathcal{h}$.

ANTHEMIS *L.*—*N. Pff.* iv. 5. 271.—Compositæ—Anthemideæ—Anthemidinæ.

austriaca *Jacq.*—*DC.* vi. 11; *Fl. d'It.* n. 3586.—Europe, Orient.— $\mathcal{U}$. May–June.

Biebersteiniana *C. Koch.*—*Nich. Dict. Gard.* 83.—Caucasus, Orient.— $\mathcal{U}$ May–June.

Blancheana *Boiss.*—*Fl. Or.* iii. 292.—Syria.— $\mathcal{U}$ Spring.

Cupaniana *Todaro.*—*Fl. d'It.* n. 3581 β .—Sicily.— $\mathcal{U}$.
Spring.

nobilis *L.*—*DC.* vi. 6; *Fl. d'It.* n. 3577.—W. & S. Europe.— $\mathcal{U}$. June.

santolinoides *Munby.*—*Bull. Soc. Fr.* ii. (1855) 284.—Algeria.— $\mathcal{U}$. May–June.

† **ANTHOCERCIS** *Labill.*—*N. Pff.* iv. 3b. 36.—Solanaceæ—Salpiglossoideæ.

viscosa *R. Br.*—*DC.* x. 191; *Fl. Austr.* iv. 475; *B. M.* t. 2691; *Gard. Chron.* 1895, i. 391.—W. Australia.— $\mathcal{h}$.
May–June.

† **ANTHOLYZA** *L.*—*N. Pff.* ii. 5. 156.—Iridaceæ—Ixioidææ—Gladiolææ.

æthiopica *L.*—*Bak. Irid.* 230; *Fl. Cap.* vi. 167; *B. M.* t. 561.—S. Africa.— $\mathcal{U}$. February–April.

ANTHOXANTHUM *L.*—*N. Pff.* ii. 2. 43.—Gramineæ—Phalarideæ.

amarum *Brot.*—*Kunth, En.* i. 38.—Portugal.— $\frac{1}{2}$. May-June.

ANTHYLLIS *L.*—*N. Pff.* iii. 3. 254.—Leguminosæ—Papilionatæ—Loteæ.

Barba-Jovis *L.*—*DC.* ii. 169; *B. M.* t. 1927; *Bickn. Pl. Riv.* t. 16; *Fl. d'It.* n. 2034.—S. Europe.— $\frac{1}{2}$. April-May.

cytisoides *L.*—*DC.* ii. 169.—Spain, S. France.— $\frac{1}{2}$. April-May.

Hermannia *L.*—*DC.* ii. 169; *B. M.* t. 2576; *Fl. d'It.* n. 2035.—Mediterranean region, Orient.— $\frac{1}{2}$. May-June.

montana *L.*—*DC.* ii. 170; *Fl. d'It.* n. 2033.—Europe.— $\frac{1}{2}$. April-May.

ANTIRRHINUM *L.*—*N. Pff.* iv. 3b. 59.—Scrophulariaceæ—Antirrinoideæ—Antirrhineæ.

Asarina *L.*—*DC.* x. 292; *W. & L. Fl. Hisp.* ii. 586.—Spain, S. France.— $\frac{1}{2}$. Spring.

glutinosum *Boiss. & Reut.*—*W. & L. Fl. Hisp.* ii. 584; *B. M.* t. 7285; *The Garden*, 1904, ii. 424.—Spain.— $\frac{1}{2}$. May-October.

hispanicum *Chav.*—*DC.* x. 291; *W. & L. Fl. Hisp.* ii. 584.—Spain.— $\frac{1}{2}$. May-October.

***latifolium** *DC.* x. 291; *Fl. d'It.* n. 2929; *Bickn. Pl. Riv.* t. 44.—S. W. Europe.— $\frac{1}{2}$. April-September.

majus *L.*—*DC.* x. 291; *Fl. d'It.* n. 2930.—S. Europe, N. America.— $\frac{1}{2}$. Nearly all the year.

maurandioides *A. Gray.*—*Proc. Am. Acad.* vi. (1868) 376.—Texas.— $\frac{1}{2}$.

siculum *Ueria.*—*DC.* x. 291; *Fl. d'It.* n. 2931.—Mediterranean region.— $\frac{1}{2}$. June-October.

APERA *Adans.*—*N. Pff.* ii. 2. 51.—Gramineæ—Agrostideæ.

arundinacea *Hook. fil.*—*Hdb. Fl. N. Zeal.* 326; *Journ. R. Hort. Soc.* 1897, ccxv.—New Zealand.— $\frac{1}{2}$.

APHYLLANTHES *L.*—*N. Pff.* ii. 5. 47.—Liliaceæ—Asphodeloideæ—Aphyllanthæ.

monspeliensis *L.*—*Kunth, En.* 647; *B. M.* t. 1132; *Moggr. Fl. Ment.* t. 89; *Fl. d'It.* n. 715.—S. France, Spain, N. Africa.— $\frac{1}{2}$. April.

APICRA Willd.—*N. Pff.* ii. 5. 46.—Liliaceæ—Asphodeloideæ—Aloineæ.

bullulata Willd.—*Berger, Al. (R. V. C.)*, 116.—Cape.— $\mathcal{U}$.

congesta Bak.—*Berger, Al. (R. V. C.)*, 118.—Cape.— $\mathcal{U}$.
Summer.

deltoides Bak.—*Berger, Al. (R. V. C.)*, 118; *B. M. t.* 6071.—Cape.— $\mathcal{U}$. Summer.

„ var. **intermedia** *Berger, Al. (R. V. C.)*, 120.—Cape.— $\mathcal{U}$.

„ var. **turgida** *Berger, Al. (R. V. C.)*, 118.—Cape.— $\mathcal{U}$. Summer.

foliolosa Willd.—*Berger, Al. (R. V. C.)*, 120; *B. M. t.* 1352.—Cape.— $\mathcal{U}$.

pentagona Willd.—*Berger, Al. (R. V. C.)*, 117; *B. M. t.* 1338.—Cape.— $\mathcal{U}$. Summer.

Skinneri *Berger, Al. (R. V. C.)*, 116.—Cape.— $\mathcal{U}$.

spiralis Bak.—*Berger, Al. (R. V. C.)*, 117; *DC. Pl. Gr. t.* 56; *B. M. t.* 1455.—Cape.— $\mathcal{U}$. Summer.

APIOS Moench.—*N. Pff.* iii. 3. 365.—Leguminosæ—Papilionatæ—Phaseoleæ—Erythrininæ.

tuberosa Moench.—*DC.* ii. 390; *B. M. t.* 1198; *Fl. d'It. n.* 2186.—*N. America.*— $\mathcal{U}$ §. June–July.

APIUM L.—*N. Pff.* iii. 8. 184.—Umbelliferæ—Apioideæ—Ammineæ—Carinæ.

graveolens L.—*DC.* iv. 101; *Fl. d'It. n.* 2276.—Europe, Asia, Africa, S. America.— $\odot$.

APOCYNUM L.—*N. Pff.* iv. 2. 179.—Apocynaceæ—Echitoideæ—Echitideæ.

androsæmifolium L.—*DC.* viii. 439; *B. M. t.* 280.—*N. America.*— $\mathcal{U}$. June–July.

cannabinum L.—*DC.* viii. 439; *Rept. Miss. B. G.* 1898, t. 44.—*N. America.*— $\mathcal{U}$. June.

APONOGETON Thunb.—*N. Pff.* ii. 1. 222.—Aponogetonaceæ.

Dinteri Engl. & Krause.—*R. V. C.* iv. 13, 14.—German S.W. Africa.— $\mathcal{U}$. May–June.

distachyum Thunb.—*Fl. Cap.* vii. 43; *R. V. C.* iv. 13, 21; *B. M. t.* 1293.—S. Africa.— $\mathcal{U}$. Nearly all the year.

AQUILEGIA L.—*N. Pff.* iii. 2. 59.—Ranunculaceæ—Helleboreæ.

cœrulea James.—*B. M. t.* 5477.—*N. America.*— $\mathcal{U}$. May.

AQUILEGIA (*continued*).

flabellata Sieb. & Zucc.—*Nich. Dict. Suppl.* 78.—Japan.— $\mathcal{U}$.
May.

formosa DC. i. 50; *Fl. d. S.* t. 795.—Siberia.— $\mathcal{U}$. May.

glandulosa Fisch.—DC. i. 50.—Siberia.— $\mathcal{U}$. May.

Skinneri Hook.—*B. M.* t. 3919.—Mexico.— $\mathcal{U}$. June.

vulgaris L.—DC. i. 50; *Fl. d'It.* n. 1626.—Europe.— $\mathcal{U}$.
May–June.

ARABIS L.—*N. Pff.* iii. 2. 193. — Cruciferae–Hesperideae–
Turritinae.

albida Stev.—DC. i. 142; *Lodd. B. C.* t. 1459.—Mediterranean region, Orient.— $\mathcal{U}$. April.

bellidifolia Jacq.—DC. i. 147; *Fl. d'It.* n. 1337.—Europe.— $\mathcal{U}$. April.

† **ARALIA** L.—*N. Pff.* iii. 8. 56.—Araliaceae–Aralieae.

Abeli Hort.—(*Lemoine*, 1906).— $\mathcal{U}$.

angustifolia Hort.—(*Lemoine*, 1906).— $\mathcal{U}$.

Baueri Hort.—(*Lemoine*, 1906).— $\mathcal{U}$.

Chabrieri Hort.—*Rev. Hort. Belg.* 1887, 20.— $\mathcal{U}$.

chinensis L.—DC. iv. 259; *Nich. Dict.* i. 104; *Schneider, Hdb. Laubh.* ii. 431.—China.— $\mathcal{U}$.

Cunninghamii Hort.—(*Lemoine*, 1906).— $\mathcal{U}$.

elegantissima Hort. *Veitch*.— $\mathcal{U}$.

knightiæfolia Hort.—(*Lemoine*, 1906).— $\mathcal{U}$.

leodiensis Hort.—(*Lemoine*, 1906).— $\mathcal{U}$.

mexicana Hort.— $\mathcal{U}$.

palmata Hort. = *Oreopanax palmatus*.

papyrifera Hook. = *Tetrapanax papyrifer*.

quinquefolia Hort. = *Pseudopanax crassifolius*.

Schefferi Hort.— $\mathcal{U}$.

Sieboldi Hort. = *Fatsia japonica*.

trifoliata Hort. = *Pseudopanax crassifolius*.

† **ARAUCARIA** Juss.—*N. Pff.* ii. 1. 67.—Pinaceae–Abietineae–
Araucariinae.

Bidwilli Hook.—DC. xvi. 2. 371; *Fl. Austr.* vi. 243; *Fl. d. S.* t. 2221–2.—Queensland.— $\mathcal{U}$.

brasiliensis A. Rich.—DC. xvi. 2. 370; *Fl. d. S.* t. 2202.—Brazil.— $\mathcal{U}$.

Cunninghamii Sweet.—DC. xvi. 2. 371; *Fl. Austr.* vi. 243.—Queensland, N. S. Wales.— $\mathcal{U}$.

ARAUCARIA (*continued*).

excelsa R. Br.—*DC.* xvi. 2. 372; *Fl. d. S. t.* 2304–5.—Norfolk Island.— $\frac{1}{2}$.

imbricata Pav.—*DC.* xvi. 2. 370; *Fl. d. S. t.* 1577–80.—Chili.— $\frac{1}{2}$.

ARAUJIA Brot.—*N. Pff.* iv. 2. 228.—*Asclepiadaceæ*—*Cynanchoideæ*—*Glossonematinæ*.

megapotamica G. Don.—*A. angustifolia* Hook. & Arn.—*DC.* viii. 534.—S. Brazil.— $\frac{1}{2}$ §.

sericifera Brot.—*DC.* viii. 533.—S. Brazil.— $\frac{1}{2}$ §. Summer.

‡**ARBUTUS** L.—*N. Pff.* iv. 1. 48.—*Ericaceæ*—*Arbutoideæ*—*Arbuteæ*.

Andrachne L.—*DC.* vii. 582; *B. M.* t. 2024.—Crete, Greece.— $\frac{1}{2}$. January–March.

canariensis Veill.—*DC.* vii. 581; *B. M.* t. 1577.—Canaries.— $\frac{1}{2}$.

Unedo L.—*DC.* vii. 582; *Lodd. B. C.* t. 123; *Fl. d'It.* n. 2654.—S. Europe.— $\frac{1}{2}$. November–March.

‡**ARCHONTOPHÆNIX** Wendl. & Dr.—*N. Pff.* ii. 3. 75.—*Palmæ*—*Ceroxylinæ*—*Arecinæ*—*Areceæ*.

Cunninghamii Wendl. & Dr.—*Fl. Austr.* vii. 141; *Gard. Chron.* 1902, i. 19. (*Seaforthia elegans* R. Br.).—Queensland, N. S. Wales.— $\frac{1}{2}$.

ARCTOSTAPHYLOS Adans.—*N. Pff.* iv. 1. 48.—*Ericaceæ*—*Arbutoideæ*—*Arbuteæ*.

tomentosa Lindl.—*DC.* vi. 585.—California, Mexico.— $\frac{1}{2}$.

ARCTOTIS L.—*N. Pff.* iv. 5. 308.—*Compositæ*—*Tubifloræ*—*Arctotideæ*.

aspera L. var. **arborescens** *DC.* vi. 488; *B. M.* t. 6528.—S. Africa.— $\frac{1}{4}$. Spring and summer.

Leichtlini N. E. Br.—*Gard. Chron.* (1883) i. 78, sub *Haplocarpha*.—S. Africa.— $\frac{1}{4}$. June–September.

lyrata Harv.—*Fl. Cap.* iii. 465, sub *Haplocarpha*.—S. Africa.— $\frac{1}{4}$. Summer.

revoluta Jacq.—*DC.* vi. 488; *B. M.* t. 6835.—S. Africa.— $\frac{1}{4}$. Spring and summer.

scaposa Harv.—*Fl. Cap.* iii. 465, sub *Haplocarpha*.—S. Africa.— $\frac{1}{4}$.

stœchadifolia Berg.—*DC.* vi. 488; *Fl. Cap.* iii. 455.—S.W. Africa.— $\frac{1}{4}$. Spring and summer.

ARDISIA Sw.—*N. Pff.* iv. 1. 93.—Myrsinaceæ—Myrsinoideæ—Ardisieæ.

crispa A. DC.—*A. crenata* Sims.—DC. viii. 134; *B. M.* t. 1950; *R. V. C.* iv. 236. 144.—China.—½.

latifolia Sieber = *Oncostemon*.

odontophylla Wall.—DC. viii. 135; *R. V. C.* iv. 236. 150.—India, Java.—½.

Arduina L. = *Carissa* L.

Areca Baueri Hook. = *Kentia Baueri*.

„ *sapida* Sol. = „ *sapida*.

ARENARIA L.—*N. Pff.* iii. 1b. 84.—Caryophyllaceæ—Alsinoideæ—Alsineæ.

capillaris Poir.—DC. i. 403.—N. Asia, N. America.—¼.

graminifolia *Arduini*.—DC. i. 401.—Italy, Dalmatia.—¼. May–June.

serpyllifolia L.—DC. i. 411; *Fl. d'It.* n. 1115.—Europe, temperate Asia.—¼. May–June.

‡**ARGANIA** Roem. & Schult.—*N. Pff.* iv. 1. 145.—Sapotaceæ—Palaquieæ—Sideroxylinæ.

Sideroxylon Roem. & Schult.—DC. viii. 187.—S.W. Morocco.—½. June, November–December.

ARGEMONE Tourn.—*N. Pff.* iii. 2. 141.—Papaveraceæ—Papaveroideæ—Papavereæ.

grandiflora Sweet.—*Gard. Chron.* 1907, ii. 113; *Fedde, Papav.* (*R. V. C.*) 280.—Mexico.—☉ ¼. May–October.

mexicana L.—DC. i. 120; *B. M.* t. 243; *Fedde, Papav.* (*R. V. C.*) 273.—Mexico.—☉. May–September.

ARGYREIA Lour.—*N. Pff.* iv. 3a. 20.—Convolvulaceæ—Convolvuloideæ—Argyreiinæ.

megapotamica Griseb. in *Goett. Abh.* xxiv. 1879, 263.—Argentina.—½ §.

speciosa Sweet.—DC. ix. 328; *Fl. Brit. Ind.* iv. 185; *Wight, Ic.* t. 851; *B. M.* t. 2446.—India, Java, China.—½ §.

ARGYROLOBIUM Eckl. & Zeyh.—*N. Pff.* iii. 3. 232.—Leguminosæ—Papilionatæ—Genistæ—Spartiinæ.

Andrewsianum Steud.—*Fl. Cap.* ii. 75; *Bossche, Ic. Sel.* t. 177.—Cape.—½.

***argenteum** Walp.—DC. ii. 156; *Ard. Fl. Alp. M.* 94; *Bickn. Pl. Riv.* t. 14.—Western Mediterranean region.—¼ ½. April–May.

ARIOCARPUS *Scheidw.*—*N. Pff.* iii. 6a. 195.—Cactaceæ—Cereoideæ—Mamillariæ.

fissuratus *K. Schum. Mon. Cact.* 600; *Rept. Miss. B. G.* 1898, t. 32.—Mexico.— $\frac{1}{4}$. Summer.

Kotschubeyanus *K. Schum. Mon. Cact.* 606; *Rept. Miss. B. G.* 1898, t. 33.—Mexico.— $\frac{1}{4}$. Summer.

prismaticus *Scheidw.*—*K. Schum. Mon. Cact.* 605; *B. M.* t. 7279.—Mexico.— $\frac{1}{4}$. October.

ARISÆMA *Mart.*—*N. Pff.* ii. 3. 150.—Araceæ—Aroideæ—Areæ.

ringens *Schott.*—*Kunth, En.* iii. 17; *Rumphia*, i. t. 98.—Japan.— $\frac{1}{4}$. April.

ARISARUM *L.*—*N. Pff.* ii. 3. 149.—Araceæ—Aroideæ—Areæ.

proboscideum *Savi.*—*Kunth, En.* iii. 15; *B. M.* t. 6634; *Fl. d'It.* n. 536.—Italy.— $\frac{1}{4}$. April.

**vulgare* *Targ.-Tozz.*—*Kunth, En.* iii. 15; *B. M.* t. 6023; *Fl. d'It.* n. 535.—Mediterranean region.— $\frac{1}{4}$. October–April.

ARISTEA *Soland.*—*N. Pff.* ii. 5. 152.—Iridaceæ—Iridoideæ—Aristeæ.

corymbosa *Benth.*—*Bak. Irid.* 145; *Fl. Cap.* vi. 55; *B. M.* t. 895; *Red. Lil.* t. 453; *Lodd. B. C.* t. 254.—Cape Colony.— $\frac{1}{4}$.

Eckloni *Bak. Irid.* 144; *Wood, Nat. Pl.* t. 68; *Fl. Cap.* vi. 54.—Kaffraria, Natal.— $\frac{1}{4}$.

†**ARISTOLOCHIA** *L.*—*N. Pff.* iii. 1. 272.—Aristolochiaceæ—Aristolochiæ.

altissima *Desf.*—*DC.* xv. 1. 489; *B. M.* t. 6586; *Fl. d'It.* n. 955.—Eastern Mediterranean region.— $\frac{1}{4}$ §. Summer.

argentina *Griseb.*—*Goett. Abh.* xix. 1874, 156.—Argentina.— $\frac{1}{4}$ §. Summer.

brasiliensis *Mart.*—*DC.* xv. 1. 471; *B. M.* t. 4120.—Brazil.— $\frac{1}{4}$ §. Summer.

elegans *Mast.*—*B. M.* t. 6909.—Brazil.— $\frac{1}{2}$ §. Summer.

fimbriata *Cham.*—*DC.* xv. 1. 454; *B. M.* t. 3756.—Brazil.— $\frac{1}{4}$. May–June.

grandiflora *Swartz.*—*DC.* xv. 1. 472; *B. M.* t. 4368–9.—Tropical America.— $\frac{1}{4}$ §. July–November.

pallida *Willd.*—*DC.* xv. 1. 487; *Moggr.* t. 87; *Bickn. Pl. Riv.* t. 52.—Europe, Asia Minor.— $\frac{1}{4}$. Spring.

ARISTOLOCHIA (*continued*).

rotunda *L.*—*DC.* xv. 1. 487; *Moggr.* t. 64; *Bickn. Pl. Riv.* t. 52; *Fl. d'It.* n. 957.—Mediterranean region.— $\frac{1}{4}$. Spring.

sempervirens *L.*—*DC.* xv. 1. 489; *B. M.* t. 1116.—Crete.— $\frac{1}{2}$ §. April–December.

ARISTOTELIA *L'Hér.*—*N. Pff.* iii. 6. 8.—Elæocarpaceæ—Aristoteliææ.

fruticosa *Hook. fil.*—*Hdb. Fl. N. Zeald.* 33.—New Zealand.— $\frac{1}{2}$.

Macqui *L'Hér.*—*DC.* ii. 56; *Miers, Contr.* ii. t. 80.—Chili.— $\frac{1}{2}$.

racemosa *Hook. fil.*—*Hdb. Fl. N. Zeald.* 33; *B. M.* t. 7378.—New Zealand.— $\frac{1}{2}$.

ARTEMISIA *L.*—*N. Pff.* v. 281.—Compositæ—Anthemideæ—Chrysantheminaæ.

arborescens *L.*—*DC.* vi. 121; *Fl. d'It.* n. 3552.—Mediterranean region.— $\frac{1}{2}$. June–July.

argentea *L'Hér.*—*DC.* vi. 120; *Lowe, Man. Fl. Mad.* 451.—Madeira.— $\frac{1}{2}$. June–July.

camphorata *Vill.*—*DC.* vi. 121; *Fl. d'It.* n. 3551.—S. Europe.— $\frac{1}{4}$. June–July.

gnaphalodes *Nutt.*—*DC.* vi. 115.—N. America.— $\frac{1}{4}$.

hololeuca *Bieb.*—*DC.* vi. 112.—S.W. Europe.— $\frac{1}{4}$ $\frac{1}{2}$.

maritima *L.*—*DC.* vi. 103.—Europe, Caucasus, Siberia.— $\frac{1}{4}$. June–July.

mexicana *Willd.*—*DC.* vi. 114.—Mexico.— $\frac{1}{4}$ $\frac{1}{2}$.

nutans *Willd.*—*DC.* vi. 103.—Europe, Caucasus, Siberia.— $\frac{1}{4}$ $\frac{1}{2}$.

salsoloides *Willd.*—*DC.* vi. 94.—Caucasus, Siberia.— $\frac{1}{2}$.

Stelleriana *Bess.*—*DC.* vi. 119.—N. America, Kamtschatka.— $\frac{1}{4}$. June–July.

tridentata *Nutt.*—*Ref. Bot.* t. 203.—Western North America.— $\frac{1}{2}$. June–July.

variabilis *Ten.*—*DC.* vi. 94; *Fl. d'It.* n. 3565 β .—S. Italy, Spain.— $\frac{1}{4}$. May–July.

ARTHROPODIUM *R. Br.*—*N. Pff.* ii. 5. 35.—Liliaceæ—Asphodeloideæ—Asphodeleæ—Anthericinaæ.

cirrhatum *R. Br.*—*Hdb. Fl. N. Zeald.* 285; *B. M.* t. 2350.—New Zealand.— $\frac{1}{4}$. June–July.

ARUM *L.*—*N. Pff.* ii. 3. 147.—Araceæ—Aroideæ—Areæ.

hygrophilum *Boiss. Fl. Or.* v. 37.—Syria.— $\frac{1}{4}$. April–May.

palæstinum *Boiss. Fl. Or.* v. 37; *B. M.* t. 5509; *Gard. Chron.* 1893, i. 101.—Syria, Palæstina.— $\frac{1}{4}$. April–May.

pictum *L.*—*Gr. & Godr. Fl. Fr.* iii. 331; *Fl. d'It.* n. 528.—Corsica.— $\frac{1}{4}$. October.

ARUNDINARIA *Michx.*—*N. Pff.* ii. 2. 91.—Gramineæ—Bambuseæ.

falcata *Nees.*—*Fl. Brit. Ind.* vii. 381; *Nich. Dict.* i. 118.—Himalaya.— $\frac{1}{2}$.

Falconeri *Benth.*—*Fl. Brit. Ind.* vii. 383; *B. M.* t. 7947.—India.— $\frac{1}{2}$.

Hindsii *Satow, Bamb. Jap.* 49, with plate.—Japan, China.— $\frac{1}{2}$.

„ var. **graminea** *Freem. Mitf. Bamb. Gard.* 110.—Japan.— $\frac{1}{2}$.

Hookeriana *Munro.*—*Fl. Brit. Ind.* vii. 382; *Freem. Mitf. Bamb. Gard.* 167.—Himalaya.— $\frac{1}{2}$.

japonica *Sieb.*—*Freem. Bamb. Gard.* t. 2. — *B. mitis*, *B. Metake.*—Japan.— $\frac{1}{2}$.

khasiana *Munro.*—*Fl. Brit. Ind.* vi. 381.—Himalaya.— $\frac{1}{2}$.

Simoni *A. & C. Riv.*—*Satow, Bamb. Jap.* 82, with plate; *B. M.* t. 7146.—China, Japan.— $\frac{1}{2}$.

ARUNDO *L.*—*N. Pff.* ii. 2. 68.—Gramineæ—Festuceæ.

Donax *L.*—*Kunth, En.* i. 189; *Fl. d'It.* n. 210.—S. Europe, N. Africa.— $\frac{1}{4}$ $\frac{1}{2}$. September–October.

„ var. **foliis variegatis.**

ASCLEPIAS *L.*—*N. Pff.* iv. 2. 238.—Asclepiadaceæ—Cynanchoideæ—Asclepiadeæ.

curassavica *L.*—*DC.* viii. 566; *Lodd. B. C.* t. 349.—Antilles Islands.— $\frac{1}{2}$ Summer.

Douglasii *Hook.*—*Nich. Dict. Gard.* 119; *Fl. d. S.* t. 426.—N. America.— $\frac{1}{4}$. July–September.

Hallii *A. Gr.*—*Gard. Chron.* 1900, ii. 183.—N. America.— $\frac{1}{4}$. July–September.

incarnata *L.*—*DC.* viii. 567.—N. America.— $\frac{1}{4}$. July–September.

lanuginosa *Kunth.*—*DC.* viii. 564.—Mexico.— $\frac{1}{4}$. July–September.

linifolia *Kunth.*—*DC.* viii. 570.—Mexico, N. America.— $\frac{1}{4}$.

phytolaccoides *Pursh.*—*DC.* viii. 565.—N. America.— $\frac{1}{4}$. July–September.

ASCLEPIAS (*continued*).

purpurascens L.—*DC.* viii. 564; *Torr. Fl. N. York*, ii. t. 14.
—N. America.— $\frac{1}{4}$.

syriaca L.—*DC.* viii. 564. — N. America. — $\frac{1}{4}$. July-September.

tuberosa L.—*DC.* viii. 567; *Lodd. B. C.* t. 1297.—N. America.— $\frac{1}{4}$. July-September.

verticillata L.—*DC.* viii. 569; *Lodd. B. C.* t. 1067.—N. America.— $\frac{1}{4}$. June-October.

ASIMINA *Adans.*—*N. Pff.* iii. 2. 31.—Anonaceæ—Uvarieæ.

triloba *Dun.*—*DC.* i. 87; *Nich. Dict.* i. fig. 159; *Schneider, Hdb. Laubh.* i. 347.—Pennsylvania.— $\frac{1}{2}$.

ASPARAGUS L.—*N. Pff.* ii. 5. 77.—Liliaceæ—Asparagoideæ—Asparageæ.

***acutifolius** L.—*Kunth, En.* v. 65; *Fl. d'It.* n. 736.—Mediterranean region.— $\frac{1}{2}$ §. July-October.

aphyllus L.—*Kunth, En.* v. 66; *Fl. d'It.* n. 737.—Mediterranean region.— $\frac{1}{2}$ §.

capensis L.—*Jacq. H. Sch.* t. 266; *Fl. Cap.* vi. 263.—S. Africa.— $\frac{1}{2}$.

caspicus *Kunth, En.* v. 64.—Caspian Sea.— $\frac{1}{4}$. July.

comorensis *Hort.*—*Gard. Chron.* 1898, i. 179. fig. 72.—Comoro Islands.— $\frac{1}{4}$ $\frac{1}{2}$.

Cooperi *Bak.*—*Fl. Cap.* vi. 263.—S. Africa.— $\frac{1}{2}$ §. June-July.

crispus *Lam.*—*Fl. Cap.* vi. 259; *Kunth, En.* iv. 77.—*A. decumbens* *Jacq. H. Sch.* t. 51.—S. Africa.— $\frac{1}{4}$ §. February.

davuricus *Fisch.*—*Kunth, En.* v. 64.—N. Asia.— $\frac{1}{4}$. June.

laricinus *Burch.*—*Kunth, En.* v. 75; *Fl. Cap.* vi. 267; *Gard. Chron.* 1898, i. 122.—S. Africa.— $\frac{1}{2}$.

madagascariensis *Bak.* in *Journ. Linn. Soc.* xvi. 206; *B. M.* t. 8046.—Madagascar.— $\frac{1}{2}$.

maritimus *Pall.*—*Kunth, En.* v. 63.—Russia, Caucasus, Persia.— $\frac{1}{4}$.

medeoloides *Thunb.*—*Fl. Cap.* vi. 272. — *Myrsiphyllum asparagoides* *Willd.*—*Kunth, En.* v. 105; *Red. Lil.* t. 442; *B. M.* t. 5584.—S. Africa.— $\frac{1}{4}$ §. March-April.

„ var. **angustifolius** *Bak.*—*Fl. Cap.* vi. 272.— $\frac{1}{4}$ §.

officinalis L.—*Kunth, En.* v. 60; *Fl. d'It.* n. 735.—Europe, Caucasus, Siberia.— $\frac{1}{4}$. May-June.

ASPARAGUS (*continued*).

- plumosus** *Bak.*—*Fl. Cap.* vi. 260; *Fl. d. S.* t. 2413-4; *Gard. Chron.* 1898, i. 146.—S. Africa.—½ §. June.
- retrofractus** *L.*—*Kunth, En.* v. 88; *Fl. Cap.* vi. 266.—S. Africa.—½.
- scaber** *Brign.*—*Kunth, En.* v. 62.—S. Europe, N. Africa.—¼.
- spinousus** *Hort. Wildpr.*—Canaries.—½ §.
- Sprengeri** *Regel.*—*Fl. Cap.* vi. 271; *Gard. Chron.* 1905, i. 10; *B. M.* t. 8052.—Natal.—¼ ½. June-July.
- suaveolens** *Burch.*—*Fl. Cap.* vi. 265.—Cape.—½ §.
- verticillatus** *L.*—*Kunth, En.* v. 68.—Asia Minor.—¼. June.
- virgatus** *Bak.*—*Fl. Cap.* vi. 259; *Ref. Bot.* 214.—S. Africa.—¼ ½.

ASPERULA *L.*—*N. Pff.* iv. 5. 148.—Rubiaceæ—Coffeoidæ—Galieæ.

- ciliaris** *Rchb.*—*DC.* iv. 582.—Persia.—¼. May-June.
- galioides** *Bieb.*—*DC.* iv. 585.—Europe, Caucasus.—¼. May-June.
- nitida** *Sibth. & Sm.*—*DC.* iv. 584.—Sicily, Greece.—¼.
- taurina** *L.*—*DC.* iv. 582; *Fl. d'It.* n. 3294.—Central Europe, Orient.—¼. May-June.

ASPHODELINE *Rchb.*—*N. Pff.* ii. 5. 31.—Liliaceæ—Asphodeloideæ—Asphodeleæ.

- liburnica** *Rchb.*—*Kunth, En.* iv. 562; *B. M.* t. 2626; *Fl. d'It.* n. 719.—S. Europe.—¼. May.
- lutea** *Rchb.*—*Kunth, En.* iv. 561; *B. M.* t. 773; *Fl. d'It.* n. 718.—S. Europe.—¼. May.

ASPHODELUS *L.*—*N. Pff.* ii. 5. 31.—Liliaceæ—Asphodeloideæ—Asphodeleæ.

- acaulis** *Desf.* *Fl. Atl.* i. 302, t. 89; *Kunth, En.* iv. 560; *B. M.* t. 7004.—Algeria.—¼. April.
- fistulosus** *L.*—*Kunth, En.* iv. 557; *B. M.* t. 984; *Red. Lil.* t. 178; *Lodd. B. C.* t. 1124; *Bickn. Pl. Riv.* t. 79; *Fl. d'It.* n. 717.—S. Europe, N. Africa, Arabia.—¼. March-May.
- ramosus** *L.*—*Kunth, En.* iv. 555; *Red. Lil.* t. 51; *Fl. d'It.* n. 716.—*A. albus* *Willd.*—*A. cerasifer* *J. Gay.*—Mediterranean region.—¼. March-May.

ASPIDISTRA *Gawl.*—*N. Pff.* ii. 5. 82.—Liliaceæ—Asparagoideæ—Convallariæ—Aspidistrinæ.

elator *Blume.*—*Kunth, En.* v. 313, sub *Plectogyne variegata* Link.—Japan.—4. Spring and summer.

lurida *Gawl.*—*Kunth, En.* v. 311; *B. M.* t. 2499; *Lodd. B. C.* t. 1468.—Eastern Himalaya, China.—4.

Aspidium Sw. = *Polystichum*.

ASPLENIUM *L.*—*N. Pff.* i. 4. 233.—Polypodiaceæ—Asplenieæ.

***Adiantum-nigrum** *L.*—*Hook. Syn. Fil.* 293; *Fl. d'It.* n. 24.—Africa, Europe N. Asia, N. America.—4.

bulbiferum *Forst.*—*Hook. Syn. Fil.* 218.—N. Zealand, Australia, India, Mexico.—4.

dimorphum *Kunze.*—*Hook. Syn. Fil.* 223.—Norfolk Island.—4.

ASTELIA *Banks & Sol.*—*N. Pff.* ii. 5. 75.—Liliaceæ—Dracænoideæ—Dracænæ.

Banksii *A. Cunn.*—*Hdb. Fl. N. Zeal.* 284.—New Zealand.—4.

ASTER *L.*—*N. Pff.* iv. 5. 161.—Compositæ—Astereæ—Asterinæ.

Amellus *L.*—*DC.* v. 231.—Europe, Asia.—4.

cordifolius *L.*—*DC.* v. 233.—N. America.—4. August–September.

grandiflorus *L.*—*DC.* v. 232.—Virginia, Carolina.—4.

lævis *L.*—*DC.* v. 246.—N. America.—4.

Novi-Belgii *Nees.*—*DC.* v. 238; *Fl. d'It.* n. 3517.—N. America.—4. August–September.

Tradescanti *L.*—*DC.* v. 241; *Fl. d'It.* n. 3519; *B. M.* t. 7825.—N. America.—4. August–September.

ASTRAGALUS *L.*—*N. Pff.* iii. 3. 285.—Leguminosæ—Papilionatæ—Galegeæ—Astragalinæ.

aristatus *L'Hér.* = *sempervirens*.

aureus *Willd.*—*DC.* ii. 296.—Orient.—4.

caucasicus *Pall.*—*DC.* ii. 296.—Caucasus.—4.

creticus *Lam.*—*DC.* ii. 297.—Greece.—4.

deinacanthus *Boiss.*—*Fl. Or.* ii. 374.—Syria.—4. May–June.

drusorum *Boiss.*—*Fl. Or.* ii. 371.—Syria.—4. May–June.

emarginatus *Labill. Ic. Pl. Syr.* 19, t. 9; *DC.* ii. 291; *Boiss. Fl. Or.* ii. 246.—Syria.—4.

galegiformis *L.*—*DC.* ii. 294.—Caucasus.—4. June–July.

ASTRAGALUS (*continued*).

longifolius Lam.—DC. ii. 297; Boiss. *Fl. Or.* ii. 375.—Armenia.—½.

mollis Bieb.—DC. ii. 301; Boiss. *Fl. Or.* ii. 260.—Caucasus, Persia.—¼.

narbonensis Gouan.—DC. ii. 294.—S. France, Spain.—¼. May–July.

ponticus Pall.—DC. ii. 295; Boiss. *Fl. Or.* ii. 408; B. M. t. 7622.—Asia Minor.—¼. May–July.

saxatilis Freyn & Bornm. in *Oester. Bot. Zeitschr.* 1891, 495.—Asia Minor.—¼.

sempervirens Lam.—*Fl. d'It.* n. 2083.—*A. aristatus* L'Hér.—DC. ii. 298.—S. Europe.—¼. May–June.

Tragacantha L.—DC. ii. 298; *Fl. d'It.* n. 2082.—Western Mediterranean region.—½.

viciæfolius DC. ii. 282; Boiss. *Fl. Or.* ii. 252.—Caucasus, Asia Minor.—¼.

Astrapæa Lindl. = *Dombeya*.

ATALANTIA Correa.—N. Pff. iii. 4. 192.—Rutaceæ–Aurantioidææ.

buxifolia Oliver.—Benth. *Fl. Hongk.* 51.—S. China, Formosa.—½. July.

ATHAMANTA Koch.—N. Pff. iii. 8. 206.—Umbelliferæ–Apioidææ–Ammiineæ–Seselinæ.

macedonica Spreng.—DC. iv. 155; *Fl. d'It.* n. 2393.—Italy, S.E. Europe.—¼.

Matthioli Wulf.—DC. iv. 155; *Fl. d'It.* n. 2395β.—S. Europe.—¼. July.

sicula L.—DC. iv. 155; *Fl. d'It.* n. 2394.—Italy, S. Europe.—¼.

ATRACTYLIS L.—N. Pff. iv. 5. 317.—Compositæ–Cynareæ–Carolininæ.

cancellata L.—DC. vi. 550; *Fl. d'It.* n. 3687.—Mediterranean region.—☉. May–June.

ATRAPHAXIS L.—N. Pff. iii. 1a. 23.—Polygonaceæ–Polygonoidææ–Atraphaxideæ.

lanceolata DC. xiv. 78; Bossche, *Ic. Sel.* t. 188.—S. Russia, Central Asia.—½. Spring.

spinosa L.—DC. xiv. 75; Schneider, *Hdb. Laubh.* i. 255, fig. 166.—Orient.—½. May–August.

ATRIPLEX *L.*—*N. Pff.* iii. 1a. 64.—Chenopodiaceæ—Cyclolobeæ—Atripliceæ.

canescens *James.*—*Ind. Kew.*—Western N. America.—½. June.

Halimus *L.*—*DC.* xiii. 2. 100; *Fl. d'It.* n. 1002.—S. Europe, N. and S. Africa.—½. July–November.

portulacoides *L.*—*Fl. d'It.* n. 1000; *DC.* xiii. 2. 112.—Europe, Syria, N. Africa.—¼ ½. July–September.

ATROPA *L.*—*N. Pff.* iv. 3b. 16.—Solanaceæ—Solaneæ—Lyciinae.

Belladonna *L.*—*DC.* xiii. 1. 464; *Fl. d'It.* n. 2880.—Europe, Orient, India.—¼. May–June.

AUBRIETIA *Adans.*—*N. Pff.* iii. 2. 190.—Cruciferae—Hesperiæ—Capsellinae.

deltoidea *DC.* i. 158; *Boiss. Fl. Or.* i. 252.—Italy, Greece, Asia Minor.—¼. April.

„ var. **Bougainvillei** *Hort.*—*Nich. Dict.* i. 145.

„ var. **Campbelli** *Hort.*—*Nich. Dict.* i. 145.

„ var. **Eyrei** *Hort.*—*Nich. Dict.* i. 145.

„ var. **Leichtlini** *Hort.*—*Nich. Dict. Suppl.* 112.

erubescens *Griseb.*—*Boiss. Fl. Or.* i. 252.—Greece.—¼. March–May.

gracilis *Sprun.*—*Boiss. Fl. Or.* i. 250; *Hal. Consp. Fl. Græc.* i. 84.—Greece.—¼. March–May.

olympica *Boiss. Fl. Or.* i. 251.—Bithynia.—¼. April–May.

AUCUBA *Thunb.*—*N. Pff.* iii. 8. 268.—Cornaceæ—Cornoideæ.

japonica *Thunb.*—*DC.* iv. 274; *B. M.* t. 1197; *Wangerin, Cornac. (R. V. C.)* 38.—Japan, Corea, Formosa.—½. March–April.

Audibertia *Benth.* = *Ramona*.

Azalea *L.* = *Rhododendron*.

AZARA *Rz. & Pav.*—*N. Pff.* iii. 6a. 41.—Flacourtiaceæ—Flacourtiæ.

Gilliesii *Hook. & Arn.*—*B. M.* t. 5178; *Fl. d. S.* t. 2445; *Gard. Chron.* 1906, i. 77.—Chili.—½. December–February.

microphylla *Hook.*—*Nich. Dict.* i. 151; *Bossche, Ic. Sel.* t. 71.—Chili.—½. March.

AZOLLA *Lam.*—*N. Pff.* i. 4. 400.—Salviniaceæ.

caroliniana *Willd.*—*Fl. d'It.* n. 53.—America.—¼.

BABIANA Ker. — *N. Pff.* ii. 5. 155. — Iridaceæ—Ixioidæ—Gladiolæ.

disticha Ker.—*Bak. Irid.* 184; *Fl. Cap.* vi. 112; *B. M.* t. 626.—S. Africa.— $\mathcal{U}$. March–April.

plicata Ker.—*Bak. Irid.* 183; *Fl. Cap.* vi. 112; *B. M.* t. 576; *Jacq. H. Sch.* t. 14.—S. Africa.— $\mathcal{U}$. March–April.

stricta Ker.—*Bak. Irid.* 184; *Fl. Cap.* vi. 113; *B. M.* t. 410, 583, 621, 637, 1053; *Red. Lil.* t. 90.—S. Africa.— $\mathcal{U}$. March–April.

BACCHARIS L.—*N. Pff.* iv. 5. 170.—Compositæ—Astereæ—Baccharidinæ.

cordifolia DC. v. 422.—S. America.— $\mathfrak{h}$.

Pingræa DC. v. 420.—Chili.— $\mathfrak{h}$. March–May.

rosmarinifolia Hook. & Arn.—DC. v. 419.—Chili.— $\mathfrak{h}$. March–May.

sagittalis DC. v. 425.—Chili.— $\mathfrak{h}$.

scoparia Pers.—DC. v. 424; *Fl. West Ind.* 366.—W. Indies.— $\mathfrak{h}$.

trinervis Pers.—DC. v. 411.—Brazil.— $\mathfrak{h}$ §.

xalapensis H. B. K.—DC. v. 411.—Mexico.— $\mathfrak{h}$. March–May.

BÆCKEA L.—*N. Pff.* iii. 7. 98.—Myrtaceæ—Leptospermoideæ—Leptospermeæ—Bæckeinaæ.

virgata Andr.—DC. iii. 229; *Fl. Austr.* iii. 81; *Lodd. B. C.* t. 341; *B. M.* t. 2127.—Victoria, N. Australia, New Caledonia.— $\mathfrak{h}$. September.

BALLOTA L.—*N. Pff.* iv. 3a. 259.—Labiataæ—Stachyoideæ—Lamiinæ.

acetabulosa Benth.—DC. xii. 517.—Greece.— $\mathcal{U}$ $\mathfrak{h}$. Summer.

pseudodictamnus Benth.—DC. xii. 517; *Fl. d'It.* n. 3144.—Crete.— $\mathcal{U}$ $\mathfrak{h}$. Summer.

rupestris Vis. *Fl. Dalm.* ii. 216; *Fl. d'It.* n. 3143.—Dalmatia.— $\mathcal{U}$. Summer.

‡ **BAMBUSA** Schreb.—*N. Pff.* ii. 2. 94.—Gramineæ—Bambuseæ.

Fortunei Van Houtte—*Fl. d. S.* t. 1535.—Japan.— $\mathfrak{h}$.

graminea Hort. = *Arundinaria Hindsii* var. *graminea*.

nana Roxb.—*Nich. Dict.* i. 156; *Satow, Bamb. Jap.* 74, with plate.—Japan, China.— $\mathfrak{h}$.

palmata Hort.—*Nich. Dict. Suppl.* 121; *Freem. Bamb. Gard.* t. 5; *Gard. Chron.* 1894, i. 169.—China, Japan.— $\mathfrak{h}$.

BAMBUSA (*continued*).

pygmæa Miq.—*Freem. Bamb. Gard.* 112.—Japan.— $\frac{1}{2}$.

quadrangularis Fenzi.—*Nich. Dict. Suppl.* 121; *Freem. Bamb. Gard.* 89.—China, Japan.— $\frac{1}{2}$.

verticillata Hort. Gall.— $\frac{1}{2}$.

viridis Hort. Gall.— $\frac{1}{2}$.

† **BANKSIA** *L. fil.*—*N. Pff.* iii. 1. 151.—Proteaceæ—Grevilloideæ—Banksiææ.

ericifolia *L.*—*DC.* xiv. 453; *Fl. Austr.* v. 547; *B. M.* t. 738. N. S. Wales.— $\frac{1}{2}$.

grandis Willd.—*DC.* xiv. 464; *Fl. Austr.* v. 552.—W. Australia.— $\frac{1}{2}$.

integrifolia *L.*—*DC.* xiv. 456; *Fl. Austr.* v. 554; *B. M.* t. 2770.—Queensland, N. S. Wales, Victoria.— $\frac{1}{2}$. April–June.

marcescens *R. Br.*—*DC.* xiv. 461; *Fl. Austr.* v. 560.—*B. M.* t. 2803.—W. Australia.— $\frac{1}{2}$. April–June.

BAPTISIA *Vent.*—*N. Pff.* iii. 3. 201.—Leguminosæ—Papilionatæ—Podalyrieæ.

australis *R. Br.*—*DC.* ii. 100; *B. M.* t. 509.—N. America.— $\frac{1}{2}$.

BARLERIA *L.*—*N. Pff.* iv. 3b. 313.—Acanthaceæ—Acanthoideæ—Barlerieæ.

cristata *L.*—*DC.* xi. 229.—*B. M.* t. 1615.—India, Burma.— $\frac{1}{2}$. September–October.

Barlia Parl. = *Orchis*.

BAROSMA *Willd.*—*N. Pff.* iii. 4. 148.—Rutaceæ—Rutoideæ—Diosmeæ—Diosminæ.

foetidissima *Barth. & Wendl.*—*Fl. Cap.* i. 398.—S. Africa.— $\frac{1}{2}$.

lanceolata *Sond.*—*Fl. Cap.* i. 397.—S. Africa.— $\frac{1}{2}$. April–May.

BAUHINIA *L.*—*N. Pff.* iii. 3. 147.—Leguminosæ—Cæsalpinoideæ—Bauhinieæ.

candicans *Benth.* in *Mast. Fl. Bras.* xv. ii. 201.—Brazil.— $\frac{1}{2}$.

Carronii *F. Müll.*—*Fl. Austr.* ii. 295.—Queensland, N. S. Wales.— $\frac{1}{2}$.

grandiflora *Juss.*—*DC.* ii. 513.—Peru.— $\frac{1}{2}$. August.

Hookeri *F. Müll.*—*Fl. Austr.* ii. 296.—N. Australia, N. S. Wales.— $\frac{1}{2}$.

BAUHINIA (*continued*).

purpurea L.—DC. ii. 515; *Fl. Brit. Ind.* ii. 284—India, China.—½. Summer.

Vahlii W. & Arn.—DC. ii. 515; *Fl. Brit. Ind.* ii. 279.—Himalaya.—½ §.

yunnanensis Franch.—B. M. t. 7814.—China.—½ §.

Beaucarnea Lem. = *Nolina*.

BEAUFORTIA R. Br.—N. Pff. iii. 7. 98.—Myrtaceæ—Leptospermoideæ—Leptospermeæ—Calothamninaæ.

decussata R. Br.—DC. iii. 211; *Fl. Austr.* iii. 166; B. M. t. 1733.—W. Australia.—½.

BEGONIA L.—N. Pff. iii. 6a. 135.—Begoniaceæ.

acerifolia H. B. K.—DC. xv. 1. 306.—Quito.—¼. Spring.

acuminata Dryand.—DC. xv. 1. 294; B. M. t. 4025.—Jamaica.—¼.

Dregei O. & D.—DC. xv. 1. 384; B. M. t. 3720.—S. Africa.—¼. Spring.

fuchsioides Hook.—B. M. t. 4281; DC. xv. 1. 291.—Mexico. ½. October–May.

gracilis H. B. K.—DC. xv. 1. 309; B. M. t. 2966.—Mexico.—¼. Summer.

heracleifolia Cham. & Schl.—DC. xv. 1. 335; B. M. t. 3444; *Gard. Chron.* 1899, ii. 249.—Mexico.—¼. Winter–spring.

hydrocotylifolia Otto.—DC. xv. 1. 344; B. M. t. 3968.—Mexico.—¼. October–May.

maculata Raddi.—DC. xv. 1. 318.—*B. argyrostigma* Fisch.—Brazil.—½. November–April.

manicata Cels.—DC. xv. 1. 341; *The Gard.* 1900, ii. 337.—Mexico.—¼. October–May.

metallica L. Sm. *Fl. Mag.* 1876, t. 197.—Mexico.—½. March–November.

Rex Putz.—DC. xvi. 1. 350; B. M. t. 6101.—India.—¼. All the year.

ricinifolia A. Dietr.—DC. xv. 1. 400.—Garden origin.—¼.

scabrida DC. fil.—DC. xv. 1. 367; B. M. t. 7347.—Venezuela. ¼. Summer.

Scharffii Hook. fil.—B. M. t. 7028.—S. Brazil.—¼. Summer.

Schmidtiana Regel. — *Nich. Dict.* i. 176.—Brazil.—¼. Summer.

semperflorens L. & Otto.—DC. xv. 1. 392; B. M. t. 2920; *Lodd. B. C.* t. 1439.—Brazil.—¼. All the year.

BEGONIA (*continued*).

socotrana Hook. f.—*B. M.* t. 6555.—Socotra.— $\mathcal{U}$.

weltoniensis Hort.—*Nich. Dict.* i. 177.—Garden origin.— $\mathcal{U}$.

BELAMCANDA *Adans.*—*N. Pff.* ii. 5. 150.—Iridaceæ—Iridoideæ—Sisyrinchieæ—Libertinæ.

chinensis Leman.—*Red. Lil.* t. 121; *Bak. Irid.* 117; *B. M.* t. 171; *Fl. d. S.* t. 1632.—*Pardanthus chinensis* Ker.—Cochin China, China, Japan.— $\mathcal{U}$. July–August.

Bellevalia Lapeyr. = *Hyacinthus*.

BELLIUM *L.*—*N. Pff.* iv. 5. 160.—Compositæ—Astereæ—Asterinæ.

bellidioides *L.*—*DC.* v. 303; *Fl. d'It.* n. 3512.—Sardinia, Corsica.— $\mathcal{U}$. May–July.

crassifolium *Moris*, *Fl. Sard.* t. 79; *DC.* v. 303; *Fl. d'It.* n. 3513.—Sardinia.— $\mathcal{U}$. May–June.

BENCOMIA *Webb.*—*N. Pff.* iii. 3. 46.—Rosaceæ—Rosoideæ—Sanguisorbeæ.

caudata *Webb.*—*Lowe, Man. Fl. Mad.* 240.—*Poterium caudatum* *Ait.*—*DC.* ii. 594; *B. M.* t. 2341.—Canaries, Madeira, — $\mathcal{U}$. March–April.

BENINCASA *Savi.*—*N. Pff.* iv. 5. 25.—Cucurbitaceæ—Cucurbitæ—Cucumerinæ.

cerifera *Savi.*—*DC.* iii. 303; *Fl. Brit. Ind.* ii. 617.—Tropical Asia and Africa.— $\odot$. Summer.

Benthamia fragifera *Lindl.* = *Cornus capitata* *Wall.*

BERBERIS *L.*—*N. Pff.* iii. 2. 77.—Berberidaceæ.

actinacantha *Mart.*—*Schneider, Hdb. Laubh.* i. 300.—Chili.— $\mathcal{U}$. March–April.

angulosa *Wall.*—*B. M.* t. 7071; *Schneider, Hdb. Laubh.* i. 309.—Himalaya.— $\mathcal{U}$. March–April.

Aquifolium *Pursh.* = *Mahonia aquifolium*.

aristata *DC.* i. 106; *B. M.* t. 2549; *Schneider, Hdb. Laubh.* i. 313.—Nepal.— $\mathcal{U}$. March–April.

asiatica *Roxb.*—*DC.* i. 107; *Fl. Brit. Ind.* i. 110; *Schneider, Hdb. Laubh.* i. 299.—India.— $\mathcal{U}$. April.

Bealei *Fort.* = *Mahonia Bealei*.

cretica *L.*—*DC.* i. 106; *Schneider, Hdb. Laubh.* i. 308.—Crete, Cyprus.— $\mathcal{U}$. March–April.

BERBERIS (*continued*).

Darwinii Hook.—*B. M.* t. 4590; *Schneider, Hdb. Laubh.* i. 300.—Chili.— $\frac{1}{2}$. March.

glauca DC. i. 106.—Argentina.— $\frac{1}{2}$. March–April.

globosa Benth. *Pl. Hartweg.* 158.—S. America.— $\frac{1}{2}$. March–April.

Guimpeli Koch & Bouché.—*Schneider, Hdb. Laubh.* i. 312, —N. America.— $\frac{1}{2}$.

ilicifolia Forst.—*DC.* i. 107; *B. M.* t. 4308; *Schneider, Hdb. Laubh.* i. 301.—S. Chili.— $\frac{1}{2}$. April.

Lycium Royle.—*Fl. Brit. Ind.* i. 110; *B. M.* t. 7075; *Schneider, Hdb. Laubh.* i. 306.—Himalaya.— $\frac{1}{2}$. Spring.

Neuberti Hort.—*Schneider, Hdb. Laubh.* i. 316.—Garden origin.— $\frac{1}{2}$. Spring.

sinensis Desf.—*DC.* i. 106; *B. M.* t. 6573; *Schneider, Hdb. Laubh.* i. 312.—China.— $\frac{1}{2}$. March–April.

stenophylla Hance in *Journ. Bot.* xx. 1882, 257.—China.— $\frac{1}{2}$. March–April.

Thunbergi DC. i. 106; *Schneider, Hdb. Laubh.* i. 310.—Japan.— $\frac{1}{2}$.

umbellata Wall.—*Fl. Brit. Ind.* i. 110; *B. M.* t. 2549.—Himalaya.— $\frac{1}{2}$. Spring.

virescens Hook. *fl. & Thoms.*—*B. M.* t. 7116; *Schneider, Hdb. Laubh.* i. 305.—Sikkim, Himalaya.— $\frac{1}{2}$. Spring.

vulgaris L.—*DC.* i. 105; *Fl. d'It.* n. 1641; *Schneider, Hdb. Laubh.* i. 315.—Europe, N. Asia.— $\frac{1}{2}$. Spring.

Wallichiana DC. i. 107; *B. M.* t. 4656; *Fl. Brit. Ind.* i. 110; *Schneider, Hdb. Laubh.* i. 304.—Himalaya.— $\frac{1}{2}$. Spring.

BERCHEMIA Neck.—*N. Pff.* iii. 5. 405.—Rhamnaceæ–Zizypheæ.
racemosa Sieb. & Zucc.—*Nich. Dict. Suppl.* 143; *Schneider, Hdb. Laubh.* ii. 262.—Japan, Formosa.— $\frac{1}{2}$ §.

BERGENIA Moench.—*N. Pff.* iii. 2 a. 51.—Saxifragaceæ–Saxifragoideæ–Saxifrageæ.

cordifolia R. Br.—*Saxifraga cordif.* DC. iv. 38.—Siberia.— $\frac{1}{2}$.

crassifolia Engler.—*N. Pff. l. c.*—*Saxifraga crassif.* DC. iv. 37; *B. M.* t. 196.—Altai Mountains.— $\frac{1}{2}$. January–April.

BERKHEYA Ehrh.—*N. Pff.* iv. 5. 311.—Compositæ–Arctotideæ–Gorterinæ.

grandiflora Willd.—*DC.* vi. 506; *Fl. Cap.* iii. 506; *B. M.* t. 1844.—S. Africa.— $\frac{1}{2}$. May–June.

BERKHEYA (*continued*).

membranifolia DC. vi. 518; *Fl. Cap.* iii. 492, sub *Stobæa*.—S. Africa.— γ . May–June.

purpurea DC. vi. 518; *Fl. Cap.* iii. 494, sub *Stobæa*.—S. Africa.— γ . June.

Radula De Wild. in Bossche, *Ic. Sel.* t. 52.—*Stobæa Radula* Harv. *Fl. Cap.* iii. 491.—S. Africa.— γ . June.

‡ **BESCHORNERIA** Kunth.—*N. Pff.* ii. 5. 119.—Amaryllidaceæ—Agavoideæ.

argyrophylla Hort.—Mexico?— γ . April–May.

Decosteriana Bak. *Am.* 162; *B. M.* t. 6768.—Mexico.— γ . April–May.

pubescens Berger in *Gard. Chron.* 1906, ii. 350. fig. 138.—Mexico?— γ . June.

superba Hort. *Mort.*—Bak. *Am.* 162.—Mexico?— γ . April–May.

tubiflora Kunth, *En.* v. 844; *B. M.* t. 4642; *Bak. Am.* 161.—Mexico.— γ . April–May.

yuccoides Hook. in *B. M.* t. 5203; *Bak. Am.* 162.—Mexico.— γ . April–May.

BETA L.—*N. Pff.* iii. 1a. 56.—Chenopodiaceæ—Cyclolobeæ—Beteæ.

trigyna Walldst. & Kit.—DC. xiii. 2. 55; *Fl. d'It.* n. 1005.—Hungary, Caucasus, Asia Minor.— γ . May–June.

vulgaris Moq.—DC. xiii. 2. 55; *Fl. d'It.* n. 1004.—S. Europe, Asia, Africa.— $\oplus$ γ . May–September.

„ var. **Cicla** Moq.—DC. l. c.; *Fl. d'It.* n. 1004 β .

„ var. **maritima** Moq.—DC. l. c.; *Fl. d'It.* n. 1004 δ .

BIARUM Schott.—*N. Pff.* ii. 3. 149.—Araceæ—Aroideæ—Areæ.

tenuifolium Schott.—Kunth, *En.* iii. 22; *B. M.* t. 2282; *Fl. d'It.* n. 533.—Southern Mediterranean region.— γ . Spring.

‡ **BIGNONIA** L.—*N. Pff.* iv. 3b. 226.—Bignoniaceæ—Bignoniææ.

buccinatoria Mairet = *Phædranthus buccinatorius*.

capreolata L. = *Doxantha capreolata*.

Lindleyi DC. ix. 147.—Argentina.— $\frac{1}{2}$ §.

purpurea Lodd. *B. C.* t. 5800.—Uruguay.— $\frac{1}{2}$ §.

Rodigasiana Hort. (*Lemoine*, 1095).— $\frac{1}{2}$ §.

speciosa Hook. = *Clytostoma callistegioides*.

squalus Vell. = *Pithectonium squalus*.

BIGNONIA (*continued*).

Tweedianae Lindl.—*DC.* ix. 146.—S. Brazil, Argentina— $\frac{1}{2}$ §.
May–June.

unguis L.—*DC.* ix. 146; *Lodd. B. C.* t. 1705.—Tropical
America.— $\frac{1}{2}$ §. May–June.

venusta Ker. = *Pyrostegia venusta*.

‡ **BILLBERGIA** *Thunb.*—*N. Pff.* ii. 4. 46.—Bromeliaceæ–Bromeliæ.

decora Poepp. & Endl.—*Bak. Brom.* 81; *B. M.* t. 6937.—
Peru.— $\frac{1}{4}$.

iridifolia Lindl.—*Bak. Brom.* 76.—S. Brazil.— $\frac{1}{4}$.

Leopoldi × *Morelli*.—Garden origin.— $\frac{1}{4}$.

Liboniana De Jonghe.—*Bak. Brom.* 74; *Fl. d. S.* t. 1048;
B. M. t. 5090.—Brazil.— $\frac{1}{4}$. June–July.

Lietzei E. Morr.—*Bak. Brom.* 76.—S. Brazil.— $\frac{1}{4}$.

nutans Wendl.—*Bak. Brom.* 75; *B. M.* t. 6423.—Brazil.—
 $\frac{1}{4}$. April.

pallens *Bak. Brom.* 75; *B. M.* t. 6342.—Brazil.— $\frac{1}{4}$.

pyramidalis Lindl.—*Bak. Brom.* 71; *B. M.* t. 1732.—S.
Brazil.— $\frac{1}{4}$.

speciosa *Thunb.*—*Bak. Brom.* 73; *Lodd. B. C.* t. 76.—Brazil.
— $\frac{1}{4}$.

thyrsoidea *Mart.*—*Bak. Brom.* 71; *B. M.* t. 4756.—S. Brazil.
— $\frac{1}{4}$.

vittata *Brong.*—*Bak. Brom.* 78.—S. Brazil.— $\frac{1}{4}$.

zebrina Lindl.—*Bak. Brom.* 80; *B. M.* t. 2686; *Lodd. B. C.*
t. 1912.—Brazil.— $\frac{1}{4}$.

BLECHNUM L.—*N. Pff.* i. 4. 245.—Polypodiaceæ–Aspleniæ–
Blechninæ.

brasiliense Desv.—*Hook. Syn. Fil.* 184.—Brazil, Peru.— $\frac{1}{2}$.

occidentale L.—*Hook. Syn. Fil.* 185.—Tropical America.—
 $\frac{1}{4}$.

BLETILLA *Rchb. fil.*—*N. Pff.* ii. 123.—Orchidaceæ–Monandraceæ–
Thuniinæ.

hyacinthina *Rchb. fil.*—*B. M.* t. 1492; *Lodd. B. C.* t. 1698.
—China, Japan.— $\frac{1}{4}$. April–May.

‡ **BOCCONIA** L.—*N. Pff.* iii. 2. 140.—Papaveraceæ–Papaveroideæ–
Chelidoniæ.

frutescens L.—*DC.* i. 121; *Lodd. B. C.* t. 83; *Fedde, Papav.*
(*R. V. C.*), 218.— $\frac{1}{2}$. April–May.

BŒHMERIA *Jacq.*—*N. Pff.* iii. 1. 111.—Urticaceæ—Bœhmeriææ.

macrophylla *Don.*—*DC.* xvi. 1. 209; *Fl. Brit. Ind.* v. 577.—Subtropical Himalaya.— $\frac{1}{2}$.

nivea *Hook. & Arn.*—*DC.* xvi. 1. 206; *Baill. Mon. Urt.* iii. fig. 541; *Schneider, Hdb. Laubh.* i. 246.—Tropical Asia.— $\frac{1}{2}$.

platyphylla *Don.*—*DC.* xvi. 1. 210; *Fl. Brit. Ind.* v. 578.—India.— $\frac{1}{2}$.

rugulosa *Wedd.*—*DC.* xvi. 1. 207; *Fl. Brit. Ind.* v. 577.—Tropical Asia.— $\frac{1}{2}$.

BONTIA *L.*—*N. Pff.* iv. 3b. 359.—Myoporaceæ.

daphnoides *L.*—*DC.* xi. 716; *Fl. West Ind.* 503.—W. Indies.— $\frac{1}{2}$.

BORONIA *Sm.*—*N. Pff.* iii. 4. 135.—Rutaceæ—Rutoideæ—Boroniæ—Boroniinæ.

elatior *Bartl.*—*Fl. Austr.* i. 316; *B. M.* t. 6285.—W. Australia.— $\frac{1}{2}$. March–April.

megastigma *Nees.*—*Fl. Austr.* i. 315; *B. M.* t. 6046.—W. Australia.— $\frac{1}{2}$. March–April.

pinnata *Sm.*—*DC.* i. 721; *Fl. Austr.* i. 318; *B. M.* t. 1763.—N. S. Wales.— $\frac{1}{2}$. March–April.

polygalæfolia *Sm.*—*DC.* i. 722; *Fl. Austr.* i. 320; *B. M.* t. 277.—Australia.— $\frac{1}{2}$. March–April.

BORRICHIA *Adans.*—*N. Pff.* iv. 5. 234.—Compositæ—Heliantheæ—Verbesininæ.

frutescens *DC.* v. 489.—Florida, Virginia, Mexico.— $\frac{1}{2}$. May–June.

BOSIA *L.*—*N. Pff.* iii. 1a. 101.—Amarantaceæ—Amarantoideæ—Amaranteæ.

Amherstiana *Hook.*—*DC.* xiii. 2. 323; *Fl. Brit. Ind.* iv. 716.—Himalaya.— $\frac{1}{2}$ §. May–June.

Yerva-Mora *L.*—*DC.* xiii. 2. 87.—Canaries.— $\frac{1}{2}$ §. May–June.

Boucerosia *W. & Arn.* = *Caralluma*.

‡ **BOUGAINVILLEA** *Comm.*—*N. Pff.* iii. 1b. 27.—Nyctaginaceæ—Mirabileæ—Bougainvilleæ.

glabra *Choisy.*—*DC.* xiii. 2. 437; *Gard. Chron.* 1898, i. 168, and 1903, ii. 353.—Brazil.— $\frac{1}{2}$ §. April–October.

„ var. **Sanderiana** *Hort.*—*Nich. Dict. Suppl.* 157.— $\frac{1}{2}$ §. April–October.

BOUGAINVILLEA (*continued*).

spectabilis Willd.—*DC.* xiii. 2. 437; *B. M.* t. 4810.—Brazil.

— $\frac{1}{2}$ §. April–July.

„ var. *lateritia* Hort.—*Nich. Dict. Suppl.* 158.—

$\frac{1}{2}$ §. April–July.

BOUSSINGAULTIA *H. B. K.*—*N. Pff.* iii. 1a. 127.—Basellaceæ.

baselloides *H. B. K.*—*DC.* xiii. 2. 228; *B. M.* t. 3620.—Ecu-

ador.— $\frac{1}{4}$ §. August.

BOUVARDIA *Salisb.*—*N. Pff.* iv. 4. 47.—Rubiaceæ–Cinchonoideæ–Cinchonææ.

Humboldtii Hort.—*Nich. Dict.* i. 207.—Mexico.— $\frac{1}{2}$.

Autumn–winter.

triphylla *Salisb.*—*DC.* iv. 365; *B. M.* t. 1854.—Mexico.— $\frac{1}{2}$.

Spring and summer.

BOWIEA *Harv.*—*N. Pff.* ii. 5. 38.—Liliaceæ–Asphodeloideæ–Asphodeleæ–Eriosperminæ.

volubilis *Harv.*—*Fl. Cap.* vi. 367; *B. M.* t. 5619.—S. Africa.

— $\frac{1}{4}$ §. April–June.

BOWKERIA *Harv.*—*N. Pff.* iv. 3b. 64.—Scrophulariaceæ–Antirrhinoideæ–Cheloneæ.

Gerrardiana *Harv.*—*Fl. Cap.* iv. 2. 220; *B. M.* t. 8021.—

B. triphylla Hort.—*Bossche, Ic. Sel.* t. 74; *Gard. Chron.*

1904, ii. 416.—Natal.— $\frac{1}{2}$. June–November.

‡**BRACHYCHITON** *Endl.*—*N. Pff.* iii. 6. 96.—Sterculiaceæ–Sterculiææ.

acerifolius *F. Müll.*—*Fl. Austr.* i. 229.—N. S. Wales.— $\frac{1}{2}$.

July.

Bidwilli Hook.—*Fl. Austr.* i. 228; *B. M.* t. 5133; *Fl. d. S.*

t. 1465.—Queensland.— $\frac{1}{2}$. June–August.

„ var. *planior*.— $\frac{1}{2}$. June–August.

luridus *F. Müll.*—*Fl. Austr.* i. 228.—N. S. Wales.— $\frac{1}{2}$.

populneus *R. Br.*—*Fl. Austr.* i. 229.—Queensland, N. S.

Wales, Victoria.— $\frac{1}{2}$. June–July.

„ var. *occidentalis* *Benth. l. c.*—W. Australia.—

$\frac{1}{2}$. June–July.

rupestris *K. Sch.*—*Fl. Austr.* i. 230.—Queensland.— $\frac{1}{2}$.

BRACHYSEMA *R. Br.*—*N. Pff.* iii. 3. 204.—Leguminosæ–Papilionatæ–Podalyrieæ.

lanceolatum *Meissn.*—*Fl. Austr.* ii. 10; *B. M.* t. 4652.—

W. Australia.— $\frac{1}{2}$. March–April.

BRAHEA Mart.—*N. Pff.* ii. 3. 86.—*Palmae-Coryphinæ-Sabaleæ*.
calcareæ Liebm.—Mexico.— $\frac{1}{2}$.
edulis Hort. = *Erythea edulis*.
nitida Hort.—*Nich. Dict. Suppl.* 159.—Mexico.— $\frac{1}{2}$.
Roezli Hort. = *Erythea armata*.

BRASSICA L. — *N. Pff.* iii. 2. 177.—*Cruciferæ-Sinapeæ-Brassicinæ*.
Botteri Vis. *Fl. Dalm.* iii. 135. t. 52.—*Dalmatia*.— $\oplus$ $\frac{1}{4}$.
 April-May.
insularis Morris, *Fl. Sard.* i. 168. t. 11.—*Sardinia*.— $\frac{1}{4}$ $\frac{1}{2}$.
 December-June.

BRAVOA Ll. & Lex. — *N. Pff.* ii. 5. 117.—*Amaryllidaceæ-Agavoideæ*.
geminiflora Ll. & Lex.—*Bak. Am.* 160; *B. M.* t. 4741.—*Mexico*.— $\frac{1}{4}$.

BRODIÆA Smith.—*N. Pff.* ii. 5. 57.—*Liliaceæ-Allioideæ-Alliæ*.
coccinea A. Gray.—*B. M.* t. 5857. — *California*. — $\frac{1}{4}$.
 April.
congesta Sm.—*Nich. Dict.* i. 213; *Gard. Chron.* 1896, ii. 213.—*California*.— $\frac{1}{4}$. April.
volubilis Baker.—*B. M.* t. 6123.—*California*.— $\frac{1}{4}$. April.

BROUSSONETIA Vent. — *N. Pff.* iii. 1. 76. — *Moraceæ-Moroideæ-Broussonetieæ*.
papyrifera Vent.—*DC.* xviii. 224; *Fl. d'It.* n. 914; *Brandis, Ind. Tr.* 613. fig. 189.—*China, Formosa, Japan*.— $\frac{1}{2}$. May-June.

BROWALLIA L.—*N. Pff.* iv. 3 b. 37.—*Solanaceæ-Salpiglossoideæ*.
elata L.—*DC.* x. 197; *B. M.* t. 34. 1136.—*W. Indies, Tropical America*.— $\odot$. March-May.
speciosa Hook.—*B. M.* t. 4339.—*Colombia*.— $\odot$ $\frac{1}{4}$. October-March.

BRUNFELSIA Sw.—*N. Pff.* iv. 3 b. 37.—*Solanaceæ-Salpiglossoideæ*.
calycina Benth.—*DC.* x. 199; *B. M.* t. 4583, 4790.—*Franciscea eximia* Scheidw.—*S. Brazil*.— $\frac{1}{2}$. April-June.

BRUNSVIGIA *Heister*.—*N. Pff.* ii. 5. 106.—Amaryllidaceæ—Amaryllidoideæ—Amaryllideæ.

Josephinæ *Gawl.*—*Bak. Am.* 97; *Fl. Cap.* vi. 205; *Red. Lil.* t. 370–372; *Gard. Chron.* 1905, i. 187.—S. Africa.—24. September.

BRYONIA *L.*—*N. Pff.* iv. 5. 25.—Cucurbitaceæ—Cucurbiteæ—Cucumerinæ.

alba *L.*—*DC.* iii. 307; *Fl. d' It.* n. 3390. Europe.—24 §. May–July.
dioica *Jacq.*—*DC.* iii. 307; *Fl. d' It.* n. 3392.—Central and South Europe.—24 §. May–July.

BRYONOPSIS *Arn.*—*N. Pff.* iv. 5. 28.—Cucurbitaceæ—Cucurbiteæ—Cucumerinæ.

laciniosa *Naud.*—*Fl. Trop. Afr.* ii. 556.—*Fl. Brit. Ind.* ii. 622; *Wight, Ic.* t. 500.—Trop. Africa, Trop. Asia, Trop. Australia.—☉. Summer.

BRYOPHYLLUM *Salisb.*—*N. Pff.* iii. 2a. 34.—Crassulaceæ.

calycinum *Salisb.*—*B. M.* t. 1409; *DC.* iii. 396.—Tropics.—24.
crenatum *Bak.*—*B. M.* t. 7856.—Madagascar.—24. December–January.

†**BUDDLEIA** *L.*—*N. Pff.* iv. 2. 46.—Loganiaceæ—Buddleioideæ.
americana *L.*—*DC.* x. 438.—Jamaica, Mexico.—½. March–May.

asiatica *Lour.*—*DC.* x. 446; *Fl. Brit. Ind.* iv. 82; *B. M.* t. 6323; *Gard. Chron.* 1906, i. 106.—India, Malaya.—½. December–January.

auriculata *Benth.*—*DC.* x. 445; *Fl. Cap.* iv. 1. 1047; *Bossche, Ic. Sel.* t. 20.—S. Africa.—½. October–February.

brasiliensis *Jacq.*—*DC.* x. 442; *B. M.* t. 2713.—Brazil.—½. September–October.

Colvillei *Hook. fl.*—*Ill. Him. Pl.* t. 18; *Fl. Brit. Ind.* iv. 81; *B. M.* t. 7449.—Himalaya.—½.

globosa *Hope.*—*DC.* x. 440; *B. M.* t. 174.—Peru, Chili.—½. April–June.

Lindleyana *Fortune.*—*DC.* x. 446; *Fl. d. S.* t. 9.—China.—½. May–July.

madagascariensis *Lam.*—*DC.* x. 447; *B. M.* t. 2824.—Madagascar, Mauritius.—½ §. March–April.

nivea *Duthie* in *Gard. Chron.* 1905, ii. 275, fig. 102.—China.—½. July.

salvifolia *Lam.*—*DC.* x. 444; *Fl. Cap.* iv. 1. 1046; *Jacq. H. Sch.* t. 28.—S. Africa.—½.

BUDDLEIA (*continued*).

variabilis Hemsl.—*Gard. Chron.* 1898, ii. 139; *B. M.* t. 7609.
China.— $\frac{1}{2}$. Spring-autumn.

BUETTNERIA *L.*—*N. Pff.* iii. 6. 83.—Sterculiaceæ—Büttneriæ—Büttnerinæ.

urticifolia *K. Schum.*—*N. Pff.* l.c.—Brazil.— $\frac{1}{2}$. Nearly always.

BULBINE *L.*—*N. Pff.* ii. 5. 33.—Liliaceæ—Asphodeloideæ—Asphodeleæ—Antherinæ.

caulescens *L.*—*Fl. Cap.* vi. 360.—S. Africa.— $\frac{1}{4}$ $\frac{1}{2}$. October-April.

longiscapa *Willd.*—*Kunth, En.* iv. 564; *Fl. Cap.* vi. 362.—*Red. Lil.* t. 423; *B. M.* t. 1339.—S. Africa.— $\frac{1}{4}$. March-June.

BUMELIA *Sw.*—*N. Pff.* iv. 1. 145.—Sapotaceæ—Palaquieæ—Sideroxylinæ.

lanuginosa *Pers.*—*DC.* viii. 190; *Schneider, Hdb. Laubh.* ii. 573.—N. America.— $\frac{1}{2}$.

lycioides *Pers.*—*DC.* viii. 189; *Schneider, Hdb. Laubh.* ii. 573.—N. America.— $\frac{1}{2}$. May.

tenax *Willd.*—*DC.* viii. 189.—N. America.— $\frac{1}{2}$.

BUPHTHALMUM *L.*—*N. Pff.* iv. 5. 209.—Compositæ—Inuleæ—Buphthalmiæ.

salicifolium *L.*—*DC.* v. 483; *Fl. d'It.* n. 3658.—S. Europe.— $\frac{1}{4}$. July.

speciosum *Schreb.*—*DC.* v. 485; *Fl. d'It.* n. 3656.—Europe, Caucasus, Asia Minor.— $\frac{1}{4}$. June-July.

BUPLEURUM *L.*—*N. Pff.* iii. 8. 180.—Umbelliferæ—Apioidæ—Ammiineæ—Carinæ.

dianthifolium *Guss.*—*Fl. d'It.* n. 2247; *Wolff, Umbell. (R. V. C.)*, 158.—Sicily, Balearic Islands.— $\frac{1}{2}$. May-June.

fruticosum *L.*—*DC.* iv. 133; *Fl. d'It.* n. 2249; *Wolff, Umbell. (R. V. C.)*, 168.—Mediterranean region.— $\frac{1}{2}$. May-July.

BURCHELLIA *R. Br.*—*N. Pff.* iv. 4. 74.—Rubiaceæ—Cinchonoideæ—Gardeniinæ.

capensis *R. Br.*—*DC.* iv. 367; *Fl. Cap.* iii. 3; *B. M.* t. 2339; *Lodd. B. C.* t. 664.—S. Africa.— $\frac{1}{2}$. February-May.

BURSARIA *Cav.*—*N. Pff.* iii. 2a. 112.—Pittosporaceæ—Pittosporæ.

spinosa *Cav.*—*DC.* i. 347; *Fl. Austr.* i. 115; *B. M.* t. 1767.—Australia, Tasmania.— $\frac{1}{2}$. June.

† **BUXUS** *L.*—*N. Pff.* iii. 5. 133.—Buxaceæ—Buxæ.

balearica *Lam.*—*DC.* xvi. 1. 18; *Fl. d'It.* n. 2628.—Balearic Islands, Sardinia.—½. March–April.

sempervirens *L.*—*DC.* xvi. 1. 19; *Fl. d'It.* n. 2627.—S. Europe.—½. March–April.

BYSTROPOGON *L'Hér.*—*N. Pff.* iv. 3a. 314.—Labiatae—Stachyoideæ—Thyminae.

organifolius *L'Hér.*—*DC.* xii. 185.—Canaries.—½. April–May.

CACCINIA *Savi.*—*N. Pff.* iv. 3a. 99.—Borraginaceæ—Borraginoideæ—Cynoglosseæ.

strigosa *Boiss.*—*Fl. Or.* iv. 278.—Persia.—¼. April.

CADIA *Forsk.*—*N. Pff.* iii. 3. 187.—Leguminosæ—Papilionatae—Sophoreæ.

varia *L'Hér.*—*DC.* ii. 486; *Fl. Trop. Afr.* ii. 255.—Arabia, Abyssinia.—½. March–May.

CÆSALPINIA *L.*—*N. Pff.* iii. 3. 173.—Leguminosæ—Cæsalpinoideæ—Eucæsalpinieæ.

Gilliesii *Wall.*—*B. M.* t. 4006.—Chili.—½. June–July.

mexicana *DC.* ii. 481.—Mexico.—½ §. April.

Minax *Hance* var. *burmanica.*—*Journ. Bot.* xxii. 1884, 365.—China, Burma.—½ §. July–August.

Nuga *Ait.*—*DC.* ii. 481; *Fl. Brit. Ind.* ii. 255; *Fl. Hongk.* 97.—E. Asia, Tropical Australia.—½ §.

sepiaria *Roxb.*—*Wight, Ic.* t. 37; *Fl. Brit. Ind.* ii. 256.—*Biancæa scandens* *Tod. H. B. Pan.* t. 1.—Tropical and subtropical Asia.—½ §. April.

tinctoria *Domb.*—*DC.* ii. 481.—Chili.—½. April–June.

vernalis *Champ.*—*Fl. Hongk.* 94; *B. M.* t. 8132.—Hongkong. ½ §.

CAJOPHORA *Presl.*—*N. Pff.* iii. 6a. 118.—Loasaceæ—Loasoideæ—Loaseæ.

lateritia *Klotzsch.*—*N. Pff. l. c.* 119, fig. 43.—*Loasa lateritia* *Hook.* in *B. M.* t. 3632.—Argentina.—☉. Summer–autumn.

CALANDRINIA *H. B. K.*—*N. Pff.* iii. 1 b. 56.—Portulacaceæ.

grandiflora *Lindl.*—*B. M.* t. 3369.—Chili.—⊕ ¼. March–June.

CALCEOLARIA *L.*—*N. Pff.* iv. 3 b. 55.—Scrophulariaceæ—Antirrhinoideæ—Calceolareæ.

Burbridgeana *Hort.*—*Nich. Dict.* i. 239; *Kränzlin (R. V. C.)*, 122.

—*C. Pavonii* × *fuchsiaefolia*.—Garden origin.— γ $\frac{1}{2}$. Spring.

scabiosifolia *Sims* in *B. M.* t. 2405; *DC.* x. 204; *Kränzlin (R. V. C.)*, 23.—Chili.— $\odot$. Spring and summer.

CALENDULA *L.*—*N. Pff.* iv. 5. 304.—Compositæ—Tubifloreæ—Calendulæ.

algarbiensis *Boiss.*—*Willk. & Lge. Fl. Hisp.* ii. 127.—Spain.— $\odot$. Spring.

fulgida *Raf.*—*DC.* vi. 454; *Fl. d'It.* iii. 298.—Sicily, &c.— $\odot$. Spring.

officinalis *L.*—*DC.* vi. 451; *B. M.* t. 3204.—Mediterranean region.— $\odot$. Spring.

suffruticosa *Vahl.*—*DC.* vi. 453; *Willk. & Lge. Fl. Hisp.* ii. 126.—Portugal, N. Africa.— γ $\frac{1}{2}$. Spring.

Calla æthiopica *L.* = *Richardia africana*.

CALLIANDRA *Benth.*—*N. Pff.* iii. 3. 107.—Leguminosæ—Mimosoideæ—Ingeæ.

brevipes *Benth.*—*B. M.* t. 4500; *Fl. d. S.* t. 549.—Brazil.— $\frac{1}{2}$. June–August.

portoricensis *Benth.*—*Bossche, Ic. Sel.* t. 172; *B. M.* t. 8129.—W. Indies.— $\frac{1}{2}$. Summer.

Tweedii *Benth.*—*B. M.* t. 4188.—*Inga pulcherrima* *Hort.*—*Fl. d. S.* t. 25.—Brazil.— $\frac{1}{2}$. Summer.

CALLICARPA *L.*—*N. Pff.* iv. 3 a. 165.—Verbenaceæ—Viticoideæ—Callicarpeæ.

cana *L.*—*DC.* xi. 643; *Fl. Austr.* v. 56.—*B. M.* t. 2107.—Queensland, N. Australia, Timor, Java.— $\frac{1}{2}$.

purpurea *Juss.*—*DC.* xi. 645; *Fl. d. S.* t. 1359; *Schneider, Hdb. Laubh.* ii. 591.—China, Japan.— $\frac{1}{2}$. May–June.

tomentosa *Willd.*—*DC.* xi. 647; *B. M.* t. 2107.—China.— $\frac{1}{2}$. June–July.

CALLICOMA *Andr.*—*N. Pff.* iii. 2 a. 102.—Cunoniaceæ.

serratifolia *Andr.*—*DC.* iv. 7; *Fl. Austr.* ii. 440; *B. M.* t. 1811; *Lodd. B. C.* t. 1167.—Australia.— $\frac{1}{2}$.

† **CALLISTEMON** *R. Br.*—*N. Pff.* iii. 7. 94.—Myrtaceæ—Leptospermoideæ—Leptospermeæ—Leptosperminæ.

brachyandrus *Lindl.*—*Fl. Austr.* iii. 122.—N. S. Wales, Victoria.— $\frac{1}{2}$. June–August.

CALLISTEMON (*continued*).

coccineus *F. Müll.*—*Fl. Austr.* iii. 120.—S. Australia.—½.
June–July.

lanceolatus *DC.* iii. 223; *Fl. Austr.* iii. 120; *B. M.* t. 260; *Lodd.*
B. C. t. 523, as *Metrosideros semperflorens*.—Queensland,
N. S. Wales, Victoria.—½. June–July.

linearis *DC.* iii. 223; *Fl. Austr.* iii. 122.—N. S. Wales.—½.
June–July.

phœniceus *Lincl.*—*Fl. Austr.* iii. 119.—W. Australia.—½.
June–July.

rigidus *R. Br.*—*DC.* iii. 223; *Fl. Austr.* iii. 121.—N. S. Wales.
—½. June–July.

salignus *DC.* iii. 223; *Fl. Austr.* iii. 120; *B. M.* t. 1821.—
S. E. Australia, Tasmania.—½. June–July.

speciosus *DC.* iii. 224; *Fl. Austr.* iii. 119; *B. M.* t. 1761;
Lodd. B. C. t. 285.—W. Australia.—½. June–July.

‡ **CALLITRIS** *Vent.*—*N. Pff.* ii. 1. 193.—Pinaceæ–Cupressoideæ–
Actinostrobinæ.

australis *R. Br.*—*Fl. Austr.* vi. 238.—Tasmania.—½.

cupressoides *Schrad.*—*DC.* xvi. 2. 443.—S. Africa.—½.

quadriavalvis *Vent.*—*DC.* xvi. 2. 452.—Atlas Mountains.—½.
April.

CALOCEPHALUS *R. Br.*—*N. Pff.* iv. 5. 194.—Compositæ–
Inuleæ–Angianthinæ.

Brownii *F. Müll.*—*Fl. Austr.* iii. 574.—*Leucophyta Brownii*
Cass. DC. vi. 152.—S. and W. Australia, Tasmania.—
¼ ½. June–September.

CALOCHORTUS *Pursh.*—*N. Pff.* ii. 5. 63.—Liliaceæ–Lilioideæ–
Tulipeæ.

venustus *Dougl.* — *Nich. Dict.* i. 245. — California. — ¼.
April–May.

‡ **CALODENDRON** *Thunb.*—*N. Pff.* iii. 4. 147.—Rutaceæ–
Rutoideæ–Diosmeæ–Calodendrinæ.

capense *Thunb.*—*DC.* i. 712; *Fl. Cap.* i. 371; *Gard. Chron.*
1905, i. 292. 304.—S. Africa.—½. June–July.

CALONYCTION *Choisy.*—*N. Pff.* iv. 3a. 26.—Convolvulaceæ–
Convolvuloideæ–Convolvuleæ.

speciosum *Choisy.*—*DC.* ix. 345; *Jacq. H. Sch.* t. 36;
B. M. t. 752.—Tropical America.—¼ §. June–August.

CALOTHAMNUS *Labill.*—*N. Pff.* iii. 7. 97.—Myrtaceæ—Leptospermoideæ—Leptospermeæ—Calothamninaæ.

quadrifidus *R. Br.*—*DC.* iii. 211; *Fl. Austr.* iii. 179; *B. M.* t. 1506; *Lodd. B. C.* t. 737.—W. Australia.— $\frac{1}{2}$. June–August.

CALPURNIA *E. Mey.*—*N. Pff.* iii. 3. 197.—Leguminosæ—Papilionatæ—Sophoreæ.

aurea *Bak.*—*Fl. Trop. Afr.* ii. 252; *B. M.* t. 2617.—Abysinia.

lasiogyne *E. Mey.*—*Fl. Cap.* ii. 267; *Wood, Nat. Pl.* t. 4.—Natal, Abyssinia.— $\frac{1}{2}$.

†**CALTHA** *L.*—*N. Pff.* iii. 2. 56.—Ranunculaceæ—Helleboreæ.

polypetala *Hochst.*—*Boiss. Fl. Or.* i. 59; *The Gard.* 1906, i. 269.—Asia Minor, Persia.— $\frac{1}{4}$. Spring.

CALYCANTHUS *L.*—*N. Pff.* iii. 2. 94.—Calycanthaceæ.

lævigatus *Willd.*—*DC.* iii. 2; *Nich. Dict.* 248.—*Butneria fertilis* v. *ferax* *Schneider, Hdb. Laubh.* i. 344.—Atlantic North America.— $\frac{1}{2}$.

occidentalis *Hook. & Arn.*—*B. M.* t. 4808.—*Butneria occ.* *Greene, Schneider, Hdb. Laubh.* i. 345.—California.— $\frac{1}{2}$. June–July.

CALYCOTOME *Link.*—*N. Pff.* iii. 3. 236.—Leguminosæ—Papilionatæ—Genisteæ—Spartiinaæ.

***spinosa** *Link.*—*DC.* ii. 152; *Bickn. Pl. Riv.* t. 11; *Fl. d'It.* n. 1905.—Western Mediterranean region.— $\frac{1}{2}$. April–May.

CAMELLIA *L.*—*N. Pff.* iii. 6. 183, sub *Thea*.—Theaceæ—Theeæ.

japonica *L.*—*DC.* i. 529; *B. M.* t. 42; *Sieb. & Zucc. Fl. Jap.* t. 82.—China, Japan.— $\frac{1}{2}$. December–May.

Sasanqua *Thunb.*—*DC.* i. 529; *Sieb. & Zucc. Fl. Jap.* t. 83; *B. M.* t. 5152.—China.— $\frac{1}{2}$.

CAMPANULA *L.*—*N. Pff.* iv. 5. 49.—Campanulaceæ—Campanuloideæ—Campanuleæ.

alliarifolia *Willd.*—*DC.* vii. 464; *B. M.* t. 912.—Caucasus, Asia Minor.— $\frac{1}{4}$. Spring.

collina *Bieb.*—*DC.* vii. 470; *B. M.* t. 927.—Caucasus.— $\frac{1}{4}$.

fragilis *Cyrill.*—*DC.* vii. 476; *B. M.* t. 6504; *Fl. d'It.* n. 3445.—S. Italy.— $\frac{1}{4}$. June–September.

Grossekii *Heuffel.*—*DC.* vii. 464.—Hungary.— $\frac{1}{4}$. Spring.

Hostii *Baumg.*—*DC.* vii. 470.—Europe.— $\frac{1}{4}$.

CAMPANULA (*continued*).

- isophylla** *Moretti*.—*DC.* vii. 476; *Moggr.* t. 80; *B. M.* t. 5745; *Bickn. Pl. Riv.* t. 36; *Fl. d'It.* n. 3444.—*Liguria*.— $\mathcal{U}$. July–October.
- istriaca** *Feer* in *Journ. Bot.* xxviii. 1890, 271.—*Istria*.— $\mathcal{U}$. April–May.
- lactiflora** *M. B.*—*DC.* vii. 477; *B. M.* t. 1973.—*Caucasus*.— $\mathcal{U}$. Spring.
- macrorrhiza** *Gay*.—*DC.* vii. 475; *Moggr.* t. 29; *Fl. d'It.* n. 3451 ϵ .—*Liguria*.— $\mathcal{U}$. Nearly always.
- Medium** *L.*—*DC.* vii. 460; *Fl. d'It.* n. 3420.—*S. Europe*.— $\oplus$. April–May.
- peregrina** *L.*—*DC.* vii. 478; *B. M.* t. 1257.—*Asia Minor, Syria*.— $\mathcal{U}$. Spring.
- phyctidocalyx** *Boiss. & Noe*.—*Boiss. Fl. Or.* iii. 936.—*Armenia*.— $\mathcal{U}$. April–July.
- Portenschlagiana** *Roem. & Schult.*—*DC.* vii. 476; *The Gard.* 1903, i. 110.—*Dalmatia*.— $\mathcal{U}$. Spring.
- punctata** *Lam.*—*DC.* vii. 465; *B. M.* t. 1723; *Gard. Chron.* 1907, ii. 96.—*Eastern Siberia*.— $\mathcal{U}$. June.
- pyramidalis** *L.*—*DC.* vii. 477; *Fl. d'It.* n. 3442.—*Adriatic Italy and Austria*.— $\mathcal{U}$. Spring.
- sarmatica** *Ker.*—*DC.* vii. 464; *Lodd. B. C.* t. 581; *B. M.* t. 2019.—*Caucasus*.— $\mathcal{U}$. Spring.
- *Trachelium** *L.*—*DC.* vii. 469; *Fl. d'It.* n. 3455.—*Europe, N. Asia, N. Africa*.— $\mathcal{U}$. Spring and autumn.
- Vidalii** *H. C. Wats.*—*B. M.* t. 4748; *Gard. Chron.* 1903, ii. 330–331.—*Azores*.— $\mathcal{U}$ $\frac{1}{2}$. April–July.
- Waldsteiniana** *Roem. & Schult.*—*DC.* vii. 472.—*Croatia*.— $\mathcal{U}$. Spring.

CAMPHOROSMA *L.*—*N. Pff.* iii. 1a. 68. — *Chenopodiaceæ*—*Cyclolobeæ*—*Camphorosmeæ*.

monspeliacum *L.*—*DC.* xiii. 2. 125; *Fl. d'It.* n. 1028.—*Mediterranean region*.— $\mathcal{U}$ $\frac{1}{2}$. July–October.

CAMPSIS *Lour.*—*N. Pff.* iv. 3b. 230.—*Bignoniaceæ*—*Tecomeæ*.

grandiflora *K. Sch.*—*Schneider, Hdb. Laubh.* ii. 623.—*Tecoma grdf.* *Del.* *DC.* ix. 223.—*Bignonia grdf.* *Thunb.* *B. M.* t. 1398.—*China, Japan*.— $\frac{1}{2}$ $\S$. June–July.

radicans *Seem.*—*Schneider, Hdb. Laubh.* ii. 623.—*Tecoma rad.* *Juss.* *DC.* ix. 223.—*Bignonia rad.* *L. B. M.* t. 485.—*Florida, Texas, &c.*— $\frac{1}{2}$ $\S$. July–October.

CAMPTOSEMA *Hook. & Arn.*—*N. Pff.* iii. 3. 369.—Leguminosæ—Papilionatæ—Phaseoleæ—Diocleinæ.

rubicundum *Hook. & Arn.*—*B. M.* t. 4608.—*Dioclea glycinoides* Hort.—Argentina, S. Brazil.—½ §. Spring.

‡ **CANARINA** *L.*—*N. Pff.* iv. 5. 55.—Campanulaceæ—Campanuloideæ—Campanuleæ.

Campanula *Lam.*—*DC.* vii. 422; *B. M.* t. 444.—Canaries.—¼ §. January–April.

CANAVALIA *DC.*—*N. Pff.* iii. 3. 369.—Leguminosæ—Papilionatæ—Phaseoleæ—Diocleinæ.

ensiformis *DC.* ii. 404; *Fl. Trop. Afr.* ii. 190; *B. M.* t. 4027.—Tropics.—⊙ §. September.

obtusifolia *DC.* ii. 404; *Fl. Trop. Afr.* ii. 190.—Tropics.—½ §.

Candollea cuneiformis Labill. = *Hibbertia cuneiformis*.

CANNA *L.*—*N. Pff.* ii. 6. 32.—Cannaceæ.

indica *L.*—*Fl. West Ind.* 603; *B. M.* t. 454; *Red. Lil.* t. 201; *Fl. d'It.* n. 798.—W. Indies.—¼. June–September.

iridiflora *Rz. & Pav.*—*B. M.* t. 1968.—Peru.—¼. Spring–autumn.

lutea *Mill.*—*Lodd. B. C.* t. 646; *B. M.* t. 2085.—Tropical America.—¼. Summer.

‡ **CANTUA** *Juss.*—*N. Pff.* iv. 3a. 45.—Polemoniaceæ—Cantueæ.

buxifolia *Lam.*—*DC.* ix. 321; *B. M.* t. 4582.—*C. dependens* Pers.—Peru.—½. April–May.

‡ **CAPPARIS** *L.*—*N. Pff.* iii. 2. 229.—Capparidaceæ—Capparidoideæ—Capparideæ.

spinosa *L.*—*DC.* i. 245; *B. M.* t. 291; *Fl. d'It.* n. 1307.—Mediterranean region; Orient; India.—½. June–September.

„ var. **rupestris** *Sibth. & Sm.*—*DC.* i. 245; *Fl. d'It.* n. 1307β.—Mediterranean region.—½. June–September.

CAPSICUM *L.*—*N. Pff.* iv. 3b. 20.—Solanaceæ—Solaneæ—Solaninæ.

annuum *L.*—*DC.* xiii. 1. 412; *Fl. d'It.* n. 2875.—Tropical America.—⊙. Summer.

CARAGANA Lam.—*N. Pff.* iii. 3. 283.—Leguminosæ—Papilionatæ—Galegeæ—Astragalinaæ.

microphylla DC. ii. 268; *Schneider, Hdb. Laubh.* ii. 97.—Siberia.—½.

‡ **CARALLUMA** L.—*N. Pff.* iv. 2. 277.—Asclepiadaceæ—Stapeliæ.

commutata Berger, *Stap. & Kl.* 105, fig. 23.—S. Arabia?—¼. September–October.

crenulata Wall.—DC. viii. 648; *Gard. Chron.* 1904, i. 19, fig. 9; Berger, *Stap. & Kl.* 89.—India.—¼. August.

dependens N. E. Br.—*Fl. Cap.* iv. 1. 878; Berger, *Stap. & Kl.* 120.—S. Africa.—¼. August–November.

europæa N. E. Br.—Berger, *Stap. & Kl.* 92.—DC. viii. 649; B. M. t. 5087; *Fl. d'It.* n. 2744.—Southern Mediterranean region.—¼. Summer–autumn.

„ var. **affinis** Berger, *Stap. & Kl.* 97.—Bossche, *Ic. Sel.* t. 167.—Morocco?

„ var. **Simonis** Berger, *Stap. & Kl.* 95.—Tunis, Tripoli.

Lugardi N. E. Br.—*Fl. Trop. Afr.* iv. 1. 487; Berger, *Stap. & Kl.* 113, fig. 26.—Tropical W. Africa.—¼. August–November.

lutea N. E. Br.—*Fl. Cap.* iv. 1. 885; Berger, *Stap. & Kl.* 84.—S. Africa.—¼.

Marlothii N. E. Br.—*Fl. Cap.* iv. 886; Berger, *Stap. & Kl.* 122.—S. Africa.—¼.

Munbyana N. E. Br.—*Gard. Chron.* 1904, i. 84, fig. 39; Berger, *Stap. & Kl.* 99.—Algiers.—¼. September–November.

Nebrownii Dinter & Berger.—B. M. t. 8267; Berger, *Stap. & Kl.* 85, with figure.—German S.W. Africa.—¼. August–October.

Sprengeri N. E. Br.—*Fl. Trop. Afr.* iv. 1. 484; Berger, *Stap. & Kl.* 102, fig. 22.—Eritrea, Abyssinia.—¼. Summer–autumn.

CARDIOSPERMUM L.—*N. Pff.* iii. 5. 306.—Sapindaceæ—Paullineæ.

Halicacabum L.—DC. i. 601; *Fl. Brit. Ind.* i. 670; Wight, *Ic.* t. 508; B. M. t. 1049.—Most tropical and subtropical countries.—☉. Summer.

hirsutum Willd.—DC. i. 602; Bossche, *Ic. Sel.* t. 61.—W. Africa.—½ §. Summer–autumn.

CARDUNCELLUS *Juss.*—*N. Pff.* iv. 5. 332.—Compositæ—Cynareæ—Centaureinæ.

cæruleus *Less.*—*DC.* vi. 615.—Spain, Algiers, Corsica.— $\mathcal{U}$. June–July.

CAREX *L.*—*N. Pff.* ii. 2. 122. —Cyperaceæ—Caricoideæ—Cariceæ.

extensa *Good.*—*Gren. & Godr. Fl. Fr.* iii. 426; *Fl. d'It.* n. 506.—Europe, Asia Minor, N. Africa.— $\mathcal{U}$. June–July.

japonica *Hort.* = *Morrowii*.

Morrowii *Boott.*—*Küickenth. Cyper. Caric. (R. V. C.)*, 626.—Japan.— $\mathcal{U}$.

muricata *L.*—*Gren. & Godr. Fl. Fr.* iii. 394; *Fl. d'It.* n. 460.—Europe, Asia, America.— $\mathcal{U}$. May–June.

nana *Boott.*—*Küickenth. Cyper. Caric. (R. V. C.)*, 103.—Japan.— $\mathcal{U}$.

‡**CARICA** *L.*—*N. Pff.* iii. 6a. 98.—Caricaceæ.

candamarcensis *Hook. fil.* in *B. M.* t. 6198.—Ecuador.— $\mathfrak{h}$. June–July.

hastata *Hort.*—Trop. America.— $\mathfrak{h}$. June–July.

quercifolia *St. Hil.*—*N. Pff.* l. c.—S. America.— $\mathfrak{h}$. June–July.

CARISSA *L.*—*N. Pff.* iv. 2. 216, as *Arduina*.—Apocynaceæ—Plumierioideæ—Arduinæ.

Arduina *Lam.*—*DC.* viii. 334; *Fl. Trop. Afr.* iv. 1. 91; *Fl. Cap.* iv. 1. 498; *Lodd. B. C.* t. 387, as *Arduina bispinosa* *L.*—S. and British Central Africa.— $\mathfrak{h}$.

edulis *Vahl* var. *tomentosa* *Stapf*, *Fl. Trop. Afr.* iv. 1. 90; *Fl. Cap.* iv. 1. 497.—From Transvaal to Damaraland and Eritrea.— $\mathfrak{h}$. June–July.

grandiflora *DC. fil.* viii. 335; *Fl. Cap.* iv. 1. 497; *Ref. Bot.* 300; *B. M.* t. 6307; *Wood, Natal Pl.* i. 14, t. 14.—S. Africa.— $\mathfrak{h}$.

CARLINA *L.*—*N. Pff.* iv. 5. 316.—Compositæ—Cynareæ—Carlininæ.

acanthifolia *All.*—*DC.* vi. 545; *Fl. d'It.* n. 3689.—Mediterranean region.— $\oplus$. Summer.

sicula *Ten.*—*DC.* vi. 546; *Fl. d'It.* n. 3693.—Sicily.— $\mathcal{U}$. Summer.

CARMICHÆLIA *R. Br.*—*N. Pff.* iii. 3. 278.—Leguminosæ—Papilionatæ—Galegeæ—Robiniinæ.

australis *R. Br.*—*Hdb. Fl. N. Zeald.* 50; *Lodd. B. C.* t. 1061; *Bossche, Ic. Sel.* t. 13.—New Zealand.— $\frac{1}{2}$. May–June.

Enysii *T. Kirk.*—*Nich. Dict. Gard. Suppl.* 195.—New Zealand.— $\frac{1}{2}$.

flagelliformis *Col.*—*Hdb. Fl. N. Zeald.* 50.—New Zealand.— $\frac{1}{2}$. May–June.

odorata *Col.*—*Hdb. Fl. N. Zeald.* 50.—New Zealand.— $\frac{1}{2}$.

CARPENTERIA *Torr.*—*N. Pff.* iii. 2a. 69.—Saxifragaceæ—Hydrangeoideæ—Philadelphæ.

californica *Torr.*—*B. M.* t. 6911; *Gard. Chron.* 1908, ii. 112. California.— $\frac{1}{2}$. June.

CARPODETUS *Forst.*—*N. Pff.* iii. 2a. 87.—Saxifragaceæ—Escallonioideæ.

serratus *Forst.*—*Hdb. Fl. N. Zeald.* 59.—New Zealand.— $\frac{1}{2}$.

CARTHAMUS *L.*—*N. Pff.* iv. 5. 332.—Compositæ—Cynareæ—Centaureinæ.

lanatus *L.*—*DC.* vi. 610; *B. M.* t. 2142; *Fl. d'It.* n. 3752.—S. Europe, Orient.— $\odot \oplus$. Summer.

leucocaulos *Sibth. & Sm.*—*DC.* vi. 610; *Hal. Consp. Fl. Gr.* ii. 168.—Greece.— $\odot$. Summer.

CARYOPTERIS *Bunge.*—*N. Pff.* iv. 3a. 178.—Verbenaceæ—Caryopteridoideæ.

Mastacanthus *Schau.*—*DC.* xi. 625; *B. M.* t. 6799.—China.
 $\frac{1}{2}$. September–October.

†**CASIMIROA** *Ll. & Lex.*—*N. Pff.* iii. 4. 178.—Rutaceæ—Toddalioideæ—Toddalieæ.

edulis *Ll. & Lex.*—*Seem. Her.* t. 5152; *Gard. Chron.* 1893, ii. 393.—Mexico.— $\frac{1}{2}$. April.

CASSIA *L.*—*N. Pff.* iii. 3. 157.—Leguminosæ—Cæsalpinioideæ—Cassieæ.

artemisioides *Gaud.*—*DC.* ii. 495; *Fl. Austr.* ii. 288.—Australia.— $\frac{1}{2}$. March–April.

australis *Sims* in *B. M.* t. 2676; *Fl. Austr.* ii. 285.—E. Australia.— $\frac{1}{2}$. October–spring.

bicapsularis *L.*—*DC.* ii. 494; *Wildem.* in *Bossche, Ic. Sel.* sub t. 183.—Tropical America.— $\frac{1}{2}$. September–October.

CASSIA (*continued*).

coquimbensis *Vog.*—*B. M.* t. 7002.—Chili.— $\frac{1}{2}$. September–November.

corymbosa *Lam.*—*DC.* ii. 491; *B. M.* t. 633.—Tropical America.— $\frac{1}{2}$. June–September.

lævigata *Willd.*—*DC.* ii. 491.—Tropical America.— $\frac{1}{2}$. July–September.

occidentalis *L.*—*DC.* ii. 497; *Fl. Brit. Ind.* ii. 262.—Tropics.— $\frac{1}{2}$. September–October.

pilifera *Vogel.*—*N. Pff.* l. c. 159.—Uruguay to Central America.— $\frac{1}{2}$. September–January.

tomentosa *L.*—*DC.* ii. 496; *Fl. Brit. Ind.* ii. 263.—Tropical America.— $\frac{1}{2}$. September–January.

CASSINIA *R. Br.*—*N. Pff.* iv. 5. 188.—Compositæ–Inuleæ–Gnaphalinæ.

leptophylla *R. Br.*—*DC.* vi. 155; *Hdb. Fl. N. Zeal.* 145.—New Zealand.— $\frac{1}{2}$.

longifolia *R. Br.*—*DC.* vi. 156; *Fl. Austr.* iii. 586.—N. S. Wales, Victoria.— $\frac{1}{2}$.

Theodorei *F. M.*—*Fl. Austr.* iii. 588.—N. S. Wales.— $\frac{1}{2}$.

‡ **CASTANOSPERMUM** *A. Cunn.*—*N. Pff.* iii. 3. 195.—Leguminosæ–Papilionatæ–Sophoreæ.

australe *A. Cunn.*—*Fl. Austr.* ii. 275; *Gard. Chron.* 1905, ii. 244.—Queensland, N. S. Wales.— $\frac{1}{2}$.

‡ **CASUARINA** *L.*—*N. Pff.* iii. 1. 18.—Casuarinaceæ.

Cunninghamiana *Miq.*—*DC.* xvi. 2. 335; *Fl. Austr.* vi. 198.—Queensland, N. S. Wales.— $\frac{1}{2}$. November–December.

equisetifolia *Forst.*—*DC.* xvi. 2. 338; *Fl. Austr.* vi. 197.—India to Australia.— $\frac{1}{2}$.

glauca *Sieber.*—*DC.* xvi. 2. 334; *Fl. Austr.* vi. 196.—Eastern Australia.— $\frac{1}{2}$. November–December.

stricta *Ait.*—*DC.* xvi. 2. 336; *Fl. Austr.* vi. 195.—*C. quadrivalvis* *Labill.*—Eastern Australia, Tasmania.— $\frac{1}{2}$. February.

suberosa *Otto & Dietr.*—*DC.* xvi. 2. 337; *Fl. Austr.* vi. 197.—Eastern Australia.— $\frac{1}{2}$. November–December.

torulosa *Ait.*—*DC.* xvi. 2. 341; *Fl. Austr.* vi. 200.—Eastern Australia.— $\frac{1}{2}$.

CATALPA *Juss.*—*N. Pff.* iv. 3 b. 234.—Bignoniaceæ–Tecomeæ.

Fargesii *Bureau.*—*Schneider, Hdb. Laubh.* ii. 627.—China (*Wilson*, n. 636).— $\frac{1}{2}$.

CATALPA (*continued*).

Kaempferi Thunb.—*DC.* ix. 226; *B. M.* t. 6611.—Japan.—
 ♀. May–June.

sutchuensis Dode.—*Schneider, Hdb. Laubh.* ii. 627.—China
 (Wilson, n. 640).—♀.

‡ **CATHA** Forsk.—*N. Pff.* iii. 5. 208.—Celastraceæ–Celastroideæ–
 Eucelastreæ.

edulis Forsk.—*DC.* ii. 6; *Fl. Trop. Afr.* i. 365.—Arabia,
 Abyssinia.—♀. December–January.

‡ **CATTLEYA** Lindl.—*N. Pff.* ii. 6. 146.—Orchidaceæ–Mon-
 andræ–Læliinæ–Cattleyeæ.

citrina Lindl.—*B. M.* t. 3742.—Mexico.—♀. June.

CEANOTHUS L.—*N. Pff.* iii. 5. 412.—Rhamnaceæ–Rhamneæ.
africanus L. = *Noltea africana*.

americanus L.—*DC.* ii. 31; *B. M.* t. 1479.—N. America.—
 ♀. April–June.

azureus Desf.—*DC.* ii. 31; *Schneider, Hdb. Laubh.* ii. 295.—
 N. America.—♀. June–July.

CEDRELA R. Br.—*N. Pff.* iii. 4. 267.—Meliaceæ–Cedreloideæ–
 Cedreleæ.

Dugesii S. Wats.—*Proc. Am. Acad.* xviii. 1883, 190.—
 Mexico.—♀.

odorata L.—*DC.* i. 264; *Fl. West Ind.* 131.—W. Indies,
 S. America.—♀.

sinensis Juss. = *Toona sinensis*.

Toona Roxb. = *Toona ciliata*.

CEDRONELLA Moench. — *N. Pff.* iv. 3 a. 235.—Labiatae–
 Stachyoideæ–Nepeteæ.

canariensis Willd.—*DC.* xii. 406, as *C. triphylla* Moench.—
 Canaries, Madeira.—♀.

‡ **CEDRUS** Loud.—*N. Pff.* ii. 74.—Pinaceæ–Abietinæ.

atlantica Manetti.—*DC.* xvi. 2. 408; *Veitch, Man. Con.* 134.
 —Atlas Mountains.—♀. April.

Deodara Loud.—*DC.* xvi. 2. 408; *Veitch, Man. Con.* 134;
Brandis, For. Fl. Ind. 516.—Himalayan Mountains.—♀.
 April.

Libani Barrel.—*DC.* xvi. 2. 407; *Veitch, Man. Con.* 137.—
 Asia Minor, Lebanon.—♀. April.

CELASTRUS *L.*—*N. Pff.* iii. 5. 205.—Celastraceæ—Celaströideæ—Eucelastreæ.

arbutifolius *Hochst.*—*Fl. Trop. Afr.* i. 363.—Abyssinia.— $\frac{1}{2}$.

articulatus *Thunb.*—*DC.* ii. 7; *B. M.* t. 7599.—Japan.— $\frac{1}{2}$ §.
buxifolius *L.* = *Gymnosporia buxifolia*.

mollis *Decne.* in *Rev. Hort.* Ser. 2. iv. (1845–46) 425.—Native land unknown.— $\frac{1}{2}$.

orbiculatus *Lam.* = *articulatus*.

punctatus *Thunb.*—*DC.* ii. 6: *Schneider, Hdb. Laubh.* ii. 184.—Japan, China.— $\frac{1}{2}$ §. April–May.

serratus *Hochst.* = *Gymnosporia serrata*.

stylosus *Wall.*—*Fl. Brit. Ind.* i. 618; *N. Pff.* l. c. 205.—Himalaya.— $\frac{1}{2}$ §. April.

CELOSIA *L.*—*N. Pff.* iii. 1a. 99.—Amarantaceæ—Amarantoideæ—Celosieæ.

cristata *L.*—*DC.* xiii. 2. 242; *Fl. d'It.* n. 1056.—Trop. Asia, Africa, America.—☉. Autumn.

pyramidalis *Hort.*—*Nich. Dict.* 289.—India?—☉. Autumn.

CELSIA *L.*—*N. Pff.* iv. 3b. 52.—Scrophulariaceæ—Pseudosolaneæ—Verbasceæ.

Arcturus *Murr.*—*DC.* x. 245; *B. M.* t. 1962.—Creta, Asia Minor.—⊕. May.

CELTIS *L.*—*N. Pff.* iii. 1. 63.—Ulmaceæ—Celtidoideæ.

Audibertiana *Spach.*—*DC.* xvii. 175.—Origin unknown.— $\frac{1}{2}$. April.

australis *L.*—*DC.* xvii. 169; *Fl. d'It.* n. 912; *Schneider, Hdb. Laubh.* i. 231.—Mediterranean region, Orient.— $\frac{1}{2}$. April.

sinensis *Persoon.*—*DC.* xvii. 172; *Schneider, Hdb. Laubh.* i. 229.—China, Japan.— $\frac{1}{2}$.

Tala *Gillies.*—*DC.* xvii. 190.—America.— $\frac{1}{2}$.

CENTAUREA *L.*—*N. Pff.* iv. 5. 326.—Compositæ—Cynareæ—Centaureinæ.

alba *L.* var. *deusta* *Ten.*—*DC.* vi. 569; *Fl. d'It.* n. 3718δ.—S. Europe.— $\frac{1}{4}$. May.

argentea *L.*—*DC.* vi. 582.—Istria, Crete.— $\frac{1}{4}$.

babylonica *L.*—*DC.* vi. 567; *Boiss. Fl. Or.* iii. 681.—Palæstina, Central Asia.— $\frac{1}{4}$. May–July.

canariensis *Brouss.*—*DC.* vi. 577.—Teneriffe.— $\frac{1}{4}$ $\frac{1}{2}$. June–July.

CENTAUREA (*continued*).

Cineraria *L.*—*DC.* vi. 580; *Fl. d'It.* n. 3730.—Mediterranean region.— $\mathcal{U}$. May-July.

Clementei *Boiss.*—*W. & L. Fl. Hisp.* ii. 150.—Spain.— $\mathcal{U}$. June.

collina *L.*—*DC.* vi. 588; *Fl. d'It.* n. 3737.—Mediterranean region, Orient.— $\mathcal{U}$. June-July.

conifera *L.*—*Fl. d'It.* n. 3717.—*DC.* vi. 606 (*Leuzea*).—Mediterranean region.— $\mathcal{U}$. June-July.

crassifolia *Bertol.*—*DC.* vi. 601; *Fl. d'It.* n. 3743.—Malta.— $\mathcal{U}$ $\frac{1}{2}$. May-August.

Cyanus *L.*—*DC.* vi. 578; *Fl. d'It.* n. 3726.—Europe, Caucasus.— $\odot$.

cynaroides *Link.*—*DC.* vi. 664.—Canaries.— $\mathcal{U}$.

ferox *Desf.*—*DC.* vi. 598.—N. Africa.— $\mathcal{U}$.

Fontanesii *Spach.*—*Duch. Rev. Bot.* ii. 1847, 429.—Algeria.— $\mathcal{U}$.

glastifolia *L.*—*DC.* vi. 568; *B. M.* t. 62.—Asia Minor, Caucasus, Siberia.— $\mathcal{U}$. May-June.

intybacea *Lam.*—*DC.* vi. 577.—Spain, S. France.— $\mathcal{U}$.

montana *L.*—*DC.* vi. 578; *B. M.* t. 77; *Fl. d'It.* n. 3727.—Central and S. Europe.— $\mathcal{U}$. May.

„ var. **albida** *DC. l. c.* 579.—Orient.— $\mathcal{U}$. May.

pannosa *DC.* vi. 582.—Greece.— $\mathcal{U}$.

Parlatoris *Heldr.*—*Fl. d'It.* n. 3731 λ .—Italy, Greece.— $\mathcal{U}$. June-July.

pullata *L.*—*DC.* vi. 577.—Mediterranean region.— $\mathcal{U}$.

ragusina *L.*—*DC.* vi. 589; *B. M.* t. 494.—Dalmatia, Creta.— $\mathcal{U}$. May-July.

repens *L.*—*DC.* vi. 663, sub *Acroptilon*.—S. Russia, Asia Minor, Afghanistan.— $\mathcal{U}$. May-July.

rutifolia *Sibth.*—*DC.* vi. 602.—Turkey.— $\mathcal{U}$. May-June.

salmantica *L.*—*DC.* vi. 563; *Fl. d'It.* n. 3715.—Europe, N. Africa.— $\mathcal{U}$. May-July.

salonitana *Vis. Fl. Dalm.* ii. 35.—Dalmatia.— $\mathcal{U}$. June.

Scabiosa *L.*—*DC.* vi. 580; *Fl. d'It.* n. 3734.—Europe.— $\mathcal{U}$. May-July.

sempervirens *L.*—*DC.* vi. 577; *Fl. d'It.* n. 3725.—Western Mediterranean region.— $\mathcal{U}$. May-June.

sphærocephala *L.*—*DC.* vi. 599; *B. M.* t. 2551; *Fl. d'It.* n. 3749.—S. Europe.— $\mathcal{U}$. May-July.

sterilis *Stev.*—*Boiss. Fl. Or.* iii. 622.—Tauria.— $\mathcal{U}$.

CENTRANTHUS DC.—*N. Pff.* iv. 4. 181.—Valerianaceæ.

Calcitrapa *Dufr.*—DC. iv. 632; *Fl. d'It.* n. 3340.—S. Europe.
—☉.

***ruber** DC. iv. 632; *Fl. d'It.* n. 3337.—S. Europe, Mediterranean region.— $\mathcal{U}$. April–October.

CEPHALARIA *Schrad.*—*N. Pff.* iv. 4. 118.—Dipsacæ.

leucantha *Schrad.*—DC. iv. 648; *Fl. d'It.* n. 3366.—S. W. Europe.— $\mathcal{U}$. June–July.

CEPHALOCEREUS *Pfeiff.*—*N. Pff.* iii. 6a. 181.—Cactaceæ–Cereoideæ–Echinocactææ.

chrysomallus *K. Schum. Mon.* 200.—Mexico.— $\frac{1}{2}$.

senilis *Pfeiff.*—*K. Schum. Mon.* 201.—Mexico.— $\frac{1}{2}$.

CEPHALOTAXUS *Sieb. & Zucc.*—*N. Pff.* ii. 1. 109.—Taxaceæ–Taxoideæ–Cephalotaxeæ.

drupacea *Sieb. & Zucc. Fl. Jap.* ii. t. 130; DC. xvi. 2. 504; *Pilger, Tax. (R. V. C.)*, 100, fig. 19; *B. M.* t. 8285.—Japan, China.— $\frac{1}{2}$.

CERASTIUM *L.*—*N. Pff.* iii. 1b. 80.—Caryophyllaceæ–Alsinoideæ–Alsineæ.

Biebersteinii DC. i. 418; *B. M.* t. 2782; *The Garden*, 1901, i. 470.—Asia Minor.— $\mathcal{U}$. May.

tomentosum *L.*—DC. i. 418; *Fl. d'It.* n. 1146.—S. France, Italy.— $\mathcal{U}$. May–July.

Cerasus *Tourn.* = *Prunus*.

‡**CERATONIA** *L.*—*N. Pff.* iii. 3. 154.—Leguminosæ–Cæsalpinioidæ–Cassieæ.

Siliqua *L.*—DC. ii. 486; *Fl. d'It.* n. 1859.—S. Europe, Orient.— $\frac{1}{2}$. September–October.

CERATOSTIGMA *Bunge.*—*N. Pff.* iv. 1. 122.—Plumbaginaceæ–Plumbagineæ.

plumbaginoides *Bunge.*—*N. Pff. l. c.*; *Nich. Dict. Suppl.* 214.—*Plumbago Larpentæ* *Lindl. Fl. d. S.* t. 307; *B. M.* t. 4487, as *Valoradia plumbaginoides*.—N. China.— $\mathcal{U}$. April.

CERATOZAMIA *Brongn.*—*N. Pff.* ii. 1. 23.—Cycadaceæ–Zamieæ.

Kuesteriana *Regel.*—DC. xvi. 2. 546.—Mexico.— $\frac{1}{2}$.

mexicana *Brongn.*—DC. xvi. 2. 546.—Mexico.— $\frac{1}{2}$.

- † **CERBERA** *L.*—*N. Pff.* iv. 2. 158.—Apocynaceæ—Plumierioideæ—Plumiereæ—Cerberinæ.
lactaria *Ham.*—*DC.* viii. 353; *B. M.* t. 1845.—India.— $\frac{1}{2}$.
- † **CERCIS** *L.*—*N. Pff.* iii. 3. 146.—Leguminosæ—Cæsalpinioidæ—Bauhinieæ.
chinensis *Bunge.*—*Schneider, Hdb. Laubh.* ii. 5.—China.— $\frac{1}{2}$.
Siliquastrum *L.*—*DC.* ii. 518; *B. M.* t. 1138; *Fl. d' It.* n. 1860.
 —Europe, Orient.— $\frac{1}{2}$. April–May.
- † **CEREUS** *Mill.*—*N. Pff.* iii. 6a. 176.—Cactaceæ—Cereoideæ—Echinocactææ.
acidus *K. Schum. Mon. Nachtr.* 22.—Chili.— $\frac{1}{2}$
alacriportanus *Hort.*—*Pfeiff. En.* 87.—S. America.— $\frac{1}{2}$.
alopecuroides *Web.*—S. America ?.— $\frac{1}{2}$.
ambiguus *Bonpl.*—*DC.* iii. 467.—Mexico.— $\frac{1}{2}$. June–August.
amecaensis *Heese.*—*K. Schum. Mon.* 154; *B. M.* t. 8277.
 —Mexico.— $\frac{1}{2}$.
andalgalensis *Web.*—*K. Schum. Mon.* 168.—Argentina.— $\frac{1}{2}$.
areolatus *Mühlenpf.*—*K. Schum. Mon.* 100.—S. America.— $\frac{1}{2}$.
azureus *Parm.*—*K. Schum. Mon.* 118.—Brazil.— $\frac{1}{2}$. June–July.
Baumannii *Lem.*—*K. Schum. Mon.* 133.—Uruguay, Paraguay.— $\frac{1}{2}$. Summer.
bavosus *Web.*—*K. Schum. Mon.* 84.—Mexico.— $\frac{1}{2}$.
baxaniensis *Karw.*—*K. Schum. Mon.* 98.—Mexico.— $\frac{1}{2}$.
 September–November.
Benecke *Ehrb.*—*K. Schum. Mon.* 103.—Mexico.— $\frac{1}{2}$.
 February–October.
Biolleyi *Web.*—*K. Schum. Mon. Nachtr.* 60.—Costa Rica.— $\frac{1}{2}$.
Boeckmannii *Otto.*—*K. Schum. Mon.* 147.—Cuba.— $\frac{1}{2}$.
 July.
Bonplandii *Parm.*—*K. Schum. Mon.* 135.—Paraguay.— $\frac{1}{2}$.
breviflorus *K. Schum. Mon.* 58, *Nachtr.* 23.—Chili.— $\frac{1}{2}$.
Bridgesii *Salm.*—*K. Schum. Mon.* 107.—Bolivia.— $\frac{1}{2}$.
 June–July.
cæsius *Otto.*—*Pfeiff. En.* 89.—Tropical America.— $\frac{1}{2}$.
candicans *Gill.*—*K. Schum. Mon.* 69.—Argentina.— $\frac{1}{2}$.
 „ var. *gladiata* *K. Schum. Mon.* 70.— $\frac{1}{2}$. September.
catamarcensis *Berger.*—*K. Schum. Mon.* 243.—Argentina.— $\frac{1}{2}$.

CEREUS (*continued*).

Cavendishii Monv.—*K. Schum. Mon.* 135, *Nachtr.* 40.—
S. America.— $\frac{1}{2}$.

Celsianus Berger.—*K. Schum. Mon.* 179.—Bolivia.— $\frac{1}{2}$.
October–November.

„ var. **Bruennowii** *K. Schum. l. c.* 180.

„ var. **lanuginosior** *Salm.—K. Schum. l. c.* 180.

„ var. **Williamsii** *K. Schum. l. c.* 180.

chalybæus Otto.—*K. Schum. Mon.* 120.—Argentina.— $\frac{1}{2}$.

chilensis Colla.—*K. Schum. Mon.* 61.—Chili.— $\frac{1}{2}$.

clavatus Otto.—*Förster, Hdb. Kakt.* ed. ii. 711.—Mexico.— $\frac{1}{2}$.

coccineus Salm.—*K. Schum. Mon. Nachtr.* 53.— $\frac{1}{2}$.

cærulescens Salm.—*K. Schum. Mon.* 121.—Argentina.— $\frac{1}{2}$.

colubrinus Otto = *Baumannii*.

cometes Scheidw.—*K. Schum. Mon.* 190.—Mexico.— $\frac{1}{2}$.

Coryne Otto.—*K. Schum. Mon.* 63.—Argentina.— $\frac{1}{2}$.

Curtisii Otto.—*K. Schum. Mon.* 189.—W. Indies.— $\frac{1}{2}$.

cyaneus Hort.—S. America.— $\frac{1}{2}$.

Damazoi *K. Schum. Mon. Nachtr.* 38.—Uruguay.— $\frac{1}{2}$.

Dautwitzii Fr. A. Haage = *lanatus*.

Dumortieri Salm.—*K. Schum. Mon.* 92.—Mexico.— $\frac{1}{2}$.

eburneus Salm.—*K. Schum. Mon.* 108.—Mexico.— $\frac{1}{2}$.

Emoryi Engelm.—*K. Schum. Mon.* 123.—California.— $\frac{1}{2}$.

eriophorus Lk. & Otto.—*Pfeiff. En.* 94, *Abbild.* t. 22.—

K. Schum. Mon. 95.—W. Indies.— $\frac{1}{2}$.

Eruca Brandegee.—*K. Schum. Mon.* 125.—S. California.— $\frac{1}{2}$.

euchlorus Web.—*K. Schum. Mon.* 84.—S. Brazil, Paraguay.—

$\frac{1}{2}$.

euphorbioides Haw.—*K. Schum. Mon.* 93; *Berger in Monats-*
schrift. f. K. 1907, 87, with fig.—Brazil.— $\frac{1}{2}$. October.

exerens Link.—*K. Schum. Mon.* 184, fig. 39.—Brazil.— $\frac{1}{2}$.

extensus Salm.—*K. Schum. Mon.* 161.—Trinidad.— $\frac{1}{2}$.

flagelliformis Mill.—*K. Schum. Mon.* 142.—Mexico.— $\frac{1}{2}$.

June.

flagriformis Zucc.—*K. Schum. Mon. Nachtr.* 46.—Mexico.—

$\frac{1}{2}$.

flavispinus Salm.—*Pfeiff. En.* 82.—W. Indies.— $\frac{1}{2}$.

Forbesii Otto.—*K. Schum. Mon.* 111.—Argentina.— $\frac{1}{2}$.

formosus Salm, *Cact. Hort. Dyck.* 58. 213.—S. America.—

$\frac{1}{2}$.

fulgidus Hook. fil. in *B. M.* t. 5856; *K. Schum. Mon.* 146.—

Garden origin.— $\frac{1}{2}$.

CEREUS (*continued*).

Funkii *K. Schum. Mon.* 61.—Chili.— $\frac{1}{2}$.

geometrizzans *Mart.—K. Schum. Mon.* 104.—Mexico.— $\frac{1}{2}$.
June–July.

„ **var. pugionifer** *Lem.—K. Schum. Mon.* 105.—
Mexico.— $\frac{1}{2}$. June–July.

giganteus *Engelm.—K. Schum. Mon.* 76; *B. M. t.* 7222.—
N. Mexico, Arizona.— $\frac{1}{2}$.

glaucus *Salm, Hort. Dyck.* 335.—S. America.— $\frac{1}{2}$.

Gonzalezii *Web.—K. Schum. Nachtr.* 59.—Costa Rica.— $\frac{1}{2}$.
June–July.

grandiflorus *Mill.—K. Schum. Mon.* 144; *B. M. t.* 3381.—
W. Indies.— $\frac{1}{2}$. June–July.

„ **var. barbadensis** *Hort.*

„ **var. Maximilianus** *Hort.*

„ **var. Schmidtii** *Hort.*

Greggii *Engelm.—K. Schum. Mon.* 96; *Gard. Chron.* 1903,
ii. 93.—Texas.— $\frac{1}{2}$. July.

Grusonianus *Weingart in Monatsschrift. f. K.* 1905, 54.—
Tropical America.— $\frac{1}{2}$. July.

gummosus *Engelm.—K. Schum. Mon.* 124.—Lower Cali-
fornia.— $\frac{1}{2}$.

hamatus *Scheidw.—K. Schum.* 155; *Bossche, Ic. Sel. t.* 103.
—*C. rostratus* *Lem.—Mexico.—* $\frac{1}{2}$. July.

hamatus $\times$ **grandiflorus**.—Garden origin. $\frac{1}{2}$.

Hankeanus *Web.—K. Schum. Mon.* 88.—Argentina.— $\frac{1}{2}$.
July–August.

Hassleri *K. Schum. Mon. Nachtr.* 57.—Paraguay.— $\frac{1}{2}$.

Hermentianus *Monv.—K. Schum. Mon.* 187.—Native land
not known.— $\frac{1}{2}$.

Hildmannianus *K. Schum. Mon.* 110.—Brazil.— $\frac{1}{2}$.

Hoppenstedtii *Berger.—K. Schum. Mon.* 177.—Mexico.— $\frac{1}{2}$.

horridus *Otto.—K. Schum. Mon.* 113.—S. America.— $\frac{1}{2}$.

Houlletii *Berger.—K. Schum. Mon.* 182.—Mexico.— $\frac{1}{2}$.

inermis *Otto.—K. Schum. Mon.* 156.—Venezuela.— $\frac{1}{2}$.

Jamacaru *DC.—K. Schum. Mon.* 112.—S. America.— $\frac{1}{2}$.
Summer.

Jusberti *Reb.—K. Schum. Mon.* 137.—Argentina, Paraguay.
— $\frac{1}{2}$. June–July.

Kunthianus *Otto.—K. Schum. Mon. Nachtr.* 48.—Honduras.
— $\frac{1}{2}$.

laetevirens *Otto.—Pfeiff. En.* 99.—S. America.— $\frac{1}{2}$. Summer.

CEREUS

- lævigatus* *Salm, Cact. Hort. Dyck.* 204.—S. America.— $\frac{1}{2}$.
lamprochlorus *Lem.—K. Schum. Mon.* 60.—Argentina.— $\frac{1}{2}$.
lanatus *H. B. K.—K. Schum. Mon.* 194, *Nachtr.* 66; *Fl. d. S.* t. 2163.—Peru.— $\frac{1}{2}$.
Lemairei *Hook. in B. M. t.* 4814; *K. Schum. Mon.* 160.—W. Indies?— $\frac{1}{2}$.
lepidotus *Salm.—K. Schum. Mon.* 109.—Cuba.— $\frac{1}{2}$.
leptophis *DC.—K. Schum. Mon. Nachtr.* 47.—Mexico.— $\frac{1}{2}$.
lividus *Pff.—K. Schum. Mon.* 113; *B. M. t.* 5775.—S. America.— $\frac{1}{2}$.
longispinus *Salm.—K. Schum.* 62.—Chili.— $\frac{1}{2}$.
MacDonaldiæ *Hook. in B. M. t.* 4707; *K. Schum. Mon.* 149.—S. America.— $\frac{1}{2}$. July.
macrogonus *Salm. — K. Schum. Mon.* 115.—Brazil.— $\frac{1}{2}$. September.
mamillatus *Engelm.—K. Schum. Mon.* 165, *Nachtr.* 61.—S. California.— $\frac{1}{2}$.
marginatus *DC.—K. Schum. Mon.* 90.—Mexico.— $\frac{1}{2}$.
Martianus *Zucc.—K. Schum. Mon.* 143.—Mexico.— $\frac{1}{2}$. June-July.
Martinii *Lab.—K. Schum. Mon.* 141.—Argentina.— $\frac{1}{2}$. July-August.
mixtecensis *J. A. Purp. in Monatsschrft. f. K.* 1909, 52.—Mexico.— $\frac{1}{2}$.
monacanthus *Lem.—K. Schum. Mon.* 142.—S. America.— $\frac{1}{2}$.
Moritzianus *Otto.—K. Schum. Mon.* 191.—Venezuela.— $\frac{1}{2}$.
multangularis *Haw.—K. Schum. Mon.* 66.—S. America.— $\frac{1}{2}$.
Napoleonis *Grah.—K. Schum. Mon.* 159; *B. M. t.* 3458.—W. Indies.— $\frac{1}{2}$.
nitidus *Salm, Cact. Hort. Dyck.* 212.—Venezuela.— $\frac{1}{2}$.
nycticalus *Link. — K. Schum. Mon.* 146.—Mexico.— $\frac{1}{2}$. June-July.
 „ var. *armatus* *Hort.—K. Schum. Mon.* 147.— $\frac{1}{2}$.
obtusius *Haw.—Pfeiff. En.* 105; *K. Schum. Mon.* 117.—S. America.— $\frac{1}{2}$.
ocamponis *Salm.—K. Schum. Mon.* 159.—Mexico.— $\frac{1}{2}$.
pacificus *Coult.—K. Schum. Mon.* 284.—California.— $\frac{1}{2}$.
paraguayensis *K. Schum. Mon. Nachtr.* 34.—Paraguay.— $\frac{1}{2}$.
pasacana *Web.—K. Schum. Mon.* 77.—Argentina, Bolivia.— $\frac{1}{2}$.

CEREUS (*continued*).

- pecten-aboriginum** Eng.—*K. Schum. Mon.* 75.—Mexico.—
 ♀.
- pensilis** *Kath. Brandegee in Zoe*, v. 192.—California.—♀.
- pentædrophorus** Lab.—*K. Schum. Mon.* 174.—Brazil.—♀.
- pentagonus** L.—*DC.* iii. 468.—Central America.—♀.
 Summer.
- peruvianus** Mill.—*K. Schum. Mon.* 113.—S. America.—♀.
 Summer.
- „ var. **longispinus** Hort.—♀.
- „ var. **monstruosa** P. DC.—*K. Schum. l. c.* 115.—♀.
- phatnospermus** *K. Schum. Mon. Nachtr.* 41.—Paraguay.—♀.
- platygonus** Otto.—*K. Schum. Mon.* 99.—S. America?—♀.
- polylophus** DC.—*K. Schum. Mon.* 174.—Mexico.—♀.
- pomanensis** Web.—*K. Schum. Mon.* 136.—Argentina.—♀.
- Pringlei** Wats.—*K. Schum. Mon.* 71.—Sonora.—♀.
- pruinus** Otto.—*Först. Hdb. Kakt.* ed. ii. 717.—Mexico.
 —♀.
- pteronogon** Lem.—*K. Schum. Mon.* 152.—New Granada.—♀.
- quaretaroensis** Web.—*K. Schum. Mon.* 82.—Mexico.—♀.
- repandus** Haw.—*K. Schum. Mon.* 94.—Antilles.—♀.
- rhodoleucanthus** *K. Schum. Mon. Nachtr.* 44.—Paraguay.
 —♀.
- rigidispinus** *Mühlenpf.*—*K. Schum. Mon.* 166.—Mexico.—♀.
- Royenii** Haw.—*K. Schum. Mon.* 181.—W. Indies.—♀.
- scandens** Salm, *Cact. Hort. Dyck.* 219.—Guayana.—♀.
- Schottii** Engelm.—*K. Schum. Mon.* 173.—California.—♀.
- Schrankii** Zucc.—*K. Schum. Mon. Nachtr.* 52.—Mexico.—
 ♀. July.
- sciurus** *Kath. Brandegee in Zoe*, v. 192.—California.—♀.
- serpentinus** DC.—*K. Schum. Mon.* 129; *B. M. t.* 3566.—
 Mexico.—♀. Summer.
- setaceus** Salm.—*K. Schum. Mon.* 162.—Brazil.—♀. Summer.
- Spachianus** Lem.—*K. Schum. Mon.* 67.—Argentina.—♀.
 June–July.
- speciosus** *K. Schum. Mon.* 153; *B. M. t.* 2306.—Central
 America.—♀.
- Spegazzinii** Web.—*K. Schum. Mon. Nachtr.* 42.—Paraguay,
 Argentina.—♀. Summer.
- spinulosus** DC.—*K. Schum. Mon.* 148.—Mexico.—♀.
- stellatus** Pfeiff.—*K. Schum. Mon.* 79.—Mexico.—♀. October.
- stenogonus** *K. Schum. Mon. Nachtr.* 31.—Paraguay.—♀.

CEREUS

- strictus** DC.—*K. Schum. Mon.* 188.—West Indies.— $\frac{1}{2}$.
strigosus Salm.—*K. Schum. Mon.* 68.—Argentina.— $\frac{1}{2}$.
Swartzii Griseb. *Fl. West. Ind.* 301.—Jamaica.— $\frac{1}{2}$.
tephracanthus Lab.—*K. Schum. Mon.* 80.—Bolivia.— $\frac{1}{2}$.
 Summer.
 „ var. **boliviana** Web.—*K. Schum. l.c.* 81.—
 Bolivia.— $\frac{1}{2}$.
testudo Karw.—*Monatsschrft. f. K.* 1904, 55.—Mexico.— $\frac{1}{2}$.
thalassinus Otto.—*Först. Hdb. Kakt.* 399, ed. ii. 715.—S.
 America?— $\frac{1}{2}$.
thelegonus Web.—*K. Schum. Mon.* 78.—Argentina.— $\frac{1}{2}$.
tortuosus Forb.—*K. Schum. Mon.* 139.—Argentina.— $\frac{1}{2}$.
 Summer.
triangularis Haw.—*K. Schum. Mon.* 157.—Mexico.— $\frac{1}{2}$.
 Summer.
trigonus Haw.—*K. Schum. Mon.* 158.—Antilles.— $\frac{1}{2}$.
 „ var. **costaricensis** Web.—*K. Schum. Mon. Nachtr.*
 56.—Costa Rica.— $\frac{1}{2}$. Summer.
Urbanianus Gürke & Weing. in *Monatsschrft. f. K.* 1906,
 136.—Tropical America.— $\frac{1}{2}$. Summer.
variabilis Pfeiff. *En.* 105, *Abbild.* t. 15.—S. America?— $\frac{1}{2}$.

CERINTHE L.—*N. Pff.* iv. 3a. 127.—Borraginaceæ—Borragini-
 noideæ—Lithospermæ.

- major** L.—DC. x. 3; *B. M.* t. 333; *Fl. d'It.* n. 2777.—
 Europe, Orient.—☉. April–May.
minor L.—DC. x. 2; *Bicknell, Pl. Riv.* t. 39; *B. M.* t. 6890;
Fl. d'It. n. 2775.—Europe, Orient.—☉. April–May.

CEROPEGIA L.—*N. Pff.* iv. 2. 270.—Asclepiadaceæ—Cynan-
 choideæ—Tylophoreæ—Ceropeginæ.

- dichotoma** Haw.—DC. viii. 645; *Berger, Stap. & Kl.* 363,
 fig. 73.—Canaries.— $\frac{1}{2}$. Summer.
fusca C. Bolle in *Bonplandia* ix. 1861, 59; *B. M.* t. 8066;
Berger, Stap. & Kl. 365.—Canaries.— $\frac{1}{2}$. Summer.
Sandersoni Decne.—*B. M.* t. 5792; *Fl. Cap.* iv. 1. 815;
Berger, Stap. & Kl. 372.—Natal.— $\frac{1}{2}$ §. Summer.
stapeliiformis Haw.—*B. M.* t. 3657; *Fl. Cap.* iv. 1. 812;
Berger, Stap. & Kl. 360.—S. Africa.— $\frac{1}{2}$ §. Summer.
Woodii Schlechter.—*Gard. Chron.* 1897, ii. fig. 104; *B. M.*
 t. 7704; *Fl. Cap.* iv. 1. 823; *Berger, Stap. & Kl.* 370.—
 Natal.— $\frac{1}{2}$. Nearly always.

- † **CESTRUM** *L.* — *N. Pff.* iv. 3b. 29. — Solanaceæ-Cestreæ-Cestrinæ.
aurantiacum *Lindl.* — *DC.* xiii. 1. 603; *Fl. d. S.* t. 79. — Guatemala. — ½. November–March.
corymbosum *Schlecht.* — *DC.* xiii. 1. 621; *B. M.* t. 4201. — S. Brazil. — ½.
elegans *Schlecht.* — *DC.* xiii. 1. 600; *B. M.* t. 5659. — Mexico. — ½. November–January.
fasciculatum *Miers.* — *DC.* xiii. 1. 599; *B. M.* t. 4183 and 5659. — Mexico. — ½. November–January.
fastigiatum *Jacq. H. Sch.* t. 330; *B. M.* t. 1729; *DC.* xiii. 1. 606. — W. Indies. — ½. October–December.
lanatum *Mart. & Gal.* — *DC.* xiii. 1. 619. — Mexico. — ½.
luridum *Don.* — *DC.* xiii. 1. 659. — Brazil. — ½. October–January.
mortolense *Hort. Mort.* — Garden origin. — ½. October–January.
Newelli *Veitch.* — *Nich. Dict.* i. 301. — Garden origin? — ½. October–April.
nocturnum *L.* — *DC.* xiii. 1. 631. — S. America. — ½.
Parqui *L'Hérit.* — *DC.* xiii. 1. 616; *B. M.* t. 1770; *Fl. d'It.* n. 2865. — Chili, Argentina. — ½. April–June, September–January.
Pœppigii *Sendt.* — *DC.* xiii. 1. 663. — Brazil. — ½. April–June.
Pseudo-quina *Mart.* — *DC.* xiii. 1. 646. — Brazil. — ½. March–April.
roseum *H. B. K.* — *DC.* xiii. 1. 602. — Mexico. — ½. December–May.
Smithii *Hort. Lem.* — Garden origin. — ½.
suberosum *Jacq. H. Sch.* t. 452; *DC.* xiii. 1. 612. — S. America. — ½.
Warszewiczii *Klotzsch* in *Otto & Dietr. Allg. Gartenztg.* xix. 1851, 362. — S. America. — ½.
- CHÆROPHYLLUM** *L.* — *N. Pff.* iii. 8. 150. — Umbelliferae–Apiodeæ–Scandicineæ–Scandicinæ.
Villarsii *Koch.* — *Gren. & Godr. Fl. Fr.* i. 744. — Europe. — ¼.
- CHAMÆALOE** *Berger, Aloin.* (*R. V. C.* iv. 38. iii. 2) 120. — Liliaceæ–Asphodeloideæ–Aloineæ.
africana *Berger, l. c.* fig. 41. — *Aloe Bowiei* *Schult. Fl. Cap.* vi. 309. — *Bowiea africana* *Haw.* — S. Africa. — ¼. July–September.

CHAMÆCYPARIS *Spach.*—*N. Pff.* ii. 1. 100.—Pinaceæ—Cupressineæ—Cupressinæ.

filifera *Hort.*—*Nich. Dict.* 303; *Veitch, Man. Con.* 243.—Japan.— $\frac{1}{2}$.

pisifera *Sieb. & Zucc.*—*DC.* xvi. 2. 465.—Japan.— $\frac{1}{2}$.

‡**CHAMÆDOREA** *Willd.*—*N. Pff.* ii. 3. 62.—Palmae—Ceroxylinæ—Arecineæ—Iriarteæ.

corallina *Hort.*—Central America?— $\frac{1}{2}$.

desmoncoides *H. Wendl.*—*Nich. Dict.* 305.—Mexico.— $\frac{1}{2}$ §.

elegans *Mart.*—*B. M.* t. 4845.—Mexico.— $\frac{1}{2}$. October–November.

Ernesti-Augusti *H. Wendl.*—*B. M.* t. 4831, 4837.—Mexico.— $\frac{1}{2}$.

Chamæpeuce *DC.* = *Cirsium*.

‡**CHAMÆROPS** *L.*—*N. Pff.* ii. 3. 31.—Palmae—Coryphinæ—Sabaleæ.

excelsa *Thunb.* = *Trachycarpus excelsa*.

humilis *L.*—*Kunth, En.* iii. 249; *B. M.* t. 2152; *Fl. d'It.* n. 518.—Mediterranean region.— $\frac{1}{2}$. May.

„ var. *arborescens* *Pers.*—*Fl. d'It.* n. 518.— $\frac{1}{2}$.

„ var. *elegans* *Hort.*—*Nich. Dict. Suppl.* 223.— $\frac{1}{2}$.

„ var. *macrocarpa* *Hort.*—*Nich. Dict. Suppl.* 223.— $\frac{1}{2}$.

„ var. *tomentosa* *Hort.*—*Sauvaigo, Fl. Medit. Ex.* ii. 37.— $\frac{1}{2}$.

‡**CHEIRANTHUS** *L.*—*N. Pff.* iii. 2. 194.—Cruciferae—Hesperiæ—Erysiminæ.

Cheiri *L.*—*DC.* i. 135; *Fl. d'It.* n. 1319.—Europe.—⊕ $\frac{1}{4}$. Spring.

kewensis *Hort.*—*Gard. Chron.* 1904, i. 123; *Kew Bull.* 1910, 322.—Garden origin.—⊕ $\frac{1}{4}$. Spring.

mutabilis *L'Hérit.*—*DC.* i. 136; *Lowe, Fl. Mad.* i. 22; *B. M.* t. 195.—Madeira.— $\frac{1}{4}$. Winter to spring.

CHENOPODIUM *L.*—*N. Pff.* iii. 1a. 60.—Chenopodiaceæ—Cyclolobeæ—Chenopodieæ.

multifidum *L.*—*Roubieva multifida* *Moq. DC.* xiii. i. 80.—S. America.— $\frac{1}{4}$.

nitriariaceum *F. Muell.*—*Fl. Austr.* v. 158.—Australia.— $\frac{1}{2}$. May.

CHILIANTHUS *Burchell.*—*N. Pff.* iv. 2. 46.—Loganiaceæ—Buddleioideæ.

arboreus *Benth.*—*DC.* x. 435.—*Buddleia salicifolia* *Jacq. H. Sch.* t. 29.—S. Africa.—½. July.

CHILOPSIS *D. Don.*—*N. Pff.* iv. 3b. 234.—Bignoniaceæ—Tecomææ.

linearis *DC.* ix. 227.—Mexico.—½.

CHIMONANTHUS *Lindl.*—*N. Pff.* iii. 2. 94.—Calycanthaceæ.

præcox *Link.*—*Schneider, Hdb. Laubh.* i. 346.—*Calycanthus præcox* *L. B. M.* t. 466.—*Ch. fragrans* *Lindl. DC.* iii. 2.—China.—½. December–February.

CHIONODOXA *Boiss.*—*N. Pff.* ii. 5. 68.—Liliaceæ—Lilioideæ—Scilleæ.

Luciliæ *Boiss. Fl. Or.* v. 311; *B. M.* t. 6433.—Asia Minor.—¼. Spring.

CHLIDANTHUS *Herb.*—*N. Pff.* ii. 5. 108.—Amaryllidaceæ—Amaryllidoideæ—Crininæ.

Ehrenbergii *Kunth.*—*Bak. Am.* 28.—Mexico.—¼.

fragrans *Kunth.*—*Bak. Am.* 28; *B. M.* t. 640.—Peru.—¼.

CHLORANTHUS *Sw.*—*N. Pff.* iii. 1. 12.—Chloranthaceæ.

inconspicuus *Sw.*—*DC.* xvi. 1. 474; *Bossche, Ic. Sel.* t. 110.—China, Japan.—¼.

CHLORIS *L.*—*N. Pff.* ii. 59.—Gramineæ—Chlorideæ.

distichophylla *Lag.*—*Kunth, En.* i. 262.—S. America.—¼.

truncata *R. Br.*—*Fl. Austr.* vii. 612; *Rept. Miss. Bot. G.* 1899, t. 41.—Australia.—☉.

CHLOROCODON *Hook. fil.*—*N. Pff.* iv. 2. 215.—Asclepiadaceæ—Periplocoideæ—Periploceæ.

Whiteii *Hook. fil.*—*B. M.* t. 5898; *Fl. Cap.* iv. 1. 542.—Natal.—½ §.

CHLOROPHYTUM *Ker.*—*N. Pff.* ii. 5. 34.—Liliaceæ—Asphodeloideæ—Anthericiniæ.

elatum *R. Br.*—*Kunth, En.* iv. 604; *Fl. Cap.* vi. 399. *Red. Lil.* t. 191; *Ref. Bot.* t. 216.—S. Africa.—¼. May–August.

CHOISYA *H. B. K.*—*N. Pff.* iii. 4. 127.—Rutaceæ—Rutoideæ—Choisyinæ.

ternata *H. B. K.*—*DC.* i. 724; *Gard. Chron.* 1907, i. 53, 382, 387.—Mexico.—½. May.

CHORIZEMA *Labill.*—*N. Pff.* iii. 3. 205.—Leguminosæ—Papilionatæ—Podalyriæ.

cordatum *Lindl.*—*Fl. Austr.* ii. 28.—W. Australia.—½. January–May.

ilicifolium *Labill.*—*Fl. Austr.* ii. 28; *B. M.* t. 1032.—W. Australia.—½. January–May.

varium *Benth.*—*Fl. Austr.* ii. 28.—W. Australia.—½. January–May.

‡ **CHRYSANTHEMUM** *L.*—*N. Pff.* iv. 5. 277.—Compositæ—Anthemideæ—Chrysanthemina.

achilleæfolium *M. B.*—*DC.* vi. 58.—Caucasus.—¼.

anethifolium *Brouss.*—*Willd. En. Pl. H. Berol.* 904.—Canaries.—½. Winter–spring.

argenteum *Willd. Spec. Pl.* iii. 2146.—*Pyrethrum sericeum* *M. B. DC.* vi. 55; *Ledeb. Fl. Ross.* ii. 551.—Caucasus.—¼. Spring.

Broussonetii *Balb.*—*DC.* vi. 66; *B. M.* t. 5067.—Canaries.—½. Winter and spring.

carinatum *Schousb.*—*DC.* vi. 65; *B. M.* t. 5095.—N.W. Africa.—☉.

cinerariæfolium *Vis. Fl. Dalm.* ii. 88; *B. M.* t. 6781.—*DC.* vi. 55, sub *Pyrethrum*.—Dalmatia.—¼. Spring.

***flosculosum** *L. Sp. Pl.* 890; *Fl. d'It.* n. 3599.—*Plagiis virgatus* *DC.* vi. 135.—*P. Allionii* *L'Hér.*—Liguria.—¼. June.

grande *Hook. fil.* in *B. M.* t. 7886.—*Plagiis grandiflorus* *L'Hér. DC.* vi. 135.—Algeria.—¼. May.

grandiflorum *Willd.*—*DC.* vi. 66.—Canaries.—½. Winter and spring.

indicum *L.*—*DC.* vi. 62; *Fl. d'It.* n. 3545.—China, Manchuria.—¼. October–November.

macrophyllum *W. & K.*—*DC.* vi. 58.—Europe, Caucasus.—¼. May.

nipponicum *Hook. fil.* in *B. M.* t. 7660.—Japan.—½. October–November.

***pallens** *J. Gay.*—*DC.* vi. 47; *Fl. d'It.* n. 3541 δ.—S. Europe.—¼. June–July.

pinnatifidum *L. fil.*—*DC.* vi. 66; *Lowe, Fl. Mad.* 410.—Madeira.—½. Winter–spring.

viscosum *Desf.*—*DC.* vi. 64.—Mediterranean region.—¼. May.

Webbii *Masfer.*—*Index Kewensis.*—Canaries.—½. Winter and spring.

CHRYSOCOMA *L.*—*N. Pff.* iv. 5. 169.—Compositæ—Astereæ—Conyzinæ.

Coma-aurea *L.*—*DC.* v. 353; *B. M.* t. 1972.—S. Africa.— $\frac{1}{2}$. April–October.

CHRYSOPHYLLUM *L.*—*N. Pff.* iv. 1. 147.—Sapotaceæ—Palauqueiæ—Chrysophyllinæ.

imperiale *Benth. & Hook. fil.*—*B. M.* t. 6823; *N. Pff.* l. c. 149.—*Theophrasta imperialis* *Hort.*—Brazil.— $\frac{1}{2}$.

CINERARIA *Less.*—*N. Pff.* iv. 5. 298, under *Senecio*.—Compositæ—Senecioneæ—Senecioninæ.

hybrida *Hort.*—*Nich. Dict.* 327.—Garden origin.— $\oplus$. Spring.

† **CINNAMOMUM** *L.*—*N. Pff.* iii. 2. 113.—Lauraceæ—Perseideæ—Cinnamomeæ.

Camphora *Nees & Eberm.*—*DC.* xv. 1. 24.—*Laurus Camphora* *L. B. M.* t. 2658.—Japan, China.— $\frac{1}{2}$. May–June.

Loureirii *Nees.*—*DC.* xv. 1. 16.—China, Japan.— $\frac{1}{2}$. May–June.

† **CIRSIUM** *L.*—*N. Pff.* iv. 5. 322.—Compositæ—Cynareæ—Carduinæ.

arachnoideum *M. B.*—*DC.* vi. 639.—Caucasus.— $\oplus$.

canum *M. B.*—*DC.* vi. 644; *Fl. d'It.* n. 3791.—S. E. Europe, Caucasus.— $\frac{1}{4}$. June.

Casabonæ *Hoffm.*—*Fl. d'It.* n. 3777.—*Chamæpeuce Casabonæ* *DC.* vi. 658.—Elba.— $\oplus$. June.

cynaroides *Spreng.*—*Chamæpeuce cynaroides* *DC.* vi. 659.—Eastern Mediterranean region, Caucasus.— $\oplus$. June.

diacantha *Labill.*—*Chamæpeuce diacantha* *DC.* vi. 659.—Syria.— $\oplus$. May–June.

eriphorum *Scop.*—*DC.* vi. 638; *Fl. d'It.* n. 3785.—Europe, Asia Minor.— $\oplus$. May–June.

ferox *DC.* vi. 637.—Eastern Europe, Asia Minor.— $\oplus$.

gnaphalodes *Spreng.*—*Fl. d'It.* n. 3775.—*Chamæpeuce gnaphalodes* *DC.* vi. 658.—Calabria.— $\frac{1}{2}$. May–June.

monspessulanum *All.*—*DC.* vi. 644; *Fl. d'It.* n. 3792.—S. France, Italy.— $\frac{1}{4}$. June.

CISSUS *L.*—*N. Pff.* iii. 5. 450.—Vitaceæ—Vitoideæ.

Baudiniana *Brouss.*—*N. Pff.* l. c. 453.—*C. antarctica* *Vent.* *DC.* i. 629; *B. M.* t. 2488.—*Vitis antarctica* *Benth. Fl. Austr.* i. 447.—Queensland, N. S. Wales.— $\frac{1}{2}$ §.

Cramerianus *Schinz.*—*Dinter, D. S. W. Afr.* 94.—Hereroland.— $\frac{1}{4}$. July.

CISSUS (*continued*).

Dinteri Gilg.—*Dinter*, *D. S. W. Afr.* 95.—Hereroland.— γ .
gongylodes Planch.—*N. Pff. l. c.* 452, fig. 221.—*Vitis pterophora* Bak. *B. M. t.* 6803.—Brazil.— γ §.

† **CISTUS** *Tourn.*—*N. Pff.* iii. 6. 303.—Cistaceæ.

acutifolius Sweet = *corbariensis*.

albidus *L.*—*DC.* i. 264; *Sweet, Cist. t.* 31; *Fl. d'It.* n. 1291; *Grosser, Cist. (R. V. C. iv.* 193), 13.—S. Europe.— γ . April–May.

albidus $\times$ **crispus** *Del.*—*Grosser, Cist. (R. V. C.),* 13.—S. France, Spain.— γ . May–June.

corbariensis *Pourr.*—*DC.* i. 265; *Sweet, Cist. t.* 8.—*C. populifolius* $\times$ *salvifolius* *Grosser, Cist. (R. V. C.),* 22.—S. France.— γ . May–June.

crispus *L.*—*DC.* i. 264; *Sweet, Cist. t.* 22; *Fl. d'It.* n. 1290; *Grosser (R. V. C.)* 13.—Southern and western Mediterranean region.— γ . May–June.

Cupanianus Sweet, t. 70 = *C. populifolius* *L.*

cyprius *Lam.*—*DC.* i. 266; *Sweet, Cist. t.* 39.—*C. ladaniferus* $\times$ *laurifolius* (*R. V. C.*), 25.—Garden origin.— γ . May–June.

florentinus *Lam.*—*Sweet, Cist. t.* 59.—*C. monspeliensis* $\times$ *salvifolius* (*R. V. C.*), 30.—W. Mediterranean region.— γ .
formosus Curt. = *Halimium lasianthum*.

hirsutus *Lam.*—*DC.* i. 265; *Sweet, Cist. t.* 19; (*R. V. C.*), 19.—Spain, Portugal.— γ . May–June.

ladaniferus *L.*—*DC.* i. 266; *R. V. C.* 23.—S. W. Mediterranean region.— γ . May–June.

„ var. **albiflorus** *Dunal.*—*DC.* i. 266; *Sweet, Cist. t.* 84; *R. V. C.* 24.— γ . May–June.

„ var. **maculatus** *Dunal.*—*DC.* i. 266; *Sweet, Cist. t.* 1; *R. V. C.* 24.— γ . May–June.

laurifolius *L.*—*DC.* i. 266; *Sweet, Cist. t.* 52; *R. V. C.* 24.—S. W. Mediterranean region, S. France, Asia Minor.— γ . May.

monspeliensis *L.*—*DC.* i. 265; *Sweet, Cist. t.* 27; *Fl. d'It.* n. 1286; *R. V. C.* 17.—Mediterranean region, from Greece to Teneriffe and Madeira.— γ . May–June.

parviflorus *Lam.*—*DC.* i. 264; *Sweet, Cist. t.* 14; *Fl. d'It.* n. 1288; *R. V. C.* 17.—S. Italy, Tunis, Asia Minor, Cyprus, Crete, &c.— γ . May–June.

platysepalus *Sweet, Cist. t.* 47.—*C. hirsutus* $\times$ *monspeliensis* *R. V. C.* 30.—Garden origin.— γ . May–June.

CISTUS (*continued*).

populifolius *L.*—*Sweet, Cist. t. 23; R. V. C. 21.*—W. Mediterranean region.— $\frac{1}{2}$. May–June.

purpureus *Lam.*—*DC. i. 264; Sweet, Cist. t. 17.*—*C. ladaniferus* $\times$ *villosus* *R. V. C. 28.*—Garden origin.— $\frac{1}{2}$. May–June.

salvifolius *L.*—*DC. i. 265; Sweet, Cist. t. 54; Fl. d'It. n. 1287; R. V. C. 20.*—Mediterranean region.— $\frac{1}{2}$. May–June.

symphytifolius *Lam. var. vaginatus* *Gross. (R. V. C.), 12.*—*C. vaginatus* *Dryand. DC. i. 265; Sweet, Cist. t. 9; Jacq. H. Sch. t. 282.*—Canary Islands.— $\frac{1}{2}$. May–June.

tauricus *Presl. = villosus.*

undulatus *Dun. = villosus.*

vaginatus *Dryand = symphytifolius* *Lam.*

villosus *L.*—*DC. i. 264; R. V. C. 14.*—Mediterranean region.

„ **var. corsicus** *Gross. (R. V. C.), 15.*—*C. corsicus* *Lois.*—Corsica, Sardinia, Sicily.— $\frac{1}{2}$. May–June.

„ **var. creticus** *Boiss. Fl. Or. i. 437; R. V. C. 16.*—*C. creticus* *L. DC. i. 264; Sweet, Cist. t. 112.*—Eastern Mediterranean region, S. Italy, Sicily.— $\frac{1}{2}$. May–June.

„ **var. eriocephalus** *Gross. (R. V. C.), 15; Sweet, Cist. t. 35.*—*C. incanus* *Rehb.*—Mediterranean region.— $\frac{1}{2}$. May–June.

„ **var. tauricus** *Gross. (R. V. C.), 14.*—*C. tauricus* *Presl.*—Eastern Mediterranean region.— $\frac{1}{2}$. May–June.

„ **var. undulatus** *Gross. (R. V. C.), 16.*—*C. undulatus* *Dunal, DC. i. 264.*—Garden origin.— $\frac{1}{2}$. May–June.

CITHAREXYLUM *L.*—*N. Pff. iv. 3a. 159.*—Verbenaceæ–Verbenoideæ–Citharexyleæ.

barbinerve *Cham.*—*DC. xi. 610.*—S. America.— $\frac{1}{2}$.

boggæum *Tod.*—Tropical America.— $\frac{1}{2}$. May–July.

reticulatum *Kunth.*—*DC. xi. 613.*—Peru, Mexico.— $\frac{1}{2}$.

CITRIOBATUS *A. Cunn.*—*N. Pff. iii. 2a. 113.*—Pittosporaceæ.

multiflorus *A. Cunn.*—*Fl. Austr. i. 121.*—Queensland, N. S. Wales.— $\frac{1}{2}$.

CITRULLUS *Neck.*—*N. Pff. iv. 5. 27.*—Cucurbitaceæ–Cucurbitæ–Cucumerinæ.

Colocynthis *Schrad.*—*Fl. Brit. Ind. ii. 620; Wight, Ic. t. 498.*—*Cucumis Colocynthis* *L. DC. iii. 302.*—Africa, India, &c.— $\odot$. Summer.

CITRULLUS (*continued*).

vulgaris Schrad.—*Fl. Brit. Ind.* ii. 621.—*Cucumis Citrullus* Ser. *DC.* iii. 301.—S. Africa, India, &c.—☉. (Water melon.) Summer.

‡ **CITRUS** *L.*—*N. Pff.* iii. 4. 195.—Rutaceæ—Aurantioideæ—Citrinæ.

Aurantium *L.*—*Engl. N. Pff.* l.c. 198; *Fl. d'It.* n. 2531; *Fl. Brit. Ind.* i. 515.—Tropical Asia.— $\frac{1}{2}$.

„ var. **amara** *L.*—*C. Bigaradia* Dub.—*C. vulgaris* Risso.—*DC.* i. 539.—(Bitter orange, Bigarade, Pomeranze.)— $\frac{1}{2}$. April–May.

subvar. **Bizzarria** *Risso*, t. 52.

subvar. **salicifolia** *Risso*, t. 48.

subvar. **sinensis** *Risso*, t. 49. “Chinotto.”

„ var. **Bergamia** *Wight & Arn.*—*Engl. l.c.* 198; *Risso*, t. 53; *B. M.* t. 7194.—(Bergamot, Bergamotte.)— $\frac{1}{2}$. March–June.

subvar. **vulgaris** *Risso*, t. 53.

„ var. **sinensis** *Gall. Citr.* 149; *Engl. l.c.* 198.—*C. Aurantium* *Risso*, *DC.* i. 539.—*C. Aurantium dulce* *Auct.*—(Orange, Portogallo, Arancio, Apfelsine.)— $\frac{1}{2}$. April–May.

subvar. hortenses:—

“Arancio celeste della China.”—*C. Aur. sinense* *Risso*, t. 4.

“Arancio cornuto.”—*C. Aur. corniculatum* *Risso*, t. 12.

“Arancio doppio.”

“Arancio à frutto grosso.”

“Arancio grosso di Malta.”—*C. Aur. melittense* *Risso*, 13.

“Arancio di Jaffa.”

“Arancio Inshii.”

“Arancio in arancio.”

“Arancio à foglia larga.”—*C. Aur. latifolium* *Risso*, p. 39.

“Arancio di Malta schizzato.”

“Arancio mela rosa.”

“Arancio sanguineo di Tangeri.”

“Arancio San Michele di Teneriffa.”

“Arancio Satsuma.”

“Arancio Turco dolceissimo.”

“Arancio Vaniglia.”

CITRUS (*continued*).

australasica F. Müll.—*Fl. Austr.* i. 371; *Engl. l. c.* 196.—Australia.—½. April–May.

australis Planch.—*Fl. Austr.* i. 371; *Engl. l. c.* 196.—Australia.—½. April–May.

decumana L.—*DC.* i. 539; *Fl. Brit. Ind.* i. 516; *Engl. l. c.* 198.—India, Malaya, Polynesia Islands.—(Shaddock, Sciadocco).—½. April–June.

subvar. hortenses:—

“**Pampelmous.**”—*C. Pompelmos decumanus* Risso, t. 61.

“**Pampelmous dolce.**”

“**Santa Sabina Orange.**”

“**Amoy Pommeloe.**”—*C. pompelmos chaddock* Risso, t. 65, 66.

“**Amoy Pommeloe from Consul Forest.**”

“**Sciadocco à frutto piccolo.**”—*C. pompelmos Chadec minor* Risso, p. 131.

“**Sciadocco, grape fruit.**”—*C. pompelmos racemosus* Risso, p. 131.

Hystrix *DC.* i. 539; *Michel, Trait. Citr.* 42, t. 18, fig. 1; *Fl. Brit. Ind.* i. 515; *Engl. l. c.* 200.—India, Sumatra.—½. May.

japonica Thunb. *DC.* i. 540; *Engl. l. c.* 199; *B. M.* t. 6128.—China, Japan.—½. (Kumquat.) April–May.

subvar. hortensis:—

“**Kin Kan,**”

medica L.—*Gall. Citr.* 87.—*Fl. Brit. Ind.* i. 514.—Tropical Asia.—½. Spring, autumn.

„ var. **Cedra** *Gall. Citr.* 96; *DC.* i. 539.—(Cedrato, Ital.)

subvar. hortenses:—

“**Cedro degli Ebrei.**”

“**Cedro digitato.**”

“**Cedro: Buddha fingers.**”

“**Cedrato di Firenze.**”—*C. medica maxima* Risso, 197, t. 99, 100.

“**Florentina, Piccolo cedrato di Firenze.**”—*C. medica florentina* Risso, 202, t. 102.

“**Grossissima di Lima.**”

CITRUS (*continued*).

“Limone di Gerusalemme.”

“Meraviglia, mamellato.”

“multiforme.”

“Cedro di Calabria.”

“Cedro del Paradiso.”

„ var. **Limon** *Gall. Citr.* 105.—*C. Limonum* Risso;
DC. i. 539; *Fl. Brit. Ind.* i. 516.

subvar. **acris**.—(Lemon, Limone, Citrone.)

formæ cultæ:—

“cardinalis.”

“Limone di Catalogna.”

“Perettone à frutto grosso.”

“Limone di Canea senza semi.”

“Limone del Portogallo.”

“Limone à foglie gialle.”

“Limone verrucoso.”

subvar. **Limetta** Risso, t. 69.—“Limone dolce.”

subvar. “**Lumia dulcis**” Risso, p. 140.

subvar. “**Perettone à frutto piccolo**.”

myrtifolia *Rafn.*—*Risso*, t. 50.—China.—½. April.

nobilis *Lour.*—*DC.* i. 540; *N. Pff.* iii. 4. 196.—Cochin China,
China.—(Mandarin).—½. April–May.

form. cult. “**Dai-dai**.”

form. cult. **sanguinea**.

form. cult. “**viridis**.”

trifoliata *L.*—*N. Pff.* l. c. 196.—*Ægle sepiaria* *DC.* i. 538;
Gard. Chron. 1900, i. 269.—Japan.—½. April.

CLEMATIS *L.*—*N. Pff.* iii. 2. 62.—Ranunculaceæ—Clematideæ.

æthusiæfolia *Turcz.*—*Kuntze*, *Mon.* 129; *B. M.* t. 6542.—
Mongolia.—¼ §.

Armandi *Franch.* = *Meyeniana*.

balearica *Rich.* = *cirrhusa*.

brachiata *Thunb.*—*DC.* i. 6; *Kuntze*, *Mon.* 125; *B. M.* t. 96;
Gard. Chron. 1901, ii. 367.—S. Africa.—½ §.

campaniflora *Brot.*—*DC.* i. 9; *Lodd. B. C.* t. 927; *Kuntze*,
Mon. 137.—Portugal, Spain.—½ §. April.

cirrhusa *L.*—*DC.* i. 9; *B. M.* t. 1070; *Lodd. B. C.* t. 1086;
Fl. d'It. n. 1543.—S. Italy to Syria.—½ §. December–
January.

„ var. **balearica** *Rich.*—*DC.* i. 9; *Kuntze*, *Mon.* 144; *B. M.*
t. 959.—Western Mediterranean region.—½ §.

CLEMATIS (*continued*).

coccinea A. Gray.—Kuntze, *Mon.* 133; *B. M. t.* 6594.—Texas.—½ §. June–July.

crispa L.—DC. i. 9; Kuntze, *Mon.* 136; *B. M. t.* 1892.—N. E. America.—½ §. May–June.

***Flammula** L.—DC. i. 2; Kuntze, *Mon.* 115; *Fl. d'It.* n. 1545.—S. Europe.—¼ §. June–July.

florida Thunb.—DC. i. 8; *B. M. t.* 834; *Schneider, Hdb. Laubh.* i. 286.—Japan.—½ §. April–May.

Gouriana Roxb.—DC. i. 3; *Fl. Brit. Ind.* i. 4; Kuntze, *Mon.* 100; *King, M. Fl. Mal.* i. 4.—Indo-Malayan region.—½ §.

graveolens Lindl.—*Fl. Brit. Ind.* i. 4; Kuntze, *Mon.* 124; *B. M. t.* 4495; *Fl. d. S.* t. 548.—Himalaya.—¼ §.

heracleifolia DC. i. 3.—China.—½ §.

indivisa Willd.—*Hdb. Fl. N. Zeald.* 2; Kuntze, *Mon.* 107; *B. M. t.* 4398.—New Zealand.—½ §.

integrifolia L.—DC. i. 8; Kuntze, *Mon.* 176; *B. M. t.* 65; *Fl. d'It.* n. 1541.—N. Asia, Central Europe.—¼. May–July.

ligusticifolia Nutt.—Kuntze, *Mon.* 103.—N. America.—½ §.

Meyeniana Walp.—*Benth. Fl. Hongkong* 6; *B. M. t.* 7897.—*C. Armandi* Franch.—*Gard. Chron.* 1905, ii. 30, with plate.—China.—½ §. May.

montana Buch.—DC. i. 9; *Fl. Brit. Ind.* i. 2; Kuntze, *Mon.* 141; *Gard. Chron.* 1905, ii. 368. 379.—Himalaya.—½ §. April.

„ var. **fl. roseis.**

orientalis L.—DC. i. 3; *Fl. Brit. Ind.* i. 5; Kuntze, *Mon.* 123.—Northern Asia, Himalaya, Caucasus.—½ §. June–July.

paniculata Thunb.—DC. i. 3; Kuntze, *Mon.* 115; *Hort. Vilmor.* fig. 1.—Japan.—½ §.

Pitcheri Torr. & Gray.—Kuntze, *Mon.* 135.—Western N. America.—½ §.

recta L.—DC. i. 2; Kuntze, *Mon.* 111; *Fl. d'It.* n. 1544.—S. Europe.—¼. June–July.

songorica Bunge.—Kuntze, *Mon.* 112.—Siberia.—¼ §.

virginiana L.—DC. i. 4; Kuntze, *Mon.* 102.—N. America.—½ §.

***Vitalba** L.—DC. i. 3; Kuntze, *Mon.* 99; *Fl. d'It.* n. 1546.—Europe, N. Africa, Caucasus, &c.—½ §. April–May.

Viticella L.—DC. i. 9; *B. M. t.* 565; Kuntze, *Mon.* 136, *Fl. d'It.* n. 1542.—S. Europe, Orient.—½ §. April–May.

CLERODENDRON *L.*—*N. Pff.* iv. 3 a. 174.—Verbenaceæ—Viticoideæ—Clerodendreæ.

foetidum *Bunge.*—*DC.* xi. 672; *B. M.* t. 4880.—*N. China.*— $\frac{1}{2}$. June–July.

fragrans *Willd.*—*DC.* xi. 666; *B. M.* t. 1834.—*Japan.*— $\frac{1}{2}$. Nearly always.

inermis *R. Br.*—*DC.* xi. 660; *Fl. Brit. Ind.* iv. 589.—*India, Java.*— $\frac{1}{2}$.

Siphonanthus *Ait.*—*DC.* xi. 670; *Wight, Ill.* t. 173; *Fl. Brit. Ind.* iv. 595.—*India, Malaya.*— $\frac{1}{2}$.

trichotomum *Thunb.*—*DC.* xi. 668; *B. M.* t. 6561.—*China, Japan.*— $\frac{1}{2}$.

CLETHRA *L.*—*N. Pff.* iv. i. 2.—Clethraceæ.

arborea *Ait.*—*DC.* vii. 589; *B. M.* t. 1057; *Vent. H. M.* t. 40. *Madeira.*— $\frac{1}{2}$.

CLIANTHUS *Banks & Sol.*—*N. Pff.* iii. 3. 279.—Leguminosæ—Papilionatæ—Galegeæ—Coluteinæ.

Dampieri *A. Cunn.*—*Fl. Austr.* ii. 214; *B. M.* t. 5051.—*N. Australia, N. S. Wales, S. Australia.*— $\frac{1}{2}$. June–Sept.

puniceus *Banks & Sol.*—*Hdb. Fl. N. Zeald.* 52; *B. M.* t. 3584.—*New Zealand.*— $\frac{1}{2}$. March–April.

CLIFFORTIA *L.*—*N. Pff.* iii. 3. 46.—Rosaceæ—Rosoideæ—Sanguisorbeæ.

obcordata *L. fil.*—*DC.* ii. 596; *Fl. Cap.* iii. 297.—*S. Africa.*— $\frac{1}{2}$. April–June.

‡ **CLISTOYUCCA** *Trel.* in *Rept. Miss. Bot. Gard.* 1902, 41.—Liliaceæ—Dracænoideæ—Yuccææ.

arborescens *Trel. l. c.* t. 6, 7, &c.—*Y. arborescens* *Trel.* in *Rept. Miss. Bot.* 1892, 163. t. 5 & 49.—*S. Western United States.*— $\frac{1}{2}$.

CLITORIA *L.*—*N. Pff.* iii. 3. 357.—Leguminosæ—Papilionatæ—Phaseoleæ—Glycininæ.

Ternatea *L.*—*DC.* ii. 233; *Fl. Trop. Afr.* ii. 177; *B. M.* t. 1542.—*Tropics.*—☉. Summer.

CLIVIA *Lindl.*—*N. Pff.* ii. 5. 104.—Amaryllidaceæ—Amaryllidoideæ—Hæmanthinæ.

miniata *Rgl.*—*Bak. Am.* 62; *Fl. Cap.* vi. 229.—*Imantophyllum Aitoni* *Hook.* in *B. M.* t. 4783.—*Natal.*— $\frac{1}{4}$. Autumn–spring.

nobilis *Lindl.*—*Bak. Am.* 62; *Fl. Cap.* vi. 228.—*Imantophyllum miniatum* *Hook.* in *B. M.* t. 2856.—*Cape.*— $\frac{1}{4}$. Spring.

CLUYTIA *L.*—*N. Pff.* iii. 5. 83.—Euphorbiaceæ—Cluytiinæ.

Richardiana *Müll. Arg.*—*DC.* xv. 2. 1044.—Abyssinia.—½.
October–December.

CLYTOSTOMA *Bur.*—*N. Pff.* iv. 3b. 216.—Bignoniaceæ—
Bignoniæ.

calystegioides *Bur.*—*N. Pff. l. c.*—*Bignonia speciosa* *Hook.*
in *B. M.* t. 3888; *DC.* ix. 147.—S. Brazil to Argentina.
—½ §.

CNEORUM *L.*—*N. Pff.* iii. 4. 94.—Cneoraceæ.

pulverulentum *Vent.*—*DC.* ii. 84.—Canaries.—½.

***tricoccum** *L.*—*DC.* ii. 84; *Ardoino, Fl. Alp. Mar.* 85; *Fl.*
d'It. n. 2533.—S. Europe.—½. February–March.

COBÆA *Cav.*—*N. Pff.* iv. 3a. 44.—Polemoniaceæ—Cobææ.

macrostoma *Pav.*—*DC.* ix. 322; *R. V. C.* iv. 250. 26; *B. M.*
t. 3780 (*C. macrostemma*).—Guatemala, San Salvador,
Costa Rica.—½ § ☉. Summer–autumn.

scandens *Cav.*—*DC.* ix. 322; *R. V. C.* iv. 250. 24; *B. M.* t.
851.—Mexico, Costa Rica, Brazil.—½ §. All the year.

‡ **COCCINIA** *Wight & Arn.*—*N. Pff.* iv. 5. 35.—Cucurbitaceæ—
Cucurbiteæ—Abobrinæ.

indica *Wight & Arn.*—*Wight, Ill.* ii. t. 105; *Fl. Trop. Afr.*
ii. 550.—Tropical Asia and Africa.—¼ §. Summer.

palmata *Cogn.*—*Fl. Brit. Ind.* ii. 621.—India, S. Africa.—
—¼ §. Summer.

sessilifolia *Cogn.*—*Dinter, D. S. W. Afr.* 130.—German S.W.
Africa.—¼. Summer.

COCULUS *DC.*—*N. Pff.* iii. 2. 84.—Menispermaceæ—Coc-
culeæ—Menispermînæ.

carolinus *DC.* i. 98; *Diels, Menisp.* (*R. V. C.* iv. 94), 231.—
N. America.—½ §.

laurifolius *DC.* i. 100; *Fl. Brit. Ind.* i. 101; *Diels, Menisp.*
(*R. V. C.* iv. 94), 239.—Himalaya.—½. May–August.

trilobus *DC.* i. 98; *Diels, Menisp.* (*R. V. C. l. c.*), 232.—
C. Thunbergii *DC.* i. 98.—Japan, N. China.—½ §.

‡ **COCOS** *L.*—*N. Pff.* ii. 3. 81.—Palmæ—Ceroxylinæ—Cocoinæ—
Attaleæ.

australis *Hort.* (*non Martius*!) = *eriospatha* or *leiospatha*.

Blumenavia *Hort.* = *capitata* or *leiospatha* or *eriospatha*.

Bonneti *Hort.* = *leiospatha*.

COCOS (*continued*).

campestris Hort. (*non* Martius !) = *capitata* or *eriospatha*.

capitata Mart.—Beccari in *Malpighia*, ii. (1888) 90; *Nich. Dict. Suppl.* 249.—Minas Geraes.— $\frac{1}{2}$. Summer.

„ var. **leiospatha** Barb.-Rodr.—Beccari in *Malpighia*, ii. 1888, 91; *Nich. Dict. Suppl.* 250.—S. Brazil.— $\frac{1}{2}$. Summer.

eriospatha Drude.—Beccari in *Malpighia*, ii. 1888, 91; *Nich. Dict. Suppl.* 250.—Rio Grande do Sul.— $\frac{1}{2}$. Summer.

Jatay Mart.—Beccari in *Malpighia*, ii. 1888, 92; *Nich. Dict. Suppl.* 250; *Gard. Chron.* 1901, ii. 370.—Argentina.— $\frac{1}{2}$.

Romanzoffiana Cham.—Kunth, *En.* iii. 286; Beccari in *Malpighia*, ii. 1888, 86.—S. Brazil.— $\frac{1}{2}$. Spring-summer.

„ var. **plumosa** Hort.—(*An Hook. fil. in B. M.* t. 5180?)—Brazil.— $\frac{1}{2}$. Spring-summer.

CŒLOGYNE Lindl. — *N. Pff.* ii. 6. 126. — Orchidaceæ—Monandracæ—Cœlogyninæ.

cristata Lindl.—*Fl. Brit. Ind.* v. 829; *Fl. d. S.* t. 1807; *King & Pantl. Orchid. Him.* iii. 184.—Himalaya— $\frac{1}{4}$.

‡ **COFFEA** L.—*N. Pff.* iv. 4. 104.—Rubiaceæ—Coffeoideæ—Psychotriinæ.

arabica L.—*DC.* iv. 499; *B. M.* t. 1303.—Abyssinia. $\frac{1}{2}$.

COIX L.—*N. Pff.* ii. 2. 21.—Gramineæ—Maydeæ.

Lacryma L.—Kunth, *En.* i. 20; *B. M.* t. 4279; *Fl. d'It.* n. 105.—Tropics.—☉.

COLCHICUM L.—*N. Pff.* ii. 5. 29.—Liliaceæ—Melanthioidæ—Colchiceæ.

Bivonæ Guss.—*Fl. d'It.* n. 621.—Italy.— $\frac{1}{4}$. September–October.

Tenorei Parl.—*Fl. d'It.* n. 620 β .—Italy.— $\frac{1}{4}$. September–October.

COLEONEMA Bartl. & Wendl.—*N. Pff.* iii. 4. 152.—Rutaceæ—Rutoideæ—Diosmeæ.

album Bartl. & Wendl.—*Fl. Cap.* i. 378; *Bossche, Ic. Sel.* t. 127.—S. Africa.— $\frac{1}{2}$. April.

COLEUS Lour.—*N. Pff.* iv. 3a. 359.—Labiatae—Ocimoideæ—Plectranthinæ.

Blumei Benth.—*DC.* xii. 75; *B. M.* t. 4754.—Java.— $\frac{1}{4}$. Summer.

COLEUS (*continued*).

igniarius *Schweinfth.*—*Fl. Trop. Afr.* v. 435.—Abyssinia.—
 4. Spring.

Penzigii *Schweinfth.*—*Fl. Trop. Afr.* v. 428.—Eritrea.—4.
 Spring.

thyrsoides *Bak.*—*Fl. Trop. Afr.* v. 440; *B. M.* t. 7672.—
 Tropical Africa.—4. Spring.

‡ **COLLETIA** *Juss.*—*N. Pff.* iii. 5. 423.—Rhamnaceæ-Colletieæ.

cruciata *Gill. & Hook.*—*Miers, Contrib. Bot.* i. t. 34; *B. M.*
 t. 5033.—Chili.—½. October–November.

horrida *Willd.* = *spinosa*.

spinosa *Lam.*—*DC.* ii. 28; *B. M.* t. 3644.—Chili.—½.
 February–May.

COLOCASIA *Schott.*—*N. Pff.* ii. 3. 139.—Araceæ-Colocasi-
 oideæ-Colocasieæ.

antiquorum *Schott.*—*Kunth, En.* iii. 37; *B. M.* t. 7364;
Fl. d'It. n. 527.—Tropical Asia.—4.

COLQUHOUNIA *Wall.*—*N. Pff.* iv. 3a. 267.—Labiataë-Stachy-
 oideæ-Lamiinæ.

vestita *Wall.*—*DC.* xii. 457; *Fl. Brit. Ind.* iv. 674.—Hima-
 laya.—½. November–December.

COLUTEA *L.*—*N. Pff.* iii. 3. 281.—Leguminosæ-Papilionatæ-
 Galegeæ-Coluteinæ.

arborescens *L.*—*DC.* ii. 270; *B. M.* t. 81; *Fl. d'It.* n. 2093;
Bicknell, Pl. Riv. t. 18.—S. Europe.—½.

cilicica *Boiss. & Bal.*—*Fl. Or.* ii. 195; *Schneider, Hdb.*
Laubh. ii. 90.—*C. longialata* *Koehne.*—Asia Minor.—½.
 April–May.

COMMELINA *L.*—*N. Pff.* ii. 4. 63.—Commelinaceæ-Comme-
 lineæ.

tuberosa *L.*—*Kunth, En.* iv. 44; *Red. Lil.* t. 108; *B. M.*
 t. 1695.—Mexico.—4. Spring.

undulata *R. Br.*—*Kunth, En.* iv. 58; *Lodd. B. C.* t. 1553.—
 Australia.—4. Spring.

CONIOGRAMME *Fée.*—*N. Pff.* i. 4. 261.—Polypodiaceæ-
 Pterideæ-Gymnogramminæ.

fraxinea *Fée.*—*Hook. Syn. Fil.* 381.—*Gymnogramme java-*
nica *Bl.*—Tropical Asia and Africa.—4.

CONIOSELINUM *Fisch.*—*N. Pff.* iii. 8. 217.—Umbelliferæ—
Apioidæ—Peucedanæ—Angelicinæ.

Fischeri *W. & G.*—*DC.* iv. 164.—Europe.— $\frac{1}{2}$. May.

‡ **CONVOLVULUS** *L.*—*N. Pff.* iv. 3a. 33.—Convolvulacæ—
Convolvuloideæ—Convolvuleæ.

***althæoides** *L.*—*DC.* ix. 409; *B. M.* t. 359; *Fl. d'It.* n. 2840.—
S. Europe, N. Africa.— $\frac{1}{2}$ §. May–July.

***arvensis** *L.*—*DC.* ix. 406; *Fl. d'It.* n. 2842.—Europe, Asia,
N. America.— $\frac{1}{2}$ §.

***cantabricus** *L.*—*DC.* ix. 402; *Fl. d'It.* n. 2833.—S. Europe,
Orient.— $\frac{1}{2}$. June–July.

Cneorum *L.*—*DC.* ix. 401; *B. M.* t. 459; *Fl. d'It.* n. 2832.—
S. Europe.— $\frac{1}{2}$. May–June.

floridus *L.*—*DC.* ix. 404.—Canaries.— $\frac{1}{2}$. May–June.

mauritanicus *Boiss.*—*B. M.* t. 5243.—N. Africa.— $\frac{1}{2}$.
Spring–autumn.

sabatius *Viv.*—*Moggr.* t. 61; *Bickn. Pl. Riv.* t. 38; *Fl. d'It.*
n. 2835.—Liguria.— $\frac{1}{2}$. May.

scoparius *L.*—*DC.* ix. 404.—Teneriffe.— $\frac{1}{2}$. Spring.

***sepium** *L.*—*DC.* ix. 433; *Fl. d'It.* n. 2843.—Europe, Asia,
N. Africa, N. America, Australia.— $\frac{1}{2}$ §. Summer.

Soldanella *L.*—*DC.* ix. 427; *Fl. d'It.* n. 2844.—Europe.— $\frac{1}{2}$.

tenuissimus *Sibth. & Sm.*—*Hal. Prodr. Fl. Græc.* ii. 309.—
Eastern Mediterranean region.— $\frac{1}{2}$ §. May–July.

CONYZA *Less.*—*N. Pff.* iv. 5. 169.—Compositæ—Asteræ—
Conyzinæ.

ivæfolia *Less.*—*DC.* v. 388; *Fl. Cap.* iii. 113.—S. Africa.— $\frac{1}{2}$.

COOPERIA *Herb.*—*N. Pff.* ii. 5. 107.—Amaryllidacæ—Zephy-
ranthinæ.

Drummondii *Herb.*—*Bak. Am.* 27.—Texas, Mexico.— $\frac{1}{2}$.
Spring.

pedunculata *Herb.*—*Bak. Am.* 27; *B. M.* t. 3727.—Texas.—
 $\frac{1}{2}$. Spring.

Copernicia cerifera Hort. (non Martius!) = *Livistona decipiens*.

COPROSMA *Forst.*—*N. Pff.* iv. 4. 132.—Rubiaceæ—Coffeoidæ—
Psychotriinæ—Anthospermeæ.

acerosa *A. Cunn.*—*Hdb. Fl. N. Zeald.* 118; *Schneider, Hdb.*
Laubh. ii. 631.—New Zealand.— $\frac{1}{2}$.

Baueri *Endl.*—*Hdb. Fl. N. Zeald.* 112.—Norfolk Island,
New Zealand.— $\frac{1}{2}$. April–June.

COPROSMA (*continued*).

Cunninghamii Hook. *fil.*—*Hdb. Fl. N. Zeald.* 113.—New Zealand.— $\frac{1}{2}$. April–June.

lucida Forst.—*Hdb. Fl. N. Zeald.* 112.—New Zealand.— $\frac{1}{2}$.

CORDIA L.—*N. Pff.* iv. 3a. 81.—Borraginaceæ–Cordioideæ.

Francisci Tenore.—*Cat. Orto Bot. Nap.* 1845, 83.—America.— $\frac{1}{2}$.

serratifolia H. B. K.—*DC.* ix. 495.—Mexico.— $\frac{1}{2}$. June.

CORDYLINE Comm.—*N. Pff.* ii. 5. 73.—Liliaceæ–Dracænoideæ–Dracæneæ.

australis Hook.—*Hdb. Fl. N. Zeald.* 281; *B. M.* t. 5636.—New Zealand.— $\frac{1}{2}$. June–July.

Banksii Hook. *fil.*—*Hdb. Fl. N. Zeald.* 282.—New Zealand.— $\frac{1}{2}$. May.

Baueri Hook. *fil.* in *Gard. Chron.* 1860, 792.—*Dracæna australis* Hook. in *B. M.* t. 2835.—*C. oblecta* Bak.—*C. nutans* Goepp. ?—Norfolk Island.— $\frac{1}{2}$. June–July.

cannæfolia R. Br.—*Kunth, En.* v. 35; *Fl. Austr.* vii. 21; *Nich. Dict.* i. 372.—Queensland.— $\frac{1}{2}$. June–July.

stricta Endl.—*Fl. Austr.* vii. 22; *B. M.* t. 2575.—*C. congesta* Kunth, *En.* v. 23.—Queensland, N. S. Wales.— $\frac{1}{2}$. June–July.

terminalis Kunth, *En.* v. 25; *Fl. Austr.* vii. 21; *Nich. Dict.* ii. 375.—Tropical Asia, Australia.— $\frac{1}{2}$. June–July.

COREOPSIS L.—*N. Pff.* iv. 242.—Compositæ–Heliantheæ–Coreopsidinæ.

auriculata L.—*DC.* v. 571; *Nich. Dict.* ii. 376.—N. America.— $\frac{1}{4}$. May–June.

coronata Hook. *B. M.* t. 3460; *DC.* vii. 289.—Texas.— $\frac{1}{4}$. May–June.

grandiflora Nutt.—*DC.* v. 572; *Lodd. B. C.* t. 1290.—N. America.— $\frac{1}{4}$. May–June.

lanceolata L.—*DC.* v. 570; *B. M.* t. 2451.—N. America.— $\frac{1}{4}$. May–June.

CORIARIA L.—*N. Pff.* iii. 5. 129.—Coriariaceæ.

japonica A. Gray.—*B. M.* t. 7509.—Japan.— $\frac{1}{2}$. March–April.

***myrtifolia** L.—*DC.* i. 739; *Ardoino, Fl. Alp. Mar.* 88; *Fl. d'It.* n. 2629.—Western Mediterranean region.— $\frac{1}{2}$. March–April.

CORIS *L.*—*N. Pff.* iv. 1. 166.—Primulaceæ—Corideæ.

***monspeliensis** *L.*—*DC.* viii. 59; *Ardoino, Fl. Alp. Mar.* 311; *B. M.* t. 2131; *Fl. d'It.* n. 2706.—Mediterranean region.— $\mathcal{U}$. April–June.

CORNUS *L.*—*N. Pff.* iii. 8. 265.—Cornaceæ—Cornoideæ.

capitata *Wall.*—*DC.* iv. 273; *Fl. Brit. Ind.* ii. 745; *Wangerin, Corn. (R. V. C.),* 89.—*Benthamia fragifera* *Lindl. Wight, Ill.* t. 122; *B. M.* t. 4641.—Himalaya.— $\mathfrak{h}$.

***sanguinea** *L.*—*DC.* iv. 272; *Ardoino, Fl. Alp. Mar.* 152; *Fl. d'It.* n. 2420.—Europe, W. Asia.— $\mathfrak{h}$. May–June.

COROKIA *A. Cunn.*—*N. Pff.* iii. 8. 264.—Cornaceæ—Cornoideæ.

buddleioides *A. Cunn.*—*Hdb. Fl. N. Zeald.* 106.—New Zealand.— $\mathfrak{h}$.

Cotoneaster *Raoul.*—*Hdb. Fl. N. Zeald.* 106; *Bossche, Ic. Sel.* t. 73.—New Zealand.— $\mathfrak{h}$.

‡**CORONILLA** *L.*—*N. Pff.* iii. 3. 311.—Leguminosæ—Papilionatæ—Hedysareæ—Coronillinæ.

coronata *L.*—*DC.* ii. 310; *Fl. d'It.* n. 2102.—S. Europe.— $\mathcal{U}$. May.

glauca *L.*—*DC.* ii. 309; *B. M.* t. 13.—S. France, Italy, Sicily.— $\mathfrak{h}$. February–May.

junceae *L.*—*DC.* ii. 309; *Lodd. B. C.* t. 235; *Fl. d'It.* n. 2104.—Western Mediterranean region.— $\mathfrak{h}$. April–June.

***minima** *L.*—*DC.* ii. 309; *Ardoino, Fl. Alp. Mar.* 119; *B. M.* t. 2179; *Fl. d'It.* n. 2103.—S. Europe.— $\mathcal{U}$. May–June.

***scorpioides** *Koch.*—*Ardoino, Fl. Alp. Mar.* 119; *Fl. d'It.* n. 2099.—Mediterranean region, Persia.— $\odot$. May–July.

valentina *L.*—*DC.* ii. 309; *Ardoino, Fl. Alp. Mar.* 118; *B. M.* t. 185; *Fl. d'It.* n. 2105.—Spain, Italy, Sicily.— $\mathfrak{h}$. February–May.

CORREA *Sm.*—*N. Pff.* iii. 4. 144.—Rutaceæ—Rutoideæ—Boroniæ—Correinæ.

alba *Andr.*—*DC.* i. 719; *Fl. Austr.* i. 354; *Vent. J. Malin.* t. 13.—Victoria, S. Australia, Tasmania.— $\mathfrak{h}$. November–May.

cardinalis *F. M.* = *speciosa*.

coccinea *Hort.*—Garden origin.— $\mathfrak{h}$.

CORREA (*continued*).

Lawrenciana Hook.—*Fl. Austr.* i. 355.—Victoria, Tasmania.
—½. September–May.

speciosa Ait. (var. *normalis*).—*DC.* i. 719; *Fl. Austr.* i. 355; *B. M.* t. 1746, 1901, 4912.—N. S. Wales, Victoria, Tasmania.—½. November–May.

CORTADERIA Stapf.—*Gard. Chron.* 1897, ii. 396.—Gramineæ–Festuceæ.

argentea Stapf.—*Gard. Chron.* l. c.—*Gynerium argenteum* Nees.—Brazil, Argentina.—¼. September–October.

CORYNOCARPUS Forst.—*N. Pff. Nachtr.* i. 215.—Corynocarpaceæ.

lævigata Forst.—Hook. *fil. Hdb. Fl. N. Zeal.* 46; *B. M.* t. 4379.—New Zealand.—½. April.

Corypha Gebanga Hort. (*non* Blume) = *Livistona oliviformis*.

COSMOS Cav.—*N. Pff.* iv. 5. 245.—Compositæ–Heliantheæ–Coreopsidinæ.

bipinnatus Cav.—*DC.* v. 606; *B. M.* t. 1535.—Mexico.— $\odot$. September–November.

diversifolius var. **atrosanguineus** Hook. *B. M.* t. 5227.—*Dahlia Zimapani* Hort.—Mexico.—¼. June.

sulphureus Cav.—*DC.* v. 606.—Mexico.— $\odot$. September–November.

COTINUS Tourn.—*N. Pff.* iii. 5. 164.—Anacardiaceæ–Rhoideæ.

***Coggyria** Scop.—*Engl. l. c.*—*Rhus Cotinus* L. *DC.* ii. 67; *Fl. d'It.* n. 2457.—S. Europe, Mediterranean region.—½. May–June.

COTONEASTER Medic.—*N. Pff.* iii. 3. 21.—Rosaceæ–Pomoideæ–Pomarieæ.

angustifolia Franchet.—*Pyracantha angustifolia* Schneider, *Hdb. Laubh.* i. 761; *B. M.* t. 8345.—Yunnan.—½. May.

affinis Lindl.—*DC.* ii. 632; *Fl. Brit. Ind.* ii. 385; *Lodd. B. C.* t. 919.—Himalaya.—½. June.

bacillaris Wall.—*Fl. Brit. Ind.* ii. 384.—Himalaya.—½.

Francheti Bois.—Schneider, *Hdb. Laubh.* i. 570.—Thibet, Yunnan.—½.

horizontalis Decne. in *Fl. d. S.* xx. 168; Schneider, *Hdb. Laubh.* i. 745.—China.—½. May.

microphylla Wall.—*Ref. Bot.* t. 49; Schneider, *Hdb. Laubh.* i. 760.—Himalaya.—½. May.

COTONEASTER (*continued*).

pannosa Franchet.—Schneider, *Hdb. Laubh.* i. 754.—Yunnan.— $\frac{1}{2}$. May–June.

rotundifolia Wall.—Schneider, *Hdb. Laubh.* i. 759; *B. M.* t. 8010.—Himalaya.— $\frac{1}{2}$. May.

Simonsii Bak. *Ref. Bot.* t. 55; Schneider, *Hdb. Laubh.* i. 746.—Himalaya.— $\frac{1}{2}$.

thymifolia Bak. *Ref. Bot.* t. 50.—Himalaya.— $\frac{1}{2}$ May–June.

† **COTYLEDON** DC.—*Eucotyledon* in *N. Pff.* iii. 2a. 32.—Crassulaceæ.

Barbeyi Schweinfth.—*Gard. Chron.* 1893, i. 624.—Abyssinia.— $\frac{1}{2}$. June–July.

coruscans Haw.—DC. iii. 396; *Fl. Cap.* ii. 371; *B. M.* t. 2601.—S. Africa.— $\frac{1}{4}$. May–June.

cristata Haw.—DC. iii. 399; *Fl. Cap.* ii. 376.—S. Africa.— $\frac{1}{4}$.

decussata Sims in *B. M.* t. 2518; *Fl. Cap.* ii. 372.—S. Africa.— $\frac{1}{2}$.

Eckloniana Harv.—*Fl. Cap.* ii. 374.—S. Africa.— $\frac{1}{4}$.

fascicularis Ait.—DC. iii. 397; *Fl. Cap.* ii. 374.—S. Africa.— $\frac{1}{4}$ $\frac{1}{2}$.

gracilis Harv.—*Fl. Cap.* ii. 373.—S. Africa.— $\frac{1}{4}$. February–May.

hemisphærica L.—DC. iii. 398; *Fl. Cap.* ii. 376.—S. Africa.— $\frac{1}{4}$.

macrantha Berger in *Monatsschrift für Kakteenkunde*, x. 1900, 106.—S. Africa.— $\frac{1}{2}$. December–May.

orbiculata L.—DC. iii. 396; *Fl. Cap.* ii. 371; *B. M.* t. 321.—S. Africa.— $\frac{1}{2}$. June–July.

reticulata Thunb.—DC. iii. 398; *Fl. Cap.* ii. 376; *Bossche, Ic. Sel.* t. 123.—Cape.— $\frac{1}{4}$ $\frac{1}{2}$. May–June.

teretifolia Thunb.—DC. iii. 397; *Fl. Cap.* ii. 373.—S. Africa.— $\frac{1}{4}$. June–July.

undulata Haw.—DC. iii. 396; *B. M.* t. 7931.—S. Africa.— $\frac{1}{4}$. June.

ventricosa Burm.—DC. iii. 397; *Fl. Cap.* ii. 375.—S. Africa.— $\frac{1}{4}$.

COWANIA Don.—*N. Pff.* iii. 3. 38.—Rosaceæ–Rosoidæ–Potentilleæ–Dryadinæ.

mexicana Don.—Schneider, *Hdb. Laubh.* i. 527.—Western N. America.— $\frac{1}{2}$. June–July.

- CRAMBE** *L.*—*N. Pff.* iii. 2. 181.—Cruciferæ—Sinapeæ—Brassicinæ.
junceæ *Bieb.*—*DC.* i. 226.—Caucasus, Himalaya.— $\frac{1}{2}$.
maritima *L.*—*DC.* i. 225; *Fl. d' It.* n. 1423—European sea-shores.— $\frac{1}{2}$. May.
pinnatifida *R. Br.*—*DC.* i. 225.—Caucasus, S. E. Europe.— $\frac{1}{2}$.

- CRASSULA** *L.*—*N. Pff.* iii. 2 a. 35.—Crassulaceæ.
abyssinica *A. Rich.*—*Fl. Trop. Afr.* ii. 388.—Abyssinia.— $\frac{1}{2}$ $\frac{1}{2}$. April–July.
acutifolia *Lam.*—*DC.* iii. 384; *Fl. Cap.* ii. 340; *DC. Pl. Gr.* t. 2.—Cape.— $\frac{1}{2}$.
arborescens *Willd.*—*DC.* iii. 383; *Fl. Cap.* ii. 337; *B. M.* t. 384.—S. Africa.— $\frac{1}{2}$.
Bolusii *Hook. fil.*—*B. M.* t. 6194.—S. Africa.— $\frac{1}{2}$. November–January.
canescens *DC.* iii. 391; *Fl. Cap.* ii. 364.—*Globulea canescens* *Haw.*—S. Africa.— $\frac{1}{2}$. June–July.
columnaris *L. fil.*—*DC.* iii. 385; *Fl. Cap.* ii. 358.—Cape.— $\frac{1}{2}$.
cordata *Ait.*—*DC.* iii. 386; *Fl. Cap.* ii. 347; *DC. Pl. Gr.* t. 121; *Jacq. H. Sch.* t. 431.—S. Africa.— $\frac{1}{2}$.
corymbulosa *Link.*—*Fl. Cap.* ii. 348.—S. Africa.— $\frac{1}{2}$. May–June.
cultrata *L.*—*DC.* iii. 391; *Fl. Cap.* ii. 363; *B. M.* t. 1940.—S. Africa.— $\frac{1}{2}$. May–June.
deltoidea *L. fil.*—*DC.* iii. 386; *Fl. Cap.* ii. 350.—S. Africa.— $\frac{1}{2}$.
divaricata *E. & Z.*—*Fl. Cap.* ii. 339.—S. Africa.— $\frac{1}{2}$.
ericoides *Haw.*—*DC.* iii. 385; *Fl. Cap.* ii. 350.—S. Africa.— $\frac{1}{2}$. November–January.
falcata *Willd.*—*DC.* iii. 393; *Fl. Cap.* ii. 338; *DC. Pl. Gr.* t. 103; *B. M.* t. 2035.—S. Africa.— $\frac{1}{2}$. June–July.
hemisphærica *Thunb.*—*DC.* iii. 387; *Fl. Cap.* ii. 367; *Marloth, Kapland*, 227.—S. Africa.— $\frac{1}{2}$.
impressa *N. E. Br.*—*Kew Bull. Add. Ser.* iv. 109; *Nich. Dict. Suppl.* 264.—*C. Schmidtii* *Regel.*—S. Africa.— $\frac{1}{2}$. September–May.
lactea *Ait.*—*DC.* iii. 383; *Fl. Cap.* ii. 337; *DC. Pl. Gr.* t. 37; *B. M.* t. 1771.—S. Africa.— $\frac{1}{2}$ $\frac{1}{2}$. December–January.
lycopodioides *Lam.*—*DC.* iii. 385; *Fl. Cap.* ii. 351.—S. Africa.— $\frac{1}{2}$. May.
 „ var. *pseudolycopodioides* *Schinz.*—German S.W. Africa— $\frac{1}{2}$.
 „ var. *viridis.*— $\frac{1}{2}$. May.

CRASSULA (*continued*).

marginalis *Ait.*—*DC.* iii. 385; *Fl. Cap.* ii. 354; *Jacq. H. Sch.* t. 471.—S. Africa.— $\frac{1}{2}$.

monticola *N. E. Br.*—*Kew Bull. Add. Ser.* iv. 109.—S. Africa.— $\frac{1}{2}$. May.

multicava *Lem. Ill. Hort.* ix. 30; *Lem. Pl. Gr.* 41.—S. Africa.— $\frac{1}{2}$. May.

pallida *Bak.*—*Gard. Chron.* 1874, i. 766.—S. Africa.— $\frac{1}{2}$. June–July.

perfoliata *L.*—*DC.* iii. 393; *Fl. Cap.* ii. 338.—S. Africa.— $\frac{1}{2}$. June–July.

perforata *L. fil.*—*DC.* iii. 385; *Fl. Cap.* ii. 338.—S. Africa.— $\frac{1}{2}$.

perfossa *Lam.*—*DC.* iii. 385; *Fl. Cap.* ii. 338; *DC. Pl. Gr.* t. 25; *Jacq. H. Sch.* t. 432.—S. Africa.— $\frac{1}{2}$.

portulacea *Lam.*—*DC.* iii. 383; *Fl. Cap.* ii. 337; *DC. Pl. Gr.* t. 79.—S. Africa.— $\frac{1}{2}$. March–April.

pyramidalis *L. fil.*—*DC.* iii. 388; *Fl. Cap.* ii. 358; *B. M.* t. 7665.—Cape.— $\frac{1}{2}$.

quadrifida *Bak. Ref. Bot.* 298 = *multicava*.

recurva *N. E. Br.* in *Gard. Chron.* 1890, ii. 684.—S. Africa.— $\frac{1}{2}$.

rosularis *Haw.*—*DC.* iii. 389; *Fl. Cap.* ii. 350; *B. M.* t. 5393.—S. Africa.— $\frac{1}{2}$. June.

rotundifolia *Haw.*—*DC.* iii. 384; *Fl. Cap.* ii. 365.—S. Africa.— $\frac{1}{2}$.

sarcocaulis *E. & Z.*—*Fl. Cap.* ii. 341.—S. Africa.— $\frac{1}{2}$ $\frac{1}{2}$. July.

spathulata *Thunb.*—*DC.* iii. 386; *Fl. Cap.* ii. 348; *DC. Pl. Gr.* t. 49.—S. Africa.— $\frac{1}{2}$. Summer.

tetragona *L.*—*DC.* iii. 384; *Fl. Cap.* ii. 339; *DC. Pl. Gr.* t. 19.—S. Africa.— $\frac{1}{2}$. April–May.

trachysantha *Harv.*—*Fl. Cap.* ii. 362; *Bossche, Ic. Sel.* t. 151.—S. Africa.— $\frac{1}{2}$ $\frac{1}{2}$. April–May.

turrita *Thunb.*—*DC.* iii. 388; *Fl. Cap.* ii. 348; *Jacq. H. Sch.* t. 52.—S. Africa.— $\frac{1}{2}$.

CRATÆGUS *L.*, sub *Mespilus* in *N. Pff.* iii. 3. 26.—Rosaceæ—Pomoideæ—Pomariææ.

Azarolus *L.*—*DC.* ii. 629; *Fl. d'It.* n. 1841.—S. France, Italy.— $\frac{1}{2}$. April–May.

Carrierei *Hort.*—*Gard. Chron.* 1897, i. 119.—Garden origin.— $\frac{1}{2}$. March.

crenulata *Roxb.*—*DC.* ii. 626; *Fl. Brit. Ind.* ii. 384.—Himalaya.— $\frac{1}{2}$. April.

CRATÆGUS (*continued*).

maloides Sarg. *Trees & Shrubs*, 9.—N. W. America.— $\mathcal{U}$.

**Oxyacantha* L.—DC. ii. 628; *Fl. d'It.* n. 1842.—Europe.— $\mathfrak{h}$. April.

Pyracantha Pers.—DC. ii. 626.—S. Europe.— $\mathfrak{h}$. April–May.
trilobata Labill. = *Pirus trilobata*.

CRINODENDRON Mol.—N. Pff. iii. 6. 5.—Elæocarpaceæ.

Pataqua Mol.—N. Pff. l. c.—*Tricuspidaria dependens* Rz. & Pav.—DC. i. 520; B. M. t. 8115.—Chili.— $\mathfrak{h}$.

CRINUM L.—N. Pff. ii. 5. 108.—Amaryllidaceæ—Amaryllidoideæ—Amaryllideæ—Crineæ.

asiaticum L.—Kunth, *En.* ii. 547; *Bak. Am.* 75; B. M. t. 1073.
—China, India.— $\mathcal{U}$.

capense Herb. = *longifolium*.

crassifolium Herb. = *variabile*.

flaccidum Herb.—*Fl. Austr.* vi. 454; *Bak. Am.* 88; B. M. t. 2133.—N. S. Wales, S. Australia.— $\mathcal{U}$.

giganteum Andr.—Kunth, *En.* ii. 569; *Bak. Am.* 91; *Fl. Trop. Afr.* vii. 404; B. M. t. 5205.—Sierra Leone.— $\mathcal{U}$.

latifolium L.—Kunth, *En.* v. 573; *Bak. Am.* 87; *Wight, Ic.* t. 2019–20.—India.— $\mathcal{U}$.

longifolium Thunb.—*Bak. Am.* 93.—B. M. t. 661; *Red. Lil.* t. 347.—Kunth, *En.* v. 612.—S. Africa.— $\mathcal{U}$. June.

Moorei Hook. *fil.*—*Bak. Am.* 93; B. M. t. 6113.—S. Africa.— $\mathcal{U}$. July.

pedunculatum R. Br.—*Bak. Am.* 77; *Red. Lil.* t. 408.—E. Australia.— $\mathcal{U}$.

Powellii Hort.—*Bak. Am.* 95.—Garden origin.— $\mathcal{U}$. June–July.

pratense Herb.—*Bak. Am.* 82.—India.— $\mathcal{U}$.

variabile Herb.—*Bak. Am.* 92; *Fl. Cap.* vi. 199.—*Jacq. H. Sch.* t. 429.—Cape.— $\mathcal{U}$.

yuccæflorum Salisb.—*Bak. Am.* 89; B. M. t. 2121; *Lodd. B. C.* t. 668.—Sierra Leone.— $\mathcal{U}$.

CRITHMUM Tourn.—N. Pff. iii. 8. 201.—Umbelliferæ—Apioidæ—Ammineæ—Seselinæ.

**maritimum* L.—DC. iv. 164; *Fl. d'It.* n. 2412.—European and Mediterranean shores, Canaries.— $\mathcal{U}$. July–October.

CROCOSMA Planch.—N. Pff. ii. 5. 155, sub *Tritonia*.—Iridaceæ—Ixioidæ—Gladiolæ.

aurea Planch.—*Bak. Irid.* 189; B. M. t. 4335.—S. E. Africa.— $\mathcal{U}$.

CROCUS *L.*—*N. Pff.* ii. 5. 142.—Iridaceæ—Crocoideæ.

Boryi *J. Gay.*—*Bak. Irid.* 92; *B. M. t.* 6187.—Greece.— $\frac{1}{4}$.

sativus *L.*—*Bak. Irid.* 86; *Red. Lil. t.* 173; *Fl. d'It. n.* 768.

Orient.— $\frac{1}{4}$. January–March.

speciosus *M. B.*—*Bak. Irid.* 94; *B. M. t.* 3861.—S.E. Europe,

Orient.— $\frac{1}{4}$.

suaveolens *Bertol.*—*Bak. Irid.* 82; *B. M. t.* 3864.—Italy.— $\frac{1}{4}$.

Tommasinianus *Herb.*—*Bak. Irid.* 83.—Dalmatia, Servia.

— $\frac{1}{4}$.

versicolor *Ker.* in *B. M. t.* 1110; *Bak. Irid.* 81; *Moggr. t.* 40;

Bickn. Pl. Riv. t. 65; *Fl. d'It. n.* 765.—Liguria, mountains
above La Mortola.— $\frac{1}{4}$. January–April.

Weldenii *Hoppe.*—*Bak. Irid.* 79; *B. M. t.* 6211.—Dalmatia,

— $\frac{1}{4}$.

zonatus *J. Gay.*—*Bak. Irid.* 87; *Gard. Chron.* 1898, i. 85.—

Cilicia.— $\frac{1}{4}$.

CROSSOSOMA *Nutt.*—*N. Pff. Nachtr.* 186.—Crossosomataceæ.

californicum *Nutt.*—*N. Pff. l. c.*; *Gard. Chron.* 1903, ii. 130;

B. M. t. 7949.—Western New Mexico.— $\frac{1}{2}$. May–June.

CROTALARIA *L.*—*N. Pff.* iii. 226.—Leguminosæ—Papilionatæ—
Genisteæ—Crotalariinæ.

capensis *Jacq.*—*DC.* ii. 130; *Fl. Cap.* ii. 46; *Wood, Natal*

Pl. t. 92; *B. M. t.* 7950.—S. Africa.— $\frac{1}{2}$. Nearly always.

CROWEA *Sm.*—*N. Pff.* iii. 140.—Rutaceæ—Rutoideæ—Erioste-
moninæ.

saligna *Andr.*—*DC.* i. 720; *Fl. Austr.* i. 329; *B. M. t.* 989.—

N. S. Wales.— $\frac{1}{2}$. Spring.

†**CRYPTOMERIA** *Don.*—*N. Pff.* ii. 1. 89.—Pinaceæ—Abietinæ—
Taxodiinæ.

japonica *Don.*—*DC.* xvi. 2. 438; *Sieb. Fl. Jap.* i. 124.—

Japan, China.— $\frac{1}{2}$.

†**CRYPTOSTEGIA** *R. Br.*—*N. Pff.* iv. 2. 218.—Asclepiadaceæ—
Periplocoideæ—Periploceæ.

grandiflora *R. Br.*—*DC.* viii. 492; *Fl. Brit. Ind.* iv. 6; *Wight,*

Ic. t. 832.—India, Tropical Africa.— $\frac{1}{2}$.

CRYPTOTÆNIA *DC.*—*N. Pff.* iii. 8. 189.—Umbelliferæ—Apioi-
deæ—Ammineæ.

canadensis *DC.* iv. 119.—N. America.— $\frac{1}{4}$.

CUCUMIS *L.*—*N. Pff.* iv. 5. 27.—Cucurbitaceæ—Cucurbiteæ—Cucumerinæ.

Dudaim *L.*—*DC.* iii. 301.—Persia.—☉. Summer.

Melo *L.*—*DC.* iii. 300; *Fl. d'It.* n. 3397.—Tropical Asia and Africa.—☉. Summer.

myriocarpus *Naudin* in *Ann. Sc. Nat. Sér.* iv. xi. 1859, 22.—S. Africa.—☉. Summer.

prophetarum *L.*—*DC.* iii. 301; *Fl. Brit. Ind.* ii. 619.—From tropical Africa to India.—☉. Summer.

Sacleuxii *Hort.*—*Kew Bull.* 1891, *Add.* ii. 40.—Zanzibar.—☉. Summer.

sativus *L.*—*DC.* iii. 300; *Fl. Brit. Ind.* ii. 620; *Fl. d'It.* n. 3396.—Tropics.—☉. Summer.

CUCURBITA *L.*—*N. Pff.* iv. 5. 33.—Cucurbitaceæ—Cucurbiteæ—Cucurbitinæ.

argyrosperma *Hort.*—☉. Summer.

ficifolia *Bouché.*—*N. Pff.* l. c. 34; *Hort. Vilm.* fig. 39.—*C. melanosperma* *A. Br.*—America?—☉. Summer.

maxima *Duch.*—*DC.* iii. 316; *Fl. Brit. Ind.* ii. 622; *Fl. d'It.* n. 3399.—Tropics.—☉. Summer.

moschata *Duch.*—*DC.* iii. 317; *Fl. Brit. Ind.* ii. 622; *Wight, Ill.* t. 105, *lc.* t. 507; *Fl. d'It.* n. 3398.—Tropics.—☉. Summer.

Pepo *L.*—*DC.* iii. 317; *Fl. Brit. Ind.* ii. 622; *Fl. d'It.* n. 3400.—Tropics.—☉. Summer.

perennis *A. Gray.*—*Nich. Dict.* 408.—Mexico?—☿. Summer.

CUDRANIA *Tréc.*—*N. Pff.* iii. 1. 82.—Moraceæ—Artocarpoideæ—Euartocarpeæ.

javanensis *Tréc.*—*Fl. Austr.* vi. 179; *Fl. Brit. Ind.* v. 538.—N. S. Wales, Queensland, Java, India.—♂.

CUPHEA *P. Br.*—*N. Pff.* iii. 7. 9.—Lythraceæ—Lythreæ—Lythrinæ.

cyanea *DC.* iii. 85; *Koehne, Lythrac. (R. V. C.)* iv. 216), 172.—*C. strigulosa* *Fl. d. S.* i. 39. with figure.—Mexico.—♂.

eminens *Pl. & Lind.* = *micropetala*.

lanceolata *Ait.*—*DC.* iii. 85; *Koehne, Lythrac. (R. V. C.)*, 132.—Mexico.—☉. Summer.

micropetala *H. B. K.*—*DC.* iii. 84; *Koehne, Lythrac. (R. V. C.)*, 161.—*C. jorullensis* *Lindl. B. M.* t. 5332.—*C. eminens* *Pl. & Lind.* *Fl. d. S.* t. 994.—Mexico.—☿. Autumn to spring.

platycentra *Lem. Fl. d. S.* t. 180; *Koehne, Lythrac. (R. V. C.)*, 167.—Mexico.—☿. All the year.

strigulosa *Lem.* = *cyanea*.

- ‡ **CUPRESSUS** *L.*—*N. Pff.* ii. 1. 99.—Pinaceæ—Cupressineæ—Cupressinæ.
arizonica *E. L. Greene.*—*N. Pff. Nachtr.* 1. 25; *Bossche, Ic. Sel.* t. 145.—California.—½. Spring.
Benthami *Endl.* = *lusitanica*.
funebri *Endl.*—*DC.* xvi. 2. 471; *Henkel & Hochst.* 236.—China.—½. Spring.
Goveniana *Gordon.*—*DC.* xvi. 2. 472; *Henkel & Hochst.* 240.—California.—½. Spring.
guadalupensis *S. Wats.*—*N. Pff.* l. c. 25.—Guadaloupe Islands.
Lawsoniana *Andr.*—*Veitch, Man. Conif.* 231; *B. M.* t. 5581. *DC.* xvi. 2. 464, sub *Chamæcyparis*.—N. W. America.—½. Spring.
lusitanica *Mill. Dict.* n. 3.—*DC.* xvi. 2. 470, as *C. glauca* *Lam.*—Mexico.—½. Spring.
 „ var. **Benthami** *Henry.*—Mexico.—½. Spring.
macrocarpa *Hartw.*—*DC.* xvi. 2. 473; *Henkel & Hochst.* 239.—California.—½. Spring.
sempervirens *L.*—*DC.* xvi. 2. 468; *Henkel & Hochst.* 230; *Fl. d'It.* n. 93.—Eastern Mediterranean region.—½. Spring.
 „ var. **horizontalis** *Parl.*—*DC.* xvi. 2. 468, &c.—½. Spring.
torulosa *Don.*—*DC.* xvi. 2. 469; *Henkel & Hochst.* 233; *Fl. Brit. Ind.* v. 645; *Fl. Or.* v. 705.—India, Persia, Syria, Asia Minor.—½. Spring.
- CUSSONIA** *Thunb.*—*N. Pff.* iii. 8. 53.—Araliaceæ—Schefflereæ.
spicata *Thunb.*—*DC.* iv. 255; *Fl. Cap.* ii. 568; *Marloth, Kapland*, 264.—S. Africa.—½.
- CYATHULA** *Lour.*—*N. Pff.* iii. 1a. 107.—Amarantaceæ—Amarantoideæ—Amarantæ—Achyranthinæ.
globulifera *Moq.*—*DC.* xiii. 2. 329.—S. Africa, Madagascar.—¼ ½. Spring.
- ‡ **CYCAS** *L.*—*N. Pff.* ii. 1. 21.—Cycadaceæ—Cycadeæ.
neo-caledonica *Linden.*—*Nich. Dict.* 416.—New Caledonia.—½.
Normanbyana *F. M.*—*Nich. Dict.* 416.—Australia.—½.
revoluta *Thunb.*—*DC.* xvi. 2. 526; *B. M.* t. 2963-4.—Japan.—½. Summer.

- CYCLAMEN** *L.*—*N. Pff.* iv. 1. 115; *Pax* in *R. V. C.* iv. 237. 246.—Primulaceæ—Cyclamineæ.
africanum *Boiss. & Reut.*—*Pax l. c.* 254; *B. M. t.* 5758.—Algier.— $\mathcal{U}$. September–October.
cyprium *Unger & Kotschy.*—*Pax l. c.* 254.—Cyprus.— $\mathcal{U}$.
europæum *L.*—*DC.* viii. 56; *Pax l. c.* 250; *Fl. d'It.* n. 2693.—Europe.— $\mathcal{U}$. February–April.
neapolitanum *Ten.*—*DC.* viii. 57; *Pax l. c.* 254; *Fl. d'It.* n. 2691.—Central and eastern Mediterranean region.— $\mathcal{U}$. September–October.
persicum *Mill. Dict.* ed. 8, n. 3; *DC.* iii. 57; *Pax l. c.* 248; *B. M. t.* 44.—Greece, Asia Minor.— $\mathcal{U}$. February–April.
repandum *Sibth. & Sm.*—*DC.* viii. 57, sub *C. vernum* *Lob.*; *Pax l. c.* 251.—Central and eastern Mediterranean region.— $\mathcal{U}$. March.
- CYCLANTHERA** *Schrad.*—*N. Pff.* iv. 5. 38.—Cucurbitaceæ—Cyclanthaceæ.
explodens *Naud.*—*N. Pff. l. c.* 38.—New Granada.— $\odot$. Summer.
pedata *Schrad.*—*N. Pff. l. c.* 39.—Mexico.— $\odot$. Summer.
- CYDONIA** *Mill.*—*N. Pff.* iii. 3. 22.—Rosaceæ—Pomoideæ—Pomariæ.
oblonga *Mill. Dict.* ed. 8, n. 1.—*C. vulgaris* *Pers. DC.* ii. 638; *Fl. d'It.* n. 1849.—S. Europe.— $\frac{1}{2}$. April–May.
sinensis *Thouin.*—*DC.* ii. 638; *B. M. t.* 7988.—China.— $\frac{1}{2}$. March–April.
- CYMBIDIUM** *Sw.*—*N. Pff.* ii. 6. 184.—Orchidaceæ—Monandraceæ—Cymbidiinæ.
aloifolium *Swartz.*—*Fl. Brit. Ind.* vi. 10; *King & Pantl. Orch. Him.* iii. t. 252.—Himalaya.— $\mathcal{U}$.
- CYNANCHUM** *L.*—*N. Pff.* iv. 2. 251.—Asclepiadaceæ—Cynanchoideæ—Asclepiadeæ.
roseum *R. Br.*—*DC.* viii. 532.—Siberia.— $\mathcal{U}$. Spring.
- CYNARA** *L.*—*N. Pff.* iv. 5. 323.—Compositæ—Cynareæ—Carduineæ.
Cardunculus *L.*—*DC.* vi. 620; *B. M. t.* 2862; *Fl. d'It.* n. 3804 α .—Mediterranean region.— $\mathcal{U}$. June–July.
 „ var. **Scolymus** *L.*—*Fl. d'It.* n. 3804 β .—Cultivated variety.— $\mathcal{U}$.
horrida *Ait.*—*DC.* vi. 620.—Madeira.— $\mathcal{U}$. June–July.
humilis *L.*—*DC.* vi. 620.—S. Europe.— $\mathcal{U}$. June–July.

CYNOGLOSSUM *L.*—*N. Pff.* iv. 3 a. 102.—Borraginaceæ—Cynoglosseæ.

pictum *Sol.*—*DC.* x. 147; *B. M.* t. 2134; *Bickn. Pl. Riv.* t. 41; *Fl. d'It.* n. 2820.—S. Europe, N. Africa.—⊕. April–May.

‡ **CYNOMORIUM** *Micheli.*—*N. Pff.* iii. 250.—Balanophoraceæ—Cynomoroideæ.

coccineum *L.*—*DC.* xvii. 123; *Fl. d'It.* n. 951.—Mediterranean regions, Canaries.— $\frac{1}{2}$. April–May.

CYPELLA *Herb.*—*N. Pff.* ii. 5. 147.—Iridaceæ—Iridoideæ—Morææ—Maricinæ.

Herberti *Herb.*—*Bak. Irid.* 63; *B. M.* t. 2599.—S. Brazil, Uruguay.— $\frac{1}{2}$.

CYPERUS *L.*—*N. Pff.* ii. 2. 107.—Cyperaceæ—Scirpioideæ—Cyperinæ.

alternifolius *L.*—*Kunth, En.* ii. 33.—Madagascar.— $\frac{1}{2}$. June–July.

flabelliformis *Rottb.*—*Kunth, En.* ii. 32.—Arabia, Abyssinia.— $\frac{1}{2}$.

natalensis *Hochst.*—*Fl. Cap.* vii. 181.—S. Africa.— $\frac{1}{2}$.

Papyrus *L.*—*Kunth, En.* ii. 64; *Fl. d'It.* n. 402.—Egypt, Sudan, Sicily.— $\frac{1}{2}$. May–June.

reflexus *Vahl.*—*Kunth, En.* ii. 42.—Chili, Argentina.— $\frac{1}{2}$.

‡ **CYPHOMANDRA** *Sendt.*—*N. Pff.* iv. 3 b. 35.—Solanaceæ—Solaneæ—Mandragorinæ.

betacea *Sendt.*—*DC.* xiii. 1. 393; *Gard. Chron.* 1900, ii. 436; *B. M.* t. 7682.—Central and S. America.— $\frac{1}{2}$. Spring–autumn.

fragrans *Sendt.*—*DC.* xiii. 1. 391; *B. M.* t. 3684.—Argentina.— $\frac{1}{2}$. June–July.

Cypripedium *L.* = *Paphiopedilum*.

CYRILLA *L.*—*N. Pff.* iii. 5. 182.—Cyrillaceæ.

racemiflora *L.*—*N. Pff. l. c.*; *Gard. Chron.* 1901, ii. 199.—Carolina, Florida to the W. Indies and N. Brazil.— $\frac{1}{2}$.

Cyrtanthera *Nees* = *Jacobinia*.

CYRTANTHUS *Ait.*—*N. Pff.* ii. 5. 109.—Amaryllidaceæ—Amaryllidoideæ—Crininæ.

Mackenii *Hook. fil.*—*Fl. Cap.* vi. 225; *Ref. Bot.* t. 355.—S. Africa.— $\frac{1}{2}$.

obliquus *Ait.*—*Fl. Cap.* vi. 219; *B. M.* t. 1133.—S. Africa.— $\frac{1}{2}$.

Cyrtomium Presl. = *Polystichum*.

CYSTOPTERIS Bernh. — *N. Pff.* i. 4. 163. — Polypodiaceæ—Woodsieæ.

**fragilis* Bernh. — *Hook. Syn. Fil.* 103; *Fl. d'It.* n. 20.—Europe, Asia, America, New Zealand.—4.

CYTISUS L.—*N. Pff.* iii. 3. 239.—Leguminosæ—Papilionatæ—Cytisinæ.

æolicus Guss.—*Fl. d'It.* n. 1875; *Schneider, Hdb. Laubh.* ii. 46.—Lipari Islands.—½. April.

albus Link.—*DC.* ii. 153; *Schneider, Hdb. Laubh.* ii. 43.—Portugal.—½.

Ardoini Fourn.—*Fl. d'It.* n. 1877; *Moggr.* t. 58; *Schneider, Hdb. Laubh.* ii. 45.—Maritime Alps.—½.

austriacus L.—*DC.* ii. 156; *Schneider, Hdb. Laubh.* ii. 55.—S. Europe and Siberia.—½. April–May.

biflorus L'Hér.—*DC.* ii. 155.—Austria, Taurus, Siberia.—½.

capitatus Scop.—*DC.* ii. 156; *Lodd. B. C.* t. 497; *Fl. d'It.* n. 1879 δ.—South Italy.—½. April–May.

filipes Webb & Berth.—*Nich. Dict.* i. 430; *Schneider, Hdb. Laubh.* ii. 43.—Teneriffe.—½. March–April.

fragrans Lam.—*C. nubigenus* Link. *DC.* ii. 153.—Teneriffe.—½.

Heuffelii Wierzb. = *austriacus*.

Hillebrandtii Briquet.—*Bossche, Ic. Sel.* t. 178.—Canaries.—½. April.

hirsutus L.—*DC.* ii. 156; *Bickn. Pl. Riv.* t. 13; *Fl. d'It.* n. 1879; *B. M.* t. 6819.—S. Europe.—½. April–May.

Laburnum L. = *Laburnum vulgare*.

monspessulanus L.—*Fl. d'It.* n. 1881.—*Genista candicans* L. *DC.* ii. 145.—Mediterranean region, Azores, Canaries.—½. April.

palmensis Hort. = *filipes*.

ponticus Willd.—*DC.* ii. 157.—Asia Minor.—½.

præcox Bean.—*Gard. Chron.* 1897, i. 301; *Schneider, Hdb. Laubh.* ii. 44.—(= *C. pungens* × *albus*).—Garden origin.—½. April.

prolifer L.—*DC.* ii. 155; *Lodd. B. C.* t. 761; *B. M.* t. 1908.—Teneriffe.—½. April.

prostratus Scop.—*Fl. d'It.* n. 1879 β.—Tirol.—½. May.

purpureus Scop.—*DC.* ii. 155; *Lodd. B. C.* t. 892; *B. M.* t. 1176; *Fl. d'It.* n. 1878.—S. Europe.—½. April–June.

CYTISUS (*continued*).

scoparius *Link.*—*DC.* ii. 154 ; *Fl. d'It.* n. 1873.—Europe.—
 $\frac{1}{2}$. April–May.

„ var. **Andreanus** *Hort.*—*Nich. Dict. Suppl.* 295.—
Normandy.— $\frac{1}{2}$. March–April.

***sessilifolius** *L.*—*DC.* ii. 153 ; *Fl. d'It.* n. 1872 ; *B. M.* t. 225.
—S. Europe.— $\frac{1}{2}$. April–May.

triflorus *L'Hér.* — *DC.* ii. 154 ; *Fl. d'It.* n. 1876. — Medi-
terranean region.— $\frac{1}{2}$. February–June.

†**DAHLIA** *Cav.* — *N. Pff.* iv. 5. 239.—Compositæ–Heliantheæ–
Coreopsidinæ.

coccinea *Cav.* — *DC.* v. 794 ; *B. M.* t. 762.—Mexico.— $\frac{1}{4}$.
Summer.

imperialis *Roezl.*—*B. M.* t. 5813 ; *Gard. Chron.* 1903, ii. 178.
—Mexico.— $\frac{1}{4}$. November.

Juarezii *Hort.*—*Nich. Dict.* ii. 433. fig. 604.—Mexico.— $\frac{1}{4}$.
Summer.

Maximiliana *Hort.*—*B. M.* t. 7655.—Mexico.— $\frac{1}{2}$. Spring–
summer.

Merkii *Lehm.*—*B. M.* t. 3878, as *D. glabrata.*—*Nich. Dict.*
ii. 433. fig. 605.—Mexico.— $\frac{1}{4}$. Summer.

variabilis *Desf.*—*DC.* v. 494 ; *Nich. Dict.* ii. 433. fig. 606.—
Mexico.— $\frac{1}{4}$. Summer.

DAIS *L.*—*N. Pff.* iii. 6a. 242.—Thymelæaceæ–Thymelæoideæ–
Daphneæ–Passerininæ.

cotinifolia *L.* —*DC.* xiv. 529 ; *B. M.* t. 147.—Natal.— $\frac{1}{2}$.

DALBERGIA *L. fil.*—*N. Pff.* iii. 3. 333.—Leguminosæ–Papilio-
natæ–Dalbergiæ–Pterocarpinæ.

Sissoo *Roxb.*—*DC.* ii. 416 ; *Fl. Brit. Ind.* ii. 231 ; *Brand. Ind.*
Trees, 24.—India, Afghanistan.— $\frac{1}{2}$. May–June.

DAMNACANTHUS *Gaertn.*—*N. Pff.* iv. 4. 137.—Rubiaceæ–
Coffeoideæ–Psychotriinæ–Morindeæ.

indicus *Gaertn.*—*DC.* iv. 473 ; *Fl. Brit. Ind.* iii. 158.—Hima-
laya, Japan.— $\frac{1}{2}$.

DANÆ *Medic.*—*N. Pff.* ii. 5. 78.—Liliaceæ–Asparagoideæ–Aspa-
rageæ.

racemosa *Moench.*—*Kunth, En.* v. 277.—*Ruscus racemosus* *L.*
—Greece, Asia Minor, Persia.— $\frac{1}{2}$. July.

DAPHNE *L.*—*N. Pff.* iii. 6a. 237.—Thymelæaceæ—Thymelæoideæ
—Daphneæ—Daphninæ.

***Gnidium** *L.*—*DC.* xiv. 538; *Lodd. B. C.* t. 150; *Moggr. Fl. Ment.* t. 86; *Fl. d'It.* n. 933.—Mediterranean region.—½. June–September.

Laureola *L.*—*DC.* xiv. 539; *B. M.* t. 206; *Fl. d'It.* n. 937.—Europe.—½.

odora *Thunb.*—*DC.* xiv. 537; *B. M.* t. 1587.—*D. indica* Hort.—Japan.—½. October–February.

DAPHNIPHYLLUM *Blume.*—*N. Pff.* iii. 5. 36.—Euphorbiaceæ—Platylobeæ—Phyllanthoideæ—Daphniphyllæ.

macropodium *Miq.*—*DC.* xvi. 1. 5; *Schneider, Hdb. Laubh.* ii. 136.—Japan.—½.

‡**DASYLIRION** *Zucc.*—*N. Pff.* ii. 5. 72.—Liliaceæ—Dracænoideæ—Nolineæ.

acrotrichum *Zucc.*—*Bak. Al. & Yucc.* 239; *B. M.* t. 5030.—Mexico.—½. July.

glaucophyllum *Hook.* in *B. M.* t. 5041; *Bak. Al. & Yucc.* 239.—Mexico.—½. July.

Hookeri *Lem.*—*Bak. Al. & Yucc.* 240; *B. M.* t. 5099—Mexico.—½. July.

lucidum *Rose* in *Contr. N. York Herb.* x. 90.—Mexico.—½. July.

quadrangulatum *S. Wats.*—*Bak. Al. & Yucc.* 241; *B. M.* t. 7749.—Mexico.—½. Summer.

serratifolium *Karw.*—*Bak. Al. & Yucc.* 240.—Mexico.—½. Summer.

Wheeleri *S. Wats.*—*Bak. Al. & Yucc.* 239.—Arizona, New Mexico.—½.

‡**DATURA** *L.*—*N. Pff.* iv. 3b. 27.—Solanaceæ—Datureæ.

arborea *L.*—*DC.* xiii. i. 544; *Gard. Chron.* 1901, i. 8.—Peru, Chili.—½. All the year.

chlorantha *Hook.* in *B. M.* t. 5128.—Garden origin?—½. All the year.

Metel *L.*—*DC.* xiii. 1. 543; *B. M.* t. 1440; *Fl. d'It.* n. 2856.—Tropics.—☉. Summer.

sanguinea *Rz. & Pav.*—*DC.* viii. 1. 545.—Peru.—½. All the year.

Stramonium *L.*—*DC.* xiii. 1. 540; *Fl. d'It.* n. 2857.—Europe, Asia, Africa, America.—☉. Summer.

suaveolens *H. B. K.*—*DC.* xiii. 1. 545.—Mexico.—½. All the year.

DAUCUS *L.*—*N. Pff.* iii. 8. 248.—Umbelliferae—Apiodeae—Dauceae.
Carota *L.*—*DC.* iv. 211; *Fl. d'It.* n. 2355.—Europe, Asia.—
 ☉ ⊕.

DAVALLIA *Sm.*—*N. Pff.* i. 4. 212.—Polypodiaceae—Davallieae.
canariensis *Sm.*—*Hook. & Bak. Syn. Fil.* 97; *Lodd. B. C.*
 t. 142.—Canaries, Portugal, Morocco, &c.— $\frac{1}{2}$.
platyphylla *Don.* = *Microlepia platyphylla*.

DEBREGEASIA *Gaudich.*—*N. Pff.* iii. 1. 113.—Urticaceae—
 Boehmerieae.
velutina *Gaud.*—*Fl. Brit. Ind.* v. 590; *Gard. Chron.* 1906,
 i. 232, with plate.—India, Ceylon.— $\frac{1}{2}$. May–June.

Decabelone *Decne.* = *Tavaresia*.

DECAISNEA *Hook. fil. & Thoms.*—*N. Pff.* iii. 2. 69.—Lardi-
 zabalaceae.
Fargesii *Franch.*—*Nich. Dict. Suppl.* 305; *Hort. Vilm.* t. 2;
B. M. t. 7848.—China.— $\frac{1}{2}$.

DEERINGIA *R. Br.*—*N. Pff.* iii. 1a. 97.—Amarantaceae—
 Celosieae.
celosioides *R. Br.*—*DC.* xiii. 2. 236; *B. M.* t. 2717; *Wight*,
 Ic. t. 728; *Fl. Brit. Ind.* iv. 714.—Tropical Asia and Australia.— $\frac{1}{2}$ §. May–June.

DELPHINIUM *L.*—*N. Pff.* iii. 2. 59.—Ranunculaceae—Helle-
 boreae.
Ajaxis *L.*—*DC.* i. 51; *Moggr. Fl. Ment.* t. 52; *Fl. d'It.*
 n. 1628.—Western Mediterranean region.—☉. Spring and
 autumn.

Staphisagria *L.*—*DC.* i. 56; *Fl. d'It.* n. 1630.—Mediterra-
 nean region.—☉. May–June.

†**DENDROBIUM** *Sw.*—*N. Pff.* ii. 6. 173.—Orchidaceae—Mo-
 nandreae—Dendrobiinae.

densiflorum *Wall.*—*Fl. Brit. Ind.* v. 748; *B. M.* t. 3418.—
 Himalaya.— $\frac{1}{2}$.

nobile *Lindl.*—*Fl. Brit. Ind.* v. 740; *B. M.* t. 5003; *King &*
Pantl. Orch. Him. t. 71.—China, Himalaya.— $\frac{1}{2}$.

thyrsiflorum *Reichb. f.* = *densiflorum*.

DERMATOBOTRYS *Bolus.*—*N. Pff.* iv. 3b. 107.—Scrophu-
 lariaceae.

Saundersiae *Bolus.*—*B. M.* t. 7369; *Gard. Chron.* 1902, i.
 131.—Natal.— $\frac{1}{2}$. April.

DESMANTHUS Willd.—*N. Pff.* iii. 3. 117.—Leguminosæ—Mimosoideæ—Eumimoseæ.

brachylobus Benth. in *Hook. Journ. Bot.* 1848, 358.—N. America.—½. March–June.

DESMODIUM Desv.—*N. Pff.* iii. 3. 327.—Leguminosæ—Papilionatæ—Hedysareæ—Desmodiinæ.

cuspidatum Torr. & Gray.—Gray, *Man. Bot. North. U.S.* 100.—Northern United States.—½.

Dillenii Darl. in *Gray, Man. Bot. North. U.S.* 100.—Northern United States.—½.

oxyphyllum DC. ii. 336; *Fl. Brit. Ind.* ii. 167.—Himalaya.—½. April–May.

podocarpum DC. ii. 336; *Fl. Brit. Ind.* ii. 165.—Nepal.—½.—September–October.

Scalpe DC. ii. 334; *Fl. Brit. Ind.* ii. 165; *Wight, Ic.* t. 985. Asia, Tropical Africa.—½.

tiliæfolium Don.—*Fl. Brit. Ind.* ii. 168; *B. M.* t. 2867.—Himalaya.—½.

viridiflorum DC. ii. 329.—N. America.—½. May–June.

DEUTZIA Thunb.—*N. Pff.* iii. 2a. 72.—Saxifragaceæ—Hydrangeoideæ—Philadelphææ.

discolor Hemsl. in *Journ. Linn. Soc.* xxiii. 275; *Schneider, Hdb. Laubh.* i. 381.—China (*Wilson*, n. 470).—½.

gracilis Sieb. & Zucc. *Fl. Jap.* i. t. 8; *Fl. d. S.* t. 611.—Japan.—½.

longifolia Franch.—*Schneider, Hdb. Laubh.* i. 380.—China (*Wilson*, n. 1321, 1322, 1340).—½.

scabra Thunb.—DC. iv. 17; *Sieb. Fl. Jap.* i. t. 7; *B. M.* t. 3888.—Japan.—½. April.

Schneideriana Rehd. var. **laxiflora** Rehd.—China (*Wilson*, n. 767a).—½.

DIANELLA Lam.—*N. Pff.* ii. 5. 39.—Liliaceæ—Asphodeloideæ—Asphodelæ—Dianellinæ.

intermedia Endl.—*Hook. fil. Hdb. Fl. N. Zeal.* 283.—New Zealand, Norfolk Island.—¼. May–June.

revoluta R. Br.—*Kunth, En.* v. 48; *Fl. Austr.* vii. 15.—Queensland, N. S. Wales, Victoria, S. and W. Australia.—¼. May–June.

tasmanica Hook. *fil.*—*Fl. Austr.* vii. 14; *B. M.* t. 5551.—Victoria, Tasmania.—¼. May–June.

- ‡**DIANTHUS** *L.*—*N. Pff.* iii. 1b. 76.—Caryophyllaceæ—Sile-noideæ—Diantheæ.
- ambiguus** *Panc.*—*Journ. Bot.* 1885, 342.—Servia.— $\mathcal{U}$. May–June.
- arbores** *L.*—*DC.* i. 357; *Lodd. B. C.* t. 459.—Greece.— $\mathcal{U}$. August–September.
- atrorubens** *All.*—*DC.* i. 357, sub *D. Carthusianorum*; *B. M.* t. 1775.—S. Europe.— $\mathcal{U}$. June.
- Balbisii** *Ser.*—*DC.* i. 356; *Fl. d'It.* n. 1224 ϵ .—Italy.— $\mathcal{U}$. May–June.
- cæsia** *Sm.*—*DC.* i. 362; *Fl. d'It.* n. 1234.—Europe.— $\mathcal{U}$. May–June.
- calocephalus** *Boiss.*—*Fl. Or.* i. 515.—Asia Minor.— $\mathcal{U}$. June.
- Caryophyllus** *L.*—*DC.* i. 359; *B. M.* t. 39; *Fl. d'It.* n. 1233.—Mediterranean region.— $\mathcal{U}$. October–June.
- ciliatus** *Guss.*—*Fl. d'It.* n. 1233.—Italy.— $\mathcal{U}$. May.
- cruentus** *Griseb.*—*Halacsy, Consp. Fl. Græc.* i. 211—Greece.— $\mathcal{U}$. May.
- gallicus** *Pers.*—*DC.* i. 363; *Gren. & Godr. Fl. Fr.* i. 242.—Western France.— $\mathcal{U}$.
- glaucophyllus* *Hornem* = *Balbisii*.
- glutinosus** *Boiss. & Heldr.*—*Halacsy, Consp. Fl. Græc.* i. 206.—Greece.— $\mathcal{U}$.
- hæmatocalyx** *Boiss. & Heldr.*—*Halacsy, Consp. Fl. Græc.* i. 204.—Greece.— $\mathcal{U}$.
- pallens** *Sibth. & Sm.*—*DC.* i. 361; *Halacsy, Consp. Fl. Græc.* i. 215.—Greece, Asia Minor, Persia.— $\mathcal{U}$. May–June.
- petræus** *Waldst. & Kit.*—*DC.* i. 362; *B. M.* t. 1204.—Hungary.— $\mathcal{U}$. May.
- pungens** *L.*—*DC.* i. 360; *Gren. & Godr. Fl. Fr.* i. 234; *Willk. & Lange, Fl. Hisp.* iii. 682.—Spain, S. France.— $\mathcal{U}$.
- Requienii** *Godr.* in *Gren. & Godr. Fl. Fr.* i. 234.—S. Europe.— $\mathcal{U}$. May.
- rupicola** *Biv.*—*DC.* i. 357; *Fl. d'It.* n. 1226.—S. Italy, Sicily, Lampedusa.— $\mathcal{U}$. May–June.
- serrulatus** *Desf. Fl. Atlant.* i. 346; *DC.* i. 363.—N. Africa.— $\mathcal{U}$. May.
- squarrosus** *Bieb.*—*DC.* i. 364.—Asia Minor.— $\mathcal{U}$. May.
- tener** *Balb.*—*DC.* i. 362; *Fl. d'It.* n. 1231 a, b .—Italy.— $\mathcal{U}$.
- tymphresteus** *Boiss. & Spr.*—*Halacsy, Consp. Fl. Græc.* i. 209.—Greece.— $\mathcal{U}$. May–June.
- virgineus** *L.*—*DC.* i. 361; *B. M.* t. 1740.—Europe, Asia.— $\mathcal{U}$. May.

DIASCIA *Link & Otto*.—*N. Pff.* iv. 3b. 54.—Scrophulariaceæ—Antirrhinoideæ—Hemimerideæ.

Barberæ *Hook. fil.* in *B. M.* t. 5933; *Fl. Cap.* iv. 2. 156.—S. Africa.—☉. Spring.

DICENTRA *Bernh.*—*N. Pff.* iii. 2. 143.—Papaveraceæ—Fumarioideæ.

spectabilis *Lem.* in *Fl. d. S.* t. 257.—*Diclytra spect.* DC. i. 126.—China, Japan.—☿. Spring.

DICHONDRA *Forst.*—*N. Pff.* iv. 3a. 13.—Convolvulaceæ—Convolvuloideæ—Dichondreæ.

repens *Forst.*—DC. ix. 451; *Hook. fil. Hdb. Fl. N. Zeald.* 199.—Tropical and subtropical regions of both hemispheres.—☿.

DICHROSTACHYS *DC.*—*N. Pff.* iii. 3. 118.—Leguminosæ—Mimosoideæ—Adenantheræ.

nutans *Benth.*—*Fl. Trop. Afr.* iii. 333; DC. ii. 446; *Wood, Nat. Pl.* t. 243.—Tropical Africa and Asia.—♂.

‡**DICKSONIA** *L'Hér.*—*N. Pff.* i. 4. 119.—Polypodiaceæ—Dicksoniæ.

antarctica *Labill.*—*Hook. Syn. Fil.* 50; *Fl. d. S.* t. 1989.—E. Australia, New Zealand, New Caledonia.—♂.

DICTAMNUS *L.*—*N. Pff.* iii. 4. 133.—Rutaceæ—Rutoideæ—Ruteæ—Dictamninaæ.

albus *L.*—*Fl. d'It.* n. 2529.—*D. Fraxinella* Pers. DC. i. 712.—From Central and S. Europe to N.E. Asia.—☿. June.

DIERVILLA *L.*—*N. Pff.* iv. 4. 169.—Caprifoliaceæ—Lonicereæ.

florida *Sieb. & Zucc. Fl. Jap.* i. 75; *Journ. Linn. Soc.* xxiii. 368.—*Weigelia rosea* Lindl. *B. M.* t. 4396; *Fl. d. S.* t. 211.—China, Manchuria.—♂. April–May.

japonica DC. iv. 330.—Japan, China (*Wilson*, n. 762).—♂.

DIGITALIS *L.*—*N. Pff.* iv. 3b. 88.—Scrophulariaceæ—Rhinthoideæ—Digitaleæ.

ambigua *Murr.*—DC. x. 450; *Fl. d'It.* n. 2980.—Europe.—☿. June.

ferruginea *L.*—DC. x. 450; *B. M.* t. 1828; *Fl. d'It.* n. 2977.—Europe, Asia Minor.—☿. June.

lanata *Ehrh.*—DC. x. 450; *B. M.* t. 1159.—Greece, Hungary.—☿. June.

DIGITALIS (*continued*).

lutea L.—DC. x. 452; *Bickn. Pl. Riv.* t. 44; *Fl. d'It.* n. 2981.—S. Europe.— $\mathcal{U}$. June.

mariana Boiss.—DC. x. 451.—Spain.— $\mathcal{U}$. June.

purpurea L.—DC. x. 451; *Fl. d'It.* n. 2979.—Europe.— $\mathcal{U}$. June.

viridiflora Lindl.—DC. x. 452.—Greece.— $\mathcal{U}$. June.

‡**DIMORPHOTHECA** Moench.—*N. Pff.* iv. 5. 306.—Compositæ—Tubifloreæ—Calenduleæ.

aurantiaca DC. vi. 72; *Fl. Cap.* iii. 421; *Gard. Chron.* 1905, ii. 127, & 1908, i. 364.—Cape.— $\odot$. February–April.

Ecklonis DC. vi. 71; *Fl. Cap.* iii. 419; *B. M.* t. 7535.—S. Africa.— $\mathcal{U}$. April–May.

pluvialis Moench.—DC. vi. 70; *Fl. Cap.* iii. 418.—S. Africa.— $\odot$.

Dioclea glycinoides Hort. = *Camptosema rubicundum*.

‡**DIOON** Lindl.—*N. Pff.* ii. 1. 22.—Cycadaceæ—Zamieæ.

edule Lindl.—DC. xvi. 2. 537; *B. M.* t. 6184.—Mexico.— $\mathcal{U}$. Summer.

DIOSCOREA L.—*N. Pff.* ii. 5. 133.—Dioscoreaceæ—Dioscoreæ.

Batatas Deene.—*N. Pff.* l. c. 134; *Fl. d. S.* t. 971.—Japan, China, Philippine Islands.— $\mathcal{U}$.

bulbifera L.—*Kunth, En.* v. 435; (*Wight, Ic.* t. 878?).—Australia, India.— $\mathcal{U}$.

caucasica Lipsky.—*Nich. Dict. Suppl.* 323; *Bossche, Ic. Sel.* t. 70.—Transcaucasian regions.— $\mathcal{U}$. April.

japonica Thunb.—*Kunth, En.* v. 388.—Japan.— $\mathcal{U}$.

quinqueloba Thunb.—*Kunth, En.* v. 350.—Japan.— $\mathcal{U}$.

sativa L.—*Kunth, En.* v. 340; *Fl. Brit. Ind.* vi. 295.—India, Australia, &c.— $\mathcal{U}$.

Diosma alba Thunb. = *Coleonema album*.

DIOSPYROS Dalech.—*N. Pff.* iv. 1. 161.—Ebenaceæ.

Kaki L. *fil.*—DC. viii. 229; *Gard. Chron.* 1907, ii. 22–23; *B. M.* t. 8127.—Japan.— $\mathcal{U}$. May.

Lotus L.—DC. viii. 228; *Fl. Brit. Ind.* iii. 555; *Fl. d'It.* n. 2659.—Temperate Asia.— $\mathcal{U}$. May.

montana Roxb.—DC. viii. 230; *Fl. Brit. Ind.* iii. 555; *Wight, Ic.* t. 1225.—Tropical Asia.— $\mathcal{U}$.

virginiana L.—DC. viii. 228; *Schneider, Hdb. Laubh.* ii. 576.—N. America.— $\mathcal{U}$. May–June.

DIOTIS Desf.—*N. Pff.* iv. 5. 273.—Compositæ—Anthemideæ—Anthemidinæ.

maritima Cass.—*D. candidissima* Desf.—*DC.* vi. 34; *Fl. d'It.* n. 3606.—Western Mediterranean regions, England.—4.

DIPLACUS Nutt.—*N. Pff.* iv. 3b. 71, sub *Mimulus*.—Scrophulariaceæ—Antirrhinoideæ—Gratioleæ.

glutinosus Nutt.—*DC.* x. 368; *Jacq. H. Sch.* t. 364.—N. California.—½. Nearly always.

longiflorus Nutt.—*DC.* x. 368.—California.—½. Spring and summer.

DIPLARRHENA Labill. — *N. Pff.* ii. 5. 149.—Iridaceæ—Iridoideæ—Sisyrinchieæ—Libertinæ.

Moræa Labill.—*Fl. Austr.* vi. 400; *Bak. Irid.* 114.—N. S. Wales, Victoria, Tasmania.—4.

DIPLOGLOTTIS Hook. fil.—*N. Pff.* iii. 5. 347.—Sapindaceæ—Cupaniæ.

australis Radlk.—*N. Pff.* l. c.—*D. Cunninghamii* Hook. fil. *B. M. t.* 4470; *Fl. Austr.* i. 454.—Queensland.—½.

‡ **DIPLOPAPPUS** DC. v. 275; *N. Pff.*, sub *Aster*, iv. 5. 167.—Compositæ—Astereæ—Asterinæ.

filifolius DC. v. 276; *Fl. Cap.* iii. 85.—S. Africa.—½. September–December.

fruticulosus Less.—*DC.* v. 275; *Fl. Cap.* iii. 85; *B. M. t.* 2718.—S. Africa.—½. April–May.

DIPSACUS L.—*N. Pff.* iv. 4. 188.—Dipsaceæ.

fullonum L. — *DC.* iv. 645; *Fl. d'It.* n. 3357.—Europe, Caucasus.—☉. June.

sylvestris Mill.—*DC.* iv. 645; *Fl. d'It.* n. 3358.—Europe, Orient.—☉. June.

DISCARIA Hook.—*N. Pff.* iii. 5. 423.—Rhamnaceæ—Colletieæ.

serratifolia Benth. & Hook.—*N. Pff.* l. c.—Chili.—½. April.

DISCOCACTUS Pfeiff.—*N. Pff.* iii. 6a. 190.—Cactaceæ—Cereoideæ—Echinocactæ.

alteolens K. Schum. *Mon. Nachtr.* 82.—Brazil, Paraguay.—4.

Hartmannii K. Schum. *Mon. Nachtr.* 83. fig. 12–13.—Paraguay.—4.

Disemma Labill. = *Passiflora*.

- DODONÆA** *L.*—*N. Pff.* iii. 5. 356.—Sapindaceæ—Dodonææ.
attenuata *A. Cunn.*—*Fl. Austr.* i. 477; *B. M.* t. 2860.—Australia.— $\frac{1}{2}$. October.
cuneata *Rudge.*—*DC.* i. 617; *Fl. Austr.* i. 477.—Queensland, N. S. Wales, Victoria.— $\frac{1}{2}$.
lobulata *F. M.*—*Fl. Austr.* i. 479.—Australia.— $\frac{1}{2}$. October.
tenuifolia *Lindl.*—*Fl. Austr.* i. 486.—Queensland, N. S. Wales.— $\frac{1}{2}$. October.
Thunbergiana *Eckl. & Zeyh.*—*Fl. Cap.* i. 242.—S. Africa.— $\frac{1}{2}$. May.
triquetra *Andr.*—*DC.* i. 617; *Benth. Fl. Austr.* i. 474.—S. Africa.— $\frac{1}{2}$.
viscosa *L.*—*DC.* i. 616; *Fl. Cap.* i. 242; *Fl. Austr.* i. 475.—S. Africa, Australia, S. America.— $\frac{1}{2}$. May–June.
- DOLICHOS** *L.*—*N. Pff.* iii. 3. 383.—Leguminosæ—Papilionatæ—Phaseoleæ—Phaseolinæ.
Lablab *L.*—*B. M.* t. 896; *Fl. Trop. Afr.* ii. 210.—*Lablab vulgaris* *Savi*, *DC.* ii. 401.—Tropics.—☉ §. Summer.
lignosus *L.*—*DC.* ii. 397; *B. M.* t. 380.—India.— $\frac{1}{2}$ §. April–May.
- DOMBEYA** *Cav.*—*N. Pff.* iii. 6. 78.—Sterculiaceæ—Dombeyæ.
Mastersii *Hook. fil.* in *B. M.* t. 5639; *Fl. Trop. Afr.* i. 228.—Abyssinia.— $\frac{1}{2}$.
mollis *Hook.* in *B. M.* t. 4578.—Hab. ?— $\frac{1}{2}$.
Wallichii *Benth. & Hook.*—*N. Pff.* l. c.—*Astrapæa Wallichii* *Lindl.* *B. M.* t. 2503.—Madagascar.— $\frac{1}{2}$. March–April.
- DOREMA** *Don.*—*N. Pff.* iii. 8. 233.—Umbelliferæ—Apioidæ—Peucedaneæ—Ferulinæ.
Aucherii *Boiss.* *Fl. Or.* ii. 1009.—Persia.— $\frac{1}{4}$.
- ‡ **DORYALIS** *Arn. & Mey.*—*N. Pff.* iii. 6 a. 44.—Flacourtiaceæ—Euflacourtiæ.
caffra *Warb.*—*N. Pff.* l. c.—*Aberia caffra* *Hook. fil. et Harv.* *Fl. Cap.* ii. App. 584; *Gard. Chron.* 1905, ii. 737.—Natal.— $\frac{1}{2}$. Spring and winter.
- DORYANTHES** *Correa.*—*N. Pff.* ii. 5. 119.—Amaryllidaceæ—Agavoideæ.
Guilfoylei *F. M. Bailey.*—*Nich. Dict. Suppl.* 329.—Queensland.— $\frac{1}{4}$.
Palmeri *W. Hill.*—*Fl. Austr.* vi. 452; *Bak. Am.* 163; *B. M.* t. 6665.—Queensland.— $\frac{1}{4}$. May.

DORYCNIUM *L.*—*N. Pff.* iii. 3. 257.—Leguminosæ—Papilionatae—Loteæ.

gracile *Jord.*—*Gren. & Godr. Fl. Fr.* i. 427.—Europe.— $\frac{1}{4}$. June.

***hirsutum** *Ser.* var. **incanum** *DC.* ii. 208; *B. M.* t. 336; *Fl. d'It.* n. 2039.—Mediterranean region.— $\frac{1}{4}$. May–June.

latifolium *Willd.*—*DC.* ii. 208.—S. Europe, Asia Minor.— $\frac{1}{4}$. May–June.

***suffruticosum** *Vill.*—*DC.* ii. 209; *Gren. & Godr. Fl. Fr.* i. 426.—S. Europe.— $\frac{1}{2}$. June.

DOVEA *Kunth.*—*N. Pff.* ii. 4. 8.—Restionaceæ—Haplantheræ.
tectorum *Mast.*—*N. Pff.* l. c.—Cape.— $\frac{1}{4}$.

DOXANTHA *Miers.*—*N. Pff.* iv. 3b. 216.—Bignoniaceæ—Bignoniæ.

capreolata *Miers.*—*Schneider, Hdb. Laubh.* ii. 621.—*Bignonia capreolata* *L.* *DC.* ix. 146; *B. M.* t. 864; *Jacq. H. Sch.* t. 363.—Southern Atlantic N. America.— $\frac{1}{2}$ §. April–June.

DRABA *L.*—*N. Pff.* iii. 2. 190.—Cruciferæ—Hesperideæ—Capsellinæ.

aizoides *L.*—*DC.* i. 166; *Fl. d'It.* n. 1460.—Europe.— $\frac{1}{4}$. March–April.

‡**DRACÆNA** *Vandelli.*—*N. Pff.* ii. 5. 73.—Liliaceæ—Dracænoideæ—Dracæneæ.

cinnabari *Balf. fil.*—*N. Pff.* l. c.—Socotra.— $\frac{1}{2}$.

Draco *L.*—*Kunth, En.* v. 3; *B. M.* t. 4571.—Canary Islands.— $\frac{1}{2}$.

DRACOPHYLLUM *Labill.*—*N. Pff.* iv. 1. 74.—Epacridaceæ—Epacrideæ.

Urvilleanum *A. Rich.*—*Hdb. Fl. N. Zeald.* 182.—New Zealand.— $\frac{1}{2}$.

DRACUNCULUS *Schott.*—*N. Pff.* ii. 3. 148.—Araceæ—Aroideæ—Areæ.

canariensis *Kunth, En.* iii. 30.—Teneriffe.— $\frac{1}{4}$. May.

vulgaris *Schott.*—*Kunth, En.* 29; *Fl. d'It.* n. 531.—Portugal, Italy, Dalmatia, Orient.— $\frac{1}{4}$. May.

DRYANDRA *R. Br.*—*N. Pff.* iii. 1. 154.—Proteaceæ—Grevilloideæ—Banksiæ.

mucronulata *R. Br.*—*DC.* xiv. 470; *Fl. Austr.* v. 573.—Australia.— $\frac{1}{2}$. July–August.

- DUNALIA** *H. B. K.*—*N. Pff.* iv. 3b. 14.—Solanaceæ—Solaneæ—Lyciinae.
cyanea *Rouv.*—*DC.* xiii. 1. 484.—S. and Central America.—
 ½. Autumn and spring.
- DURANTA** *L.*—*N. Pff.* iv. 3a. 159.—Verbenaceæ—Verbenaideæ—Citharexyleæ.
brachypoda *Tod. Nuov. Gener. & Spec.* 24.—Tropical America.—½.
Ellisia *Jacq.*—*DC.* xi. 615; *B. M.* t. 1759.—Tropical America.—½. October.
inermis *L.*—*DC.* xi. 615.—Tropical America?—½.
integrifolia *Tod. Nuov. Gener. & Spec.* 27.—Tropical America.—½.
Mutisii *L. fil.*—*DC.* xi. 616.—S. America.—½.
Plumieri *Jacq.*—*DC.* xi. 615; *Lodd. B. C.* t. 280.—Cuba, Jamaica.—½. May–September.
stenostachya *Tod. Hort. Pan.* i. 9. t. 3.—Tropical America?—½. May–October.
turbinata *Tod. Nuov. Gener. & Spec.* 28.—Tropical America.—½.
- DUVALIA** *Haw.*—*N. Pff.* iv. 2. 277.—Asclepiadaceæ—Cynanchoideæ—Tylophoreæ—Stapeliinae.
angustiloba *N. E. Br.*—*Fl. Cap.* iv. 1. 1034; *Berger, Stap.* 351. fig. 72.—S. Africa.—¼. September–October.
cæspitosa *Haw.*—*DC.* viii. 662; *Mass. Stap.* 20. t. 29; *Berger, Stap.* 345.—S. Africa.—¼. August–October.
Corderoyi *N. E. Br.*—*Fl. Cap.* iv. 1. 1027; *B. M.* t. 6082; *Berger, Stap.* 342.—S. Africa.—¼.
hirtella *Sweet.*—*B. M.* t. 1397; *Fl. Cap.* iv. 1. 1031; *Berger, Stap.* 347.—S. Africa.—¼.—October.
Pillansii *N. E. Br.*—*Fl. Cap.* iv. 1. 1026; *Berger, Stap.* 341. fig. 70.—Cape.—¼. October.
radiata *Haw.*—*DC.* viii. 663; *B. M.* t. 619; *Fl. Cap.* iv. 1. 1032.—S. Africa.—¼. October.
reclinata *Haw.*—*Fl. Cap.* iv. 1. 1030; *Berger, Stap.* 346.—Cape.—¼. October.
- DUVERNOIA** *E. Mey.*—*N. Pff.* iv. 3b. 339.—Acanthaceæ—Acanthoideæ—Imbricatæ—Odontonemeæ.
adhatodoides *E. Mey.*—*DC.* xi. 323.—S. Africa.—½. October.
- DYCKIA** *Schult. f.*—*N. Pff.* ii. 4. 54.—Bromeliaceæ—Puyææ.
brevifolia *Bak. Brom.* 130; *Ref. Bot.* t. 236.—S. Brazil.—¼.

DYCKIA (*continued*).

frigida Hook. *fil.*—*B. M.* t. 6294; *Bak. Brom.* 134.—Brazil.— $\mathcal{U}$.

rariflora Schult. *f.*—*Bak. Brom.* 131; *B. M.* t. 3449.—

Monte Video, Argentina.— $\mathcal{U}$. August.

regalis Linden = *frigida*.

sulphurea C. Koch.—*Bak. Brom.* 131.—Uruguay.— $\mathcal{U}$.

EBENUS *L.*—*N. Pff.* iii. 3. 315.—Leguminosæ—Papilionatæ—Hedysaræ—Euhedysarinæ.

cretica *L.*—*DC.* ii. 350; *B. M.* t. 1092; *Halacsy, Fl. Græc.*

i. 460.—Crete.— $\frac{1}{2}$. May–June.

ECBALLIUM *A. Rich.*—*N. Pff.* iv. 5. 26.—Cucurbitaceæ—Cucurbitæ—Cucumerinæ.

**Elaterium* *A. Rich.*—*DC.* iii. 311; *Ardoino*, 173; *B. M.* t. 1914; *Fl. d'It.* n. 3389.—Mediterranean region, N. Africa, Azores.— $\mathcal{U}$. May–September.

ECCREMOCARPUS *Rz. & Pav.*—*N. Pff.* iv. 3b. 244.—Bignoniaceæ—Eccremocarpeæ.

scaber *Rz. & Pav.*—*DC.* ix. 238; *Lodd. B. C.* t. 1411; *B. M.* t. 6408.—Chili.— $\mathcal{U}$ §. Summer.

‡**ECHEVERIA** *DC.* iii. 401; *N. Pff.* iii. 2a. 34, sub *Cotyledon*.—Crassulaceæ.

agavoides *Lem. Fl. d. S.* t. 2003; *Ref. Bot.* t. 67.—Mexico.— $\mathcal{U}$. May–June.

australis *Rose, Bull. N. York Bot. Gard.* iii. 6.—Mexico.— $\mathcal{U}$. May–June.

bracteolata *Link & Otto.*—*Ref. Bot.* i. sub t. 62, n. 18.—Mexico.— $\mathcal{U}$.

bracteosa *Lindl. & Paxt.* = *Pachyphytum bracteosum*.

californica *Hort.*—*Ref. Bot.* t. 70.—California.— $\mathcal{U}$. Summer.

campanulata *Kunze.*—Mexico.— $\mathcal{U}$. Summer.

clavifolia *Berger, Gartfl.* 1904, 205.—Mexico?— $\mathcal{U}$. Summer.

coccinea *DC.* iii. 401; *Ref. Bot.* i. n. 2; *B. M.* t. 2572; *Lodd. B. C.* t. 832.—Mexico.— $\mathcal{U}$. Summer–autumn.

cuspidata *Rose, Bull. N. York Bot. Gard.* iii. 9; *Monatsschft. f. K.* 1907, p. 184, with figure.—Mexico.— $\mathcal{U}$. Summer.

Desmetiana *E. Morr.*—*Gartfl.* 1904, 205.—Mexico.— $\mathcal{U}$. Summer.

edulis *Brewer.*—*Nich. Dict. Suppl.* 263.—California.— $\mathcal{U}$.

farinosa *Lindl.*—*Ref. Bot.* t. 71.—California.— $\mathcal{U}$. Summer.

fulgens *Lem.*—*Ref. Bot.* t. 64.—Mexico.— $\mathcal{U}$. Autumn–winter.

ECHEVERIA (*continued*).

- Funkii** Hort.—Garden origin?—4. Spring and summer.
gibbiflora DC. iii. 401; *Ref. Bot.* n. 23.—Mexico.—4.
 December–April.
 „ var. **carunculata** Hort.—*Gartenwelt* xii. 41.—4.
 „ var. **crispata** Bak. in *Ref. Bot.* sub t. 65.—4.
 „ var. **metallica** Lem. *Ill. Hort.* x. *Suppl.* 81; *Ref. Bot.* t. 65.—4.
glauca Hort.—*Ref. Bot.* t. 61.—Mexico.—4. Spring–autumn.
globosa Hort.—Mexico?—4. Spring and summer.
Hookeri Salm.—Lem. *Ill. Hort.* ii. *Misc.* 26, 44, *Pl. Gr.* 44.
 —*C. adunca* Bak. in *Ref. Bot.* t. 60.—Mexico.—4. Spring–autumn.
imbricata Hort.—Garden origin.—4. Nearly always.
linguifolia Lem.—*Ref. Bot.* t. 58.—Mexico.—4. Spring.
linguifolia × **pulverulenta**.—Garden origin.—4. Summer.
lurida Lindl.—*Ref. Bot.* t. 59.—Mexico.—4. Autumn.
maculata Rose, *Bull. N. York Bot. Gard.* iii. 7.—Mexico.—4. Spring.
magnifica Hort.—Garden origin.—4. Spring–autumn.
media Hort.—Garden origin.—4. Spring–summer.
metallica Hort. = *gibbiflora*.
mucronata Hort. (non *Schlecht.*).—Garden origin?—4.
 Spring–autumn.
mutabilis Hort.—Garden origin.—4.
nodulosa Otto—*Ref. Bot.* t. 56.—Mexico.—4. Summer–autumn.
nuda Bak. in *Ref. Bot.* t. 57.—Mexico.—4. Summer–autumn.
opalina Hort.—Garden origin.—4. Spring–summer.
pachyphytoides Hort.—Garden origin.—4. Nearly always.
Pachyphytum E. Morr. = *Pachyphytum bracteosum* Klotzsch.
Peacockii Bak. in *Gard. Chron.* 1874, ii. 258.—N. America.—4.
perbella Hort.—Garden origin.—4. Spring–summer.
Pfersdorffii Hort.—Garden origin?—4.
platyphylla Rose, *Bull. N. York Bot. Gard.* iii. 7.—Mexico.
 4. Spring.
Pringlei Rose, *Bull. N. York Bot. Gard.* iii. 6.—Mexico.—4.
 Spring–autumn.
pulchella Berger, in *Gartfl.* 1904, 206.—Mexico.—4.
pulverulenta Nutt.—*Ref. Bot.* t. 66.—California.—4.

ECHEVERIA (*continued*).

- pulvinata** Rose.—*B. M.* t. 7918.—Mexico.— $\mathcal{U}$. March–April.
pumila Schlecht.—*Ref. Bot.* t. 62.—Mexico.— $\mathcal{U}$.
Purpusii K. Sch.—*B. M.* t. 7713.—California.— $\mathcal{U}$.
pusilla Berger in *Gartfl.* 1904, 206.—Mexico.— $\mathcal{U}$. Summer–autumn.
quitensis Lindl.—*Ref. Bot.* n. 5.—New Granada.— $\mathcal{U}$.
retusa Lindl.—*Ref. Bot.* n. 22.—Mexico.— $\mathcal{U}$. December.
roseata Lindl.—*Ref. Bot.* n. 3.—Mexico.— $\mathcal{U}$.
scaphiphylla Hort.—*Gartfl.* 1904, 205.—Garden origin.— $\mathcal{U}$. Summer.
Scheideckeri Hort.—*Gartfl.* 1904, 205.—Mexico?— $\mathcal{U}$. Spring–summer.
secunda Lindl.—*Ref. Bot.* n. 14.—Mexico.— $\mathcal{U}$. Spring–autumn.
stellata Hort.—Garden origin.— $\mathcal{U}$.
stolonifera Otto.—*Bak. Ref. Bot.* t. 63.—Mexico.— $\mathcal{U}$. Spring–autumn.
turgida Rose, *Bull. N. York Bot. Gard.* iii. 21.—Mexico.— $\mathcal{U}$. Spring.
Uhinkii Hort.—Garden origin.— $\mathcal{U}$. Spring.
uniflora Berger.—*Pachyphytum uniflorum* Rose.—Mexico.— $\mathcal{U}$. Spring.

ECHIDNOPSIS Hook. *fil.*—*N. Pff.* iv. 2. 274.—Asclepiadaceæ—Cynanchoideæ—Tylophoreæ—Stapeliinæ.

- cereiformis** Hook. *fil.* in *B. M.* t. 5930; *Fl. Trop. Afr.* iv. i. 475; Berger, *Stap.* 22. fig. 3.—Eritrea, Abyssinia.— $\mathcal{U}$. Nearly always.

„ var. **brunnea** Berger.—*Fl. Trop. Afr. l. c.*; Berger, *Stap.* 23.— $\mathcal{U}$.

„ var. **obscura** Berger.—*Fl. Trop. Afr. l. c.*; Berger, *Stap.* 23.— $\mathcal{U}$.

- Virchowii** K. Schum.—*Fl. Trop. Afr.* iv. i. 476; Berger, *Stap.* 25.—E. Africa.— $\mathcal{U}$.

ECHINACEA Moench.—*N. Pff.* iv. 5. 233.—Compositæ—Heliantheæ—Verbesininæ.

- angustifolia** DC. v. 554; *B. M.* t. 5281.—N. America.— $\mathcal{U}$. May–June.

- purpurea** Moench.—DC. v. 554.—N. America.— $\mathcal{U}$. May–June.

† **ECHINOCACTUS** Lk. & Otto.—*N. Pff.* iii. 6a. 185.—Cactaceæ—Cereoideæ—Echinocactæ.

- acutatus** Lk. & Otto = *erinaceus*.

ECHINOCACTUS (*continued*).

- acutissimus** *Otto & Dietr.*—*K. Schum.* 424.—Chili.— $\frac{1}{2}$.
albatus *Dietr.*—*K. Schum.* 365.—Mexico.— $\frac{1}{2}$.
anfractuosus *Mart.*—*K. Schum.* 366.—Mexico.— $\frac{1}{2}$.
arrigens *Lk. & Otto.*—*K. Schum.* 372.—Mexico.— $\frac{1}{2}$.
Beguinii *Web.*—*K. Schum.* 442.—Mexico.— $\frac{1}{2}$. Summer.
bicolor *Gal.*—*K. Schum.* 302.—Mexico.— $\frac{1}{2}$. Summer.
castaneoides *Cels.*—*K. Schum.* 427.—Chili.— $\frac{1}{2}$.
centetarius *Lehm.*—*K. Schum.* 417; *B. M. t.* 3974.—Chili.— $\frac{1}{2}$. Summer.
chilensis *Hildm.*—*K. Schum.* 423.—Chili.— $\frac{1}{2}$.
cinereus *Phil.*—*K. Schum. Nachtr.* 88. fig. 15.—Chili.— $\frac{1}{2}$.
concinus *Monv.*—*K. Schum.* 385; *B. M. t.* 4115.—Uruguay.— $\frac{1}{2}$. Summer.
coptonogonus *Lem.*—*K. Schum.* 362.—Mexico.— $\frac{1}{2}$. May.
corniger *DC.*—*K. Schum.* 352.—Mexico.— $\frac{1}{2}$. Summer.
crispatus *DC.*—*K. Schum.* 371.—Mexico.— $\frac{1}{2}$. Summer.
Cumingii *Hopff.*—*K. Schum.* 411; *B. M. t.* 6097.—Bolivia.— $\frac{1}{2}$.
curvispinus *Colla.*—*K. Schum.* 418.—Chili.— $\frac{1}{2}$.
cylindraceus *Eng. Cact. Bound. t.* 30; *K. Schum.* 357.—S. California.— $\frac{1}{2}$. Summer.
denudatus *Lk. & Otto.*—*K. Schum.* 413. fig. 72.—S. Brazil.— $\frac{1}{2}$. Summer.
echidna *DC.*—*K. Schum.* 332.—Mexico.— $\frac{1}{2}$. May.
Ehrenbergii *Pfeiff.*—*K. Schum.* 436.—Mexico.— $\frac{1}{2}$.
electracanthus *Lem.*—*K. Schum.* 330.—Mexico.— $\frac{1}{2}$. Summer.
Emoryi *Eng. Cact. Bound. t.* 28; *K. Schum.* 346.—California, Mexico.— $\frac{1}{2}$.
 „ *var. rectispina* *Eng. l. c.*—Lower California.— $\frac{1}{2}$.
erinaceus *Lem. Cact. aliqu. nov. t.* 9; *K. Schum.* 298.—S. Brazil.— $\frac{1}{2}$.
exsculptus *Otto.*—*K. Schum.* 425.—Chili.— $\frac{1}{2}$.
Fiedlerianus *K. Schum. Nachtr.* 121.—Chili.— $\frac{1}{2}$.
floricornis *Arech.*—*Monatsschrift f. K.* 1907, 161.—Uruguay.— $\frac{1}{2}$. June.
Försteri *Stieber.*—*K. Schum.* 378.—Mexico.— $\frac{1}{2}$.
Fröhlichianus *K. Schum. Nachtr.* 124.—Chili.— $\frac{1}{2}$.
gibbosus *DC.*—*K. Schum.* 406. fig. 71.—Argentina.— $\frac{1}{2}$. Summer.

ECHINOCACTUS (*continued*).

- Grahlianus** *Ferd. Haage*.—*K. Schum. Nachtr.* 106.—Paraguay.— $\frac{1}{4}$. Summer.
- Grusonii** *Hildm.*—*K. Schum.* 313.—Mexico.— $\frac{1}{4}$. Summer.
- Hartmannii** *K. Schum.* = *Discocactus Hartmannii*.
- Haselbergii** *Rümpfer, Handb.* ii. 563; *K. Schum.* 382; *B. M.* t. 7009.—Rio Grande do Sul.— $\frac{1}{4}$.
- hastatus** *Hopff.*—*K. Schum.* 376.—Mexico.— $\frac{1}{4}$.
- heterochromus** *Web.*—*K. Schum.* 302.—Mexico.— $\frac{1}{4}$.
- hexædrophorus** *Lem.*—*K. Schum.* 437; *B. M.* 4311.—Mexico.— $\frac{1}{4}$. Summer.
- horizonthalonius** *Lem.*—*K. Schum.* 304. fig. 51.—Mexico. $\frac{1}{4}$. Summer.
- hyptiacanthus** *Lem.*—*K. Schum.* 403. fig. 70.—Uruguay.— $\frac{1}{4}$. Summer.
- ingens** *Zucc.*—*K. Schum.* 314. fig. 54; *B. M.* t. 4559.—Mexico.— $\frac{1}{4}$.
- intertextus** *Eng. Cact. Bound.* t. 34; *K. Schum.* 445.—Texas, Mexico.— $\frac{1}{4}$.
- lamellosus** *Dietr.*—*K. Schum.* 373.—Mexico.— $\frac{1}{4}$. Summer.
- lancifer** *Dietr.*—*K. Schum.* 371.—Mexico.— $\frac{1}{4}$. May.
- Leninghausii** *K. Schum.* 382.—Rio Grande do Sul. $\frac{1}{4}$.
- leucacanthus** *Zucc.*—*K. Schum.* 435; *Otto & Pfeiff. Abb.* t. 14.—Mexico.— $\frac{1}{4}$.
- longihamatus** *Gall.*—*K. Schum.* 341; *B. M.* t. 4632.—Mexico.— $\frac{1}{4}$. Summer.
- lophothele** *Salm.*—*K. Schum.* 432.—Mexico.— $\frac{1}{4}$.
- MacDowellii** *Reb.*—*K. Schum.* 441.—Mexico.— $\frac{1}{4}$.
- macrodiscus** *Mart.*—*K. Schum.* 348.—Mexico.— $\frac{1}{4}$.
- mammulosus** *Lem.*—*K. Schum.* 388.—Uruguay, Argentina.— $\frac{1}{4}$. May.
- Mathssonii** *Berge.*—*K. Schum.* 351.—Mexico.— $\frac{1}{4}$.
- microspermus** *Web.*—*K. Schum.* 397. fig. 98, and *Nachtr.* fig. 22; *B. M.* t. 7840.—Argentina.— $\frac{1}{4}$.
- „ var. **macrancistrus** *K. Schum. Nachtr.* 109. fig. 23.—Argentina.— $\frac{1}{4}$.
- minusculus** *Web.*—*K. Schum.* 395.—Argentina.— $\frac{1}{4}$. Spring.
- Monvillei** *Lem.*—*K. Schum.* 410.—Paraguay.— $\frac{1}{4}$.
- multicostatus** *Hildm.*—*K. Schum.* 376. fig. 64.—Mexico.— $\frac{1}{4}$. Summer.
- multiflorus** *Hook.* in *B. M.* t. 4187; *K. Schum.* 404.—Argentina.— $\frac{1}{4}$. Summer.

ECHINOCACTUS

myriostigma *Salm.*—*K. Schum.* 320; *B. M. t.* 4177.—Mexico.— φ . Summer.

napinus *R. A. Phil.*—*K. Schum.* 328.—Chili.— φ .

nigricans *Dietr.*—*K. Schum.* 423.—Chili.— φ .

obvallatus *DC. Rev. Cact. t.* 9; *K. Schum.* 370.—Mexico.— φ . Summer.

ornatus *DC.*—*K. Schum.* 322. fig. 56.—Mexico.— φ . Summer.

Otonis *Lk. & Otto.*—*K. Schum.* 391; *B. M. t.* 3107.—Paraguay.— φ . Summer.

„ var. **paraguayensis** *Hort.*— φ .

„ var. **tenuispinus** *K. Schum. l. c.*— φ .

peninsulæ *Eng.*—*K. Schum.* 355.—Lower California.— φ . Autumn.

pentacanthus *Lem.*—*K. Schum.* 369.—Mexico.— φ .

peruvianus *K. Schum. Nachtr.* 113.—Peru.— φ .

Pfeifferi *Zucc.*—*K. Schum.* 329.—Mexico.— φ . Summer.

Pfersdorffii *Hort.*—*K. Schum.* 332.—Mexico.— φ .

pilosus *Gal.*—*K. Schum.* 307. fig. 52.—Mexico.— φ .

pumilus *Lem.*—*K. Schum.* 393.—Uruguay?— φ .

Quehlianus *Ferd. Haage.*—*K. Schum. Nachtr.* 120. fig. 28.—Argentina.— φ .

recurvus *Lk. & Otto.*—*K. Schum.* 347.—Mexico.— φ . Summer.

robustus *Lk. & Otto.*—*K. Schum.* 326.—Mexico.— φ .

Saglionis *Cels.*—*K. Schum.* 416.—Argentina.— φ .

Scheerii *Salm.*—*K. Schum.* 335; *Eng. Cact. Bound. t.* 17.—Texas, Mexico.— φ

Schickendantzii *Web.*—*K. Schum.* 415.—Argentina.— φ .

Schilinzkyanus *Ferd. Haage.*—*K. Schum.* 394, and *Nachtr.* 107, fig. 21.—Paraguay.— φ .

Schumannianus *Nicolai.*—*K. Schum.* 383. fig. 65.—Paraguay.— φ .

scopa *Lk. & Otto.*—*K. Schum.* 381; *B. M. t.* 5445.—S. Brazil.— φ . Spring-summer.

Sellowii *Lk. & Otto.*—*K. Schum.* 296.—S. Brazil.— φ .

senilis *R. A. Phil.*—*K. Schum.* 389.—Chili.— φ .

setispinus *Eng. Cact. Bound. t.* 20; *K. Schum.* 338.—Texas, Mexico.— φ . Spring-autumn.

Sœhrensii *K. Schum. Nachtr.* 115. fig. 25.—Chili.— φ .

submammulosus *Lem.*—*K. Schum.* 386.—Paraguay?— φ .

tabularis *Cels.*—*K. Schum.* 389. fig. 66.—Uruguay.— φ

Tellii *Hort.*—Mexico.— φ . Summer.

ECHINOCACTUS (*continued*).

- tenuiflorus* Lk.—K. Schum. 452.—Mexico.— $\mathcal{U}$. May.
texensis Hopff.—K. Schum. 344; Eng. Cact. Bound. t. 33.—
 Texas, E. Mexico.— $\mathcal{U}$.
turbiniiformis Pfeiff.—K. Schum. 449. fig. 77.—Mexico.— $\mathcal{U}$.
uncinatus Gal.—K. Schum. 343.—Mexico.— $\mathcal{U}$.
 „ var. **Wrightii** Eng. l. c.—Texas.— $\mathcal{U}$.
unguispinus Eng.—K. Schum. 442.—Mexico.— $\mathcal{U}$.
villosus Lem.—K. Schum. 426.—Chili.— $\mathcal{U}$.
viridescens Nutt.—K. Schum. 356; Eng. Cact. Bound. t. 29.
 —California.— $\mathcal{U}$.
Williamsii Lem.—K. Schum. 318. fig. 55; B. M. t. 4296.—
 Mexico.— $\mathcal{U}$. May–June.
Wippermannii Mühlenpf.—K. Schum. 363.—Mexico.— $\mathcal{U}$.
Wislizeni Eng.—K. Schum. 357.—Mexico, S. Western United
 States.— $\mathcal{U}$.

† **ECHINOCEREUS** Eng.—N. Pff. iii. 6a. 184.—Cactaceæ–
 Cereoideæ–Echinocactæ.

- acifer* Lem.—K. Schum. 286.—Mexico.— $\mathcal{U}$. Summer.
Berlandieri Lam.—K. Schum. 256.—Texas.— $\mathcal{U}$. Summer.
Blankii Palm.—K. Schum. 257.—Mexico.— $\mathcal{U}$. May.
Brandegeei Coult.—K. Schum. 290.—California.— $\mathcal{U}$.
chloracanthus Rümpler.—K. Schum. 266.—Texas, New
 Mexico.— $\mathcal{U}$.
cinerascens Lem.—K. Schum. 262.—Mexico.— $\mathcal{U}$. Summer.
cirrhiifer Lab.—K. Schum. 263.—Mexico.— $\mathcal{U}$.
conglomeratus Först.—K. Schum. 278.—Mexico.— $\mathcal{U}$.
dasyacanthus Eng.—K. Schum. 268.—Texas.— $\mathcal{U}$.
De Lætii Gürke in Monatsschrift f. K. 1909, 131.—Mexico.—
 $\mathcal{U}$ 2. May.
diversispinus Hort. Pan. (Palermo, 1901).— $\mathcal{U}$.
dubius Rümpler.—K. Schum. 276; Eng. Cact. Bound. t. 70.—
 Texas, Mexico.— $\mathcal{U}$. June.
Ehrenbergii Rümpler.—K. Schum. 262.—Mexico.— $\mathcal{U}$. June.
Engelmannii Lem.—K. Schum. 275; Eng. Cact. Bound. t.
 57.—California, Arizona.— $\mathcal{U}$.
enneacanthus Eng.—K. Schum. 264; Eng. Cact. Bound. t.
 48, 2–4 and t. 49.—Texas, Mexico.— $\mathcal{U}$. Summer.
Fendleri Rümpler.—K. Schum. 274; Eng. Cact. Bound. t.
 51–53; B. M. t. 6533.—Utah, Arizona, New Mexico, Sonora,
 &c.— $\mathcal{U}$.
glycimorphus Först.—K. Schum. 261.—Mexico.— $\mathcal{U}$.

ECHINOCEREUS (*continued*).

Knippelianus *Liebn.*—*K. Schum.* 251. fig. 47.—Mexico.—4.
Summer.

Leeanus *Lem.*—*K. Schum.* 287. fig. 49; *B. M. t.* 4417.—
Mexico.—4.

leonensis *Maths.*—*K. Schum.* 263.—Mexico.—4. Summer.

leptacanthus *K. Schum.* 260.—Mexico.—4. June.

maritimus *K. Schum.* 273.—California.—4.

Merkeri *K. Schum.* 277.—Mexico.—4.

mojavensis *Rümppler.*—*K. Schum.* 279.—S. Western United
States.—4.

papillosus *A. Linke.*—*K. Schum.* 258.—Texas.—4.

paucispinus *Rümppler.*—*K. Schum.* 280; *Eng. Cact. Bound.*
t. 56; *B. M. t.* 6774.—Texas, New Mexico.—4.

pectinatus *Eng.*—*K. Schum.* 270; *B. M. t.* 6669.—Mexico,
&c.—4.

phoeniceus *Lem.*—*K. Schum.* 282; *B. M. t.* 6774, as *C. pau-*
cispinus.—New Mexico.—4.

„ var. **inermis** *K. Schum. l.c.* 283.—Mesa Grande.
—4.

polyacanthus *Eng. Cact. Bound. t.* 54. 55; *K. Schum.* 285.
—Texas, Arizona, Mexico.—4.

Poselgerianus *A. Linke.*—*K. Schum.* 257.—Mexico.—4.

procumbens *Lem.*—*K. Schum.* 259; *Eng. Cact. Bound. t.*
59; *B. M. t.* 7215.—Mexico.—4. June.

pulchellus *K. Schum.* 252.—Mexico.—4. June.

Römeri *Lem.*—*K. Schum.* 284.—Texas, New Mexico, Utah,
—4.

Rötteri *Rümppler.*—*K. Schum.* 272; *Eng. Cact. Bound. t.* 41,
3-5.—Texas, Arizona, Chihuahua.—4.

Salm-Dyckianus *Scheer.*—*K. Schum.* 255.—Mexico.—4.
June.

Scheerii *Lem.*—*K. Schum.* 253.—Mexico.—4. June.

subinermis *Salm.*—*K. Schum.* 250.—Mexico.—4.

tuberosus *Rümppler.*—*K. Schum.* 249.—Texas.—4. June.

viridiflorus *Eng.*—*K. Schum.* 267; *Eng. Cact. Bound. t.* 36;
B. M. t. 7688.—Mexico, Texas.—4.

ECHINOCYSTIS *Torr. & Gr.*—*N. Pff.* iv. 5. 35.—Cucurbitaceæ-
Sicyoideæ.

lobata *Torr. & Gray.*—*Gray, Man. Bot. North. Un. St.* 139;
Gard. Chron. 1897, ii. 271.—N. America.—☉. July-
October.

ECHINOPHORA *L.*—*N. Pff.* iii. 8. 146.—Umbelliferæ—Apiodeæ
—Echinophoreæ.

spinosa *L.*—*DC.* iv. 236; *W. & L. Fl. Hisp.* iii. 14; *Fl. d'It.*
n. 2418.—Mediterranean region.— $\mathcal{U}$.

ECHINOPS *L.*—*N. Pff.* iv. 5. 313.—Compositæ—Cynareæ—
Echinopsidinæ.

bannaticus *Rochel.*—*DC.* vi. 524.—Hungary.— $\mathcal{U}$. June–July.

Gaillardoti *Boiss. Fl. Or.* iii. 430.—Syria.— $\mathcal{U}$. July.

humilis *Bieb.*—*DC.* vi. 523.—Siberia, Altai.— $\mathcal{U}$. June–July.

**Ritro* *L.*—*DC.* vi. 524; *B. M.* t. 932; *Fl. d'It.* n. 3683.—
S. Europe.— $\mathcal{U}$. July–September.

ECHINOPSIS *Zucc.*—*N. Pff.* iii. 6a. 184.—Cactaceæ—Cereoideæ—
Echinocactææ.

Bridgesii *Salm.*—*K. Schum.* 237.—Bolivia.— $\mathcal{U}$ $\frac{1}{2}$.

campylacantha *R. Mey.*—*K. Schum.* 241; *B. M.* t. 4567.—
Argentina.— $\mathcal{U}$. Summer.

cinnabarina *Lab.*—*K. Schum.* 227.—Bolivia.— $\mathcal{U}$. Spring.

Eyriesii *Zucc.*—*K. Schum.* 230; *B. M.* t. 3411.—Argentina,
&c.— $\mathcal{U}$. Spring–summer.

Huottii *Lab.*—*K. Schum.* 235.—Bolivia.— $\mathcal{U}$. June–July.

Lagemannii *Dietr.*—*K. Schum.* 235. = *E. oxygona* $\times$
Eyriesii.—Garden origin.— $\mathcal{U}$. May–June.

leucantha *Walp.*—*K. Schum.* 240.—*E. salpingophora* *Lem.*
—Argentina.— $\mathcal{U}$.

Meyeri *Hort.* = *E. Eyriesii* $\times$ *leucantha*.—Garden origin.
— $\mathcal{U}$.

multiplex *Zucc.*—*K. Schum.* 232; *B. M.* t. 3789.—S.
Brazil.— $\mathcal{U}$. Spring–summer.

„ var. *cristata* *Hort.*— $\mathcal{U}$.

oxygona *Zucc.*—*K. Schum.* 233.—S. Brazil.— $\mathcal{U}$. June.

Pentlandii *Salm.*—*K. Schum.* 229; *B. M.* t. 4124.—
Peru.— $\mathcal{U}$. June.

„ var. *Maximiliana* *Heyd.*—*K. Schum. l.c.*— $\mathcal{U}$.

„ var. *tricolor* *Hort.*— $\mathcal{U}$.

rhodotricha *K. Schum. Nachtr.* 79. fig. 10.—Paraguay.—
 $\mathcal{U}$.

Salmiana *Web.*—*K. Schum.* 237.—Bolivia.— $\mathcal{U}$.

Schickendantzii *Web.*—*K. Schum.* 237.—Argentina.—
 $\mathcal{U}$. June–July.

tubiflora *Zucc.*—*K. Schum.* 234; *B. M.* t. 3627.—S. Brazil.—
 $\mathcal{U}$. June–August.

ECHINOPSIS (*continued*).

valida Monv.—*K. Schum.* 238.—Paraguay.— $\mathcal{U}$.

Zuccarinii Pfeiff. = *tubiflora*.

† **ECHIUM** *L.*—*N. Pff.* iv. 3a. 128.—Borraginaceæ—Borraginoideæ—Echieæ.

aculeatum *Poir.*—*DC.* x. 18.—Canary Islands.— $\frac{1}{2}$. March–April.

bifrons *DC.* x. 17.—Canary Islands.— $\frac{1}{2}$. April–May.

candicans *L.*—*DC.* x. 17; *B. M.* t. 6868.—Madeira.— $\frac{1}{2}$. April–May.

fastuosum *Ait.*—*DC.* x. 16; *B. M.* sub t. 6868; *Gard. Chron.* 1903, i. 328.—Canary Islands.— $\frac{1}{2}$. April–May.

giganteum *L.*—*DC.* x. 18; *Vent. Malm.* t. 71.—Canary Islands.— $\frac{1}{2}$. March.

lineatum *Jacq. fil.*—*DC.* x. 17.—Canary Islands.— $\frac{1}{2}$. March–April.

molle *Poir.*—*DC.* x. 17.—Teneriffe.— $\frac{1}{2}$. February–March.

roseum *Hort.*—Canary Islands.— $\frac{1}{2}$. March–April.

simplex *DC.* x. 16.—Teneriffe.— $\oplus$. April.

Wildpretii *Pearson.*—*B. M.* t. 7847; *Gard. Chron.* 1905, ii. 5.—Teneriffe.— $\oplus$. May.

EDGEWORTHIA *Meissn.*—*N. Pff.* iii. 6a. 238.—Thymelæaceæ—Thymelæoideæ—Daphneæ—Daphninaæ.

Gardneri *Meissn.*—*DC.* xiv. 543; *Fl. Brit. Ind.* v. 195; *B. M.* t. 7180.—Himalaya, China, Japan.— $\frac{1}{2}$. Spring.

Edwardsia *Salisb.* = *Sophora*.

EHRETIA *L.*—*N. Pff.* iv. 3a. 87.—Borraginaceæ—Ehretioideæ.

acuminata *R. Br.*—*DC.* ix. 503; *Fl. Austr.* iv. 387; *Fl. Brit. Ind.* iv. 141; *Wight, Ic.* t. 170.—India, Australia, Japan.— $\frac{1}{2}$. July.

macrophylla *Wall.*—*DC.* ix. 503; *Fl. Brit. Ind.* iv. 141.—Himalaya.— $\frac{1}{2}$. June.

serrata *Roxb.* = *acuminata*.

EICHHORNIA *Kunth.*—*N. Pff.* ii. 4. 73.—Pontederiaceæ.

crassipes *Solms.*—*E. speciosa* *Kunth*, *En.* iv. 131.—*Pontederia azurea* *Hook.* in *B. M.* t. 2932.—S. America.— $\mathcal{U}$. Summer.

ELÆAGNUS *L.*—*N. Pff.* iii. 6a. 249.—Elæagnaceæ.

angustifolia *L.*—*DC.* xiv. 609; *Fl. d'It.* n. 930.—Temperate Asia.— $\frac{1}{2}$. May–June.

edulis *Sieb.* = *multiflora*.

ELÆAGNUS (*continued*).

glabra Thunb.—DC. xiv. 614; *Nich. Dict.* 505.—Japan.—

½. November–January.

latifolia L.—DC. xiv. 610; *Fl. Brit. Ind.* v. 202; *Wight, Ic.*

t. 1856; *Brand. For. Fl.* t. 46.—Tropical Asia.—½.

latifolia Hort. = *umbellata*.

macrophylla Thunb.—DC. xiv. 614; *B. M.* t. 7638.—Japan.

—½. November–January.

multiflora Thunb.—DC. xiv. 614; *B. M.* t. 7341.—Japan.

—½.

parvifolia Royle.—DC. xiv. 612.—Japan, China.—½. April–

May.

pungens Thunb.—DC. xiv. 614; *Nich. Dict.* 506.—Japan.

—½. November–January.

„ var. *reflexa* Rehd.—*Schneider, Hdb. Laubh.* ii.

413.—Japan.—½ §. November–January.

umbellata Thunb.—DC. xiv. 614; *Fl. Brit. Ind.* v. 201;

Royle, Ill. t. 81.—Afghanistan, India, China, Japan.—½.

ELÆOCARPUS L.—*N. Pff.* iii. 6. 5.—Elæocarpaceæ—Elæocarpeæ.

cyaneus Ait.—*Fl. Austr.* i. 281; *B. M.* t. 1737; *Bossche,*

Ic. Sel. t. 93; *Gard. Chron.* 1904, ii. 280.—Australia.—½.

‡ **ELÆODENDRON** Jacq.—*N. Pff.* iii. 5. 215, sub *Cassine*.—

Celastraceæ—Cassinioidæ—Eucassinieæ.

capense E. & Z.—*Fl. Cap.* i. 468; *B. M.* t. 3835.—Cape.—

½. February.

ELÆOSELINUM C. Koch.—*N. Pff.* iii. 8. 244.—Umbelliferæ—

Apioidæ—Laserpitieæ—Elæoselinæ.

Asclepium Bertol.—*Fl. d'It.* n. 2373.—S. Europe.—¼.

ELETTARIA Maton.—*N. Pff.* ii. 6. 27.—Zingiberaceæ—Zingibereæ.

Cardamomum White & Maton.—*Fl. Brit. Ind.* vi. 251.—

Malabar.—¼.

EMBOTHRIMUM Forst.—*N. Pff.* iii. 1. 148.—Proteaceæ—Grevil-

loideæ—Embothrieæ.

coccineum Forst.—DC. xiv. 443; *B. M.* t. 4856.—Chili.—½.

ENCEPHALARTOS Lehm.—*N. Pff.* ii. 1. 22.—Cycadaceæ—

Zamieæ.

Altensteinii Lehm.—DC. xvi. 2. 532; *B. M.* t. 7162; *Gard.*

Chron. 1906, ii. 206.—S. Africa.—½. Summer.

ENCEPHALARTOS (*continued*).

cycadifolius Lehm.—DC. xvi. 2. 531.—S. Africa.— $\frac{1}{2}$.

horridus Lehm.—DC. xvi. 2. 532; *B. M.* t. 5371.—*Zamia horrida* Jacq.—S. Africa.— $\frac{1}{2}$.

Lehmanni Lehm.—DC. xvi. 2. 531.—S. Africa.— $\frac{1}{2}$.
Summer.

villosus Lem.—DC. xvi. 2. 533; *B. M.* t. 6654; *Bossche, Ic. Sel.* t. 160.—S. Africa.— $\frac{1}{2}$. Summer.

ENCHYLÆNA *R. Br.*—*N. Pff.* iii. 1a. 71.—Chenopodiaceæ—Cyclolobeæ—Camphorosmeæ.

tomentosa *R. Br.*—DC. xiii. 2. 128; *Fl. Austr.* v. 181.—Australia.— $\frac{1}{2}$. September–October.

ENTELEA *R. Br.*—*N. Pff.* iii. 6. 21.—Tiliaceæ—Tiliæ.

arborescens *R. Br.*—*Hook. fil. Hdb. Fl. N. Zeal.* 32; *B. M.* t. 2480.—New Zealand.— $\frac{1}{2}$. June–July.

EPHEDRA *L.*—*N. Pff.* ii. 2. 117.—Gnetaceæ.

altissima Desf.—DC. xvi. 2. 356; *B. M.* t. 7670.—Atlas Mountains.— $\frac{1}{2}$ §. February–May.

distachya *L.*—*Fl. d'It.* n. 101.—*E. vulgaris* Rich. DC. xvi. 2. 354.—S. Europe to Central Asia.— $\frac{1}{2}$. October.

fragilis Desf.—DC. xvi. 2. 355; *Fl. d'It.* n. 103.—Mediterranean region, Arabia.— $\frac{1}{2}$. October.

EPIDENDRUM *L.*—*N. Pff.* ii. 6. 144.—Orchidaceæ—Læliinæ—Cattleyæ.

falcatum Lindl.—*B. M.* t. 3778.—Mexico.— $\frac{1}{4}$.

prismatocarpum Reichb.f.—*B. M.* t. 5336.—Central America.— $\frac{1}{4}$.

radicans Pav.—*Nich. Dict.* i. 513.—Mexico.— $\frac{1}{4}$.

EPILOBIUM *L.*—*N. Pff.* iii. 7. 208.—Onagraceæ—Epilobieæ.

haloragifolium A. Cunn.—*Hdb. Fl. N. Zeal.* 80.—New Zealand.— $\frac{1}{4}$.

pedicellare Presl.—*Index Kewensis*, ii. 853.—Chili.— $\frac{1}{4}$.

EPIMEDIUM *L.*—*N. Pff.* iii. 2. 75.—Berberidaceæ.

pinnatum Fisch.—DC. i. 110; *B. M.* t. 4456.—Persia.— $\frac{1}{4}$.
April.

EPIPHYLLANTHUS *Berger, Rep. Miss. Bot. Gard.* 1905, 84.—Cactaceæ—Cereoideæ—Echinocactæ.

obtusangulus *Berger, l. c.*—*K. Schum.* 127.—Brazil.— $\frac{1}{4}$.
Spring.

EPIPHYLLUM *Haw.*—*N. Pff.* iii. 6a. 183.—Cactaceæ—Cereoideæ—Echinocactææ.

Altensteinii *Pfeiff. En.* 28, *Abbild.* t. 28.—Brazil.—½. December.

Gaertneri *Hook. fil.*—*K. Schum.* 223; *B. M.* t. 7201.—Brazil.—½. March.

Bridgesii *Lem.*—*K. Schum. Nachtr.* 74.—*E. Rueckerianum* Hort.—Brazil.—½. February.

truncatum *Haw.*—*K. Schum.* 221; *B. M.* t. 2562.—Brazil.—½.—December–February.

EPIPREMNUM *Schott.*—*N. Pff.* ii. 3. 120.—Araceæ—Monsteroideæ—Monstereæ.

mirabile Schott = *pinnatum*.

pinnatum *Engl.*—*R. V. C.* iv. 23 B. 60; *Fl. Brit. Ind.* vi. 549.—Malayan Islands.—½ §.

ERANTHIS *Salisb.*—*N. Pff.* iii. 2. 57.—Ranunculaceæ—Helleboreæ.

hyemalis *Salisb.*—*DC.* i. 46; *B. M.* t. 3; *Fl. d'It.* n. 1615.—Central and S. Europe.—¼. January–February.

ERCILLA *A. Juss.*—*N. Pff.* iii. 1b. 11.—Phytolaccaceæ—Phytolaccææ.

volubilis *A. Juss.*—*DC.* xiii. 2. 238; *Walter, Phytol. (R. V. C.)*, 34.—Peru.—¼ §.

EREMOSTACHYS *Bunge.*—*N. Pff.* iv. 3a. 246.—Labiataæ—Stachyoideæ—Lamiinæ.

laciniata *Bunge.*—*DC.* xii. 547; *B. M.* t. 7048.—Orient.—¼. June–July.

ERIANTHUS *Michx.*—*N. Pff.* ii. 2. 24.—Gramineæ—Andropogoneæ.

Ravennæ *Beauv.*—*Kunth, En.* i. 479; *Fl. d'It.* n. 117.—Mediterranean region.—¼. Autumn.

† **ERICA** *L.*—*N. Pff.* iv. 1. 58.—Ericaceæ—Ericoideæ—Ericææ.

arborea *L.*—*DC.* vii. 690; *Moggr. Fl. Ment.* t. 59; *Fl. d'It.* n. 2643.—S. Europe, Canaries, Caucasus, Abyssinia.—½. March–April.

australis *L.*—*DC.* vii. 666; *Lodd. B. C.* t. 1472; *B. M.* t. 8045.—S. Europe, N. Africa.—½. April–June.

cornuta *Roxb.*—*DC.* vii. 684; *Fl. Cap.* iv. 1. 301, as *E. cristæflora* v. *blanda*.—S. Africa.—½.

ERICA (*continued*).

mediterranea *L.*—*DC.* vii. 614; *B. M.* t. 471.—Mediterranean region.— $\frac{1}{2}$. January–April.

multiflora *L.*—*DC.* vii. 667; *Lodd. B. C.* t. 1572; *Moggr. Fl. Ment.* t. 59; *Fl. d'It.* n. 2645.—S. France, Italy.— $\frac{1}{2}$. October–November.

polytrichifolia *Salisb.*—*DC.* vii. 689.—Portugal.— $\frac{1}{2}$. February.

scoparia *L.*—*DC.* vii. 692; *Fl. d'It.* n. 2642.—S. Europe.— $\frac{1}{2}$. April–May.

stricta *Andr.*—*DC.* vii. 666; *Fl. d'It.* n. 2646.—Spain, Corsica, Sardinia.— $\frac{1}{2}$. May–August.

† **ERIGERON** *L.*—*N. Pff.* iv. 5. 164.—Compositæ–Astereæ–Asterinæ.

Karwinskyanus *DC.* var. **mucronatus** *DC.* v. 285; *Fl. d'It.* n. 3529.—*Vittadinia triloba* *Hort.*—Mexico.— $\frac{1}{4}$. All the year.

speciosus *DC.* v. 284.—N.W. America.— $\frac{1}{4}$. April–May.

Villarsii *Ball.*—*DC.* v. 291; *Lodd. B. C.* t. 1390.—Europe.— $\frac{1}{4}$. April–May.

ERIOBOTRYA *Lindl.*—*N. Pff.* iii. 3. 25.—Rosaceæ–Pomoideæ–Pomariæ.

japonica *Lindl.*—*DC.* ii. 631; *Wight, Ic.* t. 226; *Fl. d'It.* n. 1848.—Japan, China.— $\frac{1}{2}$. November–December.

ERIOCEPHALUS *L.*—*N. Pff.* iv. 5. 270.—Compositæ–Anthemideæ–Anthemidinæ.

africanus *L.*—*DC.* vi. 145; *B. M.* t. 833.—Cape.— $\frac{1}{2}$. November–March.

ERIOGONUM *Michx.*—*N. Pff.* iii. 1a. 14.—Polygonaceæ–Rumicoideæ–Eriogoneæ.

arborescens *Green in Bull. Calif. Acad.* i. 1. 1884, 11.—Western N. America.— $\frac{1}{4}$ $\frac{1}{2}$. June–July.

ERODIUM *L'Hér.*—*N. Pff.* iii. 4. 9.—Geraniaceæ–Geraniæ.

hymenodes *L'Hér. Ger.* t. 4; *DC.* i. 647; *B. M.* t. 1174.—Algeria.— $\frac{1}{4}$. Spring.

Manescavi *Bub.*—*Gren. & Godr. Fl. Fr.* i. 312.—Pyrenees.— $\frac{1}{4}$. June.

Reichardi *DC.* i. 649; *L'Hér. Ger.* t. 6.—Balearic Islands.— $\frac{1}{4}$. April–September.

ERYNGIUM *L.*—*N. Pff.* iii. 8. 139.—Umbelliferæ—Saniculoideæ—Saniculeæ.

agavifolium *Griseb.*—*N. Pff.* iii. 8. 142.—Argentina.— $\mathcal{U}$. June.

amethystinum *L.*—*DC.* iv. 88; *Fl. d'It.* n. 2233.—Europe.— $\mathcal{U}$. June–July.

aquifolium *Cav.*—*DC.* iv. 21; *W. & L. Fl. Hisp.* iii. 10.—Spain.— $\mathcal{U}$. June–July.

***campestre** *L.*—*DC.* iv. 88; *Fl. d'It.* n. 2232.—Europe.— $\mathcal{U}$. June–July.

creticum *Lam.*—*DC.* iv. 89; *Fl. d'It.* n. 2230.—Eastern Mediterranean region.— $\mathcal{U}$. June–July.

dichotomum *Desf.*—*DC.* iv. 90; *Fl. d'It.* n. 2235.—Mediterranean region.— $\mathcal{U}$. June–July.

eburneum *Decne.*—*Bull. Soc. Bot. Fr.* 1873, 23.—Brazil.— $\mathcal{U}$. June–July.

giganteum *Bieb.*—*DC.* iv. 90; *Nich. Dict.* fig. 729.—Orient.— $\mathcal{U}$. June–July.

pandanifolium *Cham. & Schlecht.*—*DC.* iv. 95; *The Garden*, 1902, i. 37.—Brazil.— $\mathcal{U}$. June–July.

Sanguisorba *Cham. & Schlecht.*—*DC.* iv. 97.—Brazil.— $\mathcal{U}$. June–July.

Serra *Cham. & Schlecht.*—*DC.* iv. 94; *Bossche, Ic. Sel.* t. 166.—Brazil.— $\mathcal{U}$. June–July.

Spinalba *Vill.*—*DC.* iv. 88; *Fl. d'It.* n. 2238.—Europe.— $\mathcal{U}$. June–July.

ERYSIMUM *L.*—*N. Pff.* iii. 2. 193.—Cruciferæ—Hesperideæ—Erysiminæ.

ochroleucum *DC.* i. 199; *W. & L. Fl. Hisp.* iii. 808.—Spain.— $\mathcal{U}$. Spring.

Perofskianum *F. & M.*—*B. M.* t. 3757.—Caucasus.— $\odot$.

rupestre *DC.* i. 197.—Asia Minor.— $\mathcal{U}$.

thyrsoideum *Boiss. Fl. Or.* i. 190.—Asia Minor.— $\mathcal{U}$.

ERYTHEA *S. Wats.*—*N. Pff.* ii. 3. 35.—Palmæ—Coryphinae—Sabaleæ.

armata *S. Wats.*—*Nich. Dict. Suppl.* 352.—*Brahea Roezli* Linden.—California.— $\mathcal{U}$.

Brandegeei *Purpus in Gartfl.* 1903, 11.—California.— $\mathcal{U}$.

edulis *S. Wats.*—*Nich. Dict.* i. 530.—Guadalupe Island.— $\mathcal{U}$.

- ‡ **ERYTHRINA** *L.*—*N. Pff.* iii. 3. 363.—Leguminosæ—Papilionatæ—Phaseoleæ—Erythrininæ.
caffra *Thunb.*—*DC.* ii. 412; *Fl. Cap.* ii. 236; *B. M.* t. 2431.—S. Africa.— $\frac{1}{2}$. July–October.
coralloides *Moç. & Sessé.*—*DC.* ii. 413.—Mexico.— $\frac{1}{2}$.
crista-galli *L.*—*DC.* ii. 413; *B. M.* t. 2161.—Brazil.— $\frac{1}{2}$. Summer.
herbacea *L.*—*DC.* ii. 411; *B. M.* t. 877.—W. Indies, S. United States.— $\frac{1}{2}$. June–July.
indica *Lam.*—*DC.* ii. 412; *Fl. Br. Ind.* ii. 188; *Wight, Ic.* t. 58.—India, Tropical Asia, Java, Polynesia.— $\frac{1}{2}$.
insignis *Tod. Hort. Pan.* t. 2.—Native of ?— $\frac{1}{2}$. April.
tomentosa *R. Br.*—*Fl. Trop. Afr.* ii. 184.—E. Tropical Africa, Nubia to Natal.— $\frac{1}{2}$.
viarum *Tod. Nuov. Gen. & Spec.* 62.—Native land not known.— $\frac{1}{2}$.

- ESCALLONIA** *L. fil.*—*N. Pff.* iii. 2a. 84.—Saxifragaceæ—Escallonioidæ.
floribunda *H. B. K.*—*DC.* iv. 4; *B. M.* t. 6404.—New Granada.— $\frac{1}{2}$. August–September.
illinita *Presl.*—*Nich. Dict.* i. 533.—Chili.— $\frac{1}{2}$.
langleyensis *Nich. Dict. Suppl.* 354; *Gard. Chron.* 1897, ii. 15, & 1898, ii. 11.—Garden origin.— $\frac{1}{2}$.
macrantha *Hook. & Arn.*—*B. M.* t. 4473.—Chiloé Island.— $\frac{1}{2}$. October–May.
pterocladon *Hook.* in *B. M.* t. 4827.—Patagonia.— $\frac{1}{2}$.
rubra *Pers.*—*DC.* iv. 3; *B. M.* t. 2890; *Schneider, Hdb. Laubh.* i. 398.—Chili.— $\frac{1}{2}$. November–March.
viscosa *Forb.*—*Bossche, Ic. Sel.* t. 16.—Chili.— $\frac{1}{2}$. July.

- ESCHSCHOLTZIA** *Cham.*—*N. Pff.* iii. 2. 139.—Papaveraceæ—Papaveroideæ—Eschscholtzieæ.
californica *Cham.*—*DC.* ii. 344; *B. M.* t. 2887; *Fedde, Papav. (R. V. C.)* 154.—California.—☉. March–April.

- ‡ **EUCALYPTUS** *L'Hér.*—*N. Pff.* iii. 7. 89; Myrtaceæ—Leptospermoideæ—Leptospermeæ—Eucalyptinæ.
amygdalina *Labill.*—*Fl. Austr.* iii. 202; *B. M.* t. 3260; *Fl. d'It.* n. 2192.—N. S. Wales, Victoria, Tasmania.— $\frac{1}{2}$. June–July.
botryoides *Sm.*—*Fl. Austr.* iii. 229.—Queensland, N. S. Wales, Victoria.— $\frac{1}{2}$.

EUCALYPTUS (*continued*).

calophylla *R. Br.*—*Fl. Austr.* iii. 225 ; *B. M.* t. 4036 ; *Gard. Chron.* 1896, ii. 661.—W. Australia.— $\frac{1}{2}$.

citriodora *Hook.*—*Fl. Austr.* iii. 257.—Queensland.— $\frac{1}{2}$.

cneorifolia *DC.* iii. 220 ; *Fl. Austr.* iii. 217.—Australia.— $\frac{1}{2}$.

coriacea *A. Cunn.*—*Fl. Austr.* iii. 201.—Australia.— $\frac{1}{2}$.

cornuta *Labill.*—*Fl. Austr.* iii. 234.—W. Australia.— $\frac{1}{2}$.
May–June.

crebra *F. M.*—*Fl. Austr.* iii. 221.—N. Australia, Queensland,
N. S. Wales.— $\frac{1}{2}$. June–July.

diversicolor *F. M.*—*Fl. Austr.* iii. 251.—W. Australia.— $\frac{1}{2}$.
June–July.

ficifolia *F. M.*—*Fl. Austr.* iii. 256 ; *B. M.* t. 7697.—W.
Australia.— $\frac{1}{2}$.

Globulus *Labill.*—*Fl. Austr.* iii. 225 ; *Fl. d'It.* n. 2190.—
Victoria, Tasmania.— $\frac{1}{2}$. October–May.

gomphocephala *DC.* iii. 220.—Australia.— $\frac{1}{2}$.

Gunnii *Hook. f.*—*Fl. Austr.* iii. 246.—Victoria, Tasmania.— $\frac{1}{2}$.

Lehmanni *Preiss.*—*Fl. Austr.* iii. 233 ; *B. M.* t. 6140, as *E.*
cornuta.—W. Australia.— $\frac{1}{2}$. October, May.

leucoxylon *F. M.*—*Fl. Austr.* iii. 209.—N. S. Wales, Victoria,
S. Australia.— $\frac{1}{2}$. October–December.

macrandra *F. M.*—*Fl. Austr.* iii. 235.—W. Australia.— $\frac{1}{2}$.

melliodora *A. Cunn.*—*Fl. Austr.* iii. 210.—N. S. Wales,
Victoria.— $\frac{1}{2}$. July–August.

occidentalis *Endl.*—*Fl. Austr.* iii. 235 ; *Bosche, Ic. Sel.* t.
184.—W. Australia.— $\frac{1}{2}$. September.

polyanthemos *Schau.*—*Fl. Austr.* iii. 213.—Australia.— $\frac{1}{2}$.

robusta *Sm.*—*Fl. Austr.* iii. 228 ; *Fl. d'It.* n. 2191.—N. S.
Wales.— $\frac{1}{2}$. January.

viminalis *Labill.*—*Fl. Austr.* iii. 239.—N. S. Wales, Victoria,
S. Australia, Tasmania.— $\frac{1}{2}$.

‡ **EUCLEA** *L.*—*N. Pff.* iv. 1. 158.—Ebenaceæ.

Pseudebenus *E. Mey.*—*Fl. Trop. Afr.* iii. 512.—S. W. Africa.
— $\frac{1}{2}$. July.

EUCOMIS *L'Hér.*—*N. Pff.* ii. 5. 67.—Liliaceæ–Lilioideæ–
Scilleæ.

punctata *L'Hér.*—*Kunth, En.* iv. 302 ; *Fl. Cap.* vi. 475 ; *B. M.*
t. 913.—S. Africa.— $\frac{1}{2}$.

regia *Ait.*—*Kunth, En.* iv. 302 ; *Fl. Cap.* vi. 477 ; *Ref. Bot.*
t. 238.—S. Africa.— $\frac{1}{2}$.

- ‡**EUCOMMIA** *Oliver*.—*N. Pff. Nachtr.* i. 159.—Trochodendraceæ—Euptelodieæ.
ulmoides *Oliver*.—*N. Pff. l. c.*; *Kew Bull.* 1904, 4; *Schneider, Hdb. Laubh.* i. 424.—China.— h .
- EUCRYPHIA** *Cav.*—*N. Pff.* iii. 6. 131.—Eucryphiaceæ.
pinnatifolia *Gay*.—*B. M.* t. 7067; *Gard. Chron.* 1901, ii. 351.—Chili.— h .
- ‡**EUGENIA** *Michx.*—*N. Pff.* iii. 7. 78.—Myrtaceæ—Myrtoideæ—Myrteæ—Eugeniinæ.
apiculata *DC.* iii. 276.—Chili.— h .
australis *Wendl.* = *myrtifolia*.
dysenterica *DC.* iii. 268.—Brazil.— h .
edulis *Berg.*—*N. Pff.* iii. 7. 82.—S. America.— h .
Jambos *L.*—*DC.* iii. 286; *Fl. Brit. Ind.* ii. 474; *B. M.* t. 1696, 3356.—India to Australia.— h .
littoralis *Planch.*—*Bull. Soc. Bot. Fr.* xii. 1865, 178.—New Caledonia.— h .
Mato *Griseb.*—*Goett. Abh.* xxiv. 1879, 125.—Argentina.— h .
Michelii *Lam.* = *uniflora*.
myrtifolia *Sims.*—*DC.* iii. 287; *B. M.* t. 2230.—Australia.— h . June–September.
Ugni *Hook. & Arn.*—*B. M.* t. 4626.—Chili.— h .
uniflora *L.*—*Ind. Kew.*—*E. Michelii* *Lam.* *DC.* iii. 262; *B. M.* t. 473.—Brazil.— h .
- ‡**EULOPHIA** *R. Br.*—*N. Pff.* ii. 6. 157.—Orchidaceæ—Monandraceæ—Cyrtopodiinæ.
Coleæ *Rolfe.*—*Fl. Trop. Afr.* vii. 56.—Somaliland, Eritrea.— u .
- EUPATORIUM** *L.*—*N. Pff.* iv. 5. 138.—Compositæ—Eupatorieæ—Ageratinæ.
ageratoides *L. fil.*—*DC.* v. 175.—N. America.— u . May–June.
aromaticum *L.*—*DC.* v. 175.—N. America.— u . May–June.
grandiflorum *André, Rev. Hort.* 1882, 384.—Central America?— h . November–March.
micranthum *Less.*—*DC.* v. 154; *Ref. Bot.* t. 155.—Mexico.— h . November–March.
Purpusii *Brandegee.*—*Erythea*, vii. 3.—Mexico.— h . March.
riparium *Rgl.*—*Gartfl.* xv. 1866, 324. t. 525.—Mexico.— u . March.
violaceum *Hort.*—*DC.* v. 170, sub *E. guadalupense*?—Guadalupe?— h . November–March.
Weinmannianum *Rgl.* = *micranthum*.

- † **EUPHORBIA** *L.*—*N. Pff.* iii. 4. 103.—Euphorbiaceæ—Crotonoideæ—Euphorbiææ.
- abyssinica** *Raenschel.*—*DC.* xv. 2. 84; *Berger, Euph.* 67.—Abyssinia.— $\frac{1}{2}$.
- aggregata** *Berger, Euph.* 92.—S. Africa.— $\frac{1}{2}$ $\frac{1}{2}$. June.
- albicornis** *Bak.*—*Journ. Linn. Soc.* xxii. 1887, 517; *Berger, Euph.* 41.—Madagascar. $\frac{1}{2}$.
- altissima** *Boiss.*—*DC.* xv. 2. 116; *Boiss. Ic. Euph.* t. 66.—Asia Minor, Greece.— $\frac{1}{2}$. February–May.
- Ammak** *Schweinfth.*—*Berger, Euph.* 74.—S. Arabia.— $\frac{1}{2}$.
- amygdaloides** *L.*—*DC.* xv. 2. 170; *Fl. d'It.* n. 2617.—S. Europe.— $\frac{1}{2}$. February–May.
- anacantha** *Ait.*—*DC.* xv. 2. 86; *Berger, Euph.* 107.—S. Africa.— $\frac{1}{2}$. April.
- aphylla** *Brouss.*—*DC.* xv. 2. 96; *Berger, Euph.* 23.—Canary Islands.— $\frac{1}{2}$. June.
- atropurpurea** *Brouss.*—*DC.* xv. 2. 108; *Berger, Euph.* 15; *B. M.* t. 3321.—Teneriffe.— $\frac{1}{2}$. April.
- balsamifera** *Ait.*—*DC.* xv. 2. 107; *Berger, Euph.* 14.—Canary Islands.— $\frac{1}{2}$. June.
- Beaumieriana** *Hook. fil. & Coss.*—*Berger, Euph.* 85.—Morocco.— $\frac{1}{2}$. June.
- biglandulosa** *Desf.*—*DC.* xv. 2. 175; *Fl. d'It.* n. 2608.—S. Italy, Greece, Crete, Asia Minor.— $\frac{1}{2}$. March–April.
- Bivonæ** *Steud.*—*DC.* xv. 2. 130; *Fl. d'It.* n. 2580; Western Mediterranean region.— $\frac{1}{2}$. April.
- Bojeri** *Hook.*—*DC.* xv. 2. 79; *B. M.* t. 3527; *Berger, Euph.* 32.—Madagascar.— $\frac{1}{2}$. Nearly all the year.
- bubalina** *Boiss.*—*DC.* xv. 2. 90; *Berger, Euph.* 121.—S. Africa.— $\frac{1}{2}$. June–August.
- canariensis** *L.*—*DC.* xv. 2. 83; *Berger, Euph.* 64.—Canary Islands.— $\frac{1}{2}$. May–June.
- candelabrum** *Trem.*—*DC.* xv. 2. 84; *Berger, Euph.* 73.—Abyssinia.— $\frac{1}{2}$.
- caput-medusæ** *L.*—*DC.* xv. 2. 86; *Berger, Euph.* 110; *Lodd. B. C.* t. 1315.—S. Africa.— $\frac{1}{2}$ $\frac{1}{2}$. March.
- ceratocarpa** *Ten.*—*DC.* xv. 2. 122; *Fl. d'It.* n. 2579.—S. Italy, Sicily.— $\frac{1}{2}$. May–July.
- cereiformis** *L.*—*DC.* xv. 2. 88; *Boiss. Ic. Euph.* t. 48; *Berger, Euph.* 96.—S. Africa.— $\frac{1}{2}$. March–April.
- cervicornis** *Boiss.*—*DC.* xv. 2. 90; *Berger, Euph.* 123.—S. Africa.— $\frac{1}{2}$.

EUPHORBIA (*continued*).

***Characias** *L.*—*DC.* xv. 2. 172; *Fl. d'It.* n. 2618.—Mediterranean region.— $\frac{1}{4}$. February–April.

„ var. **veneta** *Fiori & Paol. Fl. d'It.* n. 2618 β .—*E. Wulfenii* *Hpe.*—Adriatic coast.— $\frac{1}{4}$. February–April.

clava *Jacq.*—*DC.* xv. 2. 89; *Berger, Euph.* 120.—S. Africa.— $\frac{1}{2}$.

Cooperi *N. E. Br.*—*Berger, Euph.* 83.—Natal.— $\frac{1}{2}$.

coralloides *L.*—*DC.* xv. 2. 117; *Fl. d'It.* n. 2588.—Italy.— $\frac{1}{4}$. May–June.

***dendroides** *L.*—*DC.* xv. 2. 109; *Fl. d'It.* n. 2604; *Berger, Euph.* 17.—Mediterranean region.— $\frac{1}{2}$. November–May.

Dinteri *Berger, Euph.* 83.—German S.W. Africa.— $\frac{1}{2}$.

Dregeana *E. Mey.*—*DC.* xv. 2. 95; *Berger, Euph.* 26.—S. Africa.— $\frac{1}{2}$.

Echinus *Hook. fil. & Cosson.*—*Berger, Euph.* 85.—Morocco.— $\frac{1}{2}$. June.

enopla *Boiss.*—*DC.* xv. 2. 89; *Berger, Euph.* 93.—S. Africa.— $\frac{1}{2}$. June.

„ var. **dentata** *Berger, Euph.* 95.—S. Africa.— $\frac{1}{2}$.

erosa *Willd.*—*Berger, Euph.* 90.—S. Africa.— $\frac{1}{2}$. June.

Erythrææ *Berger, Euph.* 73.—Eritrea.— $\frac{1}{2}$. May.

Fournieri *Hort.*—*Nich. Dict. Suppl.* 357; *Berger, Euph.* 127.—Madagascar.— $\frac{1}{2}$.

Franckiana *Berger, Euph.* 78.—S. Africa.— $\frac{1}{2}$. April.

fruticosa *Forsk.*—*DC.* xv. 2. 85; *Berger, Euph.* 87.—S. Arabia.— $\frac{1}{2}$.

fulgens *Karw.*—*DC.* xv. 2. 68; *B. M. t.* 3673.—Mexico.— $\frac{1}{2}$. Winter.

Gerardiana *Jacq.*—*DC.* xv. 2. 166.—Mediterranean region.— $\frac{1}{4}$.

globosa *Sims.*—*DC.* xv. 2. 87; *Berger, Euph.* 104; *B. M. t.* 2624.—S. Africa.— $\frac{1}{4}$. June–October.

græca *Boiss. & Sprun.*—*DC.* xv. 2. 144 and 1267.—Greece, Asia Minor.— $\frac{1}{4}$.

grandicornis *Goebel.*—*Berger, Euph.* 52.—Tropical Africa?— $\frac{1}{2}$. Spring.

grandidens *Haw.*—*DC.* xv. 2. 82; *Berger, Euph.* 47.—S. Africa.— $\frac{1}{2}$. June–July.

heptagona *L.*—*DC.* xv. 2. 88; *Berger, Euph.* 93.—S. Africa.— $\frac{1}{2}$. May.

Hermentiana *Lem.*—*DC.* xv. 2. 82; *Berger, Euph.* 50.—W. Africa.— $\frac{1}{2}$

EUPHORBIA (*continued*).

Intisy Drake.—Berger, *Euph.* 24.—Madagascar.— $\frac{1}{2}$.

lactea Haw.—DC. xv. 2. 82; Berger, *Euph.* 49.—S. Africa.— $\frac{1}{2}$.

Laro Drake.—Berger, *Euph.* 23.—Madagascar.— $\frac{1}{2}$.

Lathyris L.—DC. xv. 2. 99; *Fl. d'It.* n. 2577.—Italy.— $\oplus$.
May–July.

Ledienii Berger, *Euph.* 80; B. M. t. 8275.—S. Africa.— $\frac{1}{2}$.
May.

mammillaris L.—DC. xv. 2. 88; Berger, *Euph.* 90.—
S. Africa.— $\frac{1}{2}$.

„ var. **spinosior** Berger, *Euph.* 90.—S. Africa.—
 $\frac{1}{2}$.

Marlothii Pax.—Berger, *Euph.* 115.—German S.W. Africa.
— $\frac{1}{2}$. July–August.

mauritanica L.—DC. xv. 2. 94; Berger, *Euph.* 26.—S. Africa.
 $\frac{1}{2}$.

meloformis Ait.—DC. xv. 2. 87; Berger, *Euph.* 101; DC.
Pl. Gr. t. 139.—S. Africa.— $\frac{1}{2}$. April–May.

Morinii Berger, *Euph.* 98.—S. Africa.— $\frac{1}{2}$.

multiceps Berger, *Euph.* 109.—S. Africa.— $\frac{1}{2}$.

Myrsinites L.—DC. xv. 2. 173; *Fl. d'It.* n. 2609.—S. Europe.
— $\frac{1}{4}$.

neriifolia L.—DC. xv. 2. 79; Berger, *Euph.* 34; DC. *Pl. Gr.*
t. 46.—India.— $\frac{1}{2}$. Summer.

neutra Berger, *Euph.* 71.—Native land unknown.— $\frac{1}{2}$.

nicæensis All.—DC. xv. 2. 165; *Fl. d'It.* n. 2610a.—
Mediterranean region.— $\frac{1}{4}$. May–June.

Nivulia Haw.—DC. xv. 2. 79; Berger, *Euph.* 35; Wight, *Ic.*
t. 1862.—India.— $\frac{1}{2}$.

officinarum L.—DC. xv. 2. 84; Berger, *Euph.* 86.—N. Africa.
— $\frac{1}{2}$. Spring–Summer.

ornithopus Jacq.—DC. xv. 2. 87; Berger, *Euph.* 106.—Cape.
— $\frac{1}{4}$. Spring–Summer.

***Paralias** L.—DC. xv. 2. 167; *Fl. d'It.* n. 2607.—Medi-
terranean region.— $\frac{1}{4}$. May–July.

parciramulosa Schweinfth.—Berger, *Euph.* 76. fig. 18.—
S. Arabia.— $\frac{1}{2}$.

parvimamma Boiss.—DC. xv. 2. 86; Berger, *Euph.* 113.—
S. Africa.— $\frac{1}{4}$ $\frac{1}{2}$. June.

pendula Hort. = *Sarcostemma viminalis*.

Phillipsiæ N. E. Br.—Berger, *Euph.* 87.—Somaliland.— $\frac{1}{2}$.

EUPHORBIA

- piscatoria** *Ait.*—*DC.* xv. 2. 108; *Berger, Euph.* 15.—Madeira.
— h . April–June.
- polyacantha** *Boiss.*—*DC.* xv. 2. 84; *Berger, Euph.* 62.—
Eritrea, Abyssinia.— h .
- polygona** *Haw.*—*DC.* xv. 2. 88; *Berger, Euph.* 99.—S. Africa.
— h .
- procumbens** *Mill.*—*DC.* xv. 2. 92, as *E. pugniformis*; *Berger, Euph.* 118; *B. M.* t. 8082.—S. Africa.— h .
- pseudocactus** *Berger, Euph.* 78.—S. Africa?— h .
- pteroneura** *Berger, Euph.* 29.—S. Africa? Mexico?— h .
- pulcherrima** *Willd.*—*DC.* xv. 2. 71.—*Poinsettia pulcherrima*
Grah. B. M. t. 3493.—Mexico.— h . Winter.
- Regis-Jubæ** *Webb.*—*DC.* xv. 2. 109; *Berger, Euph.* 16.—
Canary Islands.— h . April–June.
- Reinhardtii** *Volkens.*—*Berger, Euph.* 66.—Tropical E. Africa.
— h .
- resinifera** *Berg.*—*Berger, Euph.* 61.—Morocco.— h .
- Schimperi** *Presl.*—*DC.* xv. 2. 96; *Berger, Euph.* 25.—Eritrea,
S. Arabia.— h .
- semiperfoliata** *Viv.*—*DC.* xv. 2. 170; *Fl. d'It.* n. 2617 β .—
Sardinia, Corsica.— h . February–June.
- similis** *Berger, Euph.* 69.—Natal?— h .
- splendens** *Bojer.*—*DC.* xv. 2. 79; *Berger, Euph.* 31; *B. M.* t.
2902.—Madagascar.— h . Nearly always.
- „ var. **parviflora** *Hort.*—*Berger, Euph.* 31.—
Madagascar.— h .
- Stapfii** *Berger, Euph.* 59.—Tropical E. Africa.— h .
- stellæspina** *Haw.*—*DC.* xv. 2. 89; *Berger, Euph.* 99.—
S. Africa.— h . May.
- submammillaris** *Berger, Euph.* 95.—S. Africa.— h . March
–May.
- tenuirama** *Schweinfth.*—*Berger, Euph.* 49.—Arabia?— h .
- tetragona** *Haw.*—*DC.* xv. 2. 84; *Berger, Euph.* 58.—S. Africa.
— h .
- Tirucalli** *L.*—*DC.* xv. 2. 96; *Berger, Euph.* 22.—Tropical
Africa and Asia.— h .
- triangularis** *Desf.*—*DC.* xv. 2. 179; *Berger, Euph.* 57.—
S. Africa?— h .
- trigona** *Haw.*—*DC.* xv. 2. 82; *Berger, Euph.* 45.—India.— h .
- uncinata** *DC. Pl. Gr.* t. 151; *DC.* xv. 2. 81; *Berger, Euph.*
38.—Cape.— h .

EUPHORBIA (*continued*).

viperina *Berger, Euph.* 114; *B. M. t.* 7971.—S. Africa.—½.
June–July.

virosa *Willd.*—*DC.* xv. 2. 83; *Berger, Euph.* 80.—S. Africa.
—½. May–June.

xylophylloides *Brongn.*—*DC.* xv. 2. 176; *Berger, Euph.* 24.
—Madagascar.—½.

EUPOMATIA *R. Br.*—*N. Pff.* iii. 2. 39.—Anonaceæ–Eupomaticeæ.

Bennettii *F. M.*—*Fl. Austr.* i. 54; *B. M. t.* 4848.—Australia.—½.

EUROTIA *Adans.*—*N. Pff.* iii. 1a. 66.—Chenopodiaceæ–Cyclolobeæ–Atripliceæ.

ceratoides *C. A. Mey.*—*DC.* xiii. 2. 120.—Mediterranean region, Orient, N. Asia, N. W. America.—¼.

EURYOPS *Cass.*—*N. Pff.* iv. 5. 302.—Compositæ–Senecioneæ–Othonninae.

spathaceus *DC.* vi. 446; *Fl. Cap.* iii. 414.—S. Africa.—½.
November–April.

virginicus *Less*—*DC.* vi. 445; *Fl. Cap.* iii. 411; *B. M. t.* 8291.—S. Africa.—½. February–March.

EVONYMUS *L.*—*N. Pff.* iii. 5. 199.—Celastraceæ–Celastroideæ.

echinatus *Wall.*—*Fl. Br. Ind.* i. 611; *Royle, Ill.* t. 31; *B. M. t.* 2767.—Himalaya.—½. November–December.

fimbriatus *Wall.*—*Fl. Br. Ind.* i. 611.—Himalaya.—½.
November–December.

japonicus *Thunb.*—*DC.* ii. 4; *Fl. d'It.* n. 2442.—Japan, China.—½. May.

lucidus *Don.* = *pendulus* *Wall.*

pendulus *Wall.*—*Fl. Br. Ind.* i. 612.—Himalaya.—½.

EXOCHORDA *Lindl.*—*N. Pff.* iii. 318.—Rosaceæ–Spiræoideæ–Quillaieæ.

Alberti *Rgl.*—*Schneider, Hdb. Laubh.* i. 493.—Central Asia.—½.

FABIANA *Rz. & Pav.*—*N. Pff.* iv. 3b. 32.—Solanaceæ–Cestreæ–Nicotianinae.

imbricata *Rz. & Pav.*—*DC.* xiii. 1. 590—Peru.—½. April–June.

Fabricia *Gaertn.* = *Leptospermum.*

‡**FALKIA** *L. fil.*—*N. Pff.* iv. 3a. 14.—Convolvulaceæ—Convolvuloideæ—Dichondreæ.

repens *L. fil.*—*DC.* ix. 451; *B. M.* t. 2228; *Bossche, Ic. Sel.* t. 99.—S. Africa.— $\frac{1}{4}$. June.

FALLUGIA *Endl.*—*N. Pff.* iii. 3. 38.—Rosaceæ—Rosoidæ—Potentilleæ—Dryadinæ.

paradoxa *Endl.*—*Schneider, Hdb. Laubh.* i. 526; *B. M.* t. 6660.—Mexico.— $\frac{1}{2}$.

Farfugium grande *Lindl.* = *Ligularia Kæmpferi* *Sieb. & Zucc.*

FARSETIA *Turr.*—*N. Pff.* iii. 2. 200.—Cruciferae—Hesperoideæ—Malcolmiinæ.

clypeata *R. Br.*—*DC.* i. 158.—Orient, S. Europe.—☉. April–May.

FATSIA *Decne. & Planch.*—*N. Pff.* iii. 8. 33.—Araliaceæ—Scheflereæ.

japonica *Decne. & Planch.*—*Nich. Dict.* iii. 3.—*Aralia japonica* *Thunb.* *DC.* iv. 258.—*Aralia Sieboldii* *Hort.*—Japan.— $\frac{1}{2}$. October–December.

FEDIA *Moench.*—*N. Pff.* iv. 4. 178.—Valerianaceæ.

Cornucopiæ *Gaertn.*—*DC.* iv. 630; *Fl. d'It.* n. 3356.—S. Europe, N. Africa.—☉.

Feijoa *Berg.* = *Orthostemon.*

FELICIA *Cass.*—*N. Pff.* iv. 5. 167.—Compositæ—Astereæ—Asterinæ.

abyssinica *Sch. Bip.*—*Fl. Trop. Afr.* iii. 306.—Abyssinia, Arabia.— $\frac{1}{4}$. November–May.

echinata *Nees.*—*DC.* v. 222.—S. Africa.— $\frac{1}{4}$.

petiolata *Hort.*—*Gard. Chron.* 1907, ii. 81. fig. 34; *Fl. Cap.* iii. 80, sub *Aster.*—S. Africa.— $\frac{1}{4}$.

FENDLERIA *Engelm. & Gray.*—*N. Pff.* iii. 2a. 71.—Saxifragaceæ—Hydrangeoideæ—Philadelphææ.

rupicola *Engelm. & Gray.*—*B. M.* t. 7924; *Gard. Chron.* 1904, ii. 410.—Texas.— $\frac{1}{2}$. April.

‡**FERDINANDA** *Lag.*—*N. Pff.* iv. 5. 238 & *Nachtr.* i. 326.—Compositæ—Helianthæ—Verbesininæ.

eminens *Lag.*—*DC.* v. 553.—Mexico.— $\frac{1}{2}$. March–June.

- FERRARIA** *L.*—*N. Pff.* ii. 5. 148. — Iridaceæ—Iridoideæ—Tigridiæ—Tigridinæ.
undulata *L.*—*Bak. Irid.* 73; *B. M.* t. 144; *Red. Lil.* t. 28. S. Africa.— $\frac{1}{4}$. March–April.
- †**FERULA** *L.*—*N. Pff.* iii. 8. 228. — Umbelliferæ—Apioideæ—Peucedaneæ—Ferulinæ.
communis *L.*—*DC.* iv. 172; *Fl. d'It.* n. 2325.—Mediterranean region, Abyssinia.— $\frac{1}{4}$. April–June.
Ferulago *L.*—*DC.* iv. 171.—Mediterranean region, Caucasus.— $\frac{1}{4}$.
glauca *L.*—*DC.* iv. 172.—S. Europe.— $\frac{1}{4}$. April.
 „ var. *candelabrum* *Heldr. & Sart.*—*Hal. Fl. Gr.* i. 642.—Greece.— $\frac{1}{4}$.
orientalis *L.*—*DC.* iv. 173.—Asia Minor.— $\frac{1}{4}$.
Sumbul *Hook. f.* in *B. M.* t. 6196.—Turkestan.— $\frac{1}{4}$.
thyrsiflora *Sibth. & Sm.*—*DC.* iv. 171.—Crete.— $\frac{1}{4}$.
tingitana *L.*—*DC.* iv. 173; *Nich. Dict.* fig. 10; *B. M.* t. 7267.—Morocco.— $\frac{1}{4}$.
- FESTUCA** *L.*—*N. Pff.* ii. 2. 74.—Gramineæ—Festucaceæ.
altissima *Boiss.*—*W. & L. Fl. Hisp.* i. 96.—*Fl. d'It.* n. 321. S. Europe, Asia Minor.— $\frac{1}{4}$. June.
arundinacea *Vill.*—*Kunth, En.* i. 404; *Fl. d'It.* n. 313 γ .—Europe.— $\frac{1}{4}$. April–June.
elegans *Boiss.*—*W. & L. Fl. Hisp.* i. 95.—Spain.— $\frac{1}{4}$.
gigantea *Vill.*—*Kunth, En.* i. 407; *Fl. d'It.* n. 312.—Europe, N. Asia, Africa.— $\frac{1}{4}$. May–June.
ovina *L.* var. *glauca* *Hort.*—*Nich. Dict. Suppl.* 369; *Fl. d'It.* n. 310 β .—S. Europe.— $\frac{1}{4}$. April–May.
spectabilis *Jan.*—*Gr. & G. Fl. Fr.* i. 579; *Fl. d'It.* n. 319.—S. Europe, Persia.— $\frac{1}{4}$. May–June.
- †**FICUS** *L.*—*N. Pff.* iii. 1. 89.—Moraceæ—Artocarpoideæ—Ficoideæ.
bengalensis *L.*—*Fl. Brit. Ind.* v. 499; *Wight, Ic.* t. 1989.—India.— $\frac{1}{2}$.
Benjamina *L.*—*Fl. Brit. Ind.* v. 508; *Wight, Ic.* t. 658.—Malay Peninsula.— $\frac{1}{2}$.
Carica *L.*—*N. Pff.* iii. 1. 92; *Fl. d'It.* n. 917.—Mediterranean region.— $\frac{1}{2}$. Summer.
comosa *Lowe* in *B. M.* t. 3305.—India.— $\frac{1}{2}$.
Cunninghamii *Miq.*—*Fl. Austr.* vi. 165.—Queensland.— $\frac{1}{2}$.
damarensis *Engl.*—*Bot. Jahrb.* x. 1888, 5.—German S.-W. Africa.— $\frac{1}{2}$.

FICUS (*continued*).

diversifolia Blume.—*Fl. Brit. Ind.* v. 529.—Malaya.— $\frac{1}{2}$.

elastica Roxb.—*Fl. Brit. Ind.* v. 508; *Wight, Ic.* t. 663.—

India, Malayan Archipelago.— $\frac{1}{2}$.

glumosa Delile.—*Sauvaigo, Fl. Medit. Exot.* 172.—Abys-
sinia.— $\frac{1}{2}$.

Henneana Miq.—*Fl. Austr.* vi. 165.—N. Australia, Queens-
land.— $\frac{1}{2}$.

Hookeri Miq.—*Fl. Brit. Ind.* v. 505.—India.— $\frac{1}{2}$.

imperialis Hort. = *Roxburghii*.

lævigata Vahl.—*Fl. W. Ind.* 151.—Jamaica, Cuba.— $\frac{1}{2}$.

macrophylla Desf.—*Fl. Austr.* vi. 170.—Australia.— $\frac{1}{2}$.

Porteana Egl.—*Nich. Dict. Suppl.* 369.—Mexico.— $\frac{1}{2}$.

radicans Roxb. = *rostrata*.

religiosa L.—*Fl. Brit. Ind.* v. 513; *Wight, Ic.* t. 1967.—

India, Ceylon.— $\frac{1}{2}$.

repens Hort. = *stipulata*.

rostrata Lam.—*Fl. Brit. Ind.* v. 520.—*F. radicans* Roxb.

Wight, Ic. t. 671.—India, Malaya.— $\frac{1}{2}$.

Roxburghii Wall.—*Fl. Brit. Ind.* v. 534.—*F. macrophylla*

Roxb. *Wight, Ic.* t. 673.—India.— $\frac{1}{2}$.

rubiginosa Desf.—*Fl. Austr.* vi. 168; *B. M.* t. 2939.—Aus-
tralia.— $\frac{1}{2}$.

scabrifolia Rich.—*Index Kewensis*.—Australia.— $\frac{1}{2}$.

stipulata Thunb.—*B. M.* t. 6657; *Sauvaigo, Fl. Medit. Exot.*

171.—*F. repens* Hort., *F. pumila* L.—China, Japan.— $\frac{1}{2}$.

„ var. **minima** Hort.— $\frac{1}{2}$.

FIRMIANA Marsigli.—*N. Pff.* iii. 6. 95.—Sterculiaceæ—Ster-
culiæ.

platanifolia R. Br.—*DC.* i. 483.—*Sterculia platanifolia*

L. fil.—Japan.— $\frac{1}{2}$. May.

FLEMINGIA Roxb.—*N. Pff.* iii. 3. 375.—Leguminosæ—Papi-
lionatæ—Phaseoleæ—Cajaninæ.

congesta Roxb.—*DC.* ii. 351; *Wight, Ic.* t. 390; *Fl. Brit.*

Ind. ii. 228.—Tropical Asia.— $\frac{1}{2}$.

FLÜGGEA Willd.—*N. Pff.* iii. 5. 18.—Euphorbiaceæ—Phyllan-
thoideæ—Phyllanthæ.

microcarpa Bl.—*Fl. Brit. Ind.* v. 328.—India, China,

Australia, Africa.— $\frac{1}{2}$.

FONTANESIA *Labill.*—*N. Pff.* iv. 2. 5.—Oleaceæ—Oleoideæ—Fraxineæ.

phillyræoides *Labill.*—*DC.* viii. 281; *Fl. d'It.* n. 2730.—Syria, Asia Minor, Sicily.—½.

FORSYTHIA *Vahl.*—*N. Pff.* iv. 2. 7.—Oleaceæ—Oleoideæ—Syringææ.

suspensa *Vahl.*—*DC.* viii. 281; *B. M.* t. 4995.—Japan, China.—½. March–April.

viridissima *Lindl.*—*B. M.* t. 4587.—China.—½. March.

Fourcroya Spreng. = *Furcraea*.

FRAGARIA *L.*—*N. Pff.* iii. 3. 33.—Rosaceæ—Rosoideæ—Potentilleæ—Potentillinæ.

indica *Andr.*—*DC.* ii. 571; *Fl. Brit. Ind.* ii. 343; *Wight, Ic.* t. 989; *Fl. d'It.* n. 1799.—Afghanistan, India, Malaya, Corea, Japan, Formosa, &c.—¼. May–October.

Franciscea Pohl. = *Brunfelsia*.

FRANCOA *Cav.*—*N. Pff.* iii. 2a. 68.—Saxifragaceæ—Francoideæ.

appendiculata *Cav.*—*B. M.* t. 3178.—Chili.—¼. June–July.
rupestris Poepp. = *sonchifolia*.

sonchifolia *Cav.*—*B. M.* t. 3309.—Chili.—¼. June–July.

FRANKENIA *L.*—*N. Pff.* iii. 6. 286.—Frankeniaceæ.

hispida *DC.* i. 349; *Fl. d'It.* n. 1239 β.—Mediterranean region.—¼. April–June.

† **FRAXINUS** *L.*—*N. Pff.* iv. 2. 5.—Oleaceæ—Oleoideæ—Fraxineæ.

Ornus *L.*—*DC.* viii. 274; *Fl. d'It.* n. 2731.—S. Europe.—½. April–May.

xanthoxyloides *Wall.*—*DC.* viii. 275; *Fl. Brit. Ind.* iii. 606.—India.—½.

FREESIA *Klatt.*—*N. Pff.* ii. 5. 157.—Iridaceæ—Ixioideæ—Watsonieæ.

refracta *Klatt.*—*Bak. Irid.* 167; *Fl. Cap.* vi. 98.—S. Africa.—¼. March–April.

„ **var. alba** *Bak. l.c.*—¼.

„ **var. colorata** *Hort.*—Garden origin.—¼.

„ **var. odorata** *Bak. l.c.*; *Lodd. B. C.* t. 1820.—¼.

FREMONTIA *Torr.*—*N. Pff.* iii. 6. 75.—Sterculiaceæ—Fremontieæ.

californica *Torr.*—*B. M.* t. 5591.—California.—½.

Frenela Mirb. = *Callitris*.

FREYLINIA *Pangelli*.—*N. Pff.* iv. 3b. 64.—Scrophulariaceæ—Antirrhinoideæ—Cheloneæ.

oppositifolia *Spin.*—*Fl. Cap.* iv. 2. 214.—*F. cestroides* Colla, *DC.* x. 333.—S. Africa.—½. November–April.

FRITILLARIA *L.*—*N. Pff.* ii. 5. 62.—Liliaceæ—Lilioideæ—Tulipeæ.

libanotica *Bak.* in *Journ. Linn. Soc.* xiv. 1874, 270.—Lebanon.—¼. April.

oranensis *Pomel.*—*Revue Hort.* 1881, 80.—Algeria.—¼. April.

‡**FUCHSIA** *L.*—*N. Pff.* iii. 7. 219.—Onagraceæ—Fuchsieæ.

arborescens *Sims.*—*DC.* iii. 37; *B. M.* t. 2620.—Mexico.—½. November–March.

conica *Lindl.*—*Nich. Dict.* ii. 33.—Chili.—½. November–June.

corallina *Hort.*—*Nich. Dict.* ii. 31.—Garden origin.—½.

corymbiflora *Rz. & Pav.*—*DC.* iii. 39; *B. M.* t. 4000.—Peru.—½. May–June.

fulgens *Moç & Sessé.*—*DC.* iii. 39; *B. M.* t. 3801.—Mexico.—½. October–June.

globosa *Lindl.*—*B. M.* t. 3364.—Garden origin?—½. All the year.

integrifolia *Chambess.*—*B. M.* t. 3948.—Brazil.—½.

macrostemma *Rz. & Pav.*—*DC.* iii. 37.—Chili.—½. All the year.

microphylla *H. B. K.*—*DC.* iii. 36; *Schneider, Hdb. Laubh.* ii. 419.—Mexico.—½. Autumn.

procumbens *R. Cunn.*—*Hdb. Fl. N. Zeald.* 76; *B. M.* t. 6139.—New Zealand.—¼ ½. Spring–summer.

Riccartoni *Hort.* (a form of *F. globosa*).—Garden origin.—½.

serratifolia *Rz. & Pav.*—*DC.* iii. 39; *B. M.* t. 4174.—Peru.—½.

splendens *Zucc.*—*B. M.* t. 4082.—Mexico.—½. June–July.

triphylla × **corymbiflora**.—Garden origin.—½. Spring and autumn.

FUMANA *Spach.*—*N. Pff.* iii. 306.—Cistaceæ.

arabica *Spach.* var. **incanescens** *Hauskn.*—*R. V. C.* (iv. 193), 125.—Cyprus.—½. April–May.

***lævipes** *Spach.*—*R. V. C.* (iv. 193), 128; *B. M.* t. 1782; *Fl. d'It.* n. 1270; *Sweet, Cist.* t. 24.—Western Mediterranean region.—½. May–June.

FUMANA (*continued*).

**procumbens* Gren. & Godr.—*R. V. C.* (iv. 193), 125; *Fl. d'It.* n. 1267.—Central Europe.— $\frac{1}{2}$. May–July.

**thymifolia* Halacsy var. *glutinosa* Gross.—*R. V. C.* (iv. 193), 130; *Fl. d'It.* n. 1269.—Mediterranean region.— $\frac{1}{2}$.—May–July.

†**FURCRÆA** Vent.—*N. Pff.* ii. 5. 119.—Amaryllidaceæ–Agavoideæ.

altissima Tod.—*Cat. Pal. Bot. Gard.*—Tropical America.— $\frac{1}{4}$.

Bedinghausii C. Koch.—*Bak. Am.* 203; *B. M.* t. 7170.—Mexico.— $\frac{1}{2}$. April.

cubensis Haw.—*Bak. Am.* 199.—Tropical America.— $\frac{1}{4}$.

Delædevanti Hort.—Tropical America.— $\frac{1}{4}$.

Demouliniana Jacobi, 297.—Mexico.— $\frac{1}{4}$.

elegans Tod.—*Bak. Am.* 201.—Mexico.— $\frac{1}{4}$. October.

gigantea Vent.—*Bak. Am.* 199; *B. M.* t. 2250; *DC. Pl. Gr.* t. 126; *Wight, Ic.* t. 2025.—Tropical America.— $\frac{1}{4}$.

longæva Karw. & Zucc.—*Bak. Am.* 203; *B. M.* t. 5519.—Mexico.— $\frac{1}{2}$. April–May.

pubescens Tod.—*Bak. Am.* 201; *B. M.* t. 7250; Mexico.— $\frac{1}{4}$.

Selloa C. Koch.—*B. M.* t. 6148.—Mexico, Guatemala.— $\frac{1}{4}$.

undulata Jacobi.—*Bak. Am.* 201; *B. M.* t. 6160.—Mexico.— $\frac{1}{4}$.

GAILLARDIA Foug.—*N. Pff.* iv. 5. 263.—Compositæ–Heleniæ–Heleninæ.

aristata Pursh.—*DC.* v. 652; *B. M.* t. 2940; N. America.— $\frac{1}{4}$. Autumn.

pulchella Foug.—*DC.* v. 652; *B. M.* t. 1602, as *G. bicolor*.—N. America.— $\frac{1}{4}$. Autumn.

„ var. *Lorenziana* Hort.—*Nich. Dict.* 39.—Garden origin.— $\frac{1}{4}$.

„ var. *picta* Hort.—*Nich. Dict.* 39; *B. M.* t. 3368, as *G. bicolor Drummondii* Hook.— $\frac{1}{4}$.

***GALACTITES** Moench.—*N. Pff.* iv. 5. 324; *Nachtr.* i. 329.—Compositæ–Cynareæ–Carduinæ.

tomentosa Moench.—*DC.* vi. 616; *Ard. Fl. A. M.* 194; *Fl. d'It.* n. 3802.—Mediterranean region.— $\odot$. May–June.

GALEGA L.—*N. Pff.* iii. 3. 268.—Leguminosæ–Papilionatæ–Galegeæ–Tephrosiinæ.

orientalis Lem.—*DC.* ii. 248; *B. M.* t. 2192.—Caucasus.— $\frac{1}{4}$. August–September.

GALIUM *Tourn.* — *N. Pff.* iv. 4. 149. — Rubiaceæ-Coffeoidææ-Psychotriinæ-Galieæ.

***cinereum** *All.* — *DC.* iv. 595 ; *Fl. d'It.* n. 3270 — S. Europe. — 4. May-July.

***maritimum** *L.* — *DC.* iv. 602 ; *Fl. d'It.* n. 3264. — Europe, Orient. — 4. July-August.

GALPHIMIA *Cav.* — *N. Pff.* iii. 4. 69. — Malpighiaceæ-Planitorea-Galphimieæ-Galphimiinæ.

glauca *Cav.* — *DC.* i. 582. — Mexico. — 4. October.

GARDENIA *Ellis.* — *N. Pff.* iv. 4. 76. — Rubiaceæ-Cinchonoideæ-Gardeniina-Gardenieæ.

globosa *Hochst.* — *Fl. Cap.* iii. 5 ; *B. M.* t. 4791 ; *Harv. Thes.* 5. — Natal. — 4.

grandiflora *Lour.* *Fl. Coch.* 182 ; *DC.* iv. 380. — Cochin China. — 4.

jasminoides *Ellis.* — *G. florida* *L.* *DC.* iv. 379 ; *B. M.* t. 2627, 3349. — China, Japan. — 4. May-October.

Thunbergia *L. fil.* — *DC.* iv. 382 ; *Fl. Cap.* iii. 6 ; *B. M.* t. 1004. — S. Africa. — 4. May-June.

‡ **GARRYA** *Dougl.* — *N. Pff.* iii. 8. 256. — Garryaceæ.

elliptica *Lindl.* — *DC.* xvi. 1. 487 ; *Gard. Chron.* 1904, i. 42-43 ; *Schneider, Hdb. Laubh.* ii. 459. — Mexico. — 4. April.

Fadyena *Hook.* — *DC.* xvi. 1. 488 ; *Schneider, Hdb. Laubh.* ii. 460. — Jamaica. — 4. October-December.

macrophylla *Benth.* — *DC.* xvi. 1. 487 ; *Nich. Dict.* ii. 54. — Mexico. — 4. March-April.

Thuretii *Hort. Thuret.* — Garden origin. — 4.

GARULEUM *Cass.* — *N. Pff.* iv. 5. 306. — Compositæ-Tubulifloræ-Calenduleæ.

viscosum *Cass.* — *DC.* v. 309 ; *Fl. Cap.* iii. 92, as *G. pinnatifidum.* — S. Africa. — 4. May-July.

‡ **GASTERIA** *Duval.* — *N. Pff.* ii. 5. 46. — Liliaceæ-Asphodeloideæ-Aloineæ.

acinacifolia *Haw.* — *Fl. Cap.* vi. 300 ; *Berger, Al. (R. V. C.* iv. 38. 3²) 155 ; *B. M.* t. 2369. — S. Africa. — 4. June.

angulata *Haw.* — *Fl. Cap.* vi. 291 ; *Berger, Al.* 134. — S. Africa. — 4. June-July.

„ var. **truncata** *Willd.* — *Berger, Al.* 134. — S. Africa. — 4. Summer.

GASTERIA (*continued*).

- angustifolia** Haw.—*Fl. Cap.* vi. 291; *Berger, Al.* 133.—
S. Africa.— $\mathcal{U}$. May–June.
- apicroides** Bak.—*Fl. Cap.* vi. 302; *Berger, Al.* 158.—
S. Africa.— $\mathcal{U}$. May.
- brevifolia** Haw.—*Fl. Cap.* vi. 290; *Berger, Al.* 132.—
S. Africa.— $\mathcal{U}$. Spring–summer.
- candicans** Haw.—*Fl. Cap.* vi. 300; *Berger, Al.* 157.—
S. Africa.— $\mathcal{U}$. June.
- carinata** Haw.—*Fl. Cap.* vi. 296; *Berger, Al.* 149.—S. Africa.
— $\mathcal{U}$. Summer.
- „ var. **falcata** *Berger, Al.* 150.— $\mathcal{U}$.
- „ var. **latifolia** *Berger, Al.* 150.— $\mathcal{U}$.
- cheilophylla** Bak.—*Fl. Cap.* vi. 293; *Berger, Al.* 145.—
S. Africa?—Garden origin?— $\mathcal{U}$. November–June.
- colubrina** N. E. Br.—*Fl. Cap.* vi. 294; *Berger, Al.* 142.—
S. Africa.— $\mathcal{U}$.
- conspurcata** Haw.—*Fl. Cap.* vi. 291; *Berger, Al.* 134.—
S. Africa.— $\mathcal{U}$.
- Croucheri** Bak.—*Fl. Cap.* vi. 301; *Berger, Al.* 157; *B. M.*
t. 5812.—S. Africa.— $\mathcal{U}$.
- decipiens** Haw.—*Fl. Cap.* vi. 297; *Berger, Al.* 147—S. Africa.
— $\mathcal{U}$.
- excavata** Haw.—*Fl. Cap.* vi. 292; *Berger, Al.* 146.—S. Africa.
— $\mathcal{U}$.
- fasciata** Haw.—*Fl. Cap.* vi. 289; *Berger, Al.* 139.—S. Africa.
— $\mathcal{U}$. May–June.
- glabra** Haw.—*Fl. Cap.* vi. 299; *Berger, Al.* 151.—S. Africa.
— $\mathcal{U}$. Summer.
- Holtzei** *Berger, Al.* 131; Garden origin.— $\mathcal{U}$. Spring.
- lætepuncta** Haw.—*Fl. Cap.* vi. 298; *Berger, Al.* 151.—
S. Africa.— $\mathcal{U}$.
- Lauchei** *Berger, Al.* 131.—Garden origin.— $\mathcal{U}$. Feb.–March.
- lingua** *Berger, Al.* 136.—S. Africa.— $\mathcal{U}$.
- maculata** Haw.—*Fl. Cap.* vi. 295; *Berger, Al.* 144.—S. Africa.
— $\mathcal{U}$. May–July.
- margaritifera** *Berger, Al.* 131.—Garden origin.— $\mathcal{U}$. Spring.
- metallica** *Berger, Al.* 152.—Garden origin.— $\mathcal{U}$. Spring.
- nigricans** Haw.—*Fl. Cap.* vi. 289; *Berger, Al.* 137.—S. Africa.
— $\mathcal{U}$. Summer.
- nitida** Haw.—*Fl. Cap.* vi. 299; *Berger, Al.* 152.—S. Africa.
— $\mathcal{U}$. Summer.

GASTERIA (*continued*).

obtusa Haw.—*Fl. Cap.* vi. 298; *Berger, Al.* 153.—S. Africa.
— $\mathcal{U}$. Summer.

obtusifolia Haw.—*Fl. Cap.* vi. 290; *Berger, Al.* 135.—
S. Africa.— $\mathcal{U}$.

planifolia Bak.—*Fl. Cap.* vi. 292; *Berger, Al.* 141; *Ref. Bot.*
t. 162.—S. Africa.— $\mathcal{U}$. June–July.

pulchra Haw.—*Fl. Cap.* vi. 299; *Berger, Al.* 145; *Jacq.*
H. Sch. t. 19; *DC. Pl. Gr.* t. 91.—S. Africa.— $\mathcal{U}$. Spring
—summer.

rufescens *Berger, Al.* 138.—Garden origin.— $\mathcal{U}$. Spring.

subverrucosa Haw.—*Fl. Cap.* vi. 288; *Berger, Al.* 132.—
S. Africa.— $\mathcal{U}$.

sulcata Haw.—*Fl. Cap.* vi. 291; *Berger, Al.* 135.—S. Africa.
— $\mathcal{U}$. Spring.

trigona Haw.—*Fl. Cap.* vi. 298; *Berger, Al.* 153.—S. Africa.
— $\mathcal{U}$.

verrucosa Haw.—*Fl. Cap.* vi. 287; *Berger, Al.* 129; *B. M.*
t. 837.—S. Africa.— $\mathcal{U}$. Spring.

‡ **GAZANIA** *Gaertn.*—*N. Pff.* iv. 5. 309.—Compositæ—Arctotideæ
—Gorterinæ.

Bergeriana *Dinter.*—German S. W. Africa.— $\mathcal{U}$. June–
July.

bracteata *N. E. Br.* in *Gard. Chron.* 1894, i. 620.—S. Africa.
— $\mathcal{U}$. April.

longiscapa *DC.* vi. 513; *Fl. Cap.* iii. 474.—S. Africa.— $\mathcal{U}$.
April.

Pavonia *R. Br.*—*DC.* vi. 513; *Fl. Cap.* iii. 476.—S. Africa.
— $\mathcal{U}$. April–May.

rigens *Moench.*—*DC.* vi. 510; *Fl. Cap.* iii. 473; *B. M.* t. 90.—
S. Africa.— $\mathcal{U}$. April–May.

GEIJERA *Schott.*—*N. Pff.* iii. 4. 119.—Rutaceæ—Rutoideæ—
Zanthoxyleæ—Evodiinæ.

parviflora *Lindl.*—*Fl. Austr.* i. 364.—E. Australia.— $\mathcal{h}$.

GEITONOPLESIUM *A. Cunn.*—*N. Pff.* ii. 5. 86.—Liliaceæ—
Luzuriagoideæ.

cymosum *A. Cunn.*—*Kunth, En.* v. 112; *Fl. Austr.* vii. 19;
B. M. t. 3131; *Red. Lil.* t. 393.—E. Australia, Norfolk
Island.— $\mathcal{h}$ §. May.

GELSEMIUM *Juss.*—*N. Pff.* iv. 2. 28.—Loganiaceæ—Loganioidæ—Gelsemieæ.

sempervirens *Ait.*—*DC.* ix. 24; *B. M.* t. 7851.—S. United States.—½ §. May–June.

GENISTA *L.*—*N. Pff.* iii. 3. 233.—Leguminosæ—Papilionatæ—Genisteæ—Spartiinæ.

æthnensis *DC.* ii. 150; *Moris, Fl. Sard.* iv. t. 28; *Fl. d'It.* n. 1901; *B. M.* t. 2674.—Sicily, Sardinia.—½. May–June.

canariensis *L.*—*DC.* ii. 145; *Lodd. B. C.* t. 1201.—Canaries.—½. March–April.

candicans *L.* = *Cytisus monspessulanus*.

corsica *DC.* ii. 148; *Moris, Fl. Sard.* iv. t. 31; *Fl. d'It.* n. 1895.—Corsica, Sardinia.—½. February–May.

depressa *Bieb.*—*DC.* ii. 150.—Asia Minor. ½.

ephedroides *DC.* ii. 147; *Fl. d'It.* n. 1900.—Corsica, Sardinia, Sicily.—½. April–June.

ferox *Poir.*—*DC.* ii. 147.—N. Africa.—½. February–March.

florida *L.*—*DC.* ii. 151; *Willk. & Lge. Fl. Hisp.* iii. 436.—Spain, Portugal.—½. May–June.

germanica *L.*—*DC.* ii. 149; *Bicknell, Pl. Riv.* t. 12; *Fl. d'It.* n. 1892.—Europe.—½. April–June.

hispanica *L.*—*DC.* ii. 148; *Bicknell, Pl. Riv.* t. 12; *Fl. d'It.* n. 1890.—Liguria, S. France, Spain.—½.

linifolia *L.*—*DC.* ii. 146; *B. M.* t. 442.—Mediterranean region.—½. April–May.

maderensis *Lowe, Man. Fl. Mad.* i. 123.—Madeira.—½. March.

monosperma *Lam.*—*DC.* ii. 150; *B. M.* t. 683; *Fl. d'It.* n. 1902.—Sicily, Portugal, Spain, N. Africa.—½. December–April.

radiata *Scop.*—*DC.* ii. 146; *Fl. d'It.* n. 1897.—S. Europe.—½. May–June.

scoparius *Lam.* = *Cytisus scoparius*.

Scorpius *DC.* ii. 148; *Fl. d'It.* n. 1894.—S. Europe, N. Africa.—½. April.

Spachiana *Webb.*—*B. M.* t. 4195.—Canaries.—½.

sphærocarpa *Lam.*—*DC.* ii. 150; *Willk. & Lge. Fl. Hisp.* iii. 419.—Morocco, Portugal, Spain.—½.

tinctoria *L.*—*DC.* ii. 151; *Fl. d'It.* n. 1886; *Schneider, Hdb. Laubh.* ii. 33.—Europe, N. Asia.—½. April–May.

tricuspidata *Desf.*—*DC.* ii. 148.—Algeria.—½. June.

GENISTA (*continued*).

virgata DC. ii. 149; *Lowe, Man. Fl. Mad.* i. 126; *B. M. t.* 2265.—Madeira.— $\frac{1}{2}$. March-May.

GERANIUM *L.*—*N. Pff.* iii. 4. 8.—Geraniaceæ—Geraniæ.

anemonifolium *L'Hér.*—DC. i. 640; *Lowe, Man. Fl. Mad.* 84; *B. M. t.* 206; *Sweet, Ger. t.* 244; *Bossche, Ic. Sel. t.* 119.
—Madeira, Canaries.— $\oplus$. Spring.

atlanticum *Boiss.*—*B. M. t.* 6452.—Algeria.— $\frac{1}{4}$. April.

cinereum *Cav.*—DC. i. 640; *Fl. d'It. n.* 2483.—Pyrenees, Dalmatia, Asia Minor.— $\frac{1}{4}$. June.

Endressi *J. Gay.*—*Gren. & Godr. Fl. Fr. i.* 301.—Pyrenees.
— $\frac{1}{4}$. June.

nepalense *Sweet, Ger. t.* 12; *Fl. Brit. Ind. i.* 430.—India, China.— $\frac{1}{4}$.

† **GERBERA** *Gronov.*—*N. Pff.* iv. 5. 345.—Compositæ—Mutisiæ—Mutisinæ.

abyssinica *Schultz Bip.*—*Fl. Trop. Afr. iii.* 445.—Abyssinia.
— $\frac{1}{4}$.

Jamesonii *Bolus.*—*B. M. t.* 7078.—Transvaal.— $\frac{1}{4}$. Throughout the year.

GESNOUINIA *Gaud.*—*N. Pff.* iii. 1. 116.—Urticaceæ—Parietariæ.
arborea *Gaud.*—DC. xvi. i. 235. 50.—Canaries.— $\frac{1}{2}$. April.**GEUM** *L.*—*N. Pff.* iii. 3. 36.—Rosaceæ—Rosoideæ—Potentillæ—Dryadinæ.

hispidum *Fries.*—DC. ii. 554.—Spain.— $\frac{1}{4}$. June.

japonicum *Thunb.*—DC. ii. 554.—Japan.— $\frac{1}{4}$. June.

molle *Vis. & Panc.*—*Fl. d'It. n.* 1764.—Mediterranean region.
— $\frac{1}{4}$. June.

pyrenaicum *Mill.*—DC. ii. 552; *Fl. d'It. n.* 1795.—S. W. Europe.— $\frac{1}{4}$.

reptans *L.*—DC. ii. 553; *Fl. d'It. n.* 1767.—S. Europe.— $\frac{1}{4}$.

silvaticum *Pourr.*—*Willk. & Lge. Fl. Hisp. iii.* 238; *Fl. d'It. n.* 1765 β .—Portugal, Spain, Pyrenees.— $\frac{1}{4}$. June.

GINKGO *L.*—*N. Pff.* ii. 1. 19.—Ginkgoaceæ.

biloba *L.*—DC. xvi. 2. 507; *Veitch, Man. Conif.* 313.—Northern China.— $\frac{1}{2}$.

† **GIRALDIA** *Baroni.*—Compositæ—Cynareæ—Carlininæ.

Stapfii *Baroni.*—*Nuov. Giorn. Bot. It.* 1897, 431, t. 12.—China.— $\frac{1}{4}$. May-June.

GLADIOLUS *L.* — *N. Pff.* ii. 5. 156. — Iridaceæ—Ixioidæ—Gladiolæ.

blandus *Ait.*—*Bak. Irid.* 217; *Fl. Cap.* vi. 154; *B. M. t.* 625.—S. Africa.— γ .

Colvillei *Sweet.*—*Bak. Irid.* 228.—Garden origin.— γ .
May–June.

gandavensis *Hort.*—*Bak. Irid.* 228.—Garden origin.— γ .
June.

illyricus *Koch.*—*Bak. Irid.* 200.—Eastern Mediterranean region, Caucasus.— γ . May.

Macowanii *Bak. Irid.* 219; *Fl. Cap.* vi. 155.—S. E. Africa.— γ .
natalensis *Reinw.* = *psittacinus*.

primulinus *Bak.*—*Gard. Chron.* 1890, ii. 122, & 1904, ii. 191, f. 74.—Rhodesia, near Victoria Falls.— γ .

psittacinus *Hook.*—*Bak. Irid.* 200; *Fl. Cap.* vi. 158; *Lodd. t.* 1756.—S. Africa.— γ .

***segetum** *Ker.*—*Bak. Irid.* 200; *B. M. t.* 719; *Fl. d'It.* n. 795.—Mediterranean region.— γ . May.

tenuis *Bak.*—*Irid.* 208; *Fl. Cap.* vi. 145.—Cape.— γ . May.

tristis *L.*—*Bak. Irid.* 203; *Fl. Cap.* vi. 139; *Red. Lil. t.* 35; *B. M. t.* 1098.—S. Africa.— γ .

GLAUCIUM *Juss.*—*N. Pff.* iii. 2. 141.—Papaveraceæ—Papaveroidæ—Papavereæ.

corniculatum *Curt.*—*DC.* i. 122; *Fedde, Papav. (R. V. C.),* 223; *Fl. d'It.* n. 1531.—France, England.— $\odot$. April–May.

flavum *Crantz.*—*DC.* i. 122; *Fl. d'It.* n. 1530; *Fedde, Papav. (R. V. C.),* 232.—Mediterranean coast.— $\oplus$ γ .
May–autumn.

„ var. **fulvum** *Fedde, l. c.*

squamigerum *Kar. & Kir.*—*Nich. Dict. Suppl.* 394; *Fedde, Papav. (R. V. C.),* 229.—Central Asia.— $\odot$. May.

† **GLEDITSCHIA** *L.*—*N. Pff.* iii. 3. 168.—Leguminosæ—Cæsalpinioidæ—Eucæsalpinieæ.

macracantha *Desf.*—*DC.* ii. 479; *Schneider, Hdb. Laubh.* ii. 10.—China.— γ . May–June.

triacanthos *L.*—*DC.* ii. 479; *Fl. d'It.* n. 1858.—Virginia, Carolina.— γ .

GLOBULARIA *L.*—*N. Pff.* iv. 3 b. 273.—Globulariaceæ.

***Alypum** *L.*—*DC.* xii. 613; *Ard. Fl. Alp. Mar.* 314; *Fl. d'It.* n. 3232.—Mediterranean region.— γ . October–March.

GLOBULARIA (*continued*).

cordifolia L.—DC. xii. 612; *Bicknell, Pl. Riv.* t. 48; *Fl. d'It.* n. 3231.—S. Europe.— $\frac{1}{2}$. May–August.

nudicaulis L.—DC. xii. 613; *Fl. d'It.* n. 3230.—Europe.— $\frac{1}{2}$. April–August.

salicina Lam. = *Lytanthus salicinus* Wettst.

trichosantha Fisch. & Mey.—DC. xii. 611.—Greece.— $\frac{1}{2}$. April–August.

vulgaris L.—DC. xii. 611; *Lodd. B. C.* t. 1888; *Bicknell, Pl. Riv.* t. 48; *Fl. d'It.* n. 3229.—Europe.— $\frac{1}{2}$. March–June.

Willkommii Nym.—Willk. & Lge. *Fl. Hisp.* ii. 383.—S. Europe.— $\frac{1}{2}$. April.

GLYCYRRHIZA L.—N. Pff. iii. 3. 307.—Leguminosæ–Papilionatæ–Galegeæ–Astragalinae.

echinata L.—DC. ii. 248; *Fl. d'It.* n. 2086; *B. M.* t. 2154.—Orient, E. Europe, S. Italy.— $\frac{1}{2}$. June.

glabra L.—DC. ii. 247; *Fl. d'It.* n. 2085; S. Europe, Asia, N. Africa.— $\frac{1}{2}$. June–July.

GNAPHALIUM L.—N. Pff. iv. 5. 187.—Compositæ–Inuleæ–Gnaphalinae.

japonicum Thunb.—DC. vi. 237; *Nich. Dict. Suppl.* 397.—Japan.— $\frac{1}{2}$. June–July.

lanatum Forst. = *japonicum*.

sandwicensium Gaud.—DC. vi. 236.—Sandwich Islands.— $\frac{1}{2}$.

‡ **GNIDIA** L.—N. Pff. iii. 6a. 226.—Thymelæaceæ–Thymelæoideæ–Gnidieæ.

carinata Thunb.—DC. xiv. 588; *B. M.* t. 1463.—S. Africa.— $\frac{1}{2}$. April–May.

denudata Lindl.—DC. xiv. 585.—*G. tomentosa* Hook. *B. M.* t. 2761.—S. Africa.— $\frac{1}{2}$. May.

Goldfussia Nees = *Strobilanthes*.

GOMPHOCARPUS R. Br.—N. Pff. iv. 2. 235.—Asclepiadaceæ–Cynanchoideæ–Asclepiadeæ–Asclepiadinæ.

fruticosus R. Br.—DC. viii. 557; *B. M.* t. 1628.—Arabia.— $\frac{1}{2}$. July–August.

physocarpus E. Mey.—DC. viii. 558; *Wood & Ev. Nat. Pl.* t. 217.—S. Africa.— $\frac{1}{2}$. July–August.

- GONOLOBUS** *Michx.*—*N. Pff.* iv. 2. 301.—Asclepiadaceæ—Cynanchoideæ—Gonolobeæ.
obliquus *R. Br.*—*N. Pff. l. c.* 302.—*B. M. t.* 1273.—N. America.— $\mathcal{U}$. Summer.
- GONOSPERMUM** *Less.*—*N. Pff.* iv. 5. 271.—Compositæ—Anthemideæ—Anthemidinæ.
fruticosum *Less.*—*DC.* vi. 84.—Canaries.— $\mathcal{h}$. April–May.
revolutum *Sch. Bip.*—*Webb & Berth. Phyt. Can.* ii. 292, t. 88. Canaries.— $\mathcal{h}$. April–May.
- † **GOODENIA** *Sm.*—*N. Pff.* iv. 5. 75.—Goodeniaceæ.
ovata *Sm.*—*Fl. Austr.* iv. 59; *Bossche, Ic. Sel.* t. 124.—Australia.— $\mathcal{h}$. April–May.
- GOODIA** *Salisb.*—*N. Pff.* iii. 3. 218.—Leguminosæ—Papilionatæ—Genisteæ—Bossiæinæ.
lotifolia *Salisb.*—*DC.* ii. 117; *Fl. Austr.* ii. 177; *B. M. t.* 958; *Lodd. B. C. t.* 696.—Australia.— $\mathcal{h}$. April–July.
- † **GOSSYPIUM** *L.*—*N. Pff.* iii. 6. 51.—Malvaceæ—Hibisceæ.
herbaceum *L.*—*DC.* i. 456; *Fl. d'It.* n. 2563.—India.— $\odot$. Summer–autumn.
- † **GOURLIEA** *Gill.*—*N. Pff.* iii. 3. 196.—Leguminosæ—Papilionatæ—Sophoreæ.
chilensis *Clos.*—*C. Gay, Fl. Chil.* ii. 218.—Chili.— $\mathcal{h}$.
- † **GRABOWSKIA** *Schlecht.*—*N. Pff.* iv. 3 b. 13.—Solanaceæ—Solaneæ—Lyciinae.
boerhaaviæfolia *W. Arn.*—*DC.* xiii. i. 19.—Peru.— $\mathcal{h}$. April–May.
- GRAPHEPHORUM** *Desv.*—*N. Pff.* ii. 2. 74.—Gramineæ—Festuceæ.
festucaceum *A. Gray.*—*Proc. Am. Ac.* v. 1862, 191.—Europe, North America.— $\mathcal{U}$ November–December.
- GREIGIA** *Regel.*—*N. Pff.* ii. 4. 45.—Bromeliaceæ—Bromeliæ.
sphacelata *Regel.*—*Bak. Brom.* 12.—Chili.— $\mathcal{h}$.
- † **GREVILLEA** *R. Br.*—*N. Pff.* iii. 1. 143.—Proteaceæ—Grevilloideæ—Grevilleæ.
acanthifolia *A. Cunn.*—*DC.* xiv. 377; *Fl. Austr.* v. 438; *B. M. t.* 2807; *Lodd. B. C. t.* 1153.—N. S. Wales.— $\mathcal{h}$. June.
alpina *Lindl.*—*DC.* xiv. 360; *Fl. Austr.* v. 441; *B. M. t.* 5007.—Australia.— $\mathcal{h}$. May.

GREVILLEA (*continued*).

aspleniifolia Knight.—*DC.* xiv. 376; *Fl. Austr.* v. 435; *B. M.* t. 7070.—N. S. Wales.— $\frac{1}{2}$. December–June.

Banksii R. Br.—*Fl. Austr.* v. 434; *B. M.* t. 5870; *Gard. Chron.* 1894, ii. 15.—Queensland.— $\frac{1}{2}$. Nearly always.

glabrata Meissn.—*DC.* xiv. 391; *Fl. Austr.* v. 486.—Australia.— $\frac{1}{2}$. April–June.

Hilliana F. M.—*Fl. Austr.* v. 463; *B. M.* t. 7524.—Queensland, N. S. Wales.— $\frac{1}{2}$. June–July.

juniperina R. Br.—*DC.* xiv. 363; *Fl. Austr.* v. 469.—Australia.— $\frac{1}{2}$.

longifolia R. Br. = *aspleniifolia*.

Preissii Meissn.—*DC.* xiv. 371; *Fl. Austr.* v. 431; *B. M.* t. 5837.—Australia.— $\frac{1}{2}$. Autumn–spring.

robusta A. Cunn.—*DC.* xiv. 381; *Fl. Austr.* v. 459; *B. M.* t. 3184.—Queensland, N. S. Wales.— $\frac{1}{2}$. June.

rosmarinifolia A. Cunn.—*DC.* xiv. 363; *Fl. Austr.* v. 445; *B. M.* t. 5971.—Australia.— $\frac{1}{2}$.

Thelemanniana Hueg.—*DC.* xiv. 372; *Fl. Austr.* v. 431.—Australia.— $\frac{1}{2}$. Autumn–spring.

vestita Meissn.—*Fl. Austr.* v. 488; *Bossche, Ic. Sel.* t. 34.—W. Australia.— $\frac{1}{2}$. April–May.

‡ **GREWIA** L.—*N. Pff.* iii. 6. 27.—Tiliaceæ–Grewiæ.

asiatica L.—*DC.* i. 511; *Fl. Brit. Ind.* i. 386.—India.— $\frac{1}{2}$.

caffra Meissn.—*Fl. Cap.* i. 225; *Wood & Ev. Nat. Pl.* t. 42.—S. Africa.— $\frac{1}{2}$. April–August.

flava *DC.* i. 509; *Fl. Cap.* i. 225.—S. Africa.— $\frac{1}{2}$.

occidentalis L.—*DC.* i. 511; *Fl. Cap.* i. 225; *B. M.* t. 423.—S. Africa.— $\frac{1}{2}$ §. April–August.

GREYIA Hook. & Harv.—*N. Pff.* iii. 5. 382.—Melianthaceæ–Greyiæ.

Sutherlandii Hook. & Harv.—*Fl. Cap.* ii. 309; *B. M.* t. 6040.—S. Africa.— $\frac{1}{2}$. March–April.

GRINDELIA W.—*N. Pff.* iv. 5. 148.—Compositæ–Astereæ–Solidagininae.

squarrosa Dun.—*DC.* v. 315; *B. M.* t. 1706 as *Donia sq.*—N. W. America.— $\frac{1}{4}$. Summer.

GRISELINIA Forst.—*N. Pff.* iii. 8. 269.—Cornaceæ.

littoralis Raoul.—*Hdb. Fl. N. Zeald.* 105; *Wangerin, Cornac. (R. V. C.)*, 96.—New Zealand.— $\frac{1}{2}$.

GUICHENOTIA Gay.—*N. Pff.* iii. 6. 91.—Sterculiaceæ—Lasio-
petaleæ.

ledifolia J. Gay.—*DC.* i. 489; *Fl. Austr.* i. 258.—W. Aus-
tralia.— $\frac{1}{2}$. April.

Gymnogramme javanica Bl. = *Coniogramme fraxinea*.

GYMNOSPORA W. & Arn.—*N. Pff.* iii. 5. 207.—Celastraceæ—
Celastroideæ—Eucelastreæ.

buxifolia Szysz.—*Fl. Cap.* i. 459; *B. M.* t. 2070, as *Celastrus*.
—S. Africa.— $\frac{1}{2}$. May–June.

cassinoides Masf.—*Ind. Kew.*—Canaries.— $\frac{1}{2}$.

montana Benth.—*Fl. Austr.* i. 400; *Fl. Brit. Ind.* i. 621;
Wight, Ic. t. 382.—India, Africa, Australia.— $\frac{1}{2}$.

serrata Hochst.—*N. Pff. l.c.*—*Fl. Trop. Afr.* i. 362, as
Celastrus.—Abyssinia.— $\frac{1}{2}$.

Gymnothrix Beauv. = *Pennisetum*.

Gynerium argenteum Nees = *Cortaderia argentea*.

GYPSOPHILA L.—*N. Pff.* iii. 1b. 75.—Caryophyllaceæ—Sile-
noideæ—Diantheæ.

cerastioides D. Don.—*Fl. Brit. Ind.* i. 217; *B. M.* t. 6699.
—Himalaya.— $\frac{1}{4}$.

paniculata L.—*DC.* i. 353.—Europe.— $\frac{1}{4}$. May–June.

Rokejeka Delile.—*DC.* i. 354.—Egypt, Orient.— $\frac{1}{4}$. May–
June.

Steveni Fisch.—*DC.* i. 353.—Caucasus.— $\frac{1}{4}$. May–June.

HÆMANTHUS L.—*N. Pff.* ii. 5. 104.—Amaryllidaceæ—Ama-
ryllidoideæ—Amaryllideæ—Hæmanthinæ.

albiflos Jacq. *H. Sch.* t. 31; *Bak. Hdb. Am.* 68; *Fl. Cap.*
vi. 235; *B. M.* t. 1239; *Red. Lil.* t. 398; *Lodd. B. C.* t.
602.—S. Africa.— $\frac{1}{4}$.

albiflos $\times$ *virens*.—Garden origin.— $\frac{1}{4}$.

coccineus L.—*Bak. Am.* 71; *Fl. Cap.* vi. 240; *B. M.* t. 1075;
Red. Lil. t. 139; *Lodd. B. C.* t. 240.—S. Africa.— $\frac{1}{4}$. Sep-
tember–October.

Katherinæ Bak. *Am.* 64; *Fl. Cap.* vi. 231; *B. M.* t. 6778.
—Natal, Transvaal.— $\frac{1}{4}$.

multiflorus Martyn.—*Bak. Am.* 63; *Fl. Trop. Afr.* vii. 388;
B. M. t. 961 and 1995; *Red. Lil.* t. 204; *Lodd. B. C.* t. 912.
—*H. Kalbreyeri* Bak.—Tropical Africa.— $\frac{1}{4}$.

† **HAKEA** *Schrad.*—*N. Pff.* iii. 1. 145.—*Proteaceæ*—*Grevilloideæ*—*Grevilleæ*.

acicularis *R. Br.*—*DC.* xiv. 400; *Fl. Austr.* v. 514.—N. S. Wales, Victoria, Tasmania.—½. April.

Baxteri *R. Br.*—*DC.* xiv. 409; *Fl. Austr.* v. 501.—W. Australia.—½. June–July.

carinata *F. M.*—*DC.* xiv. 418; *Fl. Austr.* v. 524.—S. Australia.—½. April.

ceratophylla *R. Br.*—*DC.* xiv. 410; *Fl. Austr.* v. 501.—W. Australia.—½. April–May.

cucullata *R. Br.*—*DC.* xiv. 408; *Fl. Austr.* v. 521; *B. M.* t. 4528, as *H. Victoriæ*.—W. Australia.—½. January–April.

dactyloides *Cav.*—*DC.* xiv. 415; *Fl. Austr.* v. 524; *B. M.* t. 3760.—N. S. Wales.—½. May–June.

elliptica *R. Br.*—*DC.* xiv. 412; *Fl. Austr.* v. 523.—W. Australia.—½.

eucalyptoides *Meissn.* = *laurina*.

florida *R. Br.*—*DC.* xiv. 405; *Fl. Austr.* v. 527.—W. Australia.—½. April.

gibbosa *Cav.*—*DC.* xiv. 401; *Fl. Austr.* v. 513.—N. S. Wales.—½.

glabella *R. Br.*—*DC.* xiv. 407; *Fl. Austr.* v. 509.—W. Australia.—½. April–May.

lasiantha *R. Br.*—*DC.* xiv. 411; *Fl. Austr.* v. 502.—W. Australia.—½.

laurina *R. Br.*—*DC.* xiv. 411 and 413, as *H. eucalyptoides*; *Fl. Austr.* v. 518; *B. M.* t. 7127.—W. Australia.—½. November–February.

leucoptera *R. Br.*—*DC.* xiv. 396; *Fl. Austr.* v. 515.—Queensland, N. S. Wales, Victoria, S. Australia.—½.

nodosa *R. Br.*—*DC.* xiv. 397; *Fl. Austr.* v. 514.—Victoria.—½. October.

obliqua *R. Br.*—*DC.* xiv. 395; *Fl. Austr.* v. 500; *Lodd. B. C.* t. 1682.—W. Australia.—½.

oleifolia *R. Br.*—*DC.* xiv. 416; *Fl. Austr.* v. 527.—W. Australia.—½. April.

propinqua *A. Cunn.*—*DC.* xiv. 397; *Fl. Austr.* v. 513.—N. S. Wales.—½.

pugioniformis *Cav.*—*DC.* xiv. 398; *Fl. Austr.* v. 506; *Lodd. B. C.* t. 353.—N. S. Wales, Victoria, Tasmania.—½. December.

HAKEA (*continued*).

- pycnoneura** Meissn.—*DC.* xiv. 414; *Fl. Austr.* v. 525.—
W. Australia.— $\frac{1}{2}$.
rostrata *F. M.*—*DC.* xiv. 396; *Fl. Austr.* v. 508.—Victoria,
S. Australia.— $\frac{1}{2}$.
saligna Knight & Salisb.—*DC.* xiv. 416; *Fl. Austr.* v. 512;
Smith, Fl. Austr. t. 27.—Queensland, N. S. Wales.— $\frac{1}{2}$.
April.
suaveolens *R. Br.*—*DC.* xiv. 403; *Fl. Austr.* v. 531; *Bossche,*
 Ic. Sel. t. 1.—W. Australia.— $\frac{1}{2}$. January.
ulicina *R. Br.*—*DC.* xiv. 415; *Fl. Austr.* v. 524.—N. S. Wales,
Victoria, Tasmania, S. Australia.— $\frac{1}{2}$.
undulata *R. Br.*—*DC.* xiv. 407; *Fl. Austr.* v. 520.—
W. Australia.— $\frac{1}{2}$.
varia *R. Br.*—*DC.* xiv. 405; *Fl. Austr.* v. 527.—W. Australia.
— $\frac{1}{2}$. November.
Victoriæ Drumm. = *cucullata*.

HALIMIUM Willk.—*R. V. C.* iv. 193. 33.—Cistaceæ.

- alyssoides** Gross.—*R. V. C.* iv. 193. 37; *Sweet, Cist.* t. 96.—
Western Mediterranean region.— $\frac{1}{2}$.
halimifolium Willk.—*R. V. C.* iv. 193. 39; *Sweet, Cist.* t. 4;
Fl. d'It. n. 1284.—Western Mediterranean region.— $\frac{1}{2}$. June.
lasianthum Gross.—*R. V. C.* iv. 193. 38; *Sweet, Cist.* t. 50.
—Western Mediterranean region.— $\frac{1}{2}$.
occidentale Gross.—*R. V. C.* iv. 193. 35.—California.— $\frac{1}{2}$.
ocymoides Willk. & Lge.—*R. V. C.* iv. 193. 36; *B. M.* t. 627.—
Portugal, Spain.— $\frac{1}{2}$.
umbellatum Spach.—*R. V. C.* iv. 193. 42; *Sweet, Cist.* t. 5.
—Mediterranean region.— $\frac{1}{2}$.

† **HALLERIA** L.—*N. Pff.* iv. 3b. 63.—Scrophulariaceæ—Antirrhi-
noideæ—Cheloneæ.

- abyssinica** Jaub. & Spach. = *lucida*.
lucida L.—*DC.* x. 301; *Fl. Trop. Afr.* iv. 2. 295; *B. M.* t.
1744.—From Abyssinia to the Cape.— $\frac{1}{2}$. Nearly the
whole year, chiefly in spring.

HALORRHAGIS Forst.—*N. Pff.* iii. 7. 232.—Halorrhagidaceæ—
Halorrhageæ.

- alata** Forst.—*Hdb. Fl. N. Zeald.* 65; *Fl. Austr.* ii. 479.
—*Cercodia erecta* Murr.—Australia, N. Zealand, Juan
Fernandez.— $\frac{1}{4}$.

HAMELIA Jacq.—*N. Pff.* iv. 4. 86.—Rubiaceæ—Cinchonoideæ—Gardeniinae—Gardenieæ.

patens Jacq.—*DC.* iv. 441; *Smith, Ex. Bot.* t. 24; *B. M.* t. 2533.—From Mexico, W. Indies to Paraguay.— $\frac{1}{2}$.

Haplocarpha Less. = *Arctotis*.

HAPLOPAPPUS Cass.—*N. Pff.* iv. 5. 150.—Compositæ—Astereæ—Solidagininae.

croceus A. Gray in *Proc. Acad. Sc. Phil.* 1863. 65.—N. America.— $\frac{1}{2}$.

ericoides DC. v. 346; *Gard. Chron.* 1896, ii. 301.—California.— $\frac{1}{2}$. May–June.

‡**HARDENBERGIA** Benth.—*N. Pff.* iii. 3. 361, sub *Kennedya*.—Leguminosæ—Papilionatæ—Phaseoleæ—Glycininae.

Comptoniana Benth.—*Fl. Austr.* ii. 246.—W. Australia.— $\frac{1}{2}$ §. April.

monophylla Benth.—*Fl. Austr.* ii. 247; *B. M.* t. 263, 2169; *Vent. J. Malm.* t. 106; *Lodd. B. C.* t. 758, 1940.—E. Australia.— $\frac{1}{2}$ §. February–April.

‡**HAWORTHIA** Duval.—*N. Pff.* ii. 5. 46.—Liliaceæ—Asphodeloideæ—Aloineæ.

altilinea Haw.—*Fl. Cap.* vi. 347; *Berger, Al. (R. V. C.* iv. 38, 3. 2.), 104.—Cape.— $\frac{1}{4}$. Summer.

angustifolia Haw.—*Fl. Cap.* vi. 347; *Berger, Al.* 109.—Cape.— $\frac{1}{4}$. Summer.

atrovirens Haw.—*Fl. Cap.* vi. 350; *Berger, Al.* 110; *B. M.* t. 1361.—Cape.— $\frac{1}{4}$. Summer.

attenuata Haw.—*Fl. Cap.* vi. 340; *Berger, Al.* 93; *B. M.* t. 1345, as *Aloe radula*.—Cape.— $\frac{1}{4}$. Summer.

„ var. *argyrostigma* Hort.—*Berger, Al.* 94.— $\frac{1}{4}$.

„ var. *clariperla* Bak.—*Berger, Al.* 94.— $\frac{1}{4}$.

Bolusii Bak. var. *aranea* *Berger, Al.* 114. fig. 39A–E.—Cape.— $\frac{1}{4}$. Summer.

Chalwinii Marloth & *Berger*.—*Berger, Al.* 85.—Cape.— $\frac{1}{4}$. Summer.

coarctata Haw.—*Fl. Cap.* vi. 338; *Berger, Al.* 84.—Cape.— $\frac{1}{4}$. Summer.

cuspidata Haw.—*Fl. Cap.* vi. 346; *Berger, Al.* 107.—Cape.— $\frac{1}{4}$. Summer.

cymbiformis Haw.—*Fl. Cap.* vi. 347; *Berger, Al.* 101; *B. M.* t. 802.—Cape.— $\frac{1}{4}$. Summer.

HAWORTHIA (*continued*).

denticula Haw.—*Fl. Cap.* vi. 351; *Berger, Al.* 106.—Cape.
—4. Summer.

fasciata Haw.—*Fl. Cap.* vi. 340; *Berger, Al.* 90.—Cape.—
4. Summer.

„ var. **cæspitosa** *Berger, Al.* 92.—4.

glabrata Bak.—*Fl. Cap.* vi. 342; *Berger, Al.* 93.—Cape.—
4. Summer.

„ var. **concolor** *Salm.—Berger, Al.* 93.—4.

glauca Bak.—*Fl. Cap.* vi. 339; *Berger, Al.* 83.—Cape.—4.
Summer.

hybrida Haw.—*Fl. Cap.* vi. 338; *Berger, Al.* 81.—Cape.—
4. Summer.

icosiphylla Bak.—*Fl. Cap.* vi. 344; *Berger, Al.* 93.—Cape.
—4. Summer.

lætevirens Haw.—*Fl. Cap.* vi. 351; *Berger, Al.* 105.—Cape.
—4. Summer.

margaritifera Haw.—*Fl. Cap.* vi. 341; *Berger, Al.* 87.—
Cape.—4. Summer.

„ var. **erecta** Bak.—*Berger, Al.* 88.—4.

„ var. **granata** Bak.—*Berger, Al.* 88.—4.

„ var. **semimargaritifera** Bak.—*Berger, Al.* 88.—4.

pallida Haw.—*Fl. Cap.* vi. 352; *Berger, Al.* 111.—Cape.—
4. Summer.

pellucens Haw. var. **delicatula** *Berger, Al.* 114.—Cape.—
4. Summer.

planifolia Haw.—*Fl. Cap.* vi. 347; *Berger, Al.* 102.—Cape.
—4. Summer.

radula Haw.—*Fl. Cap.* vi. 342; *Berger, Al.* 94; *Jacq. H.*
Sch. t. 422.—Cape.—4. Summer.

Reinwardtii Haw.—*Fl. Cap.* vi. 337; *Berger, Al.* 83.—Cape.
4. Summer.

reticulata Haw.—*Fl. Cap.* vi. 346; *Berger, Al.* 103; *B. M.*
t. 1314.—Cape.—4. Summer.

retusa Haw.—*Fl. Cap.* vi. 345; *Berger, Al.* 100; *DC. Pl.*
Gr. t. 45; *B. M. t.* 455.—Cape.—4. Summer.

rigida Haw.—*Fl. Cap.* vi. 339; *Berger, Al.* 81; *DC. Pl. Gr.*
t. 62.—Cape.—4. Summer.

rugosa Bak.—*Fl. Cap.* vi. 343; *Berger, Al.* 92.—Cape.—4.
Summer.

semiglabrata Haw.—*Fl. Cap.* vi. 341; *Berger, Al.* 89.—Cape.
—4. Summer.

HAWORTHIA

subattenuata Bak.—*Fl. Cap.* vi. 342; *Berger, Al.* 89.—Cape.
— $\frac{1}{4}$. Summer.

subfasciata Bak.—*Fl. Cap.* vi. 340; *Berger, Al.* 90.—Cape.
— $\frac{1}{4}$. Summer.

subulata Bak.—*Fl. Cap.* vi. 343; *Berger, Al.* 92.—Cape.— $\frac{1}{4}$. Summer.

tesselata Haw.—*Fl. Cap.* vi. 348; *Berger, Al.* 97.—Cape.— $\frac{1}{4}$. Summer.

tortuosa Haw.—*Fl. Cap.* vi. 336; *Berger, Al.* 79; *B. M. t.* 1337, sub *A. rigida*.—Cape.— $\frac{1}{4}$. Summer.

„ var. *major* Salm.—*Berger, Al.* 80.— $\frac{1}{4}$. Summer.

„ var. *tortella* Bak.—*Berger, Al.* 80.— $\frac{1}{4}$.

turgida Haw.—*Fl. Cap.* vi. 346; *Berger, Al.* 101.—Cape.— $\frac{1}{4}$. Summer.

viscosa Haw.—*Fl. Cap.* vi. 336; *Berger, Al.* 78; *B. M. t.* 814.—Cape.— $\frac{1}{4}$. Summer.

„ var. *concinna* Bak.—*Berger, Al.* 78.— $\frac{1}{4}$.

„ var. *pseudotortuosa* Bak.—*Berger, Al.* 78.— $\frac{1}{4}$.

HEBECLINIUM DC.—*N. Pff.* iv. 5. 140, sub *Eupatorium*.—
Compositæ—Eupatorieæ—Ageratinaæ.

ianthinum Hook.—*B. M. t.* 4574.—Mexico.— $\frac{1}{2}$. April—
May.

macrophyllum DC. v. 136; *Fl. W. Ind.* 356.—W. Indies.— $\frac{1}{2}$. May—July.

HEBENSTREITIA L.—*N. Pff.* iv. 3 b. 81.—Scrophulariaceæ—
Antirrhinoideæ—Selagineæ.

comosa Hochst.—*DC.* xii. 5; *Wood & Ev. Nat. Pl.* t. 67; *B. M. t.* 7895.—S. Africa.— $\frac{1}{4}$. Summer.

dentata L.—*DC.* xii. 4; *B. M. t.* 483.—S. Africa.— $\odot$.

HEBERDENIA Banks.—*R. V. C.* iv. 236. 158.—Myrsinaceæ—
Myrsinoideæ—Myrsineæ.

excelsa Banks.—*DC.* viii. 106; *Lowe, Man. Fl. Mad.* ii. 31; *R. V. C. l. c.*—Canaries, Madeira, Azores.— $\frac{1}{2}$.

‡**HECHTIA** Klotzsch & Zucc.—*N. Pff.* ii. 4. 32.—Bromeliaceæ—
Puyææ.

argentea Bak. *Brom.* 139; *B. M. t.* 7460.—Mexico.— $\frac{1}{4}$.

glomerata Zucc.—*Bak. Brom.* 138; *B. M. t.* 5842.—Mexico.— $\frac{1}{4}$.

rosea E. Morren.—*Bak. Brom.* 140.—Mexico.— $\frac{1}{4}$.

‡ **HEDERA** *L.*—*N. Pff.* iii. 8. 41.—*Araliaceæ*—*Schefflereæ*.

canariensis *Willd.*—*Schneider, Hdb. Laubh.* ii. 422.—*DC.* iv. 261.—*H. algeriensis* *Hort.*—Algeria, Portugal, Madeira, Canaries.—½ §. October.

colchica *Koch.*—*Schneider, Hdb. Laubh.* ii. 422.—*H. H.* var. *chrysocarpa* *DC. l. c.*—*H. Raegneriana* *Hort.*—Transcaucasia, N. Persia.—½ §. October.

Helix *L.*—*DC.* iv. 261; *Fl. d'It.* n. 2224; *Schneider, Hdb. Laubh.* ii. 422.—Europe.—½ §. August–October.

„ var. **chrysocarpa** *Ten.*—*Fl. d'It. l. c. β.*—S. Europe (Italy to Turkey).—½ §. August–October.

HEDYCARYA *Forst.*—*N. Pff.* iii. 2. 99.—*Monimiaceæ*—*Monimioideæ*—*Hedycariæ*.

arborea *Forst.*—*Hdb. Fl. N. Zeald.* 240; *R. V. C.* iv. 101. 20.—New Zealand.—½.

HEDYCHIUM *Koen.*—*N. Pff.* ii. 6. 19.—*Zingiberaceæ*—*Hedychiæ*.

carneum *Carey.*—*Fl. Brit. Ind.* vi. 232; *B. M.* t. 2637.—India.—¼. August–September.

Gardnerianum *Wall.*—*Fl. Brit. Ind.* vi. 230; *B. M.* t. 6913. E. Himalayas.—¼. August–September.

HEDYSARUM *L.*—*N. Pff.* iii. 3. 313.—*Leguminosæ*—*Papilionatæ*—*Hedysaræ*—*Euhedysarinæ*.

capitatum *Desf.*—*DC.* ii. 341; *B. M.* t. 1251; *Fl. d'It.* n. 2112γ.—Southern Mediterranean region.—☉. April–May.

coronarium *L.*—*DC.* ii. 341; *Fl. d'It.* n. 2113.—Italy.—¼. May–June.

elongatum *Fisch.* = *sibiricum*.

sibiricum *Poir.*—*DC.* ii. 343; *Ledeb. Fl. Ross.* i. 707; *Lodd. B. C.* t. 1401; *B. M.* t. 2213.—Siberia.—¼.

tauricum *Pall.*—*DC.* ii. 342; *Ledeb. Fl. Ross.* i. 702; *B. M.* t. 996.—Caucasus.—¼.

Hedyscepe Canterburyana *Wendl. & Drude* = *Kentia*.

HEIMIA *Link.*—*N. Pff.* iii. 7. 12.—*Lythraceæ*—*Nesææ*—*Nesæinæ*.

salicifolia *Lk. & Otto.*—*DC.* iii. 89; *R. V. C.* iv. 216. 241.—Central to Southern America.—½. April–August.

HELIANTHEMUM *Tourn.*—*N. Pff.* iii. 6. 304.—*Cistaceæ* (see also *Fumana*, *Halimium*, and *Tuberaria*).

glaucum *Boiss.*—*R. V. C.* iv. 193. 78.—Western Mediterranean region.—½. May–June.

HELIANTHEMUM (*continued*).

œlandicum Sw.—*R. V. C.* iv. 193. 119; *Sweet*, 85.—Arctic regions.— $\frac{1}{2}$. May–June.

salicifolium Mill.—*Fl. d'It.* n. 1280; *R. V. C.* iv. 193. 104; *Sweet*, 71.—S. Europe, Orient.— $\frac{1}{2}$. May–June.

vulgare Gaertn.—*R. V. C.* iv. 193. 84; *Sweet*, *Cist.* t. 34; *Fl. d'It.* n. 1277a.—Europe.— $\frac{1}{2}$. April–September.

„ fl. pl.— $\frac{1}{2}$.

HELIANTHUS L.—*N. Pff.* iv. 5. 235.—Compositæ–Helianthæ–Verbesinæ.

multiflorus L.—*DC.* v. 590.—N. America.— $\frac{1}{4}$. September–October.

tuberosus L.—*DC.* v. 590; *B. M.* t. 7545; *Fl. d'It.* n. 3668. N. America.— $\frac{1}{4}$. September–October.

HELICHRYSUM Gaertn.—*N. Pff.* iv. 5. 190.—Compositæ–Inuleæ–Gnaphalinæ.

angustifolium DC. vi. 183; *Fl. d'It.* n. 3630.—S. Europe.— $\frac{1}{4}$. June–September.

Baxteri A. Cunn.—*DC.* vi. 193; *Fl. Austr.* iii. 617.—Victoria, S. Australia.— $\frac{1}{4}$.

bracteatum Willd.—*DC.* vi. 188; *Fl. Austr.* iii. 620.—Australia.— $\odot$.

rupestre DC. vi. 182; *Fl. d'It.* n. 3627a.—Southern Italy.— $\frac{1}{4}$. May–June.

***Stœchas** DC. vi. 182; *Fl. d'It.* n. 3628.—Mediterranean region.— $\frac{1}{4}$. June–August.

HELICODICEROS Schott.—*N. Pff.* ii. 3. 148—Araceæ–Aroidæ–Areæ.

muscivorus Engl. l. c.—*Dracunculus m.* Fl. d'It. n. 532.—*Dr. crinitus* Schott, *Kunth*, *En.* iii. 30—Corsica, Sardinia.— $\frac{1}{4}$. May.

HELIOPSIS Pers.—*N. Pff.* iv. 5. 226.—Compositæ–Helianthæ–Zinninæ.

lævis Pers.—*DC.* v. 550; *B. M.* t. 3372.—N. America.— $\frac{1}{4}$.

HELIOTROPIUM L.—*N. Pff.* iv. 3a. 92.—Borraginacæ–Heliotropoideæ.

***europæum** L.—*DC.* ix. 534; *Fl. d'It.* n. 2830.—Central and S. Europe.— $\odot$. June–October.

HELIOTROPIUM (*continued*)

peruvianum *L.*—*DC.* ix. 538; *B. M.* t. 141.—Peru.—½.
All the year.

‡**HELLEBORUS** *L.*—*N. Pff.* iii. 2. 57.—*Ranunculaceæ*—*Helleboreæ*.

caucasicus *A. Br.*—*Boiss. Fl. Or.* i. 62; *Nich. Dict.* 132.
—Caucasus.—¼. March.

colchicus *Rgl.*—*Boiss. Fl. Or.* i. 62; *Nich. Dict.* 132.—
Caucasus, Central Asia.—¼. January–March.

***foetidus** *L.*—*DC.* i. 47; *Nich. Dict.* 132; *Fl. d'It.* n. 1618.—
S. Europe.—¼. January–April.

guttatus *A. Br.*—*Boiss. Fl. Or.* i. 63.—Caucasus.—¼. April.

lividus *L.*—*DC.* i. 47; *B. M.* t. 72 and 7903; *Fl. d'It.* n. 1619.—
Balearic Islands, Corsica, Sardinia.—¼. January–March.

niger *L.*—*DC.* i. 46; *B. M.* t. 8; *Fl. d'It.* n. 1617.—Europe.
—¼. December–March.

olympicus *Lindl.*—*Boiss. Fl. Or.* i. 63; *Nich. Dict.* 133,
fig. 215.—Greece.—¼. February.

HELWINGIA *Willd.*—*N. Pff.* iii. 8. 263.—*Cornaceæ*.

japonica *Dietr.*—*DC.* xvi. 2. 680; *Schneider, Hdb. Laubh.*
ii. 434.—*H. rusciflora* *Willd. Sieb. Fl. Jap.* t. 86.—Japan,
China.—½.

HEMEROCALLIS *L.*—*N. Pff.* ii. 5. 40.—*Liliaceæ*—*Asphodeloideæ*—*Hemerocallideæ*.

aurantiaca *Hort.*—*Nich. Dict. Suppl.* 420.—Japan.—¼.
May–June.

flava *L.*—*Kunth, En.* iv. 588; *B. M.* t. 19; *Red. Lil.* t. 15
(excl. β).—Europe, Temperate Asia.—¼.

fulva *L.*—*Kunth, En.* iv. 588; *B. M.* t. 64; *Red. Lil.* t. 16.—
China.—¼.

minor *Mill. Dict.* ed. 8. n. 2.—*H. graminea* *Andr. Kunth,*
En. iv. 588; *B. M.* t. 873.—Northern Asia.—¼.

Heptapleurum *Gaertn.* = *Schefflera*.

‡**HERMANNIA** *L.*—*N. Pff.* iii. 6. 80.—*Sterculiaceæ*—*Hermannieæ*.

alnifolia *L.*—*DC.* i. 495; *Fl. Cap.* i. 189; *Jacq. H. Sch.* t. 291; *B. M.* t. 299.—Cape.—½. All the year.

angularis *Jacq. H. Sch.* t. 126; *Fl. Cap.* i. 197.—Cape.—
½. All the year.

HERMANNIA (*continued*).

candicans *Ait.*—*DC.* i. 493; *Fl. Cap.* i. 186; *Jacq. H. Sch.* t. 117.—*S. Africa.*— $\frac{1}{2}$. December–March.

„ **var. discolor** *Harv. Fl. Cap. l. c.*; *Bossche, Ic. Sel.* t. 66.—December–March.

denudata *L.*—*DC.* i. 495; *Fl. Cap.* i. 194; *Jacq. H. Sch.* t. 122.—*S. Africa.*— $\frac{1}{2}$. April–July.

HERMODACTYLUS *Adans.*—*N. Pff.* ii. 5. 145. — Iridaceæ–Iridoideæ–Iridinæ.

tuberosus *Salisb.*—*Bak. Irid.* 47; *Bicknell, Fl. Bord. & S. Rem.* 270; *B. M.* t. 531; *Red. Lil.* t. 48; *Fl. d. S.* t. 1083; *Fl. d'It.* n. 792. — Mediterranean region. — $\frac{1}{4}$. March–April.

‡ **HESPEROALOE** *Engelm.*—*N. Pff.* ii. 5. 71. — Liliaceæ–Dracænoideæ–Yuccææ.

funifera *Trel. Rept. Miss. Bot. Gard.* 1902, 36. — *H. Davyi* *Bak. Kew Bull.* 1898, 226; *H. Engelmanni* *Baill. Hort. Pl.* 12. 511.—Northern Mexico.— $\frac{1}{4}$.

parviflora *Coult.*—*Rept. Miss. Bot. Gard.* 1902, 30.—*H. yuccæfolia* *Engelm. B. M.* t. 7723.—Texas.— $\frac{1}{4}$.

‡ **HESPEROYUCCA** *Engelm.*—*Trel. Rept. Miss. Bot. Gard.* 1902, 38; *N. Pff.* ii. 5. 71, sub *Yucca*.—Liliaceæ–Dracænoideæ–Yuccææ.

Whipplei *Bak. Kew Bull.* 1892, 8; *B. M.* t. 7662.—California.— $\frac{1}{4}$. Summer.

HETERODENDRON *Desf.*—*N. Pff.* iii. 5. 333.—Sapindaceæ–Nephelieæ.

oleifolium *Desf.*—*DC.* ii. 92; *Fl. Austr.* i. 469.—Australia.— $\frac{1}{2}$.

‡ **HETEROMORPHA** *Cham. & Schlecht.*—*N. Pff.* iii. 8. 179.—Umbelliferæ–Apioideæ–Ammineæ–Carinæ.

arborescens *Cham. & Schlecht.*—*DC.* iv. 134; *Fl. Cap.* ii. 542; *Fl. Trop. Afr.* iii. 10; *Wolff, Umbell. (R. V. C.)*, 33.—From Abyssinia to S. Africa.— $\frac{1}{2}$. April–August.

HETEROPTERIS *Juss.*—*N. Pff.* iii. 4. 62.—Malpighiaceæ–Pyramidotoræ–Banisterieæ–Banisteriinaæ.

glabra *Hook. & Arn.*—*N. Pff. l. c.*—Brazil.— $\frac{1}{2}$.

HETEROTOMA Zucc. — *N. Pff.* iv. 5. 68. — Campanulaceæ-Lobelioideæ.

lobelioides Zucc. — *DC.* vii. 350; *Fl. d'It.* n. 1454; *B. M.* t. 7849. — Mexico. — 4. April-June.

HEUCHERA L. — *N. Pff.* iii. 2a. 62. — Saxifragaceæ-Saxifragoideæ-Saxifraginæ.

hispida Pursh. — *A. Gray, Man. Bot. N. U. S.* 144. — Virginia, Illinois. — 4. May.

micrantha Dougl. — *DC.* iv. 667. — Pacific States of N. America. — 4. May.

pilosissima Fisch. & Mey. — *N. Pff.* iii. 2a. 62. — N. California. — 4. May.

sanguinea Engelm. — *B. M.* t. 6929. — New Mexico, Arizona. — 4. April-May.

HEURNIA R. Br. — *N. Pff.* iv. 2. 280. — Asclepiadaceæ-Cynanchoideæ-Tylophoreæ-Ceropeginæ (Stapeliæ).

appendiculata Berger, *Stap.* 174. — S. Africa? — 4. October.

aspera N. E. Br. — *Fl. Trop. Afr.* iv. 1. 496; *Berger, Stap.* 139; *B. M.* t. 7000. — Trop. E. Africa. — 4. July-October.

aspera × *Penzigii* Berger, *Stap.* 139. — Garden origin. — 4. July-October.

brevirostris N. E. Br. — *Fl. Cap.* iv. 1. 915; *Berger, Stap.* 147; *B. M.* t. 6379. — Cape. — 4. September-November.

clavigera Haw. — *DC.* viii. 651; *Fl. Cap.* iv. 1. 907; *Berger, Stap.* 163; *B. M.* t. 1661, as *H. campanulata*. — S. Africa. — 4. Oct.

concinna N. E. Br. — *Fl. Trop. Afr.* iv. 1. 497; *Berger, Stap.* 144; *B. M.* t. 7905. — Eritrea, Somaliland. — 4. Summer.

Hystrix N. E. Br. — *Fl. Cap.* iv. 1. 911; *Berger, Stap.* 172; *B. M.* t. 5751. — Natal. — 4. July-October.

oculata Hook. fil. — *Fl. Trop. Afr.* iv. 1. 496; *Berger, Stap.* 144; *B. M.* t. 6658; *Gard. Chron.* 1904, ii. 132. — German S.W. Africa. — 4. August-October.

Penzigii N. E. Br. — *Fl. Trop. Afr.* iv. 1. 496; *Berger, Stap.* 140. — Abyssinia, Eritrea. — 4. August-October.

Pillansii N. E. Br. — *Fl. Cap.* iv. 1. 909; *Berger, Stap.* 168. — S. Africa. — 4. August-October.

primulina N. E. Br. — *Fl. Cap.* iv. 1. 912; *Hook. Ic.* t. 1906; *Berger, Stap.* 148. — S. Africa. — 4. October-November.

somalica N. E. Br. — *Fl. Trop. Afr.* iv. 1. 947; *Berger, Stap.* 146. fig. 35. — Somaliland. — 4. October-November.

Thureti Cels. — *Fl. Cap.* iv. 1. 914; *Berger, Stap.* 166. — S. Africa. — 4. September-October.

HEURNIOPSIS *N. E. Br.*—*N. Pff.* iv. 2. 277.—Asclepiadaceæ—Cynanchoidæ—Tylophoreæ—Ceropegiiinæ (Stapeliæ).

decipiens *N. E. Br.*—*Fl. Trop. Afr.* iv. 1. 499; *Fl. Cap.* iv. 1. 922; *Berger, Stap.* 135.—German S. W. Africa, S. Africa.— μ . August–October.

Hexacentris Nees = *Thunbergia*.

HIBBERTIA *Andr.*—*N. Pff.* iii. 6. 115.—Dilleniaceæ—Dillenoideæ—Hibbertiæ.

cuneiformis *Gilg.*—*N. Pff.* l. c.—*Candollea cuneiformis* Labill. *Fl. Austr.* i. 42; *B. M.* t. 2711.—W. Australia.— η . May–June.

volubilis *Andr.*—*Fl. Austr.* i. 37.—*Dillenia speciosa* *B. M.* t. 449.—Queensland, N. S. Wales.— μ §. May–June.

† **HIBISCUS** *L.*—*N. Pff.* iii. 6. 48.—Malvaceæ—Hibisceæ.

Abelmoschus *L.*—*DC.* i. 452; *Fl. Ind.* i. 342; *Wight, Ic.* t. 399; *Desc. Fl. M. Ant.* v. t. 361.—India, cultivated in most tropical countries.— $\odot$.

angulosus *Mast.*—*Fl. Ind.* i. 341; *Wight, Ic.* t. 951.—India, Ceylon.— η . June.

argentinus *O. Kuntze, Rev. Gen.* iii. 2. 19.—Argentina.— η . April.

californicus *Kellogg.*—*Nich. Dict. Suppl.* 425.—California.— μ . August.

esculentus *L.*—*DC.* i. 450; *Fl. Ind.* i. 343; *Desc. Fl. M. Ant.* iv. t. 269.—India, cultivated in all tropical countries.— $\odot$. July–September.

grandiflorus *Michx.*—*DC.* i. 451.—Georgia, Florida.— μ .

Hamabo *Sieb. & Zucc. Fl. Jap.* i. 176. t. 93.—Japan.— η .

heterophyllus *Vent. Hort. Malm.* t. 103; *DC.* i. 450; *Fl. Austr.* i. 212.—Queensland, N. S. Wales.— η . May–September.

Manihot *L.*—*DC.* i. 448; *Fl. Ind.* i. 341; *Fl. Austr.* i. 210; *B. M.* t. 7752; *The Garden*, 1898, i. t. 126; *Gard. Chron.* 1897, ii. 249.—China, Japan.— $\odot$. Summer.

militaris *Cav.*—*DC.* i. 451; *B. M.* t. 2385.—N. America.— μ . Summer.

mutabilis *L.*—*DC.* i. 452; *Fl. Ind.* i. 344.—China.— η . May–October.

pedunculatus *Cav.*—*DC.* i. 446; *Fl. Cap.* i. 173; *Lodd. B. C.* t. 836.—S. Africa.— η .

HIBISCUS (*continued*).

pungens *Roxb.*—*Fl. Brit. Ind.* i. 341.—Tropical Himalaya, Khasia Mountains.—☉. Summer.

Rosa-sinensis *L.*—*DC.* i. 448; *Fl. Brit. Ind.* i. 344; *B. M.* t. 158.—Tropical Asia.—♂. May–October.

roseus *Thore.*—*DC.* i. 450; *Gren. & Godr. Fl. Fr.* i. 296; *Fl. d'It.* n. 2561.—Italy, France, Spain.—♂. August.

syrriacus *L.*—*DC.* i. 448; *Nich. Dict.* 143; *Fl. d'It.* n. 2559.—Armenia.—♂. June–September.

tiliaceus *L.*—*DC.* i. 454; *Fl. Brit. Ind.* i. 343; *Wight, Ic.* t. 7.—Tropics of both hemispheres.—♂. Summer.

venustus *Blume* [see *B. M.* t. 7183] var. **roseus**.—Cuba.—♂. January.

HIDALGOA *Llav. & Lex.*—*N. Pff.* iv. 5. 243.—Compositæ—Heliantheæ—Coreopsidinæ.

Wercklei *Hook. fil. B. M.* t. 7684; *Gard. Chron.* 1900, ii. 83.—Costa Rica.—♂ §. Summer–autumn.

HIERACIUM *L.*—*N. Pff.* iv. 5. 375.—Compositæ—Cichoriæ—Crepidinæ.

amplexicaule *L.*—*DC.* vii. 230; *Fl. d'It.* n. 3963.—S. Europe.—♂. Spring.

aurantiacum *L.*—*DC.* vii. 204; *Fl. d'It.* n. 3948.—Europe.—♂. Spring.

lanatum *W.*—*DC.* vii. 216; *Fl. d'It.* n. 3985.—Europe.—♂. Spring.

Schmidtii *Tausch.*—*DC.* vii. 230; *Fl. d'It.* n. 4035.—Europe.—♂. Spring.

HIPPEASTRUM *Herb.*—*N. Pff.* ii. 5. 113.—Amaryllidaceæ—Amaryllidoideæ—Narcisseæ—Pancratiinæ.

aulicum *Herb.*—*Bak. Am.* 46; *B. M.* t. 3311.—Brazil.—♂. May.

Reginæ *Herb.*—*Bak. Am.* 48; *B. M.* t. 453; *Red. Lil.* t. 9.—Mexico, Brazil.—♂. May.

HIPPOMARATHRUM *Link.*—*N. Pff.* iii. 8. 173.—Umbelliferæ—Apioideæ—Smyrniæ.

siculum *Hfmgg. & Lk.*—*DC.* iv. 237; *Fl. d'It.* n. 2409.—Spain, Italy, Greece.—♂.

HLADNIKIA *Koch.*—*N. Pff.* iii. 8. 171.—Umbelliferæ—Apioideæ—Smyrniæ.

Golaka *Rchb. fil.*—*Fl. d'It.* n. 2396.—S. Europe.—♂.

HOHERIA *A. Cunn.*—*N. Pff.* iii. 6. 44.—Malvaceæ—Malveæ—Sidinæ.

populnea *A. Cunn.*—*Hdb. Fl. N. Zeald.* 31; *Gard. Chron.* 1901, ii. 374.—New Zealand.—½. July.

Hoitzia Juss. = *Læselia*.

‡**HOLLBÆLLIA** *Wall.*—*N. Pff.* iii. 2. 69.—Lardizabalaceæ.

latifolia *Wall.*—*Fl. Brit. Ind.* i. 108; *Schneider, Hdb. Laubh.* i. 295.—*Stauntonia latifolia* *Wall.*—Himalaya, Central China.—½ §. March–April.

HOLOPTELEA *Planch.*—*N. Pff.* iii. 1. 62.—Ulmaceæ—Ulmoideæ.

integrifolia *Planch.*—*DC.* xvii. 164; *Wight, Ic.* t. 1968; *Fl. Brit. Ind.* v. 481.—*Ulmus integrifolia* *Roxb. Brand. Forest Fl.* 431.—India, Ceylon.—½.

HOMALANTHUS *Juss.*—*N. Pff.* iii. 5. 95.—Euphorbiaceæ—Platylobeæ—Crotonoideæ—Hippomaneæ.

populneus *Pax, N. Pff.* iii. 5. 95. fig. 60; *Bossche, Ic. Sel.* t. 169.—*Homalanthus populifolius* *Grah. B. M.* t. 2780; *Fl. Brit. Ind.* v. 469.—*Carumbium populneum* *Muell. Arg. DC.* xv. 2. 1144.—*H. Leschenaultianus* *Juss.*—Malaya, Australia, Pacific Islands.—½. Autumn.

HOMERIA *Vent.*—*N. Pff.* ii. 5. 149.—Iridaceæ—Iridoideæ—Tigridiæ—Cipurinæ.

collina *Vent.*—*Bak. Irid.* 74; *Fl. Cap.* vi. 28; *B. M.* t. 1033; *Red. Lil.* t. 250, &c.—S. Africa.—¼. Spring.

‡**HOODIA** *Sweet.*—*N. Pff.* iv. 2. 274.—Asclepiadaceæ—Cynanchoideæ—Tylophoreæ—Ceropeginiæ (Stapelieæ).

Currori *Decne.*—*DC.* viii. 665; *Berger, Stap.* 40; *B. M.* t. 8136.—German S. W. Africa.—¼.

HOUTTUYNIA *Thunb.*—*N. Pff.* iii. 1. 3.—Saururaceæ.

cordata *Thunb.*—*DC.* xvi. 1. 238; *B. M.* t. 2731.—Himalaya, China, Japan.—¼. June–July.

‡**HOVENIA** *Thunb.*—*N. Pff.* iii. 5. 412.—Rhamnaceæ—Rhamneæ.

dulcis *Thunb.*—*DC.* ii. 40; *Sieb. Fl. Jap.* t. 73; *B. M.* t. 2360.—Japan, China, Himalaya.—½. March–April.

‡**HOWEA** *Becc.*—*N. Pff.* ii. 3. 67.—Palmæ—Ceroxylinæ—Arecineæ—Areceæ.

Belmoreana *Becc.*—*Nich. Dict. Suppl.* 430; *B. M.* t. 7018.—*Kentia* *B.*—*Fl. Austr.* vii. 137.—Lord Howe's Island.—½.

Forsteriana *Becc.*—*Nich. Dict. Gard.*—*Kentia* *F.*—*Fl. Austr.* vii. 138.—Lord Howe's Island.—½.

†**HOYA** *R.Br.*—*N. Pff.* iv. 2. 289.—Asclepiadaceæ—Cynanchoidæ—Tylophoreæ—Marsdeniinae.

carnosa *R. Br.*—*DC.* viii. 636; *Fl. Austr.* iv. 346; *B. M.* t. 788.—S. China to Queensland.—½ §. July–September.

HUNNEMANNIA *Sweet.*—*N. Pff.* iii. 2. 139.—Papaveraceæ—Eschscholtzieæ.

fumariæfolia *Sweet.*—*B. M.* t. 3061; *Fedde, Papav. (R. V. C.)*, 141.—Mexico.—☉ ¼. Nearly the whole year.

HUNTERIA *Roxb.*—*N. Pff.* iv. 2. 150.—Apocynaceæ—Plumierioideæ—Plumiereæ—Rauwolfinae.

corymbosa *Roxb.*—*DC.* viii. 350; *Fl. Brit. Ind.* iii. 637; *Wight, Ic.* t. 428 and 1294.—India, Ceylon.—¼.

HYACINTHUS *L.*—*N. Pff.* ii. 5. 68.—Liliaceæ—Lilioideæ—Scilleæ.

dubius *Guss.*—*Kunth, En.* iv. 308; *Fl. d'It.* n. 672.—S. Italy, Greece.—¼. March–April.

lineatus *Steud.*—*Kunth, En.* iv. 309.—Asia Minor.—¼. March–April.

orientalis *L.*—*Kunth, En.* iv. 303; *B. M.* t. 937; *Fl. d'It.* n. 669; *Saund. Ref. Bot.* t. 176.—Dalmatia, Greece, Asia Minor.—¼. March–April.

„ var. **albulus** *Jord.*—*Nich. Dict.* 160.—¼. December–March. (Roman hyacinth.)

romanus *L.*—*Kunth, En.* iv. 308; *Red. Lil.* vi. 334; *Fl. d'It.* n. 671; *B. M.* t. 939.—Mediterranean region.—¼. March–April.

***trifolius** *Ten.*—*Kunth, En.* iv. 308; *Fl. d'It.* n. 673.—Apulia, Liguria.—¼. April.

HYDRANGÆA *L.*—*N. Pff.* iii. 2a. 75.—Saxifragaceæ—Hydrangeoideæ—Hydrangeæ.

anomala *D. Don.*—*DC.* iv. 15; *Schneider, Hdb. Laubh.* i. 393.—Himalaya, China (*Wilson*, n. 491).—½.

Hortensia *Sieb.*—*DC.* iv. 15; *B. M.* t. 438.—*H. opuloides* *K. Koch, Schneider, Hdb. Laubh.* i. 391.—China, Japan.—½. April–September.

longipes *Franch. Nouv. Arch. Mus. Paris*, ser. 2. viii. 227.—China (*Wilson*, n. 580).—½.

paniculata *Sieb.*—*Fl. Jap.* t. 61; *DC.* iv. 666; *Schneider, Hdb. Laubh.* i. 390—Japan.—½.

HYDRANGÆA (*continued*).

quercifolia *Bartr.*—*DC.* iv. 14; *Schneider, Hdb. Laubh.* i. 384.—Georgia, Florida.— $\frac{1}{2}$. April–May.

Sargentiana *Rehd.*—China (*Wilson*, n. 772).— $\frac{1}{2}$.

strigosa *Rehd.*—China (*Wilson*, n. 765, 773).— $\frac{1}{2}$.

„ var. **macrophylla** *Rehd.*—China (*Wilson*, n. 571, 757).— $\frac{1}{2}$.

xanthoneura *Diels & Gilg* in *Engl. Bot. Jahrb.* xxix. 373.
—China (*Wilson*, n. 1183*a*, 1327, 1354).— $\frac{1}{2}$.

HYMENANTHERA *R. Br.*—*N. Pff.* iii. 6. 330.—Violaceæ–Rinoreæ.

crassifolia *Hook. fil. Hdb. Fl. N. Zeald.* 18; *Schneider, Hdb. Laubh.* ii. 357.—New Zealand.— $\frac{1}{2}$. April.

HYMENOCALLIS *Salisb.*—*N. Pff.* ii. 5. 110.—Amaryllidaceæ–Amaryllidoideæ–Narcisseæ–Eucharidinæ.

calathina *Nich. Dict. Gard.* ii. 165; *Bak. Am.* 128; *Bossche, Ic. Sel.* t. 190; *B. M.* t. 2685, as *Ismene calathina* *Herb.*—Peru, Bolivia.— $\frac{1}{2}$.

caribæa *Herb.*—*Bak. Am.* 125; *B. M.* t. 826; *Lodd. B. C.* t. 558; *Red. Lil.* t. 414.—W. Indies.— $\frac{1}{2}$.

‡**HYMENOSPORUM** *F. M.*—*N. Pff.* iii. 2*a*. 112.—Pittosporaceæ–Pittosporæ.

flavum *F. M.*—*Fl. Austr.* i. 114; *B. M.* t. 4799.—Queensland, N. S. Wales.— $\frac{1}{2}$. June.

HYPERICUM *L.*—*N. Pff.* iii. 6. 208.—Guttiferæ–Hypericoideæ–Hypericeæ.

ægyptiacum *L.*—*DC.* i. 549; *B. M.* t. 6481.—Egypt.— $\frac{1}{2}$. December–May.

Androsæmum *L.*—*DC.* i. 543; *Fl. d'It.* n. 1250.—Europe, Caucasus.— $\frac{1}{2}$. June–September.

Ascyron *L.*—*DC.* i. 545; *N. Pff. l. c.* 211.—Siberia, Mongolia, Japan, N. America.— $\frac{1}{2}$. March–June.

atomarium *Boiss.*—*Fl. Or.* i. 808; *Fl. Græc. Consp.* i. 282.—Greece, Asia Minor.— $\frac{1}{2}$.

calycinum *L.*—*DC.* i. 546; *B. M.* t. 146; *Fl. d'It.* n. 1249.
—Eastern Mediterranean region, Asia Minor, Caucasus.— $\frac{1}{2}$. June.

canariense *L.*—*DC.* i. 544; *Lodd. B. C.* t. 953; *N. Pff. l. c.* 211.—Canaries.— $\frac{1}{2}$. March–June.

HYPERICUM (*continued*).

cernuum *Roxb.*—*Fl. Brit. Ind.* i. 253.—*H. oblongifolium* Choisy; *DC.* i. 545.—Western Himalaya.—½. June.

chinense *L.*—*DC.* i. 545; *B. M. t.* 334.—India, Japan, China.—½. May.

***Coris** *L.*—*DC.* i. 553; *B. M. t.* 6563; *Fl. d'It.* n. 1265.—Europe, Orient.—¼. June–August.

elatum *Ait.*—*DC.* i. 544.—N. America.—½.

floribundum *Ait.*—*DC.* i. 544; *N. Pff. l. c.* 211.—Canaries.—½. March–June.

fragile *Heldr. & Sart.*—*Boiss. Fl. Or.* i. 794; *Fl. Græc. Consp.* i. 283.—Greece.—¼. May–June.

hircinum *L.*—*DC.* i. 544; *Fl. d'It.* n. 1251.—Mediterranean region.—½.

Hookerianum *Wight & Arn.*—*Fl. Brit. Ind.* i. 254.—Himalaya.—½.

inodorum *W.*—*DC.* i. 544; *Schneider, Hdb. Laubh.* ii. 338.—Caucasus.—½. May.

Moserianum *E. André.*—*The Garden*, 1898, ii. 490.—Garden origin.—½. May.

olympicum *L.*—*DC.* i. 544; *Fl. Or.* i. 790; *Fl. Græc. Consp.* i. 275; *Smith, Ex. Bot.* ii. t. 96.—Greece.—½.

polyphyllum *Boiss. & Bal.*—*Fl. Or.* i. 791; *N. Pff. l. c.* 212.—Cilicia.—¼. April–May.

prolificum *L.*—*DC.* i. 547; *Jacq. H. Sch.* t. 299.—N. America.—½.

pyramidatum *Ait.*—*DC.* i. 545; *Torr. Fl. N. York*, i. t. 12.—N. America.—¼.

HYPOCALYMNA *Endl.*—*N. Pff.* iii. 7. 98.—Myrtaceæ–Leptospermoideæ–Leptospermeæ–Bæckeinæ.

robustum *Endl.*—*Fl. Austr.* iii. 92.—W. Australia.—½.

HYPOXIS *L.*—*N. Pff.* ii. 5. 121.—Amaryllidaceæ–Hypoxidoideæ–Hypoxideæ.

villosa *L. fil.*—*Fl. Cap.* vi. 184; *B. M. t.* 711.—S. Africa.—¼. November.

HYSSOPUS *L.*—*N. Pff.* iv. 3a. 306.—Labiataë–Stachyoideæ–Hyssopinæ.

officinalis *L.*—*DC.* xii. 251; *Fl. d'It.* n. 3199.—Mediterranean region, Orient.—½. May–June.

- IBERIS** *L.*—*N. Pff.* iii. 2. 164.—Cruciferae—Sinapeae—Cochleariinae.
gibraltarica *L.*—*DC.* i. 181; *B. M.* t. 124; *Schneider, Hdb. Laubh.* i. 356.—Spain, Morocco.— $\frac{1}{4}$. December–March.
saxatilis *L.*—*DC.* i. 180; *Fl. d'It.* n. 1507.—S. Europe.— $\frac{1}{4}$. Spring.
semperflorens *L.*—*DC.* i. 181; *Fl. d'It.* n. 1506.—Italy.— $\frac{1}{4}$. October–April.
sempervirens *L.*—*DC.* i. 180; *Fl. d'It.* n. 1508.—*I. Garrexiana* *All.*—Mediterranean region.— $\frac{1}{4}$. Spring.
Tenoreana *DC.* i. 179; *Lodd. B. C.* t. 1721; *Fl. d'It.* n. 1509b.—S. Italy.— $\frac{1}{4}$. Spring.
- ‡**IDESIA** *Maxim.*—*N. Pff.* iii. 6a. 45.—Flacourtiaceae—Idesieae.
polycarpa *Maxim.*—*N. Pff.* l. c.; *B. M.* t. 6794; *Gard. Chron.* 1906, i. 13.—China, Japan.— $\frac{1}{2}$.
- ‡**ILEX** *L.*—*N. Pff.* iii. 5. 186.—Aquifoliaceae.
Aquifolium *L.*—*DC.* ii. 13; *Fl. d'It.* n. 2434.—Europe, W. Asia.— $\frac{1}{2}$. April and November.
 „ var. *balearica* *Loes.*—*Schneider, Hdb. Laubh.* ii. 164.—Balearic Islands, S. Spain.— $\frac{1}{2}$.
Betschleriana *Goepp.* = *Olmediella Betschleriana.*
Cassine *Ait.*—*DC.* ii. 14.—N. America.— $\frac{1}{2}$.
corallina *Franch.*—*Schneider, Hdb. Laubh.* ii. 165.—China (*Wilson*, n. 6. 1269).— $\frac{1}{2}$.
cornuta *Lindl.*—*B. M.* t. 5059; *Schneider, Hdb. Laubh.* ii. 164.—Northern China.— $\frac{1}{2}$. March.
Dahoon *Walt.*—*DC.* ii. 14.—N. America.— $\frac{1}{2}$.
fragilis *Hook.* var. *Kingii* *Loes.*—China (*Wilson*, n. 892a).— $\frac{1}{2}$.
Franchetiana *Loes.*—China (*Wilson*, n. 148).— $\frac{1}{2}$.
insignis *Hook. Fl. Brit. Ind.* i. 599.—Sikkim Himalaya.— $\frac{1}{2}$. March–May.
latifolia *Thunb.*—*DC.* ii. 16; *B. M.* t. 5597.—Japan.— $\frac{1}{2}$. March–April.
macrocarpa *Oliv.*—*Schneider, Hdb. Laubh.* ii. 168.—China (*Wilson*, n. 151).— $\frac{1}{2}$.
paraguayensis *St. Hil.*—*DC.* ii. 15; *N. Pff.* l. c. 188.—S. Brazil, Uruguay, Paraguay.— $\frac{1}{2}$. “Maté.”
Pernyi *Franch.*—*Journ. Linn. Soc.* xxiii. 117.—China (*Wilson*, n. 119).— $\frac{1}{2}$.
purpurea *Hassk.*—Java, China (*Wilson*, n. 689).— $\frac{1}{2}$.
serrata *Thunb.*—*DC.* ii. 16.—Japan.— $\frac{1}{2}$.
Tarajo *Goepp.*—*Linnæa*, xxvi. 749.—?— $\frac{1}{2}$.

ILLICIUM *L.*—*N. Pff.* iii. 2. 18.—Magnoliaceæ—Illicieæ.

floridanum *Ellis.* — *DC.* i. 77; *Lodd. B. C.* t. 209. —
N. America.—½.

religiosum *Sieb. & Zucc.*—*Fl. Jap.* i.; *B. M.* t. 3965; *Bossche, Ic. Sel.* t. 126.—*I. anisatum* *L.* ex parte.—Japan.—½.

verum *Hook. fil.*—*B. M.* t. 7005.—S. China.—½. August.

Ima(n)tophyllum *Hook.* = *Clivia*.

†**IMPATIENS** *L.*—*N. Pff.* iii. 5. 389.—Balsaminaceæ.

auricoma *Poiss.* — *B. M.* t. 7381.—Comoro Islands. — ¼.
Spring-autumn.

Hawkeri *Bull.*—*B. M.* t. 8247.—Eastern New Guinea.—¼.
Spring-autumn.

Holstii *Engl.*—*B. M.* t. 8029. — Tropical E. Africa. — ¼.
Spring-autumn.

Oliveri *Hook. fil. B. M.* t. 7960; *Gard. Chron.* 1903, ii. 178.
—Tropical E. Africa.—¼. Nearly always.

Sultani *Hook. fil. B. M.* t. 6643.—Zanzibar.—¼. Spring-
autumn.

IMPERATA *Cyr.*—*N. Pff.* ii. 2. 23.—Gramineæ—Andropogoneæ.

***cylindrica** *Beauv.*—*Kunth, En.* i. 477; *Fl. d'It.* n. 119.—
S. Europe, N. Africa, &c.—¼. June-July.

INCARVILLEA *Juss.* — *N. Pff.* iv. 3b. 232.—Bignoniaceæ—
Tecomeæ.

Delavayi *Bur. & Franch.*—*B. M.* t. 7462.—China.—¼.

grandiflora *Bur. & Franch.*—*Nich. Dict. Suppl.* 44; *The Gard.* 1899, ii. 22.—China.—¼.

Olgæ *Rgl.*—*B. M.* t. 6593.—China.—¼. May-August.

sinensis *Lam.*—*DC.* ix. 237.—China.—¼. May-August.

variabilis *Bat.* — *B. M.* t. 7651. — China. — ¼. May-
August.

INDIGOFERA *L.*—*N. Pff.* iii. 3. 259.—Leguminosæ—Papilionatæ
—Galegeæ—Indigoferinæ.

argentea *L.*—*DC.* ii. 224.—N. Africa, W. Asia.—½.

decora *Lindl.*—*B. M.* t. 5063.—*Schneider, Hdb. Laubh.* ii. 65.
—China.—½.

Dosua *Ham.*—*DC.* ii. 225.—Nepal.—½. April-August.

macrostachya *Vent.*—*DC.* ii. 226; *Vilm. Frut.* 53.—China.
—½. April-August.

Inga *Hort.* (*non Willd.*) = *Calliandra*.

- INULA** *L.*—*N. Pff.* iv. 5. 201.—Compositæ—Inuleæ—Inulinæ.
crithmoides *L.*—*DC.* v. 470 ; *Fl. d'It.* n. 3646.—Canaries, Mediterranean region.—½ . Autumn-spring.
Helenium *L.*—*DC.* v. 463 ; *Fl. d'It.* n. 3634 ; *N. Pff.* l. c. 202.—From Central Europe to Persia.—¼ . June.
Hookeri *C. B. Clarke. Fl. Brit. Ind.* iii. 294 ; *B. M.* t. 6411.—Sikkim Himalaya.—¼ .
montana *L.*—*DC.* v. 468 ; *Fl. d'It.* n. 3642.—S. Europe.—¼ . May-June.
Royleana *DC.* v. 464 ; *Fl. Brit. Ind.* iii. 292.—Himalaya.—¼ .
thapsoides *Spreng.*—*DC.* v. 464 ; *Ledeb. Fl. Ross.* ii. 502.—Caucasus.—¼ . June.
- ‡ **IOCHROMA** *Benth.*—*N. Pff.* iv. 3b. 14.—Solanaceæ—Solaneæ—Lyciinaæ.
coccineum *Scheidw. Fl. d. S.* xii. t. 1261.—S. America.—½ . February–November.
grandiflorum *Benth.*—*DC.* xiii. 1. 491.—*I. Warscewiczii* Rgl. *Fl. d. S.* xi. t. 1163.—Peru, Colombia.—½ . February–November.
lanceolatum *Miers.*—*Chænestes lanceolata* Miers, *DC.* xiii. 1. 489 ; *B. M.* t. 4338.—Ecuador, Colombia.—½ . May–February.
tubulosum *Benth.*—*DC.* xiii. 1. 490 ; *Fl. d. S.* i. t. 56.—Ecuador.—½ . May–February.
- IONOPSIDIUM** *Rehb.*—*N. Pff.* iii. 2. 164.—Cruciferæ—Sinapeæ—Cochleariinaæ.
acaule *Rehb.*—*DC.* i. 174, sub *Cochlearia* ; *Fl. d. S.* t. 389.—Portugal.—☉ . March.
- ‡ **IPOMŒA** *L.*—*N. Pff.* iv. 3a. 29.—Convolvulaceæ—Convolvuloideæ—Convolvuleæ.
Batatas *Lam.*—*Fl. Brit. Ind.* iv. 202 ; *Fl. d'It.* n. 2847 ; *DC.* ix. 338, as *Batatas edulis* Choisy.—Tropical America.—¼ .
Bona-nox *L.* = *Calonyction speciosum* Choisy.
damarana *A. Rendle in Journ. Bot.* 1896, 36.—German S.W. Africa.—½ § . July–September.
digitata *L.*—*DC.* ix. 389 ; *Fl. Brit. Ind.* iv. 202 ; *B. M.* t. 3685.—Tropical Asia, Australia, S. America.—¼ § .
Learii *Paxt.* = *Pharbitis Learii* Choisy.
murucoides *R. & Sch.*—*DC.* ix. 358.—Mexico.—☉ § . Summer.

IPOMŒA (*continued*).

pandurata *Mey.*—*DC.* ix. 381; *B. M.* t. 1939.—Virginia, Carolina, Florida, &c.—4 §. July.

rubrocærulea *Hook.* *B. M.* t. 3297; *DC.* ix. 375.—Mexico.—○ §. October–November.

tuberosa *L.*—*DC.* ix. 362.—Tropical America.—4 §.

IRESINE *L.*—*N. Pff.* iii. 1a. 117.—Amarantaceæ–Gomphreneæ.

Herbstii *Hook.*—*B. M.* t. 5499.—S. America.—4.

† **IRIS** *L.*—*N. Pff.* ii. 5. 145.—Iridaceæ–Iridioideæ.

acoriformis *Bor.*—*Bak. Irid.* 11.—Europe.—4. April–May.
acuta *Willd.* = *sibirica* *L.*

alata *Poir.*—*Bak. Irid.* 45; *Red. Lil.* t. 211; *B. M.* t. 6352.—Western Mediterranean region.—4. November–April.

albopurpurea *Bak.*—*B. M.* t. 7511.—Japan.—4. March–April.

amœna *DC.* = *I. hybrida* *Retz.*

aphylla *L.*—*Bak. Irid.* 33; *B. M.* t. 2361, as *I. furcata* *M. B.*—E. Europe.—4.

atropurpurea *Bak.*—*Gard. Chron.* 1893, i. 384; *B. M.* t. 7379.—Palestine.—4.

attica *Boiss. & Heldr.*—*Bak. Irid.* 26.—Greece.—4. March–April.

aurea *Lindl.*—*Bak. Irid.* 15.—Western Himalaya.—4.

australis *Tod.* = *pallida* *Lam.*

balkana *Janka.*—*Bak. Irid.* 31.—Balkans.—4.

biflora *L.*—*Bak. Irid.* 33; *B. M.* t. 5806, as *I. nudicaulis.*—Portugal, Morocco.—4. March–April.

biglumis *Vahl.* = *ensata* *Thunb.*

Biliotti *Fost.*—*Bak. Irid.* 37.—Asia Minor.—4.

Bloudowii *Ledeb.*—*Fl. Ross.* iv. 102; *Bak. Irid.* 29.—Altai.—4.

brachycuspis *Fisch.* = *setosa* *Pall.*

Chamæiris *Bertol.*—*Bak. Irid.* 27; *Red. Lil.* t. 363; *Fl. d'It.* n. 780.—S. Europe.—4. March–April.

Ciengialti *Ambrosi.*—*Bak. Irid.* 34.—Lombardy, S. Tyrol.—4. April.

„ var. **veneta** *Pamp.* in *Nuov. Giorn. Bot. Ital.* 1909, 93.—Province of Treviso.—4.

Corygei *Lange.*—*Bak. Irid.* 36.—Garden origin?—4.

cuprea *Pursh.* = *fulva.*

Delavayi *Micheli.*—*B. M.* t. 7661.—Yunnan.—4.

dichotoma *L. fil.*—*Bak. Irid.* 17; *B. M.* t. 6428.—N. China.—4.

IRIS (*continued*).

ensata Thunb.—*Bak. Irid.* 8; *Fl. d' It.* n. 787; *B. M.* t. 2528, as *I. longispatha*.—Temperate Asia.— $\mathcal{U}$. March–April.
erratica Tod. = *lutescens*.

falcifolia Bunge.—*Bak. Irid.* 30.—Central Asia.— $\mathcal{U}$.

Fieberi Seidl. = *aphylla* L.

Fischeriana Hort. Willmott (1905).— $\mathcal{U}$.

flavescens DC. in *Red. Lil.* t. 375; *Bak. Irid.* 35.—Bosnia, Balkans, Armenia, Caucasus.— $\mathcal{U}$.

flexuosa Murray.—*B. M.* t. 1163; *Red. Lil.* t. 420; *Bak. Irid.* 9, as *I. sibirica* var. *flexuosa*.—Europe, Asia.— $\mathcal{U}$.

florentina L.—*Bak. Irid.* 38; *Fl. d' It.* n. 775; *B. M.* t. 671; *Red. Lil.* t. 23.—Central and S. Europe.— $\mathcal{U}$. May.

foetidissima L.—*Bak. Irid.* 18; *Fl. d' It.* n. 783; *Red. Lil.* t. 351.—Western Mediterranean region, Afghanistan.— $\mathcal{U}$. May–June.

„ var. **foliis variegatis**.

fulva Kér-Gawl.—*Bak. Irid.* 14; *B. M.* t. 1496.—Southern United States.— $\mathcal{U}$.

furcata M. B. = *aphylla* L.

germanica L.—*Bak. Irid.* 37; *B. M.* t. 670; *Red. Lil.* t. 309; *Fl. d' It.* n. 777.—Central and S. Europe.— $\mathcal{U}$. April–May.

graminea L.—*Bak. Irid.* 8; *Fl. d' It.* n. 786; *B. M.* t. 681.—Europe.— $\mathcal{U}$. April–May.

Gueldenstædtiana Lepech.—*Bak. Irid.* 14; *Ledeb. Fl. Ross.* iv. 98.—Orient, E. Europe.— $\mathcal{U}$.

hæmatophylla Fisch.—*Bak. Irid.* 9; *Lodd. B. C.* t. 1843.—Europe, N. Asia.— $\mathcal{U}$.

halophila Pall. = *Gueldenstædtiana*.

Haynei Bak. *Irid.* 19; *Gard. Chron.* 1904, i. 264.—Palestine.— $\mathcal{U}$.

hexagona Walt.—*Bak. Irid.* 13; *B. M.* t. 6787.—Texas to Florida.— $\mathcal{U}$.

Histrio Reichb. fil.—*Bak. Irid.* 42; *B. M.* t. 6033; *Gard. Chron.* 1897, i. 105.—Palestine.— $\mathcal{U}$.

Hookeri Penny.—*Bak. Irid.* 10.—*I. tripetala* Hook. in *B. M.* t. 2886.—Canada.— $\mathcal{U}$.

hungarica W. & K. = *aphylla* L.

hybrida Retz.—*Bak. Irid.* 36.—*I. amœna* DC. *Red. Lil.* t. 336.—Garden origin?— $\mathcal{U}$.

iberica Hoffm.—*Bak. Irid.* 19; *B. M.* t. 5847; *Fl. d. S.* 1963.—Caucasus, Persia.— $\mathcal{U}$.

IRIS (*continued*).

- italica* Parl.—*Fl. d'It.* n. 780 α , b .—Italy.— $\mathcal{U}$. April.
- japonica* Thunb.—*Bak. Irid.* 24.—*I. chinensis* Curt. *B. M.* t. 373.—*I. fimbriata* Vent. *Red. Lil.* t. 152.—Japan, N. China.— $\mathcal{U}$. April–June.
- juncea* Desf.—*Bak. Irid.* 41; *B. M.* t. 5890; *Fl. d'It.* n. 789.—Sicily, Tunis, Algeria, Morocco.— $\mathcal{U}$. April.
- Kämpferi* Sieb. = *lævigata* Fisch. & Mey.
- Korolkowi* Regel.—*Bak. Irid.* 21; *B. M.* t. 7025; *The Gard.* 1901, i. 443.—Turkestan.— $\mathcal{U}$.
- lævigata* Fisch. & Mey.—*Bak. Irid.* 13; *B. M.* t. 6132; *Fl. d. S.* t. 2073. 4.—E. Siberia, Japan.— $\mathcal{U}$.
- longipetala* Herb.—*Bak. Irid.* 10; *B. M.* t. 5298.—California.— $\mathcal{U}$.
- Lortetii* Barb.—*Bak. Irid.* 18; *B. M.* t. 7251.—Lebanon.— $\mathcal{U}$.
- lurida* Ait.—*Bak. Irid.* 34; *B. M.* t. 986.—S. E. Europe.— $\mathcal{U}$.
- lutescens* Lam.—*Bak. Irid.* 33; *B. M.* t. 2861; *Fl. d'It.* n. 779.—Asia Minor, Crete, S. France.— $\mathcal{U}$. March–April.
- Mariæ* Barb.—*Gartenfl.* 1893, 488. fig. 106.—Egypt.— $\mathcal{U}$.
- maritima* Mill. = *sibirica* L.
- mauritanica* Ker. = *juncea* Desf.
- Milesii* Forst.—*Bak. Irid.* 23; *B. M.* t. 6889.—N. W. Himalaya.— $\mathcal{U}$.
- missouriensis* Nutt.—*Bak. Irid.* 9.—Rocky Mountains.— $\mathcal{U}$. April.
- Monnierii* DC. in *Red. Lil.* t. 236; *Bak. Irid.* 15—Crete, Rhodes.— $\mathcal{U}$. May–June.
- monspur* Hort.—Garden origin.— $\mathcal{U}$.
- ochroleuca* L. = *orientalis* Mill.
- olbiensis* Henon.—*Bak. Irid.* 28; *B. M.* t. 6110.—N. Italy, S. France.— $\mathcal{U}$. March–April.
- orientalis* Mill.—*Bak. Irid.* 16; *B. M.* t. 61; *Red. Lil.* t. 350.—Asia Minor, Syria.— $\mathcal{U}$. May.
- pallida* Lam.—*Bak. Irid.* 38; *B. M.* t. 685; *Red. Lil.* t. 366; *Fl. d'It.* n. 776.—Europe, W. Asia.— $\mathcal{U}$. March–April.
- „ var. *foliis variegatis*.
- paradoxa* Stev.—*Bak. Irid.* 20; *B. M.* t. 7081.—Persia.— $\mathcal{U}$. March–April.
- plicata* Lam.—*Bak. Irid.* 39.—Garden origin.— $\mathcal{U}$.
- prismatica* Pursh.—*Bak. Irid.* 8; *B. M.* t. 1504.—N. America.— $\mathcal{U}$. March–April.

IRIS

- pumila** L.—*Bak. Irid.* 26 ; *B. M.* t. 9 ; *Red. Lil.* t. 261 ; *Fl. d'It.* n. 781.—S. Europe, Caucasus, Siberia.— $\mathcal{U}$.
 „ var. **cærulea** Spach.—*Bak. Irid.* 26 ; *B. M.* t. 1261.
 — $\mathcal{U}$.
Reichenbachiana Heuff.—*Bak. Irid.* 32.—Servia.— $\mathcal{U}$.
ruthenica Dryand.—*Bak. Irid.* 4 ; *B. M.* t. 1123, 1393.—E. Europe, N. Asia.— $\mathcal{U}$. March–April.
Sari Schott.—*Bak. Irid.* 18 ; *B. M.* t. 6960.—Asia Minor, Palestine.— $\mathcal{U}$.
sambucina L.—*Bak. Irid.* 36 ; *B. M.* t. 187.—Central Europe to Caucasus, Armenia.— $\mathcal{U}$.
setosa Pall.—*Bak. Irid.* 11 ; *B. M.* t. 2326.—N. E. Asia and N. W. America.— $\mathcal{U}$. March–April.
sibirica L.—*Bak. Irid.* 9 ; *Red. Lil.* t. 420 ; *Fl. d'It.* n. 784. Europe, N. Asia, Japan.— $\mathcal{U}$. March–April.
 „ var. **alba** Hort.
 „ var. **trigonocarpa** Bak. *Irid.* 9.—Japan.— $\mathcal{U}$.
sindjarensis Boiss. & Hausskn.—*Bak. Irid.* 47 ; *B. M.* t. 7145.—Mesopotamia.— $\mathcal{U}$.
Sisyrinchium L.—*Bak. Irid.* 43 ; *Red. Lil.* t. 29 ; *B. M.* t. 1407, 6096.—*Hort. Bot. Pan.* t. 34.—Mediterranean region, Orient.— $\mathcal{U}$. March–May.
sogdiana Bunge.—*Bak. Irid.* 14, as *I. Gueldenstædtiana* Lepech.—Orient.— $\mathcal{U}$.
songarica Schrenk.—*Bak. Irid.* 5.—Central Asia.— $\mathcal{U}$.
sordida Retz. = *spuria* L.
spuria L.—*Bak. Irid.* 14 ; *B. M.* t. 58 ; *Fl. d'It.* n. 785.—Algeria, Central and S. Europe, Orient.— $\mathcal{U}$.
 „ var. **dænenensis** Kotschy.—*Bak. Irid.* 15.—S. Persia.— $\mathcal{U}$.
 „ var. **subbarbata** Joo.—*Bak. Irid.* 15.—Transsylvania.— $\mathcal{U}$.
squalens L.—*Bak. Irid.* 36 ; *B. M.* t. 787.—Europe, Orient.— $\mathcal{U}$.
Statellæ Tod. *Hort. Bot. Pan.* t. 6 ; *B. M.* t. 6894 ; *Bak. Irid.* 33, as *Ir. lutescens* Lam. var. *Statellæ*.—Sicily.— $\mathcal{U}$.
stylosa Desf. = *unguicularis* Poir.
susiana L.—*Bak. Irid.* 17 ; *B. M.* t. 91 ; *Fl. d. S.* t. 1067–8.—Asia Minor, Persia.— $\mathcal{U}$. March–April.
Swertii Lam.—*Bak. Irid.* 39 ; *Red. Lil.* t. 306.—Garden origin ?— $\mathcal{U}$.

IRIS (*continued*).

tectorum Maxim.—Bak. *Irid.* 23; *B. M.* t. 6118; *Gard. Chron.* 1904, i. 355.—China, Japan.—4.

tenuifolia Pall.—Bak. *Irid.* 4.—Central Asia.—4.

tingitana Boiss. & Reut.—Bak. *Irid.* 40; *B. M.* t. 6775.—Morocco.—4. March–April.

trojana Kerner.—Bak. *Irid.* 13.—Asia Minor.—4.

ungicularis Poir.—Bak. *Irid.* 3.—*Iris stylosa* Desf. *Fl. Atl.* i. 40. t. 5; *B. M.* t. 5773.—Algeria.—4. March–April.

„ var. **alba** Hort.—4.

variegata L.—Bak. *Irid.* 34; *B. M.* t. 16; *Red. Lil.* t. 292; *Fl. d'It.* n. 778.—S. E. Europe.—4.

verna L.—Lodd. *B. C.* t. 1855; *Bak. Irid.* 16; *B. M.* t. 8159.—United States.—4.

versicolor L.—Bak. *Irid.* 12; *B. M.* t. 21; *Red. Lil.* t. 339.—N. America.—4.

virescens DC. in *Red. Lil.* t. 295; *Bak. Irid.* 32.—Europe.—4.

xiphioides Ehrh.—Bak. *Irid.* 40; *B. M.* t. 687; *Red. Lil.* t. 212.—S. France, Spain.—The “English Iris” of the gardens.—4. April–May.

Xiphium L.—Bak. *Irid.* 39; *B. M.* t. 656; *Red. Lil.* t. 337.—Western Mediterranean region.—The “Spanish Iris” of the gardens.—4. April–May.

Isoloma Benth. = *Kohleria*.

ISOMERIS Nutt.—*N. Pff.* iii. 2. 223.—Capparidaceæ–Cleomideæ.
arborea Nutt.—*B. M.* t. 3842.—California.—½. All the year.

ISOPLEXIS Lindl.—*N. Pff.* iv. 3b. 89, under *Digitalis* L.—Scrophulariaceæ–Rhinanthoideæ–Digitaleæ.

canariensis Lindl.—DC. x. 449; *B. M.* t. 48.—Canaries.—½. March–June.

ISOPOGON R. Br.—*N. Pff.* iii. 1. 133.—Proteaceæ–Persoonioideæ–Proteeæ.

formosus R. Br.—DC. xiv. 278; *Fl. Austr.* v. 349.—W. Australia.—½. May–June.

IXIA L.—*N. Pff.* ii. 5. 154.—Iridaceæ–Ixioidæ–Ixieæ.

linearis Thunb.—Bak. *Irid.* 165; *Fl. Cap.* vi. 83; *B. M.* t. 570.—S. Africa.—4. April–May.

maculata L.—Bak. *Irid.* 163; *Fl. Cap.* vi. 81; *B. M.* t. 539; *Jacq. H. Sch.* t. 21; S. Africa.—4. April–May.

IXIA (*continued*).

- paniculata** *Delaroche*.—*Bak. Irid.* 166; *Fl. Cap.* vi. 85; *B. M.* t. 256; *Red. Lil.* t. 34.—S. Africa.— $\mathcal{U}$. May.
patens *Ait.*—*Bak. Irid.* 163; *Fl. Cap.* vi. 80; *B. M.* t. 522; *Red. Lil.* t. 30 and 140.—S. Africa.— $\mathcal{U}$. May.

IXIOLIRION *Fisch.*—*N. Pff.* ii. 5. 110.—Amaryllidaceæ—Amaryllideæ—Ixiolirinæ.

- tataricum** *Herb.*—*Bak. Am.* 132.—Altai, Soongaria.— $\mathcal{U}$. May.

 $\dagger$ **JACARANDA** *Juss.*—*N. Pff.* iv. 3b. 233.—Bignoniaceæ—Tecomeæ.

- ovalifolia** *R. Br.* in *B. M.* t. 2327.—*J. mimosæfolia* *Don. DC.* ix. 229; *Gard. Chron.* 1904, ii. 224.—Brazil.— $\mathcal{U}$. July–August.

JACOBINIA *Moric.*—*N. Pff.* iv. 3b. 351.—Acanthaceæ—Acanthoideæ—Imbricatæ—Justicieæ.

- magnifica** *Lindau*—*N. Pff. l. c.* 351; *DC.* xi. 328, as *Cyrtanthera magnifica* *Nees*.—Brazil.— $\mathcal{U}$. August–September.
 „ var. **minor** *Nees*.—*DC.* xi. 329; *B. M.* t. 3383, as *Justicia carnea* *Hook.*—Organ Mountains.— $\mathcal{U}$. August–September.

- Mohintli** *Hemsl.*—*N. Pff. l. c.* 351; *DC.* xi. 361, sub *Serico-graphis*.—Mexico.— $\mathcal{U}$. July–August.

- pauciflora** *Benth. & Hook. fil. Gen. Pl.* ii. 115.—*Libonia floribunda* *C. Koch, Nich. Dict.*—Brazil.— $\mathcal{U}$. December–April.

- penrhosiensis** *Hort.*—*Libonia p.* *Hort. Nich. Dict. Gard.*—Garden origin.— $\mathcal{U}$. December–April.

 $\dagger$ **JANUSIA** *Juss.*—*N. Pff.* iii. 4. 65.—Malpighiaceæ—Pyramidotæ—Banisterieæ—Banisteriinaæ.

- prolixa** *Arech. Ann. Mus. Montev.* iii. 186.—Uruguay.— $\mathcal{U}$ §.

 $\dagger$ **JASMINUM** *L.*—*N. Pff.* iv. 2. 15.—Oleaceæ—Jasminoideæ—Jasmineæ.

- azoricum** *L.*—*DC.* viii. 311; *B. M.* t. 1889.—Azores, Madeira.— $\mathcal{U}$ §.—May.

- floridum** *Bunge.*—*DC.* viii. 313; *Nich. Dict. Gard.* iii. 207; *B. M.* t. 6719.—China.— $\mathcal{U}$.

- fruticans** *L.*—*DC.* viii. 313; *B. M.* t. 461; *Bicknell, Pl. Riv.* t. 37; *Fl. d'It.* n. 2724.—Mediterranean region.— $\mathcal{U}$. April–June.

JASMINUM (*continued*).

gracillimum Hook. *fil.*—*B. M.* t. 6559.—N. Borneo.— $\frac{1}{2}$.
Summer.

grandiflorum L.—*DC.* viii. 313; *Brand. For. Fl.* 313;
Fl. Brit. Ind. iii. 603; *Wight, Ic.* t. 1257.—Himalaya.— $\frac{1}{2}$ §. June–November.

heterophyllum Roxb.—*DC.* viii. 312; *Fl. Brit. Ind.* iii. 601;
Ref. Bot. t. 156.—Nepal.— $\frac{1}{2}$. June–August.

humile L.—*DC.* viii. 313; *Fl. Brit. Ind.* iii. 602.—*J. revolutum*
Sims, *B. M.* t. 1731; *Lodd. B. C.* t. 966; *DC.* viii. 312;
Wight, Ic. t. 1258.—Himalaya, Ceylon.— $\frac{1}{2}$. April–June.

nitidum Skan, *Kew Bull.* 1898, 225; *The Garden*, 1903, 1. 61.
—Admiralty Islands.— $\frac{1}{2}$.

nudiflorum Lindl.—*B. M.* t. 4649; *Fl. d. S.* t. 762.—China.
— $\frac{1}{2}$. January.

odoratissimum L.—*DC.* viii. 312; *B. M.* t. 285.—Canaries,
Madeira.— $\frac{1}{2}$. October–May.

officinale L.—*DC.* viii. 313; *Fl. Brit. Ind.* iii. 603; *B. M.* t.
31; *Fl. d'It.* n. 2723.—Kashmir, Afghanistan, Persia.— $\frac{1}{2}$ §.
June–November.

primulinum Hemsley, *Kew Bull.* 1895, 109; *B. M.* t. 7981;
Gard. Chron. 1903, 1. 197.—China.— $\frac{1}{2}$. December–April.
revolutum Sims = *humile*.

Sambac Ait.—*DC.* viii. 301; *Wight, Ic.* t. 704; *Lodd. B. C.*
t. 1922; *B. M.* t. 1785; *Fl. Brit. Ind.* iii. 591.—India,
Burma, Ceylon.— $\frac{1}{2}$. Spring–autumn.

simplicifolium Forst.—*Fl. Austr.* iv. 296; *B. M.* t. 890.—
Australia, Pacific Islands.— $\frac{1}{2}$ §. Spring.

sinense Hemsley, *Journ. Linn. Soc.* xxvi. 1890, 80.—China.— $\frac{1}{2}$.

suavissimum Lindl.—*Fl. Austr.* iv. 227.—Queensland,
N. S. Wales.— $\frac{1}{2}$.

Wallichianum Lindl. = *humile*.

JATROPHA L.—*N. Pff.* iii. 5. 74.—Euphorbiaceæ–Jatropheæ–
Jatrophinæ.

spathulata Müll. Arg.—*DC.* xv. 2. 1081; *Pax in R. V. C.*
iv. 147. 81. fig. 31.—Mexico— $\frac{1}{2}$.

JOHRENIA DC.—*N. Pff.* iii. 8. 226.—Umbelliferæ–Apioidæ–
Peucedaneæ–Ferulinæ.

fungosa Boiss.—*N. Pff. l.c.*; *Boiss. Fl. Or.* ii. 1011.—Syria,
Asia Minor.— $\oplus$.

‡**JUBÆA** *H. B. K.*—*N. Pff.* ii. 3. 82.—*Palmae-Ceroxylinæ-Cocoinæ-Attaleæ.*

spectabilis *H. B. K.*—*Kunth, En.* iii. 293; *Gard. Chron.* 1895, 2. 516.—*Chili.*— $\frac{1}{2}$.

JUGLANS *L.*—*N. Pff.* iii. 1. 24.—*Juglandaceæ.*

regia *L.*—*DC.* xvi. 2. 135; *Fl. d'It.* n. 866.—*Orient.*— $\frac{1}{2}$. *March.*

‡**JUNIPERUS** *L.*—*N. Pff.* ii. 1. 101, *Nachtr.* i. 25.—*Pinaceæ-Cupressinæ-Juniperinæ.*

bermudiana *L.*—*DC.* xvi. 2. 490.—*Bermuda Islands, &c.*— $\frac{1}{2}$.

Cedrus *Webb.*—*DC.* xvi. 2. 478.—*Canaries.*— $\frac{1}{2}$.

chinensis *L.*—*DC.* xvi. 2. 487; *Sieb. Fl. Jap.* t. 126, 127.—*China, Japan.*— $\frac{1}{2}$.

drupacea *Labill.*—*DC.* xvi. 2. 476; *Labill. Ic. Pl. Syr.* 18.—*Syria, Asia Minor.*— $\frac{1}{2}$. *March.*

excelsa *M. B.*—*DC.* xvi. 2. 484; *Brandis, For. Fl.* 538, t. 68.—*From Asia Minor to N.W. Himalaya, &c.*— $\frac{1}{2}$. *March-April.*

fragrans *Knight.*—*DC.* xvi. 2. 492 (name only!)— $\frac{1}{2}$.

macrocarpa *Sibth.*—*DC.* xvi. 2. 476.—*Southern Mediterranean region.*— $\frac{1}{2}$.

**Oxycedrus* *L.*—*DC.* xvi. 2. 477; *Fl. d'It.* n. 95.—*Mediterranean region.*— $\frac{1}{2}$. *December-April.*

pachyphlæa *Torr.*—*DC.* xvi. 2. 490.—*New Mexico.*— $\frac{1}{2}$.

**phœnicea* *L.*—*DC.* xvi. 2. 486; *Moggr.* t. 65; *Fl. d'It.* n. 97.—*Mediterranean region.*— $\frac{1}{2}$. *March-April.*

procera *Hochst.*—*DC.* xvi. 2. 485.—*Abyssinia.*— $\frac{1}{2}$.

recurva *Ham.*—*DC.* xvi. 2. 481; *Brandis, For. Fl.* 536.—*Northern India.*— $\frac{1}{2}$.

rigida *Sieb. & Zucc.*—*DC.* xvi. 2. 480; *Sieb. Fl. Jap.* t. 125.—*Japan.*— $\frac{1}{2}$. *March-April.*

Sabina *L.*—*DC.* xvi. 2. 483; *Fl. d'It.* n. 98.—*Central and S. Europe.*— $\frac{1}{2}$. *April.*

thurifera *L.*—*DC.* xvi. 2. 487; *Fl. Hisp.* i. 22.—*Spain, Portugal.*— $\frac{1}{2}$.

virginiana *L.*—*DC.* xvi. 2. 488; *Fl. d'It.* n. 90.—*N. America.*— $\frac{1}{2}$. *March-April.*

JURINEA *Cass.*—*N. Pff.* iv. 5. 321.—*Compositæ-Cynareæ-Carduinæ.*

alata *Cass.*—*DC.* vi. 675.—*Caucasus.*— $\frac{1}{4}$.

polyclonos *DC.* vi. 675.—*Russia, Central Asia.*— $\frac{1}{4}$.

JUSTICIA *L.*—*N. Pff.* iv. 3 b. 346.—Acanthaceæ—Acanthoideæ—Imbricatæ—Justicieæ.

Adhatoda *L.*—*N. Pff.* l. c. 349; *B. M.* t. 861.—*Adhatoda Vasica* Nees, *DC.* xi. 387; *Fl. Brit. Ind.* iv. 540.—India, Malaya.—½. June–July.

hyssopifolia *L.*—*DC.* xi. 392.—Canaries.—½. June–July.

KADSURA *Juss.*—*N. Pff.* iii. 2. 18.—Magnoliaceæ—Schizandreæ.

japonica *Dun.*—*DC.* i. 83; *Kaempfer*, *Am.* 477; *Sieb. Fl. Jap.* t. 17.—Japan.—½ §. May.

† **KALANCHOË** *Adans.*—*N. Pff.* iii. 2 a. 34.—Crassulaceæ.

ægyptiaca *DC. Pl. Gr.* t. 64; *DC.* iii. 395.—Tropical Africa.—¼.

Baumii *Engl. & Gilg.*—*Bull. Herb. Boiss.* 1907, 895.—Tropical Africa.—¼. April–May.

Bentii *C. H. Wright* = *teretifolia* *A. Deff.*

brachycalyx *A. Rich.*—*Fl. Trop. Afr.* ii. 396.—Tropical Africa.—¼.

carnea *N. E. Br.*—*Gard. Chron.* xxv. 1886, 1. 298.—Tropical Africa.—¼.

Cassiopeia *Hort.*—Tropical Africa.—¼. April–May.

coccinea *Welw.*—*Fl. Trop. Afr.* ii. 395.—Tropical Africa.—¼.

crenata *Haw.*—*DC. Pl. Gr.* t. 176; *Fl. Cap.* ii. 379; *Fl. Trop. Afr.* ii. 394.—Tropical Africa.—¼.

Dyeri *N. E. Br.*—*Gard. Chron.* 1904, i. 354, 1906, i. 304; *B. M.* t. 7987.—Tropical E. Africa.—¼.

Elizæ *Berger* in *Monatsschrift. f. K.* 1903, 69.—*Cotyledon insignis* *N. E. Br.* t. 8036.—Tropical E. Africa.—¼. June.

flammea *Stapf.*—*Kew Bull.* 1897, 266; *B. M.* t. 7595.—Somaliland.—¼. May–June.

glaucescens *Britten.*—*Fl. Trop. Afr.* ii. 393; *Bull. Herb. Boiss.* 1908, 27.—Tropical Africa.—¼.

grandiflora *W. & A.*—*Fl. Brit. Ind.* ii. 415; *B. M.* t. 5460.—India.—¼.

kewensis *Dyer.*—*Bull. Herb. Boiss.* 1908, 38 = *K. flammea* × *teretifolia*.—Garden hybrid.—¼.

Kirkii *N. E. Br.* = *velutina* *Welw.*

marmorata *Bak.*—*Bull. Herb. Boiss.* 1896, 198, 1908, 28; *B. M.* t. 7333.—Eritrea, Abyssinia, Somaliland.—¼. January–June.

rosea *C. B. Cl.*—*Journ. Linn. Soc.* xxv. 21. t. 8.—India.—¼.

KALANCHOË (*continued*).

rotundifolia Haw.—*Fl. Cap.* ii. 379; *Bull. Herb. Boiss.* 1907, 895.—S. Africa.— $\frac{1}{2}$. April–May.

„ var. **dentata** Berger.— $\frac{1}{2}$.

Schimperia A. Rich.—*Fl. Trop. Afr.* ii. 391; *Bull. Herb. Boiss.* 1896, 198, 1908, 38.—Eritrea, Abyssinia, Gallaland.— $\frac{1}{2}$. April–May.

somaliensis Hook. *fil.*—*B. M.* t. 7831.—Somaliland.— $\frac{1}{2}$.

teretifolia Defters.—*Bull. Herb. Boiss.* 1907, 885.—*K. Bentii* C. H. Wright in *B. M.* t. 7765.—S. Arabia.— $\frac{1}{2}$

thyrsiflora Harv.—*Fl. Cap.* ii. 380; *B. M.* t. 7778; *Bull. Herb. Boiss.* 1907, 894.—S. Africa.— $\frac{1}{2}$. April–May.

velutina Welw.—*Fl. Trop. Afr.* ii. 396; *Bull. Herb. Boiss.* 1908, 36.—*K. Kirkii* N. E. Br. in *B. M.* t. 7871.—Tropical Africa.— $\frac{1}{2}$.

Welwitschii Britten.—*Fl. Trop. Afr.* ii. 394.—Tropical Africa.— $\frac{1}{2}$.

KARATAS Plum.—*N. Pff.* ii. 4. 44.—Bromeliaceæ—Bromeliæ.

Carolinæ Ant.—*Bak. Brom.* 9; *B. M.* t. 5502.—S. Brazil.— $\frac{1}{2}$.

cruenta  *Bak. Brom.* 10; *B. M.* t. 2892.—Brazil.— $\frac{1}{2}$.

rutilans *Bak. Brom.* 9.—S. Brazil.— $\frac{1}{2}$.

spectabilis Ant.—*Bak. Brom.* 11; *B. M.* t. 6024.—Central Brazil.— $\frac{1}{2}$.

KEDROSTIS Medic.—*N. Pff.* iv. 5. 17.—Cucurbitaceæ—Melothriæ—Anguriinæ.

africana Cogn.—*DC. Monogr. Phan.* iii. 463.—S. Africa.— $\frac{1}{2}$ §.

KENNEDYA Vent.—*N. Pff.* iii. 3. 361.—Leguminosæ—Papilionatæ—Phaseoleæ—Glycininæ.

Marryattæ Lindl. = *prostrata* R. Br.

nigricans Lindl.—*Fl. Austr.* ii. 249; *B. M.* t. 3652.—W. Australia.— $\frac{1}{2}$ §. April–June.

prostrata R. Br.—*Fl. Austr.* ii. 250; *B. M.* t. 270.—Australia.— $\frac{1}{2}$ §. April–June.

rubicunda Vent.—*Fl. Austr.* ii. 249.—Queensland, N. S. Wales.— $\frac{1}{2}$ §. April–June.

‡ **KENTIA** Bl.—*N. Pff.* ii. 3. 73.—Palmæ—Ceroxylinæ—Arecinæ—Areceæ.

Baueri Endl.—*B. M.* t. 5735.—Norfolk Island.— $\frac{1}{2}$.

Belmoreana F. Müll. = *Howea Belmoreana*.

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KENTIA (*continued*).

Canterburyana F. Müll.—*Fl. Austr.* vii. 138.—Lord Howe's Island.— $\frac{1}{2}$.

Forsteriana F. Müll. = *Howea Forsteriana*.

sapida Mart.—*Hdb. Fl. N. Zeald.* 288; *B. M.* t. 5139.—New Zealand.— $\frac{1}{2}$.

KERRIA DC.—*N. Pff.* iii. 3. 28.—Rosaceæ—Rosoideæ—Kerrieæ.
japonica DC. ii. 541; *B. M.* t. 1296; *Sieb. & Zucc. Fl. Jap.* 98.—Japan.— $\frac{1}{2}$. March–May.

† **KETELEERIA** Carr.—*N. Pff. Nachtr.* 23.—Pinaceæ—Abietineæ.
Fortunei Carr.—DC. xvi. 2. 431, as *Pinus*.—S.E. China.— $\frac{1}{2}$.

† **KIGELIA** DC.—*N. Pff.* iv. 3b. 249.—Bignoniaceæ—Crescentieæ.
æthiopica Decne.—*N. Pff. l. c.*—Tropical E. Africa.— $\frac{1}{2}$.

KIGGELARIA L.—*N. Pff.* iii. 6a. 25.—Flacourtiaceæ—Pangieæ.
africana L.—DC. i. 225; *Bossche, Ic. Sel.* iii. t. 92.—S. Africa.— $\frac{1}{2}$. June.

KITAIBELIA W.—*N. Pff.* iii. 6. 35.—Malvaceæ—Malopeæ.
vitifolia W.—DC. i. 436; *B. M.* t. 821.—S. Europe.— $\frac{1}{4}$.

† **KLEINIA** L.—*N. Pff.* iv. 5. 301, under *Senecio*.—Compositæ—Senecioneæ—Senecioninæ.

acaulis DC. vi. 339; *Fl. Cap.* iii. 319; *Berger, Stap. & Kl.* 392.—S. Africa.— $\frac{1}{4}$. April.

„ var. **Ecklonis** DC. *l. c.*— $\frac{1}{4}$. April.

amanensis *Berger, Stap. & Kl.* 384; *Notizbl. Berl. Bot. Gart.* iv. 181, fig.—Tropical E. Africa.— $\frac{1}{4}$. July.

Anteuphorbium DC. vi. 338; *B. M.* t. 6099; *Berger, Stap. & Kl.* 400.—S. Africa?, Morocco.— $\frac{1}{2}$. November.

articulata Haw.—DC. vi. 339; *Fl. Cap.* iii. 319; *Bossche, Ic. Sel.* t. 108; *Berger, Stap. & Kl.* 395.—S. Africa.— $\frac{1}{4}$. November–January.

cylindrica *Berger, Stap. & Kl.* 389.—S. Africa.— $\frac{1}{2}$. November.

ficoides Haw.—DC. vi. 337; *Fl. Cap.* iii. 316; *Berger, Stap. & Kl.* 388.—S. Africa.— $\frac{1}{4}$ $\frac{1}{2}$. November.

fulgens Hook. *fil.*—*B. M.* t. 5590; *Berger, Stap. & Kl.* 383.—Natal.— $\frac{1}{4}$. December.

Galpini Hook. *fil.*—*B. M.* t. 7239; *Berger, Stap. & Kl.* 386.—Transvaal.— $\frac{1}{4}$. October–January.

KLEINIA (*continued*).

Grantii Hook. *fil.*—*B. M.* t. 6791; *Berger, Stap. & Kl.* 381; *Fl. Trop. Afr.* iii. 407.—*Trop. E. Africa.*— $\frac{1}{4}$. November–January.

Hanburyana *Berger, Stap. & Kl.* 391.—*Senecio H.* Dinter in *Gard. Chron.* 1898, i. 354.—*S. Africa?*— $\frac{1}{4}$. November–December.

Haworthii DC. = *tomentosa*.

Mandaliscæ Tineo.—*Berger, Stap. & Kl.* 387.—*S. Africa?*— $\frac{1}{4}$. November.

neriifolia Haw.—DC. vi. 338; *Berger, Stap. & Kl.* 401; DC. *Pl. Gr.* t. 12.—*Canaries.*— $\frac{1}{2}$. October–December.

nyikensis Baker in *Kew Bull.* 1897, 271.—*British Central Africa.*— $\frac{1}{4}$ $\frac{1}{2}$. December.

odora DC. vi. 339; *Berger, Stap. & Kl.* 400.—*S. Arabia.*— $\frac{1}{2}$. November.

pendula DC. vi. 339; *B. M.* t. 7659; *Berger, Stap. & Kl.* 396, fig. 78.—*S. Arabia, Abyssinia, Somaliland.*— $\frac{1}{4}$. September–October.

pteroneura DC. = *Anteuphorbium*.

radicans Haw.—DC. vi. 337; *Fl. Cap.* iii. 317; *Berger, Stap. & Kl.* 393.—*S. Africa.*— $\frac{1}{4}$. July–September.

repens Haw.—DC. vi. 337; *Fl. Cap.* iii. 317; DC. *Pl. Gr.* t. 42; *Berger, Stap. & Kl.* 387.—*S. Africa.*— $\frac{1}{4}$. November–March.

semperviva DC. vi. 339; *Berger, Stap. & Kl.* 381.—*S. Arabia.*— $\frac{1}{4}$. November.

tomentosa Haw.—*Berger, Stap. & Kl.* 390.—*K. Haworthii* DC. vi. 338; *Fl. Cap.* iii. 318.—*S. Africa.*— $\frac{1}{4}$. July.

KNIGHTIA *R. Br.*—*N. Pff.* iii. 1. 150.—*Proteaceæ*—*Grevilloideæ*—*Embothriæ*.

excelsa *R. Br.*—*Hdb. Fl. N. Zeald.* 241; *N. Pff.* l. c. 150, fig. 102.—*New Zealand.*— $\frac{1}{2}$.

‡ **KNIPHOFIA** *Moench.*—*N. Pff.* ii. 5. 42.—*Liliaceæ*—*Asphodeloideæ*—*Aloineæ*—*Kniphofinæ*.

Burchellii Kunth, *En.* iv. 552; *Fl. Cap.* vi. 284; *Berger, Al.* (*R. V. C.* iv. 38. 3^a), 63.—*S. Africa.*— $\frac{1}{4}$. Summer.

caulescens Bak.—*B. M.* t. 5946; *Fl. Cap.* vi. 284; *Berger, Al.* 65.—*S. Africa.*— $\frac{1}{2}$. Summer.

Chloris Hort.—*Berger, Al.* 67.—*Garden hybrid.*— $\frac{1}{4}$. Summer.

corallina Hort.—*Berger, Al.* 67.—*Garden hybrid.*— $\frac{1}{4}$. August.

foliosa Hochst.—*Fl. Trop. Afr.* vii. 453; *Berger, Al.* 55; *B. M.* t. 6742.—*Abyssinia.*— $\frac{1}{4}$.

KNIPHOFIA (*continued*).

kewensis Hort.—Berger, *Al.* 329.—Garden hybrid.—4.
Summer.

Macowanii Bak.—*Fl. Cap.* vi. 280; Berger, *Al.* 54; *B. M.* t. 6167.—S. Africa.—4. August.

natalensis Bak.—*Fl. Cap.* vi. 281; Berger, *Al.* 50.—Natal.
—4. September.

Nelsonii Mast.—*Fl. Cap.* vi. 280; Berger, *Al.* 53.—Orange
River Colony.—4. September–October.

Northiæ Bak.—*Fl. Cap.* vi. 284; *B. M.* t. 7412; Berger, *Al.*
65.—S. Africa.—4.

pauciflora Bak.—*Fl. Cap.* vi. 41; *B. M.* t. 7269; Berger, *Al.*
41.—Natal.—4. May–June.

Phœbus Hort.—Berger, *Al.* 69.—Garden hybrid.—4.
Summer.

primulina Bak.—*Fl. Cap.* vi. 533; Berger, *Al.* 60; *The
Garden*, 1898, i. 496.—Natal.—4. December.

Rooperi Lem.—*Fl. Cap.* vi. 283; *B. M.* t. 6116; Berger, *Al.*
62.—S. Africa.—4.

rufa Bak.—*B. M.* t. 7706; Berger, *Al.* 56.—Natal.—4. May–
October.

sarmentosa Kunth, *En.* iv. 552; *Fl. Cap.* vi. 282; Berger,
Al. 62; *B. M.* t. 744; *Red. Lil.* t. 161.—Transvaal.—4.

Tuckii Bak.—*Fl. Cap.* vi. 278; Berger, *Al.* 56; *B. M.* t. 7644;
The Garden, 1900, ii. 232.—S. Africa.—4. May.

Uvaria Hook.—*B. M.* t. 4816; *Fl. Cap.* vi. 283; Berger, *Al.*
61.—S. Africa.—4. June–September.

„ var. **maxima** Bak.—*B. M.* t. 6553; *Fl. Cap.* vi. 283;
Berger, *Al.* 61.—*K. grandis*, *grandiflora* Hort.—
Orange River Colony.—4. August.

„ var. **nobilis** Bak.—*Fl. Cap.* vi. 283; Berger, *Al.* 62.
S. Africa.—4. August.

„ var. **præcox** Bak.—*Ref. Bot.* t. 169; Berger, *Al.* 62.—
K. Saundersii Hort.—Orange River Colony.—4.

KOCHIA Roth.—*N. Pff.* iii. 1a. 70.—Chenopodiaceæ–Cyclolobeæ
–Camphorosmeæ.

brevifolia R. Br.—*DC.* xiii. 2. 131; *Fl. Austr.* v. 185.—
Australia.—4.

KÆLREUTERIA Scop.—*N. Pff.* iii. 5. 352.—Sapindaceæ–
Kœlreuteriæ.

paniculata Laxm.—*DC.* i. 616; *Schneider, Hdb. Laubh.* ii.
255.—N. China.—4. July.

- KOHLERIA** *Reg.*—*N. Pff.* iv. 3b. 177.—Gesneriaceæ—Gesnerioideæ—Kohlerieæ.
hirsuta *Reg.*—*N. Pff.* l. c.—*Isoloma hirsuta* H. B. K.—Colombia, Venezuela.— $\mathcal{U}$. Spring.
- KUHNIA** *L.*—*N. Pff.* iv. 5. 142.—Compositæ—Eupatorieæ—Adenostylinæ.
rosmarinifolia *Vent.*—*DC.* v. 126.—Arizona to Mexico.— $\mathcal{h}$.
- KUNDMANNIA** *Scop.*—*N. Pff.* iii. 8. 209.—Umbelliferæ—Apioidæ—Ammineæ—Seselinæ.
sicula *DC.* iv. 143; *Fl. d'It.* n. 2316.—From Algeria to Crete and Samos.— $\mathcal{U}$. May–June.
- KUNZEA** *Rchb.*—*N. Pff.* iii. 7. 94.—Myrtaceæ—Leptospermoideæ—Leptospermæ—Leptosperminæ.
ericifolia *Rchb.*—*DC.* iii. 225; *Fl. Austr.* iii. 113.—W. Australia.— $\mathcal{h}$.
peduncularis *F. Müll.*—*Fl. Austr.* iii. 115; *N. Pff.* l. c. 95, fig. 44.—Victoria, N. S. Wales.— $\mathcal{h}$.
- ‡**LABURNOCYTISUS** *Schneider, Hdb. Laubh.* ii. 40.—Leguminosæ—Papilionatæ—Genistæ—Spartiinæ.
Adami *Schneider, l. c.*—*Cytisus Adami* Poiteau, *Gard. Chron.* 1904, ii. 218–219. figs. 86 and 88.—Garden origin.— $\mathcal{h}$.
- LABURNUM** *Gris.*—*N. Pff.* iii. 3. 236.—Leguminosæ—Papilionatæ—Genistæ—Spartiinæ.
anagyroides *Medic.*—*Schneider, Hdb. Laubh.* ii. 40.—*L. vulgare* *Gris.*—*Cytisus Laburnum* L. B. M. t. 176; *DC.* ii. 153; *Fl. d'It.* n. 1869.—Europe.— $\mathcal{h}$. April–May.
- LACHENALIA** *Jacq.*—*N. Pff.* ii. 5. 69.—Liliaceæ—Lilioideæ—Scilleæ.
orchiodes *Ait.*—*Kunth, En.* iv. 284; *Fl. Cap.* vi. 426; B. M. t. 854 and 1269; *Ref. Bot.* t. 171.—S. Africa.— $\mathcal{U}$. December–January.
pendula *Ait.*—*Kunth, En.* iv. 291; *Fl. Cap.* vi. 423; B. M. t. 590.—Cape.— $\mathcal{U}$. December–January.
pustulata *Jacq.*—*Kunth, En.* iv. 287; *Fl. Cap.* vi. 429; B. M. t. 817.—Cape.— $\mathcal{U}$. February–April.
tricolor *Thunb.*—*Kunth, En.* iv. 290; *Fl. Cap.* vi. 424; B. M. t. 82; *Red. Lil.* t. 2; *Lodd. B. C.* t. 767.—Cape.— $\mathcal{U}$. December–January.

LACTUCA *L.*—*N. Pff.* iv. 5. 371.—Compositæ—Cichorieæ—Crepidinæ.

perennis *L.*—*DC.* vii. 133; *B. M.* t. 2130; *Fl. d'It.* n. 3877.—S. and Central Europe.— $\mathcal{U}$. May.

sativa *L.*—*DC.* vii. 138.—Origin uncertain.—(Cos lettuce, Laitue romaine.)— $\odot$.

„ var. **capitata** *L.*—*DC.* vii. 138.—Origin unknown.—(Cabbage lettuce, Laitue pommée.)— $\odot$.

‡**LÆLIA** *Lindl.*—*N. Pff.* ii. 6. 147.—Orchidaceæ—Monandraræ—Læliinæ—Cattleyeæ.

anceps *Lindl.*—*B. M.* t. 3804; *Gard. Chron.* 1894, i. 172.—Mexico.— $\mathcal{U}$. December–January.

autumnalis *Lindl.*—*B. M.* t. 3817.—Mexico.— $\mathcal{U}$.

cinnabarina *Batem.*—*B. M.* t. 4302.—Brazil.— $\mathcal{U}$. March.

LAGENARIA *Ser.*—*N. Pff.* iv. 5. 29.—Cucurbitaceæ—Cucurbiteæ—Cucumerinæ.

vulgaris *Ser.*—*DC.* iii. 299.—Tropics.— $\odot$ §. Summer.

„ var. **clavata** *Ser.*

„ var. **clava-Herculis** *Hort.*

„ var. **Cougourda** *Ser.*

„ var. **depressa** *Ser.*

„ var. **Gourda** *Ser.*

„ var. **pelegrina** *Hort.*

„ var. **pyrotheca** *Hort.*

„ var. **Sipho** *Hort.*

„ var. **turbinata** *Ser.*

‡**LAGERSTRÆMIA** *L.*—*N. Pff.* iii. 7. 13.—Lythraceæ—Nesææ—Lagerstrœmiinæ.

indica *L.*—*DC.* iii. 93; *B. M.* t. 405; *Koehne, Lythr.* (*R. V. C.*), 259.—Japan, China, Cochin China to N. Australia.— $\mathfrak{h}$.

speciosa *Pers.*—*DC.* iii. 93; *Koehne, Lythr.* (*R. V. C.*), 261.—India, Indo-China, Sunda Islands to Queensland.— $\mathfrak{h}$.

‡**LAGETTA** *Juss.*—*N. Pff.* iii. 6a. 234.—Thymelæaceæ—Thymelæoidæ—Daphneæ—Lagettinæ.

linteria *Lam.*—*Fl. Brit. West Ind.* 279; *B. M.* t. 4502.—Jamaica.— $\mathfrak{h}$.

‡**LAGUNARIA** *G. Don.*—*N. Pff.* iii. 6. 47.—Malvaceæ—Hibisceæ.

Patersonii *G. Don.*—*DC.* i. 454; *B. M.* t. 769; *Fl. Austr.* i. 218.—Queensland, Norfolk and Howe's Islands.— $\mathfrak{h}$. June–August.

LANTANA *L.*—*N. Pff.* iv. 3a. 150.—Verbenaceæ—Verbenoideæ—Lantaneæ.

Camara *L.*—*DC.* xi. 598; *B. M. t.* 96.—S. America.—½. Spring-autumn.

crocea *Jacq. H. Sch.* t. 473; *DC.* xi. 599.—W. Indies.—½. Spring and summer.

lilacina *Desf.*—*DC.* xi. 604.—Brazil.—½. Spring-autumn.

nivea *Vent.* var. **mutabilis** *Hook.*—*DC.* xi. 596; *B. M. t.* 3110.—S. Brazil.—½. Spring and summer.

purpurea *Hornem.*—*DC.* xi. 597.—Tropical America.—½. October–November.

salviæfolia *Jacq. H. Sch.* iii. t. 285; *DC.* xi. 605.—S. Africa.—½. Summer-autumn.

Sellowiana *Link & Otto.*—*DC.* xi. 604; *B. M. t.* 2981.—S. Brazil.—½. Summer-spring.

tiliæfolia *Cham.*—*DC.* xi. 600.—S. America.—½.

trifolia *L.*—*DC.* xi. 606; *B. M. t.* 1449.—W. Indies, S. America.—½. Summer-autumn.

‡**LAPAGERIA** *Rz. & Pav.*—*N. Pff.* ii. 5. 87.—Liliaceæ—Luzuriagoideæ.

rosea *Rz. & Pav.*—*Kunth, En.* v. 284; *B. M. t.* 4447; *Fl. d. S.* t. 2059.—S. Chili.—½ §.

LAPEYROUSIA *Pourr.*—*N. Pff.* ii. 5. 157.—Iridaceæ—Ixioidæ—Watsoniæ.

corymbosa *Ker.* in *B. M. t.* 595; *Bak. Irid.* 169; *Fl. Cap.* vi. 90.—Cape.—¼. Spring.

cruenta *Bak. Irid.* 173; *Fl. Cap.* vi. 90; *Lodd. B. C.* t. 1857.—S. Africa.—¼.

‡**LARDIZABALA** *Rz. & Pav.*—*N. Pff.* iii. 2. 70.—Lardizabalaceæ.

biternata *Rz. & Pav.*—*DC.* i. 95; *B. M. t.* 4501.—Chili.—½ §. November–February.

LASERPITIUM *L.*—*N. Pff.* iii. 8. 246.—Umbelliferæ—Apioidæ—Laserpitieæ—Thapsiinaæ.

hispidum *Bieb.*—*DC.* iv. 206.—Caucasus.—¼.

Lasiandra macrantha *Lind. & Seem.* = *Tibouchina semidecandra* *Cogn.*

Latania borbonica *Hort.* = *Livistona chinensis* *Mart.*

‡**LATHRÆA** *L.*—*N. Pff.* iv. 3b. 131.—Orobanchaceæ.

clandestina *L.*—*DC.* xi. 49; *B. M. t.* 7106; *Fl. d'It.* n. 3060; *Gard. Chron.* 1904, i. 293.—S.W. Europe.—¼. April.

LATHYRUS L.—*N. Pff.* iii. 3. 352.—Leguminosæ—Papilionatæ—Vicieæ.

***Aphaca** L.—*DC.* ii. 372; *Fl. d'It.* n. 2121.—S. Europe, Orient.—☉ §. May–June.

***latifolius** L.—*DC.* ii. 370; *Bicknell, Fl. Riv.* t. 23.—S. Europe.—☿ §. June–July.

niger Bernh.—*DC.* ii. 378; *B. M.* t. 2261; *Fl. d'It.* n. 2145.—Europe.—☿ §. May–June.

***Ochrus** *DC.* ii. 375; *Fl. d'It.* n. 2123.—S. Europe.—☉ §. April–May.

odoratus L.—*DC.* ii. 374; *B. M.* t. 60; *Fl. d'It.* n. 2128.—S. Italy.—☉ §. April–May.

„ var. **nanus** Hort.—☉ §. November–December.

‡**LAURENTIA** Neck.—*N. Pff.* iv. 5. 69.—Campanulaceæ—Lobelioideæ.

tenella A. *DC.* vii. 410; *Fl. d'It.* n. 3467.—Southern Mediterranean region.—☿. Nearly always in flower.

‡**LAURUS** L.—*N. Pff.* iii. 2. 124.—Lauraceæ—Lauroideæ—Laureæ.

Camphora L. = *Cinnamomum Camphora*.

canariensis Webb.—*DC.* xv. 1. 233.—Canary Islands, Madeira.—☿. March–April.

glandulosa Hort. = *Cinnamomum Camphora*.

indica Thunb. = *Persea indica*.

maderensis Hort.—Madeira.—☿. March–April.

nobilis L.—*DC.* xv. 1. 233; *Fl. d'It.* n. 932.—Orient, Mediterranean region.—☿. March–April.

„ var. **latifolia** Ness. *DC.* xv. 1. 233.—☿.

sericea Willd. = *Persea sericea*.

‡**LAVANDULA** L.—*N. Pff.* iv. 3a. 228.—Labiatae—Lavanduloidæ.

abrotanoides Lam.—*DC.* xii. 146; *Ref. Bot.* t. 159.—Canary Islands.—☿. Nearly all the year.

dentata L.—*DC.* xii. 145; *B. M.* t. 401; *Fl. d'It.* n. 3094.—S. Europe, N. Africa.—☿. Spring.

lanata Boiss.—*DC.* xii. 146; *Ref. Bot.* t. 301.—Spain.—☿.

***latifolia** Vill.—*Fl. d'It.* n. 3096.—*L. Spica* *DC.* xii. 145.—Mediterranean region.—☿. July–August.

multifida L.—*DC.* xii. 147; *Fl. d'It.* n. 3097.—Western Mediterranean region.—☿. January–March.

LAVANDULA (*continued*).

Spica *L.*—*Fl. d'It.* n. 3095; *Schneider, Hdb. Laubh.* ii. 600.—*L. vera* DC. xii. 145.—Mediterranean region.— $\frac{1}{2}$. July–August.

Stœchas *L.*—DC. xii. 144; *Fl. d'It.* n. 3093.—Mediterranean region.— $\frac{1}{2}$. February–May.

vera DC. = *L. Spica* *L.*

LAVATERA *L.*—*N. Pff.* iii. 6. 39.—Malvaceæ—Malveæ—Malvinæ.

acerifolia *Cav.*—DC. i. 438; *B. M.* t. 7865.—Teneriffe.— $\frac{1}{2}$.

arborea *L.*—DC. i. 439; *Fl. d'It.* n. 2541.—Mediterranean region, Canaries.— $\frac{1}{2}$. April–June.

assurgentiflora *Kellogg, Proc. Cal. Ac.* 1859.—California.— $\frac{1}{2}$. April–May.

***maritima** *Gouan.*—DC. i. 439; *Fl. d'It.* n. 2547.—Mediterranean region.— $\frac{1}{2}$. October–May.

***Olbia** *L.*—DC. i. 438; *Fl. d'It.* n. 2543.—S. France, Liguria.— $\frac{1}{2}$. April–June.

„ var. **hispidula** *Desf.*—*Fl. d'It.* n. 2543 β ; *B. M.* t. 2541.—Algeria.— $\frac{1}{2}$. April–June.

***punctata** *All.*—DC. i. 439; *Fl. d'It.* n. 2546.—Mediterranean region.— $\odot$. May–September.

LECHEA *L.*—*N. Pff.* iii. 6. 306.—Cistaceæ.

minor *L.*—*Grosser, Cist. (R. V. C.)*, 135.—*L. thymifolia* Michx. DC. i. 285.—Atlantic N. America.— $\frac{1}{2}$.

†**LEICHTLINIA** *Ross, Ic. Pl. H. Pan.* 1896, i. 7.—Amaryllidaceæ—Agavoideæ.

protuberans *Ross, l.c.* 8. t. 3.—Mexico.— $\frac{1}{4}$.

†**LEONOTIS** *Pers.*—*N. Pff.* iv. 3 a. 246.—Labiatæ—Stachyoideæ—Lamiinæ.

dubia *E. Mey.*—DC. xii. 536; *Fl. Trop. Afr.* v. 493.—S. Africa, Tropical Africa.— $\frac{1}{2}$. December.

Leonurus *R. Br.*—DC. xii. 536; *Fl. Trop. Afr.* v. 492; *B. M.* t. 478; *Gard. Chron.* 1908, i. 139.—S. Africa, Tropical Africa.— $\frac{1}{2}$. September–December.

LEONTICE *L.*—*N. Pff.* iii. 2. 76.—Berberidaceæ.

Leontopetalum *L.*—DC. i. 109.—Orient, Greece.— $\frac{1}{4}$. March–April.

LEPIDIUM *L.*—*N. Pff.* iii. 2. 160.—Cruciferæ—Sinapeæ—Lepidiinæ.

suffruticosum *L.*—DC. i. 207; *W. & L. Fl. Hisp.* iii. 786.—Spain.— $\frac{1}{4}$. April.

LEPTODERMIS Wall.—*N. Pff.* iv. 4. 126.—Rubiaceæ—Coffeoidæ—Psychotriinæ—Pæderiæ.

lanceolata Wall.—*DC.* iv. 462; *Fl. Brit. Ind.* iii. 198.—Temperate Himalaya.—½. September–December.

‡**LEPTOSPERMUM** Forst.—*N. Pff.* iii. 7. 93.—Myrtaceæ—Leptospermoideæ—Leptospermeæ—Leptosperminæ.

baccatum Schau. = *scoparium* Forst.

lævigatum F. Müll.—*Fl. Austr.* iii. 103.—*Fabricia lævigata* Gaertn. *B. M.* t. 1304.—Australia.—½. April–May.

lanigerum Sm.—*DC.* iii. 227; *Fl. Austr.* iii. 106.—S. E. Australia, Tasmania.—½.

scoparium Forst.—*DC.* iii. 227; *Fl. Austr.* iii. 105; *B. M.* t. 3419.—Australia and New Zealand.—½. May–June.

‡**LEPTOSYNE** *DC.* v. 531; *N. Pff.* iv. 5. 243, as *Coreopsis*.—Compositæ—Heliantheæ—Coreopsidinæ.

gigantea Kellogg.—*Gard. Chron.* 1900, ii. 319.—California.—½. Spring.

maritima A. Gray.—*B. M.* t. 6241, as *Coreopsis maritima*.—California.—¼. Spring–summer.

Stillmannii A. Gray.—*Gard. Chron.* 1897, ii. 333.—California.—☉. Spring–summer.

‡**LEPTOTES** Lindl.—*N. Pff.* ii. 6. 148.—Orchidaceæ—Monandriæ—Læliinæ—Cattleyæ.

bicolor Lindl.—*B. M.* t. 3734.—Brazil.—¼. June.

‡**LEUCADENDRON** Herm.—*N. Pff.* iii. 1. 138.—Proteaceæ—Persoonioideæ—Proteæ.

argenteum R. Br.—*DC.* xiv. 213; *Gard. Chron.* 1906, i. 254; *Marloth, Kapland.* t. iv.—Cape.—½.

Globularia R. Br.—*DC.* xiv. 226.—Cape.—½.

Levisanus Berg.—*DC.* xiv. 216; *Bossche, Ic. Sel.* ii. t. 54.—Cape.—½. April.

plumosum R. Br.—*DC.* xiv. 213.—Cape.—½.

LEUCÆNA Benth.—*N. Pff.* iii. 3. 115.—Leguminosæ—Mimosoideæ—Eumimoseæ.

glauca Benth.—*Fl. Trop. Afr.* ii. 337.—Tropics.—½. Summer.

Leucanthemum *DC.* = *Chrysanthemum*.

† **LEUCHTENBERGIA** *Fisch. & Hook.*—*N. Pff.* iii. 6a. 192.—
Cactaceæ—Cereoideæ—Echinocactæ.

Principis *Fisch. & Hook.*—*K. Schum. Mon. Cact.* 470; *B. M.*
t. 4393.—Mexico.— $\mathcal{U}$. July–August.

LEUCOJUM *L.*—*N. Pff.* ii. 5. 105.—Amaryllidaceæ—Amaryllidoideæ—Amaryllideæ—Galanthinæ.

æstivum *L.*—*Bak. Am.* 19; *B. M.* t. 1210; *Red. Lil.* t. 135;
Fl. d'It. n. 745.—Central and S. Europe, Orient.— $\mathcal{U}$.
May.

hyemale *DC.*—*Bak. Am.* 20; *B. M.* t. 6711; *Moggr. Fl. Ment.* t. 21; *Bickn. Fl. Riv.* t. 70; *Fl. d'It.* n. 747.—From
Mentone to Nice.— $\mathcal{U}$. April.

vernum *L.*—*Bak. Am.* 19; *B. M.* t. 46; *Fl. d'It.* n. 746.—
Central Europe.— $\mathcal{U}$. February–March.

Leucophyta Brownii Cass. = *Calocephalus Brownii* F. Müll.

Leuzea DC. = *Centaurea*.

LEWISIA *Pursh.*—*N. Pff.* iii. 1b. 59.—Portulacaceæ.

rediviva *Pursh.*—*B. M.* t. 5395.—California.— $\mathcal{U}$.

LEYCESTERIA *Wall.*—*N. Pff.* iv. 4. 169.—Caprifoliaceæ—
Lonicereæ.

formosa *Wall.*—*DC.* iv. 338; *Brandis, For. Fl.* 256; *Fl. Brit. Ind.* iii. 16; *B. M.* t. 3099.—Temperate Himalaya.—
 $\mathcal{U}$. July–August.

LIBANOTIS *Crtz.*—*N. Pff.* iii. 8. 203, as *Seseli* *L.*—Umbelliferae—
Apiodeæ—Ammineæ—Seselinæ.

buchtormensis *DC.* iv. 149.—Siberia.— $\mathcal{U}$. June.

montana *All.*—*DC.* iv. 149; *Fl. d'It.* n. 2303.—Europe,
Temperate Asia.— $\mathcal{U}$. June.

LIBERTIA *Spreng.*—*N. Pff.* ii. 5. 149.—Iridaceæ—Iridoideæ—
Sisyrinchieæ—Libertinæ.

formosa *Grah.*—*Bak. Irid.* 116; *B. M.* t. 3294.—Chili.— $\mathcal{U}$.
June.

grandiflora *Sweet.*—*Bak. Irid.* 116.—New Zealand.— $\mathcal{U}$.

tricolor *Lem.*—*Nich. Dict. Suppl.* 488.—New Zealand.— $\mathcal{U}$.

LIBOCEDRUS *Don.*—*N. Pff.* ii. 1. 95, *Nachtr.* i. 25.—Pinaceæ—
Cupressineæ—Thujopsidinæ.

decurrens *Torr.*—*DC.* xvi. 2. 456.—*Thuja gigantea* Carr. (not
of Don).—N. California, Oregon.— $\mathcal{U}$. April.

Libonia C. Koch. = *Jacobinia*.

LIGULARIA Cass.—*N. Pff.* iv. 5. 301.—Compositæ—Senecioneæ—Senecioninæ.

Kæmpferi Sieb. & Zucc. *Fl. Jap.* i. 77, t. 35.—*DC.* vi. 363, as *Senecio*; *B. M.* t. 5302, as *Farfugium grande* Lindl.—Japan.— $\frac{1}{2}$. December.

LIGUSTRUM L. — *N. Pff.* iv. 2. 13. — Oleaceæ—Oleoideæ—Oleineæ.

compactum Hook. f. & Thoms.—*Brand. For. Fl.* 310; *Fl. Brit. Ind.* iii. 616; *Fl. d. S.* t. 11870.—*DC.* viii. 287, as *Olea*.—Temperate Himalaya.— $\frac{1}{2}$.

coriaceum Carr.—*B. M.* t. 7519.—Japan.— $\frac{1}{2}$. June.

Ibota Sieb.—*Nich. Dict.* 264.—Japan.— $\frac{1}{2}$. June.

japonicum Thunb.—*DC.* viii. 293; *Fl. d'It.* n. 2728.—Japan.— $\frac{1}{2}$. May–July.

lucidum Ait.—*DC.* viii. 293; *B. M.* t. 2565.—China.— $\frac{1}{2}$.

nepalense Wall.—*DC.* viii. 294; *Fl. Brit. Ind.* iii. 617.—Temperate Himalaya.— $\frac{1}{2}$. July.

ovalifolium Hassk.—*Nich. Dict.* 264.—Japan.— $\frac{1}{2}$.

Quihoui Carr.—*Nich. Dict.* 264.—China.— $\frac{1}{2}$. June–July.

Regelianum Koehne in *Mitt. Deutsch. Dendrol. Ges.* 1904, 70.—Japan.— $\frac{1}{2}$. May.

sinense Lour.—*DC.* viii. 294.—China.— $\frac{1}{2}$.

Stauntoni *DC.* viii. 294.—China.— $\frac{1}{2}$.

***vulgare** L.—*DC.* viii. 293; *Fl. d'It.* n. 2726.—Europe, Caucasus.— $\frac{1}{2}$. May–June.

Walkeri Decne.—*Fl. Brit. Ind.* iii. 614; *Gard. Chron.* 1898, ii. 282.—Ceylon. $\frac{1}{2}$.

LILIUM L.—*N. Pff.* ii. 5. 60.—Liliaceæ—Lilioideæ—Tulipeæ.

auratum Lindl.—*B. M.* t. 5338; *Gard. Chron.* 1909, ii. 274.—Japan.— $\frac{1}{4}$.

candidum L.—*Kunth, En.* iv. 266; *Fl. d'It.* n. 635; *B. M.* t. 278; *Red. Lil.* t. 199.—S. Europe, Orient.— $\frac{1}{4}$. June.

croceum Chaix.—*Kunth, En.* iv. 265; *Lodd. B. C.* t. 784.—S. Europe.— $\frac{1}{4}$.

Henryi Bak.—*B. M.* t. 7177.—China.— $\frac{1}{4}$.

longiflorum Thunb.—*Kunth, En.* iv. 266.—Japan.— $\frac{1}{4}$. June.

Martagon L.—*Kunth, En.* iv. 257; *B. M.* t. 893; *Fl. d'It.* n. 637.—Europe.— $\frac{1}{4}$. May.

speciosum Thunb.—*Kunth, En.* iv. 259; *Sieb. Fl. Jap.* i. t. 12–13; *B. M.* t. 3785.—Japan.— $\frac{1}{4}$.

LIMNANTHEMUM *S. G. Gmel.*—*N. Pff.* iv. 2. 107.—Gentianaceæ—Menyanthoideæ.

nymphoides *Hoffmgg. & Link.*—*DC.* ix. 138; *Fl. d'It.* n. 2773.—Europe, Asia.— $\mathcal{U}$. April–August.

‡**LIMONIASTRUM** *Moench.*—*N. Pff.* iv. 1. 125.—Plumbaginaceæ—Staticeæ.

Guyonianum *Dur.*—*DC.* xii. 689.—Algeria.— $\mathcal{U}$. July.

monopetalum *Boiss.*—*DC.* xii. 689.—Southern Mediterranean region.— $\mathcal{U}$. July.

LINARIA *Juss.*—*N. Pff.* iv. 3b. 59.—Scrophulariaceæ—Antirrhinoideæ—Antirrhineæ.

capraria *Moris.*—*DC.* x. 286; *Fl. d'It.* n. 2923.—Capraria Island.— $\mathcal{U}$.

**Cymbalaria* *Mill.*—*DC.* v. 266; *Fl. d'It.* n. 2900.—Europe, Mediterranean region.— $\mathcal{U}$. March–October.

dalmatica *Mill.*—*DC.* x. 275; *B. M.* t. 6424; *Fl. d'It.* n. 2919.—Eastern Mediterranean region.— $\mathcal{U}$. June–July.

genistifolia *Mill.*—*DC.* x. 275; *B. M.* t. 2183; *Fl. d'It.* n. 2920.—Europe, N. Asia.— $\mathcal{U}$. June–September.

maroccana *Hook. fil.* *B. M.* t. 5983.—Morocco.— $\odot$. Spring–summer.

pilosa *DC.*—*DC.* x. 267; *Fl. d'It.* n. 2903.—Sardinia, Sicily.— $\mathcal{U}$. March–May.

striata *DC.*—*DC.* x. 278.—W. and S. Europe.— $\mathcal{U}$. May–August.

LINDENBERGIA *Lehm.*—*N. Pff.* iv. 3b. 73.—Scrophulariaceæ—Antirrhinoideæ—Gratiolæ.

grandiflora *Benth.*—*DC.* x. 376; *Fl. Brit. Ind.* iv. 261; *Bossche, Ic. Sel.* t. 165; *B. M.* t. 7738; *Gard. Chron.* 1902, ii. 218.—Subtropical Himalaya.— $\mathcal{U}$.

LINUM *L.*—*N. Pff.* iii. 4. 30.—Linaceæ—Eulineæ.

flavum *L.*—*DC.* i. 426; *Hal. Consp. Fl. Gr.* i. 258; *Fl. d'It.* n. 2518; *B. M.* t. 312.—Greece, Orient.— $\mathcal{U}$. Spring.

grandiflorum *Desf.*—*DC.* i. 427; *B. M.* t. 4956.—Algeria.— $\odot$. March–May.

maritimum *L.*—*DC.* i. 424; *Hal. Consp. Fl. Gr.* i. 254; *Bicknell, Fl. Riv.* t. 9; *Fl. d'It.* n. 2513.—Mediterranean region.— $\mathcal{U}$. Spring–summer.

Muelleri *Moris, Fl. Sard.* iv. t. 23; *Fl. d'It.* n. 2414.—Sardinia.— $\mathcal{U}$.

LINUM (*continued*).

narbonense *L.*—*DC.* i. 426; *Moggr. Fl. Ment.* t. 55; *Fl. d'It.* n. 2510.—*S. Europe.*— $\mathcal{U}$. May–June.

***tenuifolium** *L.*—*DC.* i. 427; *Bicknell, Fl. Riv.* t. 10; *Fl. d'It.* n. 2512.—*Central and S. Europe, Asia Minor.*— $\mathcal{U}$. June–July.

trigynum *Roxb.* = *Reinwardtia trigyna* *Planch.*

†**LIPPIA** *L.*—*N. Pff.* iv. 3a. 151.—*Verbenaceæ–Verbenoideæ–Lantaneæ.*

asperifolia *Rich.*—*DC.* xi. 583; *Jacq. H. Sch.* t. 361.—*S. America, S. Africa.*— $\mathfrak{h}$. October–November.

canescens *Kunth.*—*DC.* xi. 585.—*S. America.*— $\mathfrak{h}$.

chamædrifolia *Steud.*—*DC.* xi. 573.—*S. America.*— $\mathfrak{h}$. July–November.

citriodora *Kunth.*—*DC.* xi. 574.—*Aloysia citriodora* *Ort.*—*Uruguay, Argentina, Chili.*— $\mathfrak{h}$. October–March.

lycioides *Steud.*—*DC.* xi. 574.—*N. and S. America.*— $\mathfrak{h}$. Spring.

reptans *Kunth.*—*DC.* xi. 584.—*Mexico, Peru, Brazil.*— $\mathcal{U}$.

†**LIRIODENDRON** *L.*—*N. Pff.* iii. 2. 17.—*Magnoliaceæ–Magnoliææ.*

tulipifera *L.*—*DC.* i. 82; *B. M.* t. 275; *Fl. d. S.* t. 2025, 2081–2.—*Atlantic N. America.*— $\mathfrak{h}$.

LIRIOPE *Lour.*—*N. Pff.* ii. 5. 85.—*Liliaceæ–Ophiopogonoideæ.*

graminifolia *Baker.*—*Nich. Dict.* 285.—*Ophiopogon spicatus* *Hook. B. M.* t. 5348.—*China, Japan.*— $\mathcal{U}$. April–June.

†**LISSOCHILUS** *R. Br.*—*N. Pff.* ii. 6. 157.—*Orchidaceæ–Monandréæ–Cyrtopodiinæ.*

Erythrææ *Rolfe.*—*Fl. Trop. Afr.* vii. 91.—*Eritrea, German S.W. Africa.*— $\mathcal{U}$. July–August.

†**LITCHI** *Sonn.*—*N. Pff.* iii. 5. 330.—*Sapindaceæ–Nepheliææ.*

sinensis *Sonn.*—*DC.* i. 611, as *Euphoria Litchi* *Desf.*—*China.*— $\mathfrak{h}$.

LITHOSPERMUM *L.*—*N. Pff.* iv. 3a. 122.—*Borraginaceæ–Borraginoideæ–Lithospermeæ.*

fruticosum *L.*—*DC.* x. 80; *Gr. & Godr. Fl. Fr.* ii. 517; *W. & L. Fl. Hisp.* ii. 499.—*Spain, S. France.*— $\mathfrak{h}$. March–April.

LITHRÆA *Miers.*—*N. Pff.* iii. 5. 164.—*Anacardiaceæ–Rhoideæ.*

Arceirinha *March.* = *molleoides*.

caustica *Hook. & Arn.* = *venenosa*.

LITHRÆA (*continued*).

Gilliesii Griseb. = *molleoides*.

Molle C. Gay. = *Schinus latifolius*.

molleoides Engl.—*N. Pff.* iii. 5. 164.—S. Brazil, Argentina, Bolivia.— $\frac{1}{2}$.

venenosa Miers.—*N. Pff.* iii. 5. 165.—Chili.— $\frac{1}{2}$.

LITSEA Lam.—*N. Pff.* iii. 2. 119.—Lauraceæ—Persoideæ—Litseeæ.

japonica Juss.—*N. Pff.* l.c.—*Tetranthera japonica* Spreng.

Sieb. & Zucc. Fl. Jap. i. 66. t. 87 and 100; *DC.* xv. 1. 181.

—Japan.— $\frac{1}{2}$. May–June.

†**LIVISTONA** R. Br.—*N. Pff.* ii. 3. 35.—Palmæ—Coryphinæ—Sabaleæ.

australis Mart.—*Kunth, En.* iii. 242; *Fl. Austr.* vii. 146;

B. M. t. 6274.—Queensland, N. S. Wales, Victoria.— $\frac{1}{2}$.

Summer.

chinensis R. Br.—*Kunth, En.* iii. 241.—*Latania borbonica*

Hort.—China, Japan.— $\frac{1}{2}$.

decipiens Becc. in *Webbia* iii. 1910, 301.—*Copernicia cerifera*

Hort.—N. S. Wales.— $\frac{1}{2}$.

olivæformis Mart.—*Nich. Dict.* 283.—*Corypha Gebanga*

Hort.—Java.— $\frac{1}{2}$.

LLAGUNOA Rz. & Pav.—*N. Pff.* iii. 5. 354.—Sapindaceæ—Cossignieæ.

nitida Rz. & Pav.—*DC.* i. 626.—Western S. America.— $\frac{1}{2}$.

Spring.

Loasa lateritia Hook. = *Cajophora lateritia*.

LOBELIA L.—*N. Pff.* iv. 5. 66.—Campanulaceæ—Lobelioideæ.

cardinalis L.—*DC.* vii. 382; *B. M.* t. 320.—N. America.—

$\frac{1}{4}$. September–November.

Erinus L.—*DC.* vii. 370; *Fl. Cap.* iii. 544; *B. M.* t. 901.—

S. Africa.— $\frac{1}{4}$. Winter–spring.

laxiflora H. B. K.—*DC.* vii. 383.—Mexico.— $\frac{1}{4}$.

„ var. *angustifolia* *DC.* l.c.; *B. M.* t. 3600.—*Siphocampylos bicolor* Hort.—Mexico.— $\frac{1}{4}$. November–May.

LOCHNERA Reichb.—*N. Pff.* iv. 2. 145.—Apocynaceæ—Plumeroideæ—Plumiereæ—Alstoniinaæ.

rosea Reichb.—*N. Pff.* l.c.—*Vinca rosea* L. *DC.* viii. 382;

B. M. t. 248.—W. Indies and other tropical countries.— $\odot$.

October–April.

LCESELIA *L.* — *N. Pff.* iv. 3a. 53. — Polemoniaceæ—Polemoniæ.

coccinea *G. Don.*—*DC.* ix. 318.—Mexico.— $\frac{1}{2}$. Nearly the whole year.

LOMANDRA *Labill.*—*N. Pff.* ii. 5. 50.—Liliaceæ—Asphodeloideæ—Lomandreæ.

longifolia *Labill.*—*Fl. Austr.* vii. 97, as *Xerotes longifolia* R. Br. — Queensland, N. S. Wales, Victoria, Tasmania, S. Australia.— $\frac{1}{4}$. Summer.

‡ **LOMATIA** *R. Br.*—*N. Pff.* iii. 1. 149.—Proteaceæ—Grevilloideæ—Embothriæ.

ferruginea *R. Br.*—*DC.* xiv. 449; *B. M.* t. 8112.—Southern Chili.— $\frac{1}{2}$.

longifolia *R. Br.*—*DC.* xiv. 447; *Fl. Austr.* v. 537; *B. M.* t. 7698.—N. S. Wales, Victoria.— $\frac{1}{2}$. June–July.

silaifolia *R. Br.*—*DC.* xiv. 448; *Fl. Austr.* v. 537; *B. M.* t. 1272.—N. S. Wales, Victoria.— $\frac{1}{2}$.

‡ **LOMATOPHYLLUM** *Willd.*—*N. Pff.* ii. 5. 47.—Liliaceæ—Asphodeloideæ—Aloineæ.

macrum *Salm.*—*Kunth, En.* iv. 549; *Berger, Al. (R. V. C.* iv. 38. 3^a), 327.—Mauritius, Bourbon.— $\frac{1}{2}$. Spring–summer.

purpureum *Th. Dur. & Schinz.*—*Berger, Al.* 326.—*Lom. borbonicum* *Willd. Kunth, En.* iv. 549; *B. M.* t. 1585.—Bourbon, Mauritius.— $\frac{1}{2}$.

LONICERA *L.*—*N. Pff.* iv. 4. 166.—Caprifoliaceæ—Lonicereæ.

chrysantha *Turcz.*—*Rehder, Rept. Miss. B. G.* 1903, 139.—North-eastern Asia.— $\frac{1}{2}$.

deflexicalyx *Batal.*—*Rehder, l. c.* 142.—Tibet, China (*Wilson, n.* 856).— $\frac{1}{2}$.

etrusca *Santi.*—*DC.* iv. 331; *Rehder, l. c.* 194; *Fl. d'It.* n. 3318.—Mediterranean region (from Madeira to Kurdistan).— $\frac{1}{2}$ §. May–June.

„ var. **glabra** *Lowe, Fl. Madeira, i.* 382; *Rehder, l. c.* 196.—*L. gigantea* *Carr.*—Madeira.— $\frac{1}{2}$ §. June–July.

fuchsioides *Hemsl. in Journ. Linn. Soc.* xxiii. 362, t. 9; *Rehder, l. c.* 148.—China.— $\frac{1}{2}$ §. June.

gigantea *Carr.* = *L. etrusca* var. *glabra*.

gymnochlamydea *Hemsl. in Journ. Linn. Soc.* xxiii. 362; *Rehder, l. c.* 75.—China (*Wilson, n.* 266).— $\frac{1}{2}$.

LONICERA (*continued*).

Henryi Hemsl. in *Journ. Linn. Soc.* xxiii. 363; *Rehder*, l. c. 148.—Tibet, China (*Wilson*, n. 254).— $\frac{1}{2}$.

Hildebrandiana Coll. & Hemsl.—*Rehder*, l. c. 163; *B. M.* t. 7677.—Burma, China.— $\frac{1}{2}$ §.

iberica *M. B.*—*DC.* iv. 337; *Rehder*, l. c. 79.—Western Asia.— $\frac{1}{2}$. April–May.

***implexa** *Ait.*—*DC.* iv. 331; *B. M.* t. 640; *Rehder*, l. c. 185; *Fl. d'It.* n. 3316.—Mediterranean region.— $\frac{1}{2}$ §. May–June.

japonica *Thunb.*—*Rehder*, l. c. 159.—Japan, China, Nepal.— $\frac{1}{2}$ §. July–October.

Kœhneana *Rehder*, l. c. 141.—China (*Wilson*, n. 93).— $\frac{1}{2}$.

Korolkovii *Stapf.*—*Rehder*, l. c. 131.—Turkestan.— $\frac{1}{2}$.

Maackii *Max.* var. **podocarpa** *Franch.*—*Rehder*, l. c. 141.—China (*Wilson*, n. 412 and 457).— $\frac{1}{2}$.

Periclymenum *L.*—*DC.* iv. 331; *Rehder*, l. c. 197; *Fl. d'It.* n. 3319.—Europe, N. Africa.— $\frac{1}{2}$ §.

sempervirens *L.*—*DC.* iv. 332; *B. M.* t. 781; *Rehder*, l. c. 167.—N. America.— $\frac{1}{2}$ §. April.

similis *Hemsl.* var. **Delavayi** *Rehder*, l. c. 155.—China (*Wilson*, n. 589).— $\frac{1}{2}$.

Standishii *Carr.*—*Rehder*, l. c. 81; *B. M.* t. 5709.—China.— $\frac{1}{2}$. January.

„ var. **longifolia** *Rehder*, l. c. 82.—China (*Wilson*, n. 82).— $\frac{1}{2}$.

Sullivantii *Gray.*—*Rehder*, l. c. 182.—Central N. America.— $\frac{1}{2}$ §.

tragophylla *Hemsl.*—*Rehder*, l. c. 193; *Gard. Chron.* 1904, ii. 151; *B. M.* t. 8064.—China (*Wilson*, n. 346).— $\frac{1}{2}$ §.

trichosantha *Bur. & Franch.*—*Rehder*, l. c. 142.—Tibet, China (*Wilson*, n. 856 b).— $\frac{1}{2}$.

Webbiana *Wall.*—*DC.* iv. 136; *Rehder*, l. c. 108.—S.E. Europe, Afghanistan, India, China (*Wilson*, n. 861).— $\frac{1}{2}$.

LOPEZIA *Cavanilles.*—*N. Pff.* iii. 7. 221.—Onagraceæ—Lopezieæ.

coronata *Andr.*—*DC.* iii. 62.—Central America.—☉. Summer.

miniata *DC.* iii. 62.—Guatemala, Mexico.— $\frac{1}{2}$ $\frac{1}{2}$. October–April.

Lophospermum *Don* = *Maurandia*.

†**LOROPETALUM** *R. Br.*—*N. Pff.* iii. 2a. 128.—Hamamelidaceæ
—Hamamelidoideæ—Hamamelideæ.

chinense *Oliv.*—*Fl. Brit. Ind.* ii. 428; *Bossche, Ic. Sel.*
t. 58; *Gard. Chron.* 1894, i. 343.—*Hamamelis chin.* DC.
iv. 269.—Himalaya, S. China.—½.

LOTUS *L.*—*N. Pff.* iii. 3. 257.—Leguminosæ—Papilionatæ—Loteæ.

Bertholetii *Masf.*—*Ind. Kew* iv. 1291.—*L. peliorrhynchus*
Hook. fil. *B. M.* t. 6733.—Teneriffe.—¼. March–June.

floridus *Masf.*—*Ind. Kew* iii. 119; *Lowe, Man. Fl. Mad.* i.
177, sub *Pedrosia*.—Canaries, Madeira.—¼. April–June.

Jacobæus *L.*—DC. ii. 210; *B. M.* t. 79; *Nich. Dict.* fig. 472.—
Cape Verde Islands (Island St. Jacobus).—½. March–July.

macranthus *Lowe, Man. Fl. Mad.* i. 179, sub *Pedrosia*.—
Madeira.—¼.

peliorrhynchus Hook. fil. = *Bertholetii*.

LUCUMA *Juss.*—*N. Pff.* iv. 1. 142.—Sapotaceæ—Palaquieæ—
Sideroxylinæ.

neriifolia *Hook. & Arn.*—DC. viii. 166.—Brazil.—½. June–July.

LUFFA *L.*—*N. Pff.* iv. 5. 25.—Cucurbitaceæ—Cucurbiteæ—
Cucumerinæ.

acutangula *Roxb.*—DC. iii. 302; *Fl. Trop. Afr.* ii. 530; *Fl.*
Brit. Ind. ii. 615.—Malaya.—☉. Summer.

ægyptiaca *Mill.*—DC. iii. 303; *Wight, Ic.* t. 499; *Fl. Trop.*
Afr. ii. 500; *Fl. Brit. Ind.* ii. 614—Tropics.—☉. Summer.

cylindrica *M. Roem.* = *ægyptiaca*.

LÜHEA *Willd.*—*N. Pff.* iii. 6. 22.—Tiliaceæ—Tilieæ.

divaricata *Mart. & Zucc.*—*N. Pff. l.c.*—Argentina, S. Brazil.

—½.

LUNARIA *L.*—*N. Pff.* iii. 2. 185.—Cruciferae—Sinapeæ—Car-
damininæ.

annua *L.*—*Fl. d'It.* n. 1457.—*L. biennis* *Moench, DC.* i. 156

—S. Europe.—☉. Spring.

LUZULA *DC.*—*N. Pff.* ii. 5. 7.—Juncaceæ.

maxima *DC.* = *sylvatica*.

sylvatica *Gaud.*—*Gren. & Godr. Fl. Fr.* iii. 353; *Fl. d'It.*
n. 607.—Europe.—¼. Spring.

†**LYCASTE** *Lindl.*—*N. Pff.* ii. 6. 162.—Orchidaceæ—Monandraræ—
Lycastinæ.

Deppei *Lindl.*—*B. M.* t. 3395.—S. Mexico.—¼. July.

LYCHNIS *L.*—*N. Pff.* iii. 1b. 73.—Caryophyllaceæ—Silenoideæ—Lychnideæ.

chalcedonica *L.*—*DC.* i. 385; *B. M.* t. 257.—Japan.— $\mathcal{U}$. April–July.

coronaria *Desr.*—*DC.* i. 387; *B. M.* t. 24; *Fl. d'It.* n. 1149.—S. Europe.— $\mathcal{U}$. April–July.

Flos-Jovis *Desr.*—*DC.* i. 385; *Fl. d'It.* n. 1150.—Europe.— $\mathcal{U}$. April–July.

LYCIUM *L.*—*N. Pff.* iv. 3b. 13.—Solanaceæ—Solaneæ—Lyciinaæ.

afrum *L.*—*DC.* xiii. 1. 521; *Fl. d'It.* n. 2866; *Fl. Cap.* iv. 2. 111.—S. Africa, subspontaneous in Mediterranean regions.— $\mathcal{U}$. May–June.

australe *F. M.*—*Fl. Austr.* iv. 467.—N. S. Wales, S. Australia.— $\mathcal{U}$. May–June.

cestroides Schlecht. = *Acnistus cestroides*.

chilense *Bert.*—*DC.* xiii. 1. 514; *Miers, Ill. Sth. Am. Pl.* ii. t. 72.—Chili.— $\mathcal{U}$. May–June.

chinense *Mill.*—*DC.* xiii. 1. 510; *Fl. d'It.* n. 2868.—China.— $\mathcal{U}$. May–June.

europæum *L.*—*DC.* xiii. 1. 523; *Fl. d'It.* n. 2867.—Mediterranean region, Canaries.— $\mathcal{U}$. May–June.

microphyllum *Duham.*—*DC.* xiii. 1. 526.—India?— $\mathcal{U}$.

ruthenicum *Murr.*—*DC.* xiii. 1. 514; *N. Pff. l.c.* 13.—Southern Russia to Persia.— $\mathcal{U}$.

tetrandrum *Thunb.*—*DC.* xiii. 1. 516; *Miers, Ill. Sth. Am. Pl.* ii. t. 66; *Fl. Cap.* iv. 2. 114.—*L. horridum* Thunb.—S. Africa.— $\mathcal{U}$.

Trewianum Roem. & Schult. = *chinense*.

LYCOPERSICUM *Tourn.*—*DC.* xiii. 1. 23; *N. Pff.* iv. 3b. 24, as *Solanum*.—Solanaceæ—Solaneæ—Solaninaæ.

esculentum *Mill.*—*DC.* xiii. 1. 26.—*Solanum Lycopersicum* *L.* *Fl. d'It.* n. 2875.—Tropical America.—(Tomato.)— $\odot$. Summer.

LYCORIS *Herb.*—*N. Pff.* ii. 5. 113.—Amaryllidaceæ—Amaryllidoideæ—Narcisseæ—Pancratiinaæ.

radiata *Herb.*—*Bak. Am.* 40.—China, Japan.— $\mathcal{U}$.

LYGEUM *L.*—*N. Pff.* ii. 2. 42.—Gramineæ—Oryzeæ.

Spartum *L.*—*Kunth, En.* i. 19; *Fl. d'It.* n. 106.—Western Mediterranean region.— $\mathcal{U}$. Spring.

- ‡**LYSILOMA** *Benth.*—*N. Pff.* iii. 3. 107.—Leguminosæ—Mimosoideæ—Ingeæ.
latisiliqua *Benth.*—*N. Pff.* l. c. 107.—Florida, Bahama Islands.—½.
- LYSIMACHIA** *L.*—*N. Pff.* iv. 1. 112.—Primulaceæ—Lysimachieæ—Lysimachiinæ.
barystachys *Bunge.*—*DC.* viii. 61; *Knuth, Primul. (R. V. C.)*, 289.—Eastern Asia.—¼. Summer.
nummularia *L.*—*DC.* viii. 61; *Knuth, Primul. (R. V. C.)*, 258; *Fl. d'It.* n. 2697.—Central Europe.—¼. Spring.
- LYTANTHUS** *Wettst.*—*N. Pff.* iv. 3b. 272.—Globulariaceæ.
salicinus *Wettst.* in *N. Pff.* l. c.—*Globularia salicina* *Lam.* *DC.* xii. 614.—½. September–November.
- LYTHRUM** *L.*—*N. Pff.* iii. 7. 8.—Lythraceæ—Lythreæ—Lythrinæ.
 **flexuosum* *Lag.*—*Koehne, Lythrac. (R. V. C.)*, 68; *Fl. d'It.* n. 2201; *B. M.* t. 6499.—Mediterranean region.—¼. May–October.
Græfferi *Tenore* = *flexuosum* *Lag.*
salicaria *L.*—*Koehne, Lythrac. (R. V. C.)*, 73; *DC.* iii. 82; *Fl. d'It.* n. 2199.—Europe.—¼. June–August.
- ‡**MACADAMIA** *F. Müll.*—*N. Pff.* iii. 1. 147.—Proteaceæ—Grevilloideæ—Grevilleæ.
australis *Hort.* (Hyères, 1903).—Australia.—½.
ternifolia *F. Müll.*—*Fl. Austr.* v. 406.—Australia.—½. June.
- MACKAYA** *Harv.*—*N. Pff.* iv. 3b. 336.—Acanthaceæ—Acanthoideæ—Imbricatæ—Odontonemeæ.
bella *Harv.*—*B. M.* t. 5797.—Natal.—½. June–July.
- MACLURA** *Nutt.*—*N. Pff.* iii. 1. 74.—Moraceæ—Moroideæ—Broussonetieæ.
aurantiaca *Nutt.*—*DC.* xvii. 227; *Gard. Chron.* 1894, ii. 693.—Louisiana, Arkansas.—½. June.
- ‡**MACROZAMIA** *Miq.*—*N. Pff.* ii. 1. 22.—Cycadaceæ—Zamieæ.
spiralis *Miq.*—*DC.* xvi. 2. 535; *Fl. Austr.* vi. 251.—*Zamia spiralis* *Salisb.*—*N. S. Wales.*—½.
- ‡**MAGNOLIA** *L.*—*N. Pff.* iii. 2. 16.—Magnoliaceæ—Magnolieæ.
grandiflora *L.*—*DC.* i. 80; *Lodd. B. C.* t. 814; *B. M.* t. 1952.—*M. foetida* *Sarg.*, *Schneider, Hdb. Laubh.* i. 334.—Southern Atlantic States of N. America.—½. May–July.

MAGNOLIA (*continued*).

inodora P DC. i. 81.—S. China.—½.

pumila Andr.—DC. i. 81; B. M. t. 977.—China.—½. June–August.

‡ **MAGYDARIS** Koch.—N. Pff. iii. 8. 174.—Umbelliferae—Apiodeae—Smyrnieae.

panacina DC. iv. 241.—Spain, N. Africa.—¼. June.

tomentosa Koch.—DC. iv. 241.—*M. pastinacea* Fiori, *Fl. d'It.* n. 2408.—Sardinia, Sicily, N. Africa.—¼. June.

MAHONIA Nutt.—N. Pff. iii. 2. 77, sub *Berberis*.—Berberidaceae.

aquifolium Nutt.—Schneider, *Hdb. Laubh.* i. 318.—(DC. i. 108; Lodd. B. C. t. 1718.)—N. America.—½. March–April.

Bealei Carr. *Fl. d. S.* t. 166; Schneider, *Hdb. Laubh.* i. 323.—(DC. i. 109; B. M. t. 4852.)—Himalaya, China.—½. Spring.

tenuifolia Loud.—Schneider, *Hdb. Laubh.* i. 321.—(Bossche, *Ic. Sel.* t. 11.)—Mexico.—½. November–January.

MAJORANA Moench.—N. Pff. iv. 3a. 307.—Labiatae—Stachydoideae—Thymineae.

hortensis Moench.—N. Pff. l. c. — *Origanum Majorana* L. DC. xii. 196; *Fl. d'It.* n. 3206.—N. Africa, Orient.—¼. June.

MALCOLMIA R. Br.—N. Pff. iii. 2. 200.—Cruciferae—Hesperiodeae—Malcolmiinae.

maritima R. Br.—DC. i. 187; *Fl. d'It.* n. 1313. —Mediterranean region.—☉. Early spring.

MALLOTUS Lour.—N. Pff. iii. 5. 53.—Euphorbiaceae—Crotonoideae—Mercurialinae.

japonicus Müll. Arg.—DC. xv. 2. 966.—Japan, N. China, Formosa.—½. July.

MALVASTRUM A. Gr.—N. Pff. iii. 6. 41.—Malvaceae—Malveae—Malvineae.

capense Gray & Harv.—*Fl. Cap.* i. 160; DC. i. 434, sub *Malva*.—S. Africa.—½. May–June.

MALVAVISCUS Dill.—N. Pff. iii. 6. 46.—Malvaceae—Ureneae.

mollis Lam.—DC. i. 445.—*Achania mollis* Ait. B. M. t. 2374.—Mexico.—½. All the year.

- ‡ **MAMILLARIA** *Haw.*—*N. Pff.* iii. 6 a. 192.—Cactaceæ—Cereoideæ—Mamillariææ.
- angularis** *Lk. & Otto.*—*K. Schum.* 576.—Mexico.—½. Spring-summer.
- bicolor** *Lehm.*—*K. Schum.* 568; *Pfeiff. Abb.* i. t. 3.—Mexico. Spring-summer.
- bocasana** *Pos.*—*K. Schum.* 530.—Mexico.—¼. Spring.
- candida** *Scheidw.*—*K. Schum.* 524.—Mexico.—¼.
- caput-medusæ** *Otto.*—*K. Schum.* 589.—Mexico.—¼. Spring and summer.
- carnea** *Zucc.*—*K. Schum.* 592.—Mexico.—¼.
- Celsiana** *Lem.*—*K. Schum.* 565.—Mexico.—¼. Spring and summer.
- centricirrha** *Lem.*—*K. Schum.* 579.—Mexico.—¼. Spring-summer.
- „ var. **Boeckii** *K. Schum.* 582.—¼. May-June.
- „ var. **Krameri** *K. Schum.* 582.—¼. May-June.
- „ var. **macracantha** *K. Schum.* 582.—¼. May-June.
- „ var. **magnimamma** *K. Schum.* 582.—¼. Spring-summer.
- „ var. **recurva** *K. Schum.* 582.—¼. May-June.
- chrysacantha** *Otto* = *rhodantha*.
- clava** *Pfeiff.*—*K. Schum.* 501; *B. M.* t. 4358.—Mexico.—¼. Summer.
- conimamma** *A. Lke.*—*K. Schum.* 489.—Mexico.—¼.
- cornifera** *DC.*—*K. Schum.* 491, fig. 81.—Mexico.—¼. Summer.
- dasyacantha** *Engelm. Cact. Bound.* t. 17-22; *K. Schum.* 482.—Texas, New Mexico.—¼.
- decipiens** *Scheidw.*—*K. Schum.* 527, fig. 88.—Mexico.—¼.
- dioica** *Kath. Brand.*—*K. Schum.* 544.—S. California.—¼.
- discolor** *Haw.*—*K. Schum.* 556.—Mexico.—¼.
- dolichocentra** *Lem.*—*K. Schum.* 557.—Mexico.—¼. Spring and summer.
- „ var. **Galeottii** *K. Schum.* 559.—¼.
- Donati** *Berge.*—*K. Schum.* N. 135.—Mexico.—¼. Summer.
- durangensis** *Rge.*—*K. Schum.* 478.—Mexico.—¼.
- Eichlamii** *Quehl.*—*Monatsschrift. f. K.* 1908, 65.—Guatemala.—¼.
- elegans** *P. DC.*—*K. Schum.* 564.—Mexico.—¼. Summer.

MAMILLARIA

- elephantidens** *Lem.*—*K. Schum.* 486 ; *Pfeiff. Abb.* ii. t. 20.
 —Mexico.—4. Summer.
- elongata** *DC.*—*K. Schum.* 518.—Mexico.—4. Spring-summer.
- Emskoetteriana** *Quehl.*—*Monatsschrft. f. K.* 1910, 139.—Mexico.—4.
- erecta** *Lem.*—*K. Schum.* 503. fig. 82.—Mexico.—4.
- formosa** *Scheidw.*—*K. Schum.* 590.—Mexico.—4.
- glochidiata** *Mart.*—*K. Schum.* 531.—Mexico.—4.
- „ var. **crinita** *K. Schum. l. c.* 532.
- gracilis** *Pfeiff.*—*K. Schum.* 551. fig. 90.—Mexico.—4.
- Grahami** *Engelm.*—*K. Schum.* 541.—Texas.—4.
- Grusonii** *Runge.*—*K. Schum.* 583.—Mexico.—4.
- Haageana** *Pfeiff.*—*K. Schum.* 567.—Central Mexico.—4. Spring.
- Halei** *Brand.*—*K. Schum.* 510. fig. 84.—Islands of Santa Margarita and Santa Magdalena.—4.
- Heeseana** *MacDow.*—*K. Schum.* 579.—Mexico.—4.
- Heyderi** *Mühlenpf.*—*K. Schum.* 571.—Texas, New Mexico.—4.
- Karwinskiana** *Mart.*—*K. Schum.* 594.—Mexico.—4.
- lasiacantha** *Engelm.*—*K. Schum.* 521.—Texas.—4.
- „ var. **denudata** *Engelm.* — *K. Schum.* 522.—*M. Rungei* *Hort.*—Texas, Mexico.—4.
- leona** *Pos.*—*K. Schum.* 524.—Mexico.—4.
- Lesauineri** *Reb.*—*K. Schum.* 553.—Mexico.—4.
- longimamma** *DC.*—*K. Schum.* 507.—Mexico.—4.
- macromeris** *Engelm. Cact. Bound. t. 14, 15; K. Schum.* 483 ; *Nich. Dict. Suppl.* 514.—Mexico, New Mexico.—4.
- macrothele** *Mart.*—*K. Schum.* 502.—Mexico.—4.
- mazatlanensis** *K. Schum. in Monatsschrft. f. K.* 1905, 154.—Mexico.—4. Summer.
- meiacantha** *Engelm.*—*K. Schum.* 584.—Texas, New Mexico.—4. Summer.
- melanocentra** *Pos.*—*K. Schum.* 574.—Mexico.—4.
- micromeris** *Engelm.*—*K. Schum.* 523.—Texas, Mexico.—4.
- „ var. **Greggii** *Engelm.*—*K. Schum. l. c.*—Mexico.—4.
- missouriensis** *Sweet.*—*K. Schum.* 497.—N. America.—4.
- Mundtii** *K. Schum.*—*Monatsschrft. f. K.* 1903, 141.—Mexico.—4. Summer.

MAMILLARIA (*continued*).

mutabilis Scheidw.—*K. Schum.* 594.—Mexico.—4. Spring and summer.

Odieriana Lem. = *rhodantha*.

Parkinsonii Ehrbg.—*K. Schum.* 570.—Mexico.—4. Spring and summer.

pentacantha Pfeiff. = *centricirrha*.

perbella Hildm.—*K. Schum.* 567.—Mexico.—4. Spring and summer.

phellosperma Engelm. *Cact. Bound.* 6. t. 7; *K. Schum.* 540.—California, Arizona, &c.—4.

plumosa Web.—*K. Schum.* 535.—Mexico.—4. Spring-autumn.

polyedra Mart.—*K. Schum.* 592.—Mexico.—4.

polythele Mart.—*K. Schum.* 559.—Mexico.—4.

pulchra Haw.—*K. Schum.* 580, sub *M. centricirrha*.—Mexico.—4.

pusilla DC.—*K. Schum.* 526. fig. 87.—Mexico, Texas.—4. Spring-autumn.

pyrrhocephala Scheidw.—*K. Schum.* 597.—Mexico.—4. Spring and summer.

radians DC.—*K. Schum.* 494.—Mexico.—4. Spring-summer.

„ var. **impexicoma** Salm.—*K. Schum.* 495.—Mexico.—4.

radiosa Engelm.—*K. Schum.* 479.—Texas, New Mexico, &c.—4. Spring.

„ var. **arizonica** Engelm.—*K. Schum.* 481.—4.

recurvata Engelm.—*K. Schum.* 493.—Mexico.—4.

rhodantha Lk. & Otto.—*K. Schum.* 549.—Mexico.—4. Spring and summer.

Roseana Brand.—*K. Schum.* 512.—Lower California.—4.

Rungei Hort. = *lasiacantha* var. *denudata*.

rutila Zucc.—*K. Schum.* 556, sub *M. coronaria*.—Mexico.—4.

Scheerii Mühlenpf.—*K. Schum.* 484. fig. 80.—Mexico.—4.

Schelhasii Pfeiff.—*K. Schum.* 534.—Mexico.—4.

Schiedeana Ehrbg.—*K. Schum.* 536.—Mexico.—4.

sempervivi DC.—*K. Schum.* 587.—Mexico.—4.

senilis Lodd.—*K. Schum.* 511.—Mexico.—4.

setispina Engelm.—*K. Schum.* 513.—Lower California.—4.

sphacelata Mart.—*K. Schum.* 547.—Mexico.—4.

spinosissima Lem.—*K. Schum.* 537.—Mexico.—4.

MAMILLARIA

strobiliformis Scheer.—*K. Schum.* 477.—New Mexico, Texas.

— $\frac{1}{4}$.

subechinata Salm = *elongata*.

Thornberi Orcutt.—*Monatsschrift. f. K.* 1907, 30.—Arizona.

— $\frac{1}{4}$.

Trohartii Hildm.—*K. Schum.* 586.—Mexico.— $\frac{1}{4}$.

umbrina Ehrbg.—*K. Schum.* 554.—Mexico.— $\frac{1}{4}$.

uncinata Zucc.—*K. Schum.* 585.—Mexico.— $\frac{1}{4}$.

vetula Mart.—*K. Schum.* 529.—Mexico.— $\frac{1}{4}$. Summer.

Wildii Dietr.—*K. Schum.* 533.—Mexico.— $\frac{1}{4}$. Spring and summer.

MANDEVILLA Lindl.—*N. Pff.* iv. 2. 170.—Apocynaceæ—Echitoideæ—Echitideæ.

suaveolens Lindl.—*DC.* viii. 452; *B. M.* t. 3797.—Argentina.

— $\frac{1}{2}$ §. June–August.

MANDRAGORA Juss.—*N. Pff.* iv. 3b. 27.—Solanaceæ—Solaneæ—Mandrogorinæ.

autumnalis Spreng.—*Fl. d'It.* n. 2882.—Mediterranean region.— $\frac{1}{4}$.

vernalis Bert.—*DC.* xiii. 1. 466; *Fl. d'It.* n. 2881.—Mediterranean region.— $\frac{1}{4}$.

MANETTIA Mut.—*N. Pff.* iv. 4. 49.—Rubiaceæ—Cinchonoideæ—Cinchoninæ—Cinchoneæ.

bicolor Hort. = *inflata*.

inflata Sprague in *Gard. Chron.* 1904, ii. 385. fig. 169; *B. M.* t. 7776, as *M. bicolor*.—Uruguay, Paraguay.— $\frac{1}{4}$. From autumn to spring.

‡**MANIHOT** Adans.—*N. Pff.* iii. 5. 79.—Euphorbiaceæ—Platylobæ—Crotonoideæ—Manihoteæ.

carthaginensis Müll. Arg.—*DC.* xv. 2. 1073.—Tropical America.— $\frac{1}{2}$. July.

MARGYRICARPUS Rz. & Pav.—*N. Pff.* iii. 3. 45.—Rosaceæ—Rosoidæ—Sanguisorbeæ.

alatus Gill.—*Schneider, Hdb. Laubh.* i. 535.—Chili.— $\frac{1}{2}$. April–May.

setosus Rz. & Pav.—*DC.* ii. 591; *Nich. Dict.* fig. 513; *Schneider, Hdb. Laubh.* i. 535.—Chili.— $\frac{1}{2}$. April–May.

MARICA *Ker.*—*N. Pff.* ii. 5. 147.—Iridaceæ—Iridoideæ—Mari-
cinæ.

humilis *Lodd. B. C. t.* 1801; *Bak. Irid.* 63.—S. Brazil.—
24. June.

longifolia *Link.*—*Bak. Irid.* 62.—Brazil.—24.

MARRUBIUM *L.*—*N. Pff.* iv. 3a. 230.—Labiataæ—Stachyoideæ
candidissimum *L.*—*DC.* xii. 451; *Fl. d'It.* n. 3100.—Italy,
Dalmatia, Bosnia.—24. June–July.

MARSDENIA *R. Br.*—*N. Pff.* iv. 2. 291.—Asclepiadaceæ—
Cynanchoideæ—Tylophoreæ—Marsdeniinaæ.

erecta *R. Br.*—*DC.* viii. 616.—Syria, Turkey.—½. Summer.

MARTYNIA *L.*—*N. Pff.* iv. 3b. 269.—Martyniaceæ.

annua *L.*—*N. Pff.* l.c.—*M. diandra* *Glox. DC.* ix. 253.—
Mexico and other tropical countries.—☉. Summer.

lutea *Lindl.* = *Proboscidea lutea* *Stapf.*

proboscidea *Glox.* = *Proboscidea Jussiewi* *Steud.*

MASSONIA *Thunb.*—*N. Pff.* ii. 5. 70.—Liliaceæ—Lilioideæ—
Scilleæ.

versicolor *Bak.*—*Fl. Cap.* vi. 413.—S. Africa.—24.

MATTHIOLA *R. Br.*—*N. Pff.* iii. 2. 202.—Cruciferaæ—Hesperideæ
—Hesperidinaæ.

incana *R. Br.*—*DC.* i. 132; *Fl. d'It.* n. 1308.—Mediterranean
region, S. Europe.—24. Winter and spring.

rupestris *DC.* i. 135; *Fl. d'It.* n. 1308 β.—S. Italy.—24.
Spring.

sinuata *R. Br.*—*DC.* i. 133; *Fl. d'It.* n. 1309.—Mediterranean
region.—⊕. Spring.

MAURANDIA *Ort.*—*N. Pff.* iv. 3b. 61.—Scrophulariaceæ—
Antirrhinoideæ—Antirrhineæ.

Barclaiana *Lindl.*—*DC.* x. 297; *Lodd. B. C. t.* 1381.—
Mexico.—24 §. All the year.

erubescens *A. Gray.*—*N. Pff.* iv. 3b. 61.—*Lophospermum*
erubescens *Zucc. DC.* x. 297; *B. M. t.* 3037 and 3038.—
Mexico.—24 §. All the year.

MAUROCENIA *L.*—*N. Pff.* iii. 5. 215.—Celastraceæ—Cassini-
oideæ—Eucassinieæ.

frangularia *Mill.*—*N. Pff.* iii. 5. 215.—*M. capensis* *Sond. Fl.*
Cap. i. 465.—*Cassine Maurocenia* *L. DC.* ii. 11.—Cape.—
½. March.

MAXILLARIA *Rz. & Pav.*—*N. Pff.* ii. 6. 187.—Orchidaceæ—*Monandracæ*—*Maxillariinæ*.

lepidota *Lindl.*—*Nich. Dict. Suppl.* 527.—Colombia.— $\frac{1}{2}$.
October–December.

MAYTENUS *Feuill.*—*N. Pff.* iii. 5. 205.—Celastraceæ—*Celastroideæ*—*Eucelastreæ*.

Boaria *Molin.*—*N. Pff. l. c.*—*M. chilensis* *DC.* ii. 9.—Chili.
— $\frac{1}{2}$. April–May.

Medeola asparagoides *L.* = *Asparagus medeoloides*.

‡**MEDICAGO** *L.*—*N. Pff.* iii. 3. 245.—Leguminosæ—*Papilionataæ*—*Trifolieæ*.

arborea *L.*—*DC.* ii. 173; *Moris, Fl. Sard.* t. 35; *Lodd. B. C.* t. 1379; *Fl. d'It.* n. 1928.—Canary Islands, N. Africa, S. Europe, Asia Minor.— $\frac{1}{2}$. April–May.

***sativa** *L.*—*DC.* ii. 173; *Fl. d'It.* n. 1930.—Europe.— $\frac{1}{2}$.
April–May.

‡**MELALEUCA** *L.*—*N. Pff.* iii. 7. 95.—Myrtaceæ—*Leptospermoideæ*—*Leptospermeæ*—*Leptosperminæ*.

acuminata *F. Müll.*—*Fl. Austr.* iii. 132.—Victoria, S. and W. Australia.— $\frac{1}{2}$.

armillaris *Sm.*—*DC.* iii. 213; *Fl. Austr.* iii. 146.—N. S. Wales, Victoria, S. Australia.— $\frac{1}{2}$. April–May.

cuticularis *Lab.*—*DC.* iii. 214; *Fl. Austr.* iii. 148.—W. Australia.— $\frac{1}{2}$. March–May.

decussata *R. Br.*—*DC.* iii. 214; *Fl. Austr.* iii. 133; *B. M.* t. 2268; *Lodd. B. C.* t. 1208.—Victoria, S. Australia.— $\frac{1}{2}$.
May–June.

densa *R. Br.*—*DC.* iii. 215; *Fl. Austr.* iii. 156.—W. Australia.— $\frac{1}{2}$. June.

diosmifolia *Andr.*—*DC.* iii. 212; *Fl. Austr.* iii. 130.—W. Australia.— $\frac{1}{2}$. May–June.

ericifolia *Sm. Exot. Bot.* i. t. 34; *DC.* iii. 213; *Fl. Austr.* iii. 159.—N. S. Wales, Victoria, Tasmania.— $\frac{1}{2}$. April.

filifolia *F. Müll.*—*Fl. Austr.* iii. 151.—W. Australia.— $\frac{1}{2}$.
May.

fulgens *R. Br.*—*DC.* iii. 214; *Fl. Austr.* iii. 131; *Lodd. B. C.* t. 378; *Bossche, Ic. Sel.* iii. 97.—W. Australia.— $\frac{1}{2}$.

hypericifolia *Sm.*—*DC.* iii. 214; *Fl. Austr.* iii. 131; *Lodd. B. C.* t. 199.—W. Australia.— $\frac{1}{2}$. June–July.

incana *R. Br.*—*DC.* iii. 215; *Fl. Austr.* iii. 157.—W. Australia.— $\frac{1}{2}$. May.

MELALEUCA (*continued*).

linariifolia *Sm. Exot. Bot.* t. 56; *DC.* iii. 214; *Fl. Austr.* iii. 140.—Queensland, N. S. Wales.— $\frac{1}{2}$. June–July.

nesophila *F. Müll.*—*Fl. Austr.* iii. 150.—W. Australia.— $\frac{1}{2}$. July.

nodosa *Sm. Exot. Bot.* t. 35; *DC.* iii. 213; *Fl. Austr.* iii. 158; *Vent. Jard. Malm.* t. 112.—Queensland, N. S. Wales.— $\frac{1}{2}$.

Preissiana *Schau.*—*Fl. Austr.* iii. 145.—Victoria, S. and W. Australia.— $\frac{1}{2}$. June–July.

pulchella *R. Br.*—*DC.* iii. 214; *Fl. Austr.* iii. 141; *Lodd. B. C.* t. 200.—W. Australia.— $\frac{1}{2}$. June–July.

pustulata *Hook. fil.*—*Fl. Austr.* iii. 160.—N. S. Wales, Victoria, S. Australia, Tasmania.— $\frac{1}{2}$.

sparsiflora *Turcz.*—*Fl. Austr.* iii. 148.—W. Australia.— $\frac{1}{2}$.

stypelioides *Sm.*—*DC.* iii. 212; *Fl. Austr.* iii. 144.—N. S. Wales.— $\frac{1}{2}$. July.

thymifolia *Sm. Exot. Bot.* t. 36; *DC.* iii. 214; *Fl. Austr.* iii. 134; *B. M.* t. 1868; *Lodd. B. C.* t. 439.—N. S. Wales, Victoria.— $\frac{1}{2}$.

Wilsonii *F. Müll.*—*Fl. Austr.* iii. 134; *B. M.* t. 6131.—Victoria, S. Australia.— $\frac{1}{2}$. June.

† **MELANOSELINUM** *Hoffm.*—*N. Pff.* iii. 8. 247.—Umbelliferae–Apiodeae–Laserpitieae–Thapsiineae.

decipiens *Hoffm.*—*DC.* iv. 208; *Lowe, Man. Fl. Mad.* 362; *N. Pff.* iii. 8. 245. fig. 76.—*Thapsia decipiens* *Hook. fil.* *B. M.* t. 5670.—Madeira.— $\oplus \frac{1}{2}$.

MELASPHÆRULA *Ker.*—*N. Pff.* ii. 5. 155.—Iridaceae–Ixiodeae–Gladioleae.

graminea *Ker.* in *B. M.* t. 615; *Bak. Irid.* 189; *Fl. Cap.* vi. 115.—S. Africa.— $\frac{1}{4}$. April.

† **MELHANIA** *Forsk.* — *N. Pff.* iii. 6. 76. — Sterculiaceae–Dombeyeae.

Erythroxylon *R. Br.*—*DC.* i. 499; *B. M.* t. 1000.—St. Helena.— $\frac{1}{2}$.

MELIA *L.*—*N. Pff.* iii. 4. 286.—Meliaceae–Meliodeae–Meliæ.

Azedarach *L.*—*DC.* i. 621; *B. M.* t. 1066; *Wight, Ic.* t. 160; *Brandis, F. Fl.* 68; *Fl. Brit. Ind.* i. 544; *Fl. d'It.* n. 2534.—Persia, India, China, &c.— $\frac{1}{2}$. May–June.

sempervirens *Sw.* = *M. Azedarach* *L.*

- ‡**MELIANTHUS** *L.* — *N. Pff.* iii. 5. 381. — Melianthaceæ—Meliantheæ.
comosus *Vahl.* — *Fl. Cap.* i. 367; *B. M. t.* 301, as *M. minor.* — S. Africa. — ½. March–May.
intermedius *Berger* in *Gard. Chron.* 1911, ii. 41. — Garden origin. — ½. March–May.
major *L.* — *DC.* i. 708; *Fl. Cap.* i. 367. — S. Africa. — ½. May–June.
pectinatus *Harv.* — *Fl. Cap.* i. *Add.* 21; *B. M. t.* 6557. — S. Africa. — ½. November–March.
Trimenianus *Hook. fil.* = *pectinatus.*
- MELICA** *L.* — *N. Pff.* ii. 2. 70. — Gramineæ–Festuceæ.
altissima *L.* — *Kunth, En.* i. 377. — S. Europe, N. Asia. — ¼. April–May.
 ***Bauhinii** *All.* — *Kunth, En.* i. 376; *Fl. d'It.* n. 286. — Mediterranean region. — ¼. April–May.
ciliata *L.* — *Kunth, En.* i. 375; *Fl. d'It.* n. 285. — Europe, N. Africa. — ¼. April–May.
- MELICocca** *L.* — *N. Pff.* iii. 5. 323. — Sapindaceæ–Melicocceæ.
bijuga *Juss.* — *DC.* i. 615; *Fl. West Ind.* 127. — Trinidad, Central and S. America. — ½.
- MELICOPE** *Forst.* — *N. Pff.* iii. 4. 122. — Rutaceæ–Rutoideæ–Zanthoxyleæ–Evodiinæ.
ternata *Forst.* — *DC.* i. 723; *Hdb. Fl. N. Zeald.* 40. — New Zealand. — ½.
- MELICYTUS** *Forst.* — *N. Pff.* iii. 6. 330. — Violaceæ–Rinoreæ.
ramiflorus *Forst.* — *Hdb. Fl. N. Zeald.* 17. — New Zealand, Norfolk Island. — ½.
- ‡**MELOCACTUS** *Lk. & Otto.* — *N. Pff.* iii. 6a. 190. — Cactaceæ–Cereoideæ–Echinocactææ.
communis *Lk. & Otto.* — *K. Schum.* 463; *Fl. West Ind.* 300; *B. M. t.* 3090. — W. Indies. — ¼. Summer.
Maxoni *Rose.* — *Monatsschrft. f. K.* 1909, 81. — Guatemala. — ¼. Summer.
- MELOTHRIA** *L.* — *N. Pff.* iv. 5. 15. — Cucurbitaceæ–Meloثرiææ–Meloثرiinæ.
punctata *Cogn.* — *Bossche, Ic. Sel.* i. 17. — *Bryonia punctata* *DC.* iii. 305. — *Pilogyne suavis* *Schrad.* — Africa, Madagascar, Mauritius, Comoro Islands, Java, Celebes. — ¼. Summer.

- MENISPERMUM** *Tourn.*—*N. Pff.* iii. 2. 83.—Menispermaceæ—Cocculeæ—Menispermīnæ.
canadense *L.*—*DC.* i. 102; *B. M.* t. 1910; *Schneider, Hdb. Laubh.* i. 325.—Atlantic N. America.— $\frac{1}{2}$ §. Summer.
- MENTZELIA** *L.*—*N. Pff.* iii. 6a. 109.—Loasaceæ—Mentzelioideæ—Mentzelieæ.
Conzatti Greenm.—Mexico.— $\frac{1}{2}$.
- ‡**MERYTA** *Forst.*—*N. Pff.* iii. 8. 34.—Araliaceæ—Schefflereæ.
macrophylla *Seem.* in *Bonplandia*, x. 1862, 294.—Samoa Islands.— $\frac{1}{2}$. June.
Sinclairii *Seem.* in *Bonplandia*, x. 1862, 295; *Hdb. Fl. N. Zeald.* 104; *Gard. Chron.* 1898, ii. 344. 370 and 1903, ii. 422, with figure.—New Zealand.— $\frac{1}{2}$.
- ‡**MESEMBRIANTHEMUM** *L.*—*N. Pff.* iii. 1b. 45.—Aizoaceæ—Ficoideæ—Mesembrianthemæ.
abyssinicum *Rgl.*—*Berger, Mesembr.* 76.—Abyssinia, Eritrea.— $\frac{1}{2}$. May.
acinaciforme *L.*—*DC.* iii. 428; *Fl. Cap.* ii. 412; *Berger, Mesembr.* 202. fig. 40; *B. M.* t. 5539. — Cape.— $\frac{1}{2}$. May.
æquilaterale *Haw.*—*DC.* iii. 429; *Fl. Austr.* iii. 324; *Berger, Mesembr.* 205.—Australia, Chili.— $\frac{1}{2}$. April.
agninum *Haw.*—*Fl. Cap.* ii. 398; *Berger, Mesembr.* 269.—Cape.— $\frac{1}{2}$. May.
angulatum *Thunb.*—*DC.* iii. 448; *Fl. Cap.* ii. 454; *Berger, Mesembr.* 36.—Cape.—☉. Summer.
aureum *L.*—*DC.* iii. 437; *Fl. Cap.* ii. 418; *B. M.* t. 262; *Berger, Mesembr.* 165. fig. 30.—Cape.— $\frac{1}{2}$ $\frac{1}{2}$. May.
barbatum *L.*—*DC.* iii. 440; *Fl. Cap.* ii. 446; *Berger, Mesembr.* 80.—Cape.— $\frac{1}{2}$ $\frac{1}{2}$. June–July.
bicorne *Sonder.*—*Fl. Cap.* ii. 432; *Berger, Mesembr.* 63.—Cape. $\frac{1}{2}$.
bifidum *Haw.*—*DC.* iii. 420; *Fl. Cap.* ii. 394; *Berger, Mesembr.* 258.—Cape.— $\frac{1}{2}$. April–May.
blandum *Haw.*—*DC.* iii. 436; *Fl. Cap.* ii. 418; *Berger, Mesembr.* 162. fig. 29.—Cape.— $\frac{1}{2}$ $\frac{1}{2}$. May.
 „ var. *curviflorum* *Berger, Mesembr.* 163.—*DC.* iii. 436; *Fl. Cap.* ii. 418.—Cape.— $\frac{1}{2}$ $\frac{1}{2}$. May.
Bolusii *Hook. fil.* in *B. M.* t. 6664; *Berger, Mesembr.* 275. figs. 60 and 61.—S. Africa.— $\frac{1}{2}$. September–October.

MESEMBRIANTHEMUM (*continued*).

- Bosscheanum** *Berger, Mesembr.* 269.—Cape.— $\frac{1}{4}$. October.
brevicaule *Haw.—DC.* iii. 426; *Fl. Cap.* ii. 409; *Berger, Mesembr.* 216.—Cape.— $\frac{1}{4}$.
Brownii *Hook. fl. in B. M. t.* 6985; *Berger, Mesembr.* 148.—Cape.— $\frac{1}{4}$ $\frac{1}{2}$. April–May.
bulbosum *Haw.—DC.* iii. 440; *Fl. Cap.* ii. 447; *Berger, Mesembr.* 81.—Cape.— $\frac{1}{4}$ $\frac{1}{2}$.
calamiforme *L.—DC.* iii. 424; *Fl. Cap.* ii. 405; *B. M. t.* 7775; *Berger, Mesembr.* 225.—Cape.— $\frac{1}{4}$. May.
candens *Haw.—DC.* iii. 442; *Fl. Cap.* ii. 445; *Berger, Mesembr.* 90.—Cape.— $\frac{1}{4}$. May–June.
caninum *Haw.—DC.* iii. 419; *Fl. Cap.* ii. 398; *Berger, Mesembr.* 249.—Cape.— $\frac{1}{4}$. May–June.
canum *Haw.—DC.* iii. 419; *Fl. Cap.* ii. 396; *Berger, Mesembr.* 279.—Cape.— $\frac{1}{4}$. September–October.
carinans *Haw.—DC.* iii. 423; *Fl. Cap.* ii. 400; *Berger, Mesembr.* 245.—Cape.— $\frac{1}{4}$. May.
caulescens *Mill.—DC.* iii. 432, *Pl. Gr. t.* 53; *Fl. Cap.* ii. 421; *Berger, Mesembr.* 188.—Cape.— $\frac{1}{4}$ $\frac{1}{2}$. May–June.
coccineum *Haw.—DC.* iii. 438, *Pl. Gr. t.* 83; *Fl. Cap.* ii. 436; *Lodd. B. C. t.* 1033; *B. M. t.* 59; *Berger, Mesembr.* 150. fig. 26.—Cape.— $\frac{1}{2}$. May.
congestum *Salbn.—Fl. Cap.* ii. 416; *Berger, Mesembr.* 183.—Cape.— $\frac{1}{4}$ $\frac{1}{2}$. May.
Cooperi *Hook. fl. in B. M. t.* 6312; *Berger, Mesembr.* 76.—Cape.— $\frac{1}{4}$. May.
cordifolium *L.—DC.* iii. 449, *Pl. Gr. t.* 102; *Fl. Cap.* ii. 456; *Berger, Mesembr.* 53. fig. 8, 3–4.—Cape.— $\frac{1}{4}$. Nearly always.
corniculatum *L.—DC.* iii. 426, *Pl. Gr. t.* 108; *Fl. Cap.* ii. 408; *Berger, Mesembr.* 137.—Cape.— $\frac{1}{4}$. Spring.
crassifolium *L.—DC.* iii. 427, *Pl. Gr. t.* 175; *Fl. Cap.* ii. 411; *Berger, Mesembr.* 206.—Cape.— $\frac{1}{4}$. May.
crassulinum *DC.* iii. 445; *Fl. Cap.* ii. 451; *Berger, Mesembr.* 72. fig. 11. i.—Cape.— $\frac{1}{4}$. May.
crystallinum *L.—DC.* iii. 448, *Pl. Gr. t.* 128; *Fl. Cap.* ii. 453; *Berger, Mesembr.* 35.—Cape, Mediterranean region, Madeira, Canaries.—☉. Summer.
deltoides *Mill.—DC.* iii. 433, *Pl. Gr. t.* 53; *Fl. Cap.* ii. 421; *Berger, Mesembr.* 190.—Cape.— $\frac{1}{2}$. May–June.
 „ var. **muricatum** *Berger, Mesembr.* 90.—*DC.* iii. 433; *Fl. Cap.* ii. 421.—Cape.— $\frac{1}{2}$.

MESEMBRIANTHEMUM (*continued*).

densum Haw.—*B. M.* t. 1220; *DC.* iii. 441; *Fl. Cap.* ii. 447;

Berger, Mesembr. 85. fig. 14. i.—Cape.— $\frac{1}{2}$. December.

diversifolium Haw.—*DC.* iii. 425; *Fl. Cap.* ii. 407; *Berger, Mesembr.* 135. — Cape. — $\frac{1}{4}$. December–January and later.

dolabriforme L.—*DC.* iii. 423; *Fl. Cap.* ii. 400; *Berger, Mesembr.* 213. fig. 43; *B. M.* t. 32.—Cape.— $\frac{1}{2}$. Summer.

echinatum Ait.—*DC.* iii. 441, *Pl. Gr.* t. 24; *Fl. Cap.* ii. 448; *Berger, Mesembr.* 77. fig. 12.—Cape.— $\frac{1}{4}$ $\frac{1}{2}$. Nearly always.

Ecklonis Salm.—*Fl. Cap.* ii. 441; *Berger, Mesembr.* 103. fig. 16.—Cape.— $\frac{1}{4}$ $\frac{1}{2}$. Summer, December–January.

edule L.—*DC.* iii. 428; *Fl. Cap.* ii. 412; *Berger, Mesembr.* 204.—Cape.— $\frac{1}{4}$. April–May.

elegans Jacq. *Hort. Sch.* iv. 18. t. 436; *Fl. Cap.* ii. 440; *Berger, Mesembr.* 148.—Cape.— $\frac{1}{2}$ $\frac{1}{4}$. June.

falcatum L.—*DC.* iii. 433; *Fl. Cap.* ii. 420; *Berger, Mesembr.* 188.—Cape.— $\frac{1}{4}$ $\frac{1}{2}$. May.

falciforme Haw.—*DC.* iii. 433; *Fl. Cap.* ii. 420; *Berger, Mesembr.* 187.—Cape.— $\frac{1}{4}$ $\frac{1}{2}$. May–June.

fastigiatum Haw.—*DC.* iii. 446, *Pl. Gr.* t. 35; *Fl. Cap.* ii. 433; *Berger, Mesembr.* 120.—Cape.— $\frac{1}{2}$.

felinum Haw.—*DC.* iii. 419, *Pl. Gr.* t. 158; *Fl. Cap.* ii. 397; *Berger, Mesembr.* 267.—Cape.— $\frac{1}{4}$. October.

flexuosum Haw.—*DC.* iii. 445; *Fl. Cap.* ii. 433; *Berger, Mesembr.* 122.—Cape.— $\frac{1}{2}$.

floribundum Haw.—*DC.* iii. 441; *Fl. Cap.* ii. 446; *Berger, Mesembr.* 91.—Cape.— $\frac{1}{4}$ $\frac{1}{2}$. May–June.

geminiflorum Haw.—*DC.* iii. 427; *Fl. Cap.* ii. 411; *Berger, Mesembr.* 212.—Cape.— $\frac{1}{4}$ $\frac{1}{2}$. May.

geniculiflorum L.—*DC.* iii. 445, *Pl. Gr.* t. 17; *Fl. Cap.* ii. 451; *Berger, Mesembr.* 63. fig. 8. i.—Cape.— $\frac{1}{2}$. May–June.

glaucum L.—*DC.* iii. 437, *Pl. Gr.* t. 146; *Jacq. H. Sch.* t. 439; *Fl. Cap.* ii. 417; *Berger, Mesembr.* 164.—Cape.— $\frac{1}{2}$. May.

glomeratum L.—*Fl. Cap.* ii. 439; *Berger, Mesembr.* 145.—Cape.— $\frac{1}{2}$. June.

granulicaule Haw.—*DC.* iii. 446; *Fl. Cap.* ii. 435; *Berger, Mesembr.* 59.—Cape.— $\frac{1}{2}$.

Haworthii Don.—*DC.* iii. 439; *Fl. Cap.* ii. 428; *Berger, Mesembr.* 155.—Cape.— $\frac{1}{2}$. Spring.

MESEMBRIANTHEMUM

- heteropetalum** Haw.—DC. iii. 429 ; *Fl. Cap.* ii. 413 ; *Berger, Mesembr.* 195.—Cape.—½ . June.
- inclaudens** Haw.—DC. iii. 430 ; *B. M.* t. 1663 ; *Fl. Cap.* ii. 414 ; *Berger, Mesembr.* 196.—Cape.—½ . May–June.
- intonsum** Haw.—DC. iii. 440 ; *Fl. Cap.* ii. 446 ; *B. M.* t. 6057 ; *Berger, Mesembr.* 83. fig. 14.—Cape.—½ . Spring.
- junceum** Haw.—DC. iii. 446 ; *Fl. Cap.* ii. 434 ; *Berger, Mesembr.* 58.—Cape.—½ .
- lacerum** Haw.—DC. iii. 429, *Pl. Gr.* t. 89 ; *Fl. Cap.* ii. 413 ; *Berger, Mesembr.* 193. fig. 38.—Cape.—½ . May–June.
- læve** Thunb.—*Fl. Cap.* ii. 136 ; *Berger, Mesembr.* 136.—Cape.—¼ . Spring.
- Lehmannii** Eckl. & Zeyh. — *Fl. Cap.* ii. 430 ; *Berger, Mesembr.* 129. fig. 22.—Cape.—¼ . Spring and summer.
- linguiforme** L.—*Berger, Mesembr.* 239.—Cape.—¼ . Spring–summer.
- lunatum** Willd.—*Fl. Cap.* ii. 420 ; *Berger, Mesembr.* 187.—Cape.—¼ ½ . Spring.
- lupinum** Haw.—DC. iii. 419 ; *Fl. Cap.* ii. 397 ; *Berger, Mesembr.* 268.—Cape.—¼ . September–October.
- maximum** Haw.—DC. iii. 433 ; *Fl. Cap.* ii. 420 ; *Berger, Mesembr.* 185.—Cape.—½ . January.
- megarhizum** Don.—*Fl. Cap.* ii. 441 ; *Berger, Mesembr.* 101.—Cape.—½ . Spring and summer.
- minimum** Haw.—DC. iii. 417 ; *Fl. Cap.* ii. 392 ; *Berger, Mesembr.* 286.—Cape.—¼ . October–January.
- minutum** Haw.—DC. iii. 417 ; *Fl. Cap.* ii. 392 ; *B. M.* t. 1376 ; *Berger, Mesembr.* 285. fig. 65. i.—Cape.—¼ .
- molle** Ait.—*Fl. Cap.* ii. 430 ; *Berger, Mesembr.* 130. fig. 23.—Cape.—¼ ½ . December–February.
- multiceps** Salm.—*Fl. Cap.* ii. 253 ; *Berger, Mesembr.* 253.—Cape.—¼ . Spring.
- multiflorum** Haw.—DC. iii. 431 ; *Fl. Cap.* ii. 426 ; *Berger, Mesembr.* 110.—Cape.—½ . May–June.
- multipunctatum** Salm.—*Sonder*, ii. 395 ; *Berger, Mesembr.* 257. fig. 55. iv.—Cape.—¼ . March–April.
- musculinum** Haw.—*Fl. Cap.* ii. 398 ; *Berger, Mesembr.* 272.—Cape.—¼ . Summer.
- mutabile** Haw.—DC. iii. 431, *Pl. Gr.* t. 60 ; *Jacq. H. Sch.* t. 440 ; *Fl. Cap.* ii. 414 ; *Berger, Mesembr.* 195.—Cape.—½ . June.

MESEMBRIANTHEMUM (*continued*).

- nobile** *Haw.*—*DC.* iii. 419; *Fl. Cap.* ii. 398; *Berger, Mesembr.* 264.—Cape.— $\mathcal{U}$.
- noctiflorum** *L.*—*DC.* iii. 444, *Pl. Gr.* t. 10; *Fl. Cap.* ii. 431; *Berger, Mesembr.* 123.—Cape.— $\mathcal{U}$. Summer.
- nodiflorum** *L.*—*DC.* iii. 447, *Pl. Gr.* t. 88; *Fl. Cap.* ii. 452; *Berger, Mesembr.* 41.—S. Africa, Canaries, Madeira, Mediterranean region.— $\odot$. May–June.
- obconellum** *Haw.*—*DC.* iii. 417; *Fl. Cap.* ii. 391; *Berger, Mesembr.* 288. fig. 65. iii.—Cape.— $\mathcal{U}$. October–November.
- obcordellum** *Haw.*—*DC.* iii. 417; *Fl. Cap.* ii. 392; *Berger, Mesembr.* 287.—Cape.— $\mathcal{U}$. February.
- ochraceum** *Berger, Mesembr.* 234.—Cape.— $\mathcal{U}$. Spring and summer.
- opticum** *Marl.*—*Berichte Deutsche Bot. Ges.* xxvii. 367.—German S.W. Africa.— $\mathcal{U}$.
- perfoliatum** *Mill.*—*Fl. Cap.* ii. 422; *Berger, Mesembr.* 104. fig. 17. i.—Cape.— $\mathcal{U}$. June–July.
- pinnatifidum** *L. fil.*—*B. M.* t. 67; *DC. Pl. Gr.* t. 142, iii. 448; *Fl. Cap.* ii. 455; *Berger, Mesembr.* 33.—Cape.— $\odot$. Summer.
- pomeridianum** *L.*—*DC.* iii. 450; *B. M.* t. 540; *Fl. Cap.* ii. 458; *Berger, Mesembr.* 29.—Cape.— $\odot$. Summer.
- pseudotruncatellum** *Berger, Mesembr.* 289.—German S.W. Africa.— $\mathcal{U}$. Spring.
- pubescens** *Haw.*—*DC.* iii. 424; *Fl. Cap.* ii. 405; *Berger, Mesembr.* 230. fig. 48.—Cape.— $\mathcal{U}$.
- pulchellum** *Haw.*—*DC.* iii. 434; *Fl. Cap.* ii. 424; *Berger, Mesembr.* 167.—Cape.— $\mathcal{U}$ $\mathcal{U}$. Spring.
- pygmæum** *Haw.*—*DC.* iii. 434; *Fl. Cap.* ii. 425; *Berger, Mesembr.* 116. fig. 18. iii.—Cape.— $\mathcal{U}$.
- pyropæum** *Haw.*—*DC.* iii. 447; *Fl. Cap.* ii. 452; *Berger, Mesembr.* 38; *B. M.* t. 2144, as *M. tricolor* Willd.—Cape.— $\odot$. Summer.
- quadrifidum** *Haw.*—*DC.* iii. 420; *Fl. Cap.* ii. 394; *Berger, Mesembr.* 257.—Cape.— $\mathcal{U}$. Autumn.
- ramulosum** *Haw.*—*DC.* iii. 421; *Fl. Cap.* ii. 394; *Berger, Mesembr.* 258.—Cape.— $\mathcal{U}$. February.
- Rehnelianum** *Berger, Mesembr.* 245. fig. 52.—Cape.— $\mathcal{U}$. May–June.
- relaxatum** *Willd.*—*DC.* iii. 449; *Fl. Cap.* ii. 457; *Berger, Mesembr.* 45.—Cape.— $\mathcal{U}$. July–October.

MESEMBRIANTHEMUM

- rhomboideum** *Salm.*—*Fl. Cap.* ii. 400; *Berger, Mesembr.* 247. fig. 53.—Cape.— $\frac{1}{2}$. May–July.
- rigidicaule** *Haw.*—*DC.* iii. 427; *Fl. Cap.* ii. 410; *Berger, Mesembr.* 210. fig. 42.—Cape.— $\frac{1}{2}$. Spring.
- rigidum** *Haw.*—*DC.* iii. 432; *Fl. Cap.* ii. 425; *Berger, Mesembr.* 112. fig. 18. i.—Cape.— $\frac{1}{2}$. June.
- „ **var. tenellum** *Berger, Mesembr.* 112.— $\frac{1}{2}$. June.
- roseum** *Willd.*—*Fl. Cap.* ii. 420; *Berger, Mesembr.* 185.— $\frac{1}{2}$. May–June.
- rostratum** *L.*—*DC.* iii. 421; *Fl. Cap.* ii. 395; *Berger, Mesembr.* 255. fig. 55. i.–iii.—Cape.— $\frac{1}{4}$. April.
- rubricaule** *Haw.*—*DC.* iii. 428; *Fl. Cap.* ii. 413; *Berger, Mesembr.* 200.—Cape.— $\frac{1}{2}$. April–May.
- scapigerum** *Haw.*—*DC.* iii. 423; *Fl. Cap.* ii. 399; *Berger, Mesembr.* 252.—Cape.— $\frac{1}{4}$. Spring.
- Schollii** *Salm.*—*DC.* iii. 427; *Fl. Cap.* ii. 410; *Berger, Mesembr.* 210.—Cape.— $\frac{1}{2}$. April.
- simile** *Sonder, Fl. Cap.* ii. 435; *Berger, Mesembr.* 62.—Cape.— $\frac{1}{2}$.
- spectabile** *Haw.*—*DC.* iii. 436; *B. M. t.* 396, *Pl. Gr. t.* 153; *Fl. Cap.* ii. 419; *Berger, Mesembr.* 161. fig. 28. i.—Cape.— $\frac{1}{4}$ $\frac{1}{2}$. Spring.
- spinosum** *L.*—*DC.* iii. 440; *Fl. Cap.* ii. 430; *Berger, Mesembr.* 162. fig. 24. i.—Cape.— $\frac{1}{2}$. May–June.
- splendens** *L.*—*DC.* iii. 445; *Fl. Cap.* ii. 432; *Berger, Mesembr.* 119. fig. 19. ii.–iv.—Cape.— $\frac{1}{2}$. Spring.
- stellatum** *Mill.*—*DC.* iii. 440, *Pl. Gr. t.* 29; *Fl. Cap.* ii. 447; *Berger, Mesembr.* 84.—Cape.— $\frac{1}{4}$. December.
- stelligerum** *Haw.*—*DC.* iii. 440; *B. M. t.* 70; *Fl. Cap.* ii. 447; *Berger, Mesembr.* 82. fig. 14. iv.–v.—Cape.— $\frac{1}{2}$. Spring.
- subincanum** *Haw.*—*DC.* iii. 443; *Fl. Cap.* ii. 441; *Berger, Mesembr.* 102. fig. 16. i.–ii.—Cape.— $\frac{1}{2}$. Summer.
- tenellum* *Haw.* = *rigidum* var. *tenellum*.
- tigrinum** *Haw.*—*DC.* iii. 419; *Fl. Cap.* ii. 397; *Berger, Mesembr.* 266. fig. 57.—Cape.— $\frac{1}{4}$. October.
- tuberosum** *L.*—*DC.* iii. 443, *Pl. Gr. t.* 78; *Fl. Cap.* ii. 440; *Berger, Mesembr.* 100. fig. 16. iii.–iv.—Cape.— $\frac{1}{2}$. Spring.
- tumidulum** *Haw.*—*DC.* iii. 431; *Fl. Cap.* ii. 426; *Berger, Mesembr.* 114.—Cape.— $\frac{1}{2}$. May.
- umbellatum** *L.*—*DC.* iii. 431; *Fl. Cap.* ii. 427; *Berger, Mesembr.* 114.—Cape.— $\frac{1}{2}$. May.

MESEMBRIANTHEMUM (*continued*).

umbelliflorum Jacq.—*DC.* iii. 446; *Fl. Cap.* ii. 433; *Berger, Mesembr.* 121. fig. 19. i.—Cape.—½. May–June.

uncinatum Mill.—*DC.* iii. 431; *Fl. Cap.* ii. 423; *Berger, Mesembr.* 105.—Cape.—¼. June.

vaginatum Haw.—*DC.* iii. 432; *Fl. Cap.* ii. 425; *Berger, Mesembr.* 110. fig. 18. ii.—Cape.—½. June.

validum Haw.—*Fl. Cap.* ii. 409; *Berger, Mesembr.* 138. fig. 24. iii.—Cape.—¼.

verruculatum L.—*DC.* iii. 438, *Pl. Gr.* t. 36; *Fl. Cap.* ii. 428; *Berger, Mesembr.* 126. fig. 21.—Cape.—½. May–June.

vespertinum *Berger, Mesembr.* 253.—Cape.—¼. June.

vittatum N. E. Br.—*Berger, Mesembr.* 260.—Cape.—¼. April.

Wettsteinii *Berger, Mesembr.* 285. fig. 65. iii.—Cape.—¼. October.

Zeyheri Salbn.—*Fl. Cap.* ii. 429; *Berger, Mesembr.* 157.—Cape.—½. April.

MESPILUS L.—*N. Pff.* iii. 3. 26.—Rosaceæ–Pomoideæ–Pomariæ.

germanica L.—*DC.* ii. 633; *Fl. d'It.* n. 1843.—S. Europe, Orient.—½. April.

‡ **METROSIDEROS** Banks.—*N. Pff.* iii. 7. 87.—Myrtaceæ–Leptospermoideæ–Leptospermeæ–Metrosiderinæ.

hypericifolia A. Cunn.—*Hdb. Fl. N. Zeald.* 71.—New Zealand.—½ §.

lucida Menzies.—*Hdb. Fl. N. Zeald.* 71.—New Zealand.—½.

tomentosa A. Cunn.—*Hdb. Fl. N. Zeald.* 72.—New Zealand. ½. June–July.

MEZONEURUM Desf.—*N. Pff.* iii. 3. 176.—Leguminosæ–Cæsalpinioidæ–Eucæsalpinieæ.

cucullatum Wight & Arn.—*Fl. Brit. Ind.* ii. 258.—India, Malaya.—½ §.

MICHAUXIA L'Hér.—*N. Pff.* iv. 5. 52.—Campanulaceæ–Campanuloideæ–Campanuleæ–Campanulinæ.

campanuloides L'Hér.—*DC.* vii. 457.—Orient.—¼. May.

Tchihatcheffii Fisch. & Heldr.—*Gard. Chron.* 1897, i. 182; *B. M.* t. 7742.—Asia Minor.—¼. May.

MICHELIA L.—*N. Pff.* iii. 2. 17.—Magnoliaceæ–Magnolieæ.

fuscata Blume.—*Journ. Linn. Soc.* xxiii. 24.—*Magnolia fuscata* Andr. *DC.* i. 81; *B. M.* t. 1008.—China.—½. May–June.

MICROLEPIA Presl. — *N. Pff.* i. 4. 215. — Polypodiaceæ—Davalliæ.

platyphylla *J. Sm.—Hook. & Bak. Syn. Fil.* 99.—India, Ceylon.— $\mathcal{U}$.

Micromeria Benth. = *Satureia*.

‡**MILTONIA** Lindl. — *N. Pff.* ii. 6. 199. — Orchidaceæ—Monandracæ—Oncidiinæ—Odontoglossæ.

Regnelli *Rehb. fl.—B. M.* t. 5436.—S. Brazil.— $\mathcal{U}$.

MIMOSA L.—*N. Pff.* iii. 3. 115.—Leguminosæ—Mimosoideæ—Eumimoseæ.

acanthocarpa Benth.—*N. Pff. l. c.*—Mexico.— $\mathfrak{h}$. Summer.

pudica L.—*DC.* ii. 426.—Brazil.— $\odot$ $\mathfrak{h}$. Summer.

ramulosa Benth.—*Hook. Journ. Bot.* iv. 385.—Brazil.— $\mathfrak{h}$. Summer.

Spegazzinii *Pirotta.—Ann. Ist. Bot. Rom.* iii. 1887, 132; *Nich. Dict. Suppl.* 535.—Argentina.— $\mathfrak{h}$. Summer.

MIMULUS L.—*N. Pff.* iv. 3 b. 71.—Scrophulariaceæ—Antirrhinoideæ—Gratiolæ.

hybridus Hort.—*N. Pff. l. c.* 72.—Garden origin.— $\odot$. Spring.

MINA *Llav. & Lex.—N. Pff.* iv. 3 a. 25.—Convolvulaceæ—Convolvuloideæ—Convolvulæ—Convolvulinæ.

lobata *Llav. & Lex.—DC.* ix. 337; *B. M.* t. 7689.—Mexico.— $\odot$. Autumn.

MIRABILIS L.—*N. Pff.* iii. 1 b. 24.—Nyctaginaceæ—Mirabileæ—Boerhaviinæ.

dichotoma L.—*DC.* xiii. 2. 428; *Descourt. Fl. Med. Ant.* ii. t. 139.—Central America.— $\mathcal{U}$.

Jalapa L.—*DC.* xiii. 2. 427; *B. M.* t. 371.—Central America.— $\mathcal{U}$. Summer—Autumn.

longiflora L.—*DC.* xiii. 2. 428; *Smith, Exot. Bot.* t. 23.—Mexico.— $\mathcal{U}$.

Mirasolia Schultz Bip. = *Tithonia*.

MISCANTHUS Anderss.—*N. Pff.* ii. 2. 23.—Gramineæ—Andropogoneæ.

sinensis Anderss.—*B. M.* t. 7304.—*Eulalia japonica* Trin.—China, Japan.— $\mathcal{U}$. Summer.

„ var. **gracillima** Hort.—*Nich. Dict. Suppl.* 535.—Garden origin.— $\mathcal{U}$. Summer.

- MITELLA** *Tourn.*—*N. Pff.* iii. 2a. 63.—Saxifragaceæ—Saxifragoideæ—Saxifrageæ.
pentandra *Hook.*—*B. M.* t. 2933.—*N. W. America.*— $\mathcal{U}$.
- MITRARIA** *Cav.*—*N. Pff.* iv. 3b. 162.—Gesneriaceæ—Cyrtandroidæ—Coronanthereæ.
coccinea *Cav.*—*DC.* vii. 537 ; *B. M.* t. 4462 ; *Fl. d. S.* t. 385. *Chili.*— $\frac{1}{2}$. Spring.
- MOLUCELLA** *L.*—*N. Pff.* iv. 3a. 258.—Labiatae—Stachyoideæ—Lamiinæ.
lævis *L.*—*DC.* xii. 513 ; *Nich. Dict.* 376 ; *B. M.* t. 1852.—*Asia Minor, Orient.*— $\odot$. Summer.
spinosa *L.*—*DC.* xii. 513 ; *Fl. d'It.* n. 3146.—Southern Mediterranean region, Syria, Palestine.— $\odot$. Summer.
- MOMORDICA** *L.*—*N. Pff.* iv. 5. 23.—Cucurbitaceæ—Cucurbitææ—Cucumerinæ.
Balsamina *L.*—*DC.* iii. 311 ; *Fl. Trop. Afr.* ii. 537 ; *Fl. Brit. Ind.* ii. 617 ; *Desc. Fl. Med. Ant.* iii. t. 164.—Tropical Africa and Asia.— $\odot$. Summer.
Charantia *L.*—*DC.* iii. 311 ; *B. M.* t. 2455 ; *Wight, Ic.* t. 504 ; *Fl. Brit. Ind.* ii. 616 ; *Fl. d. S.* t. 594.—Tropical Africa and Asia.— $\odot$. Summer.
cochinchinensis *Spreng.*—*Fl. Brit. Ind.* ii. 618.—*M. mixta* *Roxb.* *B. M.* t. 5145.—Tropical E. Asia.— $\odot$. Summer.
Huberi *Tod.* = *involutrata*.
involutrata *E. Mey.*—*Fl. Cap.* ii. 491 ; *B. M.* t. 6932 ; *Ref. Bot.* t. 223.—*Natal.*— $\odot$. Summer.
Schinzii *Cogn.*—*Ind. Kew. Suppl.* i. 281.—*S. W. Africa.*— $\odot$. Summer.
- MONANTHES** *Haw.*—*N. Pff.* iii. 2a. 32.—Crassulaceæ.
agriostaphys *Christ, Spicil. Can.* 162.—*Canaries.*— $\mathcal{U}$. Spring.
agriostaphys $\times$ **muralis**.— $\mathcal{U}$. Spring.
atlantica *Ball.*—*B. M.* t. 5988.—*Morocco.*— $\mathcal{U}$. Spring.
brachycaulon *Webb, Phyt.* i. 202 ; *Christ, Spicil. Can.* 116.—*Teneriffe.*— $\mathcal{U}$. Spring.
muralis *Hook. fil.* = *atlantica*.
polyphylla *Hav.*—*Webb, Phyt.* i. 203 ; *Christ, Spicil. Can.* 115.—*Madeira, Teneriffe.*— $\mathcal{U}$. Spring.

MONARDA *L.*—*N. Pff.* iv. 3*a*. 289.—Labiatae—Stachyoideae—Monardeae.

fistulosa *L.*—*DC.* xii. 361; *B. M.* t. 145.—From Canada to Texas.— $\mathcal{U}$. Spring—summer.

‡**MONSTERA** *Adans.*—*N. Pff.* ii. 3. 120.—Araceae—Monsteroideae—Monstereae.

deliciosa *Liebm.*—*Engl. Arac. (R. V. C.)*, 23*b*. 111.—*Philodendron pertusum* Kunth & Bouché.—Mexico, Guatemala.— $\frac{1}{2}$ §. Summer.

‡**MONTANOA** *Llav. & Lex.*—*N. Pff.* iv. 5. 232.—Compositae—Heliantheae—Verbesininae.

bipinnatifida *C. Koch.*—*Nich. Dict. Gard.* 380, with figure.—Mexico.— $\frac{1}{2}$. December.

mollissima *Brongn.*—*B. M.* t. 8143.—Mexico.— $\frac{1}{2}$. October—April.

tomentosa *Llav. & Lex.*—*DC.* v. 564.—(var. *cordifolia* *DC. l. c.* 565.)—Mexico.— $\frac{1}{2}$. December.

Wercklei *Berger* in *Gard. Chron.* 1911, ii. 122.—Costa Rica.— $\frac{1}{2}$. December—January.

MORÆA *L.*—*N. Pff.* ii. 5. 146.—Iridaceae—Iridoideae—Iridinae.

angusta *Ker* in *B. M.* t. 1276; *Bak. Irid.* 50; *Fl. Cap.* vi. 13.—Cape.— $\mathcal{U}$.

iridioides *L.*—*Bak. Irid.* 60; *Fl. Cap.* vi. 25; *B. M.* t. 693; *Jacq. H. Sch.* t. 196.—S. Africa.— $\mathcal{U}$. June.

Pavonia *Ker* in *B. M.* t. 1247; *Bak. Irid.* 59; *Fl. Cap.* vi. 23; *Jacq. H. Sch.* t. 10.—Cape.— $\mathcal{U}$.

Robinsoniana *F. Müll.*—*Fl. Austr.* vi. 409; *Bak. Irid.* 60; *B. M.* t. 7212.—Lord Howe's Island.— $\mathcal{U}$. July.

MORICANDIA *DC.*—*N. Pff.* iii. 2. 204.—Cruciferae—Hesperideae—Moricandiinae.

**arvensis* *DC.* i. 221; *B. M.* t. 3007; *Moggr.* t. 27; *Bicknell, Fl. Riv.* t. 3; *Fl. d'It.* n. 1417.—S. Europe, N. Africa.—☉. Nearly the whole year.

Ramburii *Webb.*—*W. & L. Fl. Hisp.* iii. 869; *B. M.* t. 4947.—Spain.—☉. Spring.

MORISIA *J. Gay.*—*N. Pff.* iii. 2. 181.—Cruciferae—Sinapeae—Brassicinae.

hypogæa *J. Gay.*—*Fl. d'It.* n. 1426; *B. M.* t. 7598.—Corsica, Sardinia.— $\mathcal{U}$. March—April.

MORRENIA *Lindl.*—*N. Pff.* iv. 2. 249.—Asclepiadaceæ—Cynanchoideæ—Asclepiadeæ—Cynanchinæ.

brachystephana *Griseb.*—*N. Pff.* l. c.—S. Brazil, Argentina.— $\frac{1}{2}$ $\frac{1}{2}$. Summer.

odorata *Lindl.*—*N. Pff.* l. c. fig. 72.—S. Brazil, Argentina.— $\frac{1}{2}$ $\frac{1}{2}$. Summer, autumn.

MUEHLENBECKIA *Meissn.*—*N. Pff.* iii. 1a. 32.—Polygonaceæ—Coccoloboideæ—Coccolobeæ.

chilensis *Meissn.*—*DC.* xiv. 147.—Peru, Chili.— $\frac{1}{2}$ §.

complexa *Meissn.*—*DC.* xiv. 147; *Hdb. Fl. N. Zeald.* 236.—New Zealand.— $\frac{1}{2}$ §. June–October.

Cunninghamii *F. Müll.*—*Fl. Austr.* v. 276.—Australia.— $\frac{1}{2}$. June–November.

platyclada *Meissn.*—*N. Pff.* l. c. fig. 16.—*Coccoloba platycl.* *F. Müll. B. M. t.* 5382.—Solomon Islands.— $\frac{1}{2}$. June–November.

MUEHLENBERGIA *Schreb.*—*N. Pff.* ii. 2. 47.—Gramineæ—Agrostideæ.

alpestris *Trin.*—*Kunth, En. i.* 201.—S. America.— $\frac{1}{2}$. Spring.

MURALTIA *Neck.*—*N. Pff.* iii. 4. 342.—Polygalaceæ—Polygaleæ.

mixta *DC.* i. 336; *Fl. Cap.* i. 104; *B. M. t.* 1714; *Bossche, Ic. Sel. t.* 3.—Cape.— $\frac{1}{2}$. Spring.

MURRAYA *L.*—*N. Pff.* iii. 4. 187.—Rutaceæ—Aurantioideæ—Aurantieæ—Limoniinæ.

exotica *L.*—*DC.* i. 537; *Fl. Austr.* i. 369; *Wight, Ic. t.* 96; *Fl. Brit. Ind.* i. 502.—India, Ceylon, Australia.— $\frac{1}{2}$. May.

‡ **MUSA** *L.*—*N. Pff.* ii. 6. 7.—Musaceæ—Museæ.

Basjoo *Sieb.*—*B. M. t.* 7182; *Kew Bull.* 1894, 248; *K. Schum. Mus. (R. V. C.),* 22.—*M. japonica* *Hort.*—Liu-Kiu Archipelago.— $\frac{1}{2}$.

Cavendishii *Lamb.*—*Kew Bull.* 1894, 244; *K. Schum. Mus. (R. V. C.),* 17; *Gard. Chron.* 1902, i. 225.—Southern China.— $\frac{1}{2}$.

Ensete *J. F. Gmel.*—*B. M. t.* 5223–4; *Kew Bull.* 1894, 240; *Gard. Chron.* 1894, ii. 697; *K. Schum. Mus. (R. V. C.),* 15.—Abyssinia.— $\frac{1}{2}$. Spring–autumn.

paradisiaca *L.* var. **sapientum** *O. Ktze. Rev. Gen.* ii. 692; *Kew Bull.* 1894, 250; *K. Schum. Mus. (R. V. C.),* 20.—Tropics.— $\frac{1}{2}$.

MUSSCHIA *Dumort.*—*N. Pff.* iv. 5. 60.—Campanulaceæ—Campanuloideæ—Campanuleæ—Platycodinæ.

aurea *L. fil.*—*DC.* vii. 495; *Lowe, Man. Fl. Mad.* 574.—Madeira.— $\frac{1}{2}$.

Wollastoni *Lowe, Man. Fl. Mad.* 576; *B. M.* t. 5606; *Fl. d. S.* t. 1376.—Madeira.— $\frac{1}{2}$.

MYOPORUM *Banks & Sol.*—*N. Pff.* iv. 3b. 359.—Myoporaceæ.

acuminatum *R. Br.*—*Fl. Austr.* v. 3.—Australia.— $\frac{1}{2}$.
December–January.

crystallinum *Hort.* = *tuberculatum*.

parvifolium *R. Br.*—*DC.* xi. 710; *Fl. Austr.* v. 6; *B. M.* t. 1693; *Lodd. B. C.* t. 837; *Bossche, Ic. Sel.* t. 89.—Australia.— $\frac{1}{2}$. May–June.

serratum *R. Br.*—*DC.* xi. 709; *Fl. Austr.* v. 4.—Australia.— $\frac{1}{2}$. April–June.

tuberculatum *R. Br.*—*DC.* xi. 710; *Fl. Austr.* v. 5.—Australia.— $\frac{1}{2}$. April–June.

MYOSOTIS *L.*—*N. Pff.* iv. 3a. 119.—Borraginaceæ—Borraginoideæ—Lithospermeæ.

dissitiflora *Bak. in Gard. Chron.* 1868, 599.—Switzerland.— $\frac{1}{2}$. Spring.

sylvatica *Hoffm.*—*DC.* x. 107.—Europe.— $\frac{1}{2}$. Spring.

MYRICA *L.*—*N. Pff.* iii. 1. 27.—Myricaceæ.

æthiopica *L.*—*DC.* xvi. 2. 153.—S. Africa.— $\frac{1}{2}$.

cerifera *L.*—*DC.* xvi. 2. 148.—N. America.— $\frac{1}{2}$.

MYRIOPHYLLUM *L.*—*N. Pff.* iii. 7. 234.—Halorrhagidaceæ.

brasiliense *Cambess.*—*A. K. Schindler (R. V. C.)*, 88. fig. 25.

—*M. proserpinacoides* *Gill.*—S. America.— $\frac{1}{2}$.

Myroxylon [†]*racemosum* *O. Kuntze* = *Xylosma racemosum*.

MYRSINE *L.*—*N. Pff.* iv. 1. 92.—Myrsinaceæ—Myrsinoideæ—Myrsineæ.

africana *L.*—*DC.* viii. 93; *Mez, Myrs. (R. V. C.)*, 340; *Jacq. H. Sch.* t. 124.—Azores, Africa, Arabia, Socotra, S. Asia.— $\frac{1}{2}$. May–August.

Urvillei *A. DC.* = *Rapanea Urvillei*.

Myrsiphyllum asparagoides *Willd.* = *Asparagus medeoloides*.

MYRTUS *L.*—*N. Pff.* iii. 7. 66.—Myrtaceæ—Myrteoideæ—Myrteæ—Myrtinæ.

bullata *Banks & Sol.*—*Hdb. Fl. N. Zeald.* 74; *B. M.* t. 4809. New Zealand.—½.

***communis** *L.*—*DC.* iii. 239; *Fl. d'It.* n. 2193.—Mediterranean region, Orient.—½. July.

„ var. **boetica** *Mill.*—*DC.* iii. 239.—½.

„ var. **tarentina** *Mill.*—*DC.* iii. 239.—½.

Ugni *Mol.*—*DC.* iii. 239; *B. M.* t. 4626.—Chili.—½.

NANDINA *Thunb.*—*N. Pff.* iii. 2. 75.—Berberidaceæ.

domestica *Thunb.*—*DC.* i. 109; *B. M.* t. 1109; *The Garden*, 1900, ii. 13.—China, Japan.—½. February.

†**NARCISSUS** *L.*—*N. Pff.* ii. 5. 111.—Amaryllidaceæ—Amaryllidoideæ—Narcisseæ—Narcissinæ.

biflorus *Curt.* *B. M.* t. 197; *Red. Lil.* t. 405; *Bak. Hdb. Am.* 11.—S. Europe.—¼. March–April.

Bulbocodium *L.* var. **monophylla** *Dur.*—*B. M.* t. 5831; *Bak. Am.* 3.—Algeria.—¼. January–February.

incomparabilis *Mill.*—*Bak. Am.* 5; *B. M.* t. 121; *Red. Lil.* t. 220.—S.W. Europe.—¼. February–March.

Jonquilla *L.*—*Bak. Am.* 10; *B. M.* t. 15; *Red. Lil.* t. 159.—Western Mediterranean region.—¼. February–March.

odorus *L.*—*Bak. Am.* 6; *Red. Lil.* t. 157; *B. M.* t. 934.—S.W. Europe.—¼. February–March.

poëticus *L.*—*Bak. Am.* 11; *Red. Lil.* t. 160.—Mediterranean region.—¼. April–May.

Pseudo-Narcissus *L.*—*Bak. Am.* 3; *Fl. d'It.* n. 758.—Mediterranean region.—¼. March–April.

***Tazetta** *L.*—*Bak. Am.* 7; *Moggr.* t. 23.—Mediterranean region.—¼. December–March.

„ var. (vel subspec.) **aureus** *Lois.*—*Bak. Am.* 9; *Moggr.* t. 22.—¼.

„ var. (vel subspec.) **Bertolonii** *Jord.*—*Bak. Am.* 8; *Moggr.* t. 90.—¼.

„ var. (vel subspec.) **canariensis** *Hort.*—*Bak. Am.* 8.—Canaries, S. France.—¼.

„ var. (vel subspec.) **italicus** *Bak. Am.* 8; *Linn. B. M.* t. 1188.—¼.

„ var. (vel subspec.) **pachybolbus** *Durieu.*—*Bak. Am.* 8; *B. M.* t. 6825.—Algeria.—¼.

„ var. (vel subspec.) **papyraceus** *Ker.*—*Bak. Am.* 8; *B. M.* t. 947.—¼. November–April.

NARCISSUS (*continued*).

triandrus *L.*—*Bak. Am.* 5.—Spain, Portugal.— $\mathcal{U}$. March.

NASTURTIIUM *R. Br.*—*N. Pff.* iii. 2. 184.—Cruciferae—Sinapeae—Cardamininae.

officinale *R. Br.*—*DC.* i. 137; *Fl. d'It.* n. 1361.—Europe, N. Asia.— $\mathcal{U}$. Spring. (Watercress.)

NEJA *D. Don.*—*DC.* v. 325.—Compositae—Astereae—Solidagiinae.
gracilis *D. Don.*—*DC.* v. 325; *Lodd. B. C. t.* 1814.—Mexico.— $\mathcal{U}$. Spring.**NELUMBO** *Adans.*—*N. Pff.* iii. 2. 5.—Nymphaeaceae—Nelumbonoideae.

nucifera *Gaertn.*—*N. Pff.* l. c.—*Nelumbium speciosum* Willd. *DC.* i. 113; *B. M. t.* 903; *Wight, Ill. Bot. t.* 9.—Tropical and subtropical Asia and N. Australia.— $\mathcal{U}$. Summer.

NEMESIA *Vent.*—*N. Pff.* iv. 3b. 57.—Scrophulariaceae—Antirrhinoideae—Antirrhineae.

strumosa *Benth.*—*DC.* x. 260; *B. M. t.* 7272.—S. Africa.— $\odot$. Spring and summer.

NEPETA *L.*—*N. Pff.* iv. 3a. 235.—Labiatae—Stachyoideae—Nepeteae.

cyanea *Stev.*—*DC.* xii. 383.—Caucasus.— $\mathcal{U}$.

macrantha *Fisch.*—*DC.* xii. 387.—Altai Mountains.— $\mathcal{U}$.

Mussini *Henkel.*—*DC.* xii. 385; *B. M. t.* 23, as *M. longiflora*.—Caucasus.— $\mathcal{U}$. Spring and summer.

Nepetella *L.*—*DC.* xii. 383; *Fl. d'It.* n. 3114.—S. Europe.— $\mathcal{U}$.

racemosa *Lam.*—*DC.* xii. 385.—Orient.— $\mathcal{U}$.

tuberosa *L.*—*DC.* xii. 375; *Fl. d'It.* n. 3109.—S. Europe.— $\mathcal{U}$.

† **NEPHELIUM** *L.*—*N. Pff.* iii. 5. 331.—Sapindaceae—Nepheliæ.

leiocarpum *F. Müll.*—*Fl. Austr.* i. 467.—Queensland, N. S. Wales.— $\frac{1}{2}$. June–July.

tomentosum *F. Müll.*—*Fl. Austr.* i. 466.—Queensland, N. S. Wales.— $\frac{1}{2}$.

NEPHRODIUM *Rich.*—*N. Pff.* i. 4. 167.—Polypodiaceae—Aspidieae.

molle *Desv.*—*Hook. & Bak. Syn. Fil.* 293.—Mexico, Peru, New Zealand.— $\mathcal{U}$.

patens *Desv.*—*Hook. & Bak. Syn. Fil.* 293.—Central America, Japan, Polynesia.— $\mathcal{U}$.

NEPHROLEPIS Schott.—*N. Pff.* i. 4. 205.—Polypodiaceæ—Davalliæ.

cordifolia Presl.—*N. Pff.* i. 4. 206. fig. 111; *Hook. & Bak. Syn. Fil.* 300.—Tropical America, India to Japan, Australia, New Zealand, tropical Africa.— γ .

NERINE Herb.—*N. Pff.* ii. 5. 106.—Amaryllidaceæ—Amaryllidoideæ—Amaryllideæ—Amaryllidinæ.

Bowdeni W. Wats.—*Gard. Chron.* 1904, ii. 365; *Flora & Sylva*, 1905, p. 120; *B. M.* t. 8117.—Cape.— γ . October.
sarniensis Herb.—*Kunth, En.* v. 617; *Bak. Am.* 99; *Fl. Cap.* vi. 209; *B. M.* t. 294; *Red. Lil.* t. 33; *Jacq. H. Sch.* t. 66.—Cape.— γ .

undulata Herb.—*Kunth, En.* v. 621; *Bak. Am.* 102; *Fl. Cap.* vi. 212; *B. M.* t. 369; *Red. Lil.* t. 115.—Cape.— γ .

venusta Herb. in *B. M.* t. 1090; *Bak. Am.* 100; *Fl. Cap.* vi. 210.—Cape.— γ .

†**NERIUM** L.—*N. Pff.* iv. 2. 180.—Apocynaceæ—Echitoideæ—Echitideæ.

Oleander L.—*DC.* viii. 420; *Fl. d' It.* n. 2733.—Mediterranean region.— γ . Summer.

NERTERA Banks & Sol.—*N. Pff.* iv. 4. 131.—Rubiaceæ—Coffeoidæ—Psychotriinæ—Anthospermeæ.

depressa Banks & Sol.—*Hdb. Fl. N. Zeald.* 120; *Fl. d. S.* t. 2167.—New Zealand, S. America.— γ .

Nesæa Comm. = *Heimia*.

NEVIUSIA A. Gr.—*N. Pff.* iii. 3. 28.—Rosaceæ—Rosoideæ—Kerrieæ.

alabamenis A. Gr.—*B. M.* t. 6806; *Gard. Chron.* 1904, i. 229.—Alabama.— γ .

NICANDRA Adans.—*N. Pff.* iv. 3 b. 11.—Solanaceæ—Nicandreæ.

physaloides Gaertn.—*DC.* xiii. 1. 434; *B. M.* t. 2458; *Fl. d' It.* n. 2879.—Peru.— $\odot$. Summer-autumn.

†**NICODEMIA** Ten.—*N. Pff.* iv. 2. 49.—Loganiaceæ—Buddleioideæ.

diversifolia Ten.—*N. Pff.* l. c.—Madagascar.— γ .

‡**NICOTIANA** *L.*—*N. Pff.* iv. 3b. 32.—Solanaceæ—Cestree—Nicotianinæ.

alata *Link & Otto.*—*DC.* xiii. 1. 567.—S. Brazil.—☉ ⊕. Spring, autumn.

Bigelovii *S. Wats.*—*Nich. Dict. Gard. Suppl.* 553.—California.—☉. Spring, autumn.

colossea *E. André* = *tomentosa*.

glaucia *R. Grah.*—*DC.* xiii. 1. 562; *B. M.* t. 2837; *Fl. d'It.* n. 2862.—Brazil, Argentina.—½. All the year.

longiflora *Cav.*—*DC.* xiii. 1. 566.—Chili, Argentina.—☉.

noctiflora *Hook.* in *B. M.* t. 2785; *DC.* xiii. 1. 566.—Chili.—☉. Spring, autumn.

paniculata *L.*—*DC.* xiii. 1. 561.—Peru.—☉. Summer.

rustica *L.*—*DC.* xiii. 1. 563; *Fl. d'It.* n. 2863.—Central and S. America.—☉. Spring, summer.

Sanderæ *Hort.*—*Gard. Chron.* 1903, ii. 256.—Garden origin.—☉. Spring, autumn.

suaveolens *Lehm.*—*DC.* xiii. 1. 565; *Vent. J. Malm.* t. 10; *B. M.* t. 673.—Australia.—☉. Spring, summer.

sylvestris *Speg. & Comes.*—*B. M.* t. 7652; *Gard. Chron.* 1899, ii. 357; *Nich. Dict. Suppl.* 553.—Argentina.—☉. Summer, autumn.

Tabacum *L.*—*DC.* xiii. 557; *Fl. d'It.* n. 2864.—Tropical America.—☉. Summer.

tomentosa *Rz. & Pav.*—*B. M.* t. 7252; *Nich. Dict. Gard. Suppl.* 553.—*Lehmannia tomentosa* *Spreng.* *DC.* xiii. 1. 572.—Peru.—½. Summer.

wigandioides *C. Koch & Fint.*—*Nich. Dict. Gard.* 451. fig. 692.—Colombia.—½. Spring.

NIEREMBERGIA *Rz. & Pav.*—*N. Pff.* iv. 3b. 34.—Solanaceæ—Cestree—Nicotianinæ.

gracilis *Hook.* in *B. M.* t. 3108; *DC.* xiii. 1. 585.—Argentina.—¼. March–June.

‡**NOLINA** *Michx.*—*N. Pff.* ii. 5. 71.—Liliaceæ—Dracænoideæ—Nolineæ.

Beldingi *Brandege* in *Zoe*, i. 1890, 305.—Lower California.—½.

erumpens *S. Wats.*—*Bak. Al. & Yucc.* 235.—Texas, Mexico.—¼. June.

longifolia *Hemsl.*—*Bak. Al. & Yucc.* 235; *Gard. Chron.* 1894, ii. 67.—South-central Mexico.—½. June.

NOLINA (*continued*).

- Ædipus* Rose = *Beaucarnea gracilis* Lem. (see Supplement).
Purpusii Rose = *Beaucarnea stricta* Lem. (see Supplement).
recurvata Lem. = *Beaucarnea recurvata* Lem. (see Supplement).
 „ var. *stricta* Lem. = *Beaucarnea stricta* Lem. (see Supplement).

- NOLTIA** *Reichb.*—*N. Pff.* iii. 5. 415.—Rhamnaceæ—Rhamneæ.
africana *Reichb.*—*N. Pff.* iii. 5. 415.—*Ceanothus africanus* L.
DC. ii. 32.—S. Africa.—½.

Nopalea Salm = *Opuntia*.

- NOTELÆA** *Vent.*—*N. Pff.* iv. 2. 10.—Oleaceæ—Oleoideæ—Oleineæ.
excelsa *Webb & Berth.*—*N. Pff.* iv. 2. 10.—*Olea excelsa* Ait.
DC. viii. 288.—Canaries, Madeira.—½. April.

- NOTHOPANAX** *Miq.*—*N. Pff.* iii. 8. 47.—Araliaceæ—Schefflereæ.
arboreum *Seem.*—*N. Pff.* l. c.—*Panax arboreum* Forst. *Hdb. Fl. N. Zeald.* 102. 730.—New Zealand.—½.
longissimum *Hook. fl.*—*Hdb. Fl. N. Zeald.* 102, as *Panax*.
 —New Zealand.—½.

- NOTHOSCORDUM** *Kunth.*—*N. Pff.* ii. 5. 57.—Liliaceæ—Allioideæ—Allieæ.
fragrans *Kunth, En.* iv. 461; *B. M. t.* 1129.—Subtropical America.—¼. April.

Notonia *DC.* = *Kleinia*.

- NUTTALLIA** *Torr. & Gr.*—*N. Pff.* iii. 3. 51.—Rosaceæ—Prunoideæ.
cerasiformis *Torr. & Gr.*—*Gard. Chron.* 1896, i. 489; *Bossche, Ic. Sel.* t. 78; *Schneider, Hdb. Laubh.* i. 650.—N. W. America.
 —½. April.

- NYMPHÆA** *J. E. Smith.*—*N. Pff.* iii. 2. 7.—Nymphæaceæ—Nymphæoideæ.
Robinsoniana *Hort.*—*Gard. Chron.* 1896, ii. 558. fig. 98; *Henk. Rehn. & Dittm. Nymph.* 100.—Garden origin.—¼. Summer.
tuberosa *A. Paine.*—*B. M. t.* 6536; *Henk. Rehn. & Dittm. Nymph.* 81.—Eastern N. America.—¼. Summer.

OCHNA *L.*—*N. Pff.* iii. 6. 139.—Ochnaceæ—Exalbuminosæ—Ourateæ.

atropurpurea *DC.* i. 736; *Fl. Cap.* i. 448.—S. Africa.—½. June.

† **OCIMUM** *L.*—*N. Pff.* iv. 3a. 369.—Labiatae—Ocimoideæ—Moschosminæ.

Basilicum *L.*—*DC.* xii. 32; *Fl. d'It.* n. 3216.—Tropical Asia and Africa.—☉. Summer.

viride *Willd.*—*DC.* xii. 34; *Fl. Trop. Afr.* v. 337.—Tropical W. Africa.—¼ ½.

† **OCOTEA** *Aubl.*—*N. Pff.* iii. 2. 116.—Lauraceæ—Persoideæ—Cinnamomeæ.

foetens *Benth. & Hook. f.*—*DC.* xv. 1. 118; *Baillon, Mon. Laur.* ii. fig. 250.—Canaries.—½.

ODONTOGLOSSUM *H. B. K.*—*N. Pff.* ii. 6. 197.—Orchidaceæ—Monandrar—Oncidiinæ—Odontoglosseæ.

crispum *Lindl.*—*Nich. Dict. Gard.* 470. fig. 715.—Colombia.—¼.

Rossii *Lindl.*—*Nich. Dict. Gard.* 475. fig. 717.—Mexico.—¼.

† **ODONTOSPERMUM** *Neck.*—*N. Pff.* iv. 5. 209.—Compositæ—Inuleæ—Bupthalthinæ.

maritimum *Schultz Bip.*—*N. Pff. l. c.*—*Asteriscus maritimus* Moench, *DC.* v. 486; *W. & L. Fl. Hisp.* ii. 47.—Mediterranean region, Canaries.—¼. April–June.

sericeum *Schultz Bip.*—*DC.* v. 486; *B. M. t.* 1836, as *Bupthalthum*.—Canaries.—½. April–May.

CENANTHE *L.*—*N. Pff.* iii. 8. 204.—Umbelliferæ—Apioideæ—Ammineæ—Seselinæ.

peucedanifolia *Poll.*—*DC.* iv. 137.—Europe.—¼. April–May.

CENOTHERA *L.*—*DC.* iii. 45.—Onagraceæ—Onagrar—Cenotherinæ.

biennis *L.*—*DC.* iii. 46.—*Fl. d'It.* n. 2216.—N. America.—☉. May.

fruticosa *L.*—*DC.* iii. 50; *B. M. t.* 332.—Virginia.—¼. Spring.

macrocarpa *Pursh.*—*DC.* iii. 47; *B. M. t.* 1592.—N. America.—¼. Spring.

odorata *Jacq.*—*DC.* iii. 48.—Patagonia.—¼. Spring.

rosea *Ait.*—*DC.* iii. 51; *B. M. t.* 347; *Fl. d'It.* n. 2215.—Mexico.—¼. Spring–summer.

OFTIA *Adans.*—*N. Pff.* iv. 3b. 360.—Myoporaceæ.

Jasminum *Wettst.*—*N. Pff.* l. c.—*Spielmannia africana* DC.
xi. 526; *B. M.* t. 1899.—S. Africa.— $\frac{1}{2}$.

† **OLEA** *L.*—*N. Pff.* iv. 2. 12.—Oleaceæ—Oleoideæ—Oleineæ.

chrysophylla *Lam.*—DC. viii. 285; *Fl. Trop. Afr.* iv. 1. 18.
—Tropical Africa, Arabia, Mascarene Islands.— $\frac{1}{2}$.

cuspidata *Wall.*—DC. viii. 285; *Fl. Brit. Ind.* iii. 611;
Brandis, For. Fl. 307. t. 38.—Himalaya.— $\frac{1}{2}$.

europæa *L.*—DC. viii. 284; *Fl. d'It.* n. 2725.—Orient,
Mediterranean region.— $\frac{1}{2}$. May.

excelsa *Ait.* = *Notelæa excelsa*.

laurifolia *Lam.*—DC. viii. 287; *Fl. Cap.* iv. 1. 487.—O.
undulata *Jacq. H. Sch.* t. 2; *B. M.* t. 3089.—S. Africa.—
— $\frac{1}{2}$. June.

undulata *Jacq.* = *laurifolia*.

verrucosa *Link.*—DC. viii. 285; *Fl. Cap.* iv. 1. 486; *Mar-*
loth, Kapld. 109. 111.—S. Africa.— $\frac{1}{2}$. May.

OLEARIA *Moench.*—*N. Pff.* iv. 5. 166.—Compositæ—Astereæ—
Asterinæ.

argophylla *F. Müll.*—*Fl. Austr.* iii. 470; *B. M.* t. 1563.—
Australia.— $\frac{1}{2}$.

avicenniæfolia *Hook. fil. Hdb. Fl. N. Zeald.* 127.—New
Zealand.— $\frac{1}{2}$.

Forsteri *Hook. fil. Hdb. Fl. N. Zeald.* 127; *Gard. Chron.*
1897, ii. 381.—New Zealand.— $\frac{1}{2}$. October–January.

Haastii *Hook. fil. Hdb. Fl. N. Zeald.* 126; *The Gard.* 1899,
ii. 206.—New Zealand.— $\frac{1}{2}$. May–June.

ilicifolia *Hook. fil. Hdb. Fl. N. Zeald.* 126.—New Zealand.— $\frac{1}{2}$.

macrodonta *Bak.*—*B. M.* t. 7065; *The Gard.* 1902, ii. 96.—
New Zealand.— $\frac{1}{2}$.

pimeleoides *Benth.*—*Fl. Austr.* iii. 479.—Australia.— $\frac{1}{2}$.

Solandri *Hook. fil. Hdb. Fl. N. Zeald.* 128.—New Zealand.— $\frac{1}{2}$.

stellulata *DC.*—*Fl. Austr.* iii. 473; *B. M.* t. 4638; *Gard.*
Chron. 1901, ii. 260.—Australia.— $\frac{1}{2}$. April.

OLINIA *Thunb.*—*N. Pff.* iii. 6a. 216.—Oliniaceæ.

capensis *Klotzsch.*—*N. Pff.* l. c.—S. Africa.— $\frac{1}{2}$.

OLMEDIELLA *Baill.*—*Notizbl. Berl. Bot. Gart.* iv. 178.—
Flacourtiaceæ—Flacourtiæ—Euflacourtiæ.

Betschleriana *Loes.*—*Notizbl. Berl. Bot. Gart.* iv. 175–181.
—*Ilex Betschleriana* *Goepp.*—Mexico.— $\frac{1}{2}$.

- OMPHALODES** Moench.—*N. Pff.* iv. 3a. 101.—Borraginaceæ—Borraginoideæ—Cynoglosseæ.
linifolia Moench.—*DC.* x. 161.—Spain, Portugal.—☉. Spring.
verna Moench.—*DC.* x. 162; *Moggr.* t. 83; *Fl. d'It.* n. 2825.—Europe.—☿. March–April.
- ‡ **ONCIDIUM** Sw.—*N. Pff.* ii. 6. 199.—Orchidaceæ—Monandræ—Oncidiinæ—Odontoglosseæ.
bifolium Sims, *B. M.* t. 1491; *Lodd. B. C.* t. 1845.—S. America.—☿. July.
crispum Lodd. *B. C.* t. 1854; *B. M.* t. 3499; *Fl. d. S.* t. 2147–8.—Brazil.—☿. July.
flexuosum Sims, *B. M.* t. 2203; *Lodd. B. C.* t. 424.—S. Brazil.—☿. October.
Forbesii Hook. *B. M.* t. 3705; *Nich. Dict. Suppl.* 564.—Brazil.—☿.
longipes Lindl. & Paxt.—*Nich. Dict.* 487.—S. Brazil.—☿. June.
Pohlianum Wettst.—S. Brazil.—☿.
pulvinatum Lindl.—*Nich. Dict.* 489.—Brazil.—☿. December.
- ONCOBA** Forsk.—*N. Pff.* iii. 6a. 17.—Flacourtiaceæ—Oncobeæ.
spinosa Forsk.—*Fl. Trop. Afr.* i. 115; *Harv. Thes. Cap.* ii. t. 142; *N. Pff.* l. c. 19. fig. 5.—Tropical Africa, S. Arabia.—♂.
- ONCOSTEMON** Juss.—*N. Pff.* iv. 1. 95.—Myrsinaceæ—Myrsinoideæ—Hymenandreae.
latifolium Mez, *Myrs. (R. V. C.)* iv. 236), 200.—*Ardisia latifolia* DC. viii. 108.—Mauritius.—♂. Spring–summer.
- ONOBRYCHIS** Gaertn.—*N. Pff.* iii. 3. 314.—Leguminosæ—Papilionatæ—Hedysareæ—Euhedysarinæ.
 **caput-galli* Lam.—*DC.* ii. 346; *Fl. d'It.* n. 2117.—S. Europe.—☿. May–June.
eriphora Desv.—*DC.* ii. 345; *Fl. Hisp.* iii. 266.—Spain, Portugal.—☿. May–June.
saxatilis All.—*DC.* ii. 345; *Fl. d'It.* n. 2115.—Mediterranean region.—☿. May–June.
viciæfolia Scop.—*DC.* ii. 344; *Fl. d'It.* n. 2114.—Europe, N. Asia.—☿. May–June.
- ONONIS** L.—*N. Pff.* iii. 3. 241.—Leguminosæ—Papilionatæ—Trifolieæ.
aragonensis Asso.—*W. & L. Fl. Hisp.* iii. 415.—Spain.—♂.

ONONIS (*continued*).

biflora Desf.—DC. ii. 160; *Moris, Fl. Sard.* t. 33; *Fl. d'It.* n. 1921.—Mediterranean region.—4. Spring.

fruticosa L.—DC. ii. 161; *Fl. d'It.* n. 1925; *Lodd. B. C. t.* 1569.—Spain, S. France.—½. Spring.

**minutissima* L.—DC. ii. 164; *Fl. d'It.* n. 1915.—Mediterranean region.—4 ½. Spring-autumn.

rotundifolia L.—DC. ii. 161; *Fl. d'It.* n. 1926; *B. M. t.* 335; *Lodd. B. C. t.* 1496.—Europe.—½. Spring.

ONOPORDON L.—*N. Pff.* iv. 5. 324.—Compositæ—Cynareæ—Carduinæ.

Acanthium L.—DC. vi. 618; *Fl. d'It.* n. 3805.—Europe, Orient.—⊕. Summer.

illyricum L.—DC. vi. 618; *Fl. d'It.* n. 3808.—Mediterranean region.—⊕. Summer.

Sibthorpium Boiss. & Heldr.—*Fl. d'It.* n. 3807.—Eastern Mediterranean region, Orient.—⊕. Summer.

tauricum Willd.—DC. vi. 618; *Fl. d'It.* n. 3806.—S. Europe, Mediterranean region.—⊕. Summer.

OPHIOPOGON Ker.—*N. Pff.* ii. 5. 85.—Liliaceæ—Ophiopogonoideæ.

japonicus Ker in *B. M. t.* 1063. — *Convallaria japonica* Thunb. *Red. Lil.* t. 80.—*Flüggea jap.* Rich. *Kunth, En.* v. 302.—Japan, China.—4. April–May.

spicatus Ker. = *Liriope graminifolia*.

OPLISMENUS Beauv.—*N. Pff.* ii. 2. 36.—Gramineæ—Paniceæ.

Burmanni Beauv. var. *albidus* Nich. *Dict. Suppl.* 569; *Kunth, En.* i. 139.—*O. imbecillis* fol. var. *Fl. d. S. t.* 1715.—India.—4. Summer.

OPOPANAX Koch.—*N. Pff.* iii. 8. 234.—Umbelliferæ—Apioideæ—Peucedaneæ—Ferulinæ.

Chironium Koch.—DC. iv. 170.—Mediterranean region.—4.

†**OPUNTIA** Mill.—*N. Pff.* iii. 6a. 199.—Cactaceæ—Opuntioideæ—Opuntieæ.

acanthocarpa Engelm. & Big. — *K. Schum. Mon.* 670.—Sonora, California, Arizona.—½. June.

albicans Salm.—*Pfeiff. En.* 155; *Salm, Cact. H. Dyck.* 237; *K. Schum. Mon.* 742.—Mexico.—½. June.

alcahes Web.—*K. Schum. Mon.* 674; *Berger in Engl. B. Jahrb.* xxxvi. 448.—Lower California.—4.

OPUNTIA (*continued*).

Amyclæa Ten. = *Ficus-indica*.

andicola Pfeiff. *En.* 145; *K. Schum. Mon.* 693.—Argentina.

— 2.

aoracantha Lem.—*K. Schum. Mon.* 691.—Argentina.— 2.

aquosa Web. = *Peireskiopsis aquosa*.

arborescens Engelm. = *imbricata*.

arbuscula Engelm.—*K. Schum. Mon.* 679.—Arizona to Sonora.— 2.

aurantiaca Gill.—*K. Schum. Mon.* 744.—Argentina.— 2. June–July.

basilaris Engelm. & Big.—*K. Schum. Mon.* 707.—Southwestern United States.— 2.

„ var. **cordata** Hort.— 2.

„ var. **ramosa** Parish.—*K. Schum. l. c.*— 2.

Beckeriana *K. Schum. Mon.* 722.—Mexico?— 2. May–July.

Bergeriana Web.—*Gard. Chron.* 1904, i. 34.—Mexico?— 2. Nearly always.

bernardina Engelm.—*K. Schum. Mon.* 674.—Southern California.— 2.

Bigelovii Engelm.—*K. Schum. Mon.* 677.—California, Arizona, Sonora.— 2.

Brandegeei *K. Schum.* = *Peireskiopsis Brandegeei*.

brasiliensis Haw.—*DC.* iii. 474; *K. Schum. Mon.* 655; *B. M.* t. 3293.—S. America.— 2. June–July.

camanchica Engelm. & Big.—*K. Schum. Mon.* 731.—Texas, Arizona.— 2. June.

caracasana *Salm, Cact. H. Dyck.* 238; *Berger in Engl. B. Jahrb.* xxxvi. 451.—Venezuela.— 2. June.

cardiosperma *K. Schum. Mon. Nachtr.* 164.—Paraguay.— 2.

Cardona Web. = *streptacantha*.

chlorotica Engelm. & Big.—*K. Schum. Mon.* 721.—Arizona, California, Sonora.— 2.

cholla Web.—*K. Schum. Mon.* 676.—Lower California.— 2.

chrysacantha Hort.—Mexico?— 2. May–June.

clavarioides *Lk. & Otto.*—*K. Schum. Mon.* 687. fig. 104.—Chili.— 2.

clavata Engelm.—*K. Schum. Mon.* 665.—New Mexico, Nevada.— 2.

OPUNTIA (*continued*).

- cochinelifera** Mill. *Dict.* ed. 8. n. 6; DC. iii. 473; Pf. & Otto. t. 24.—*Nopalea coccinellifera* Salm, *Cact. H. Dyck.* 63; K. Schum. *Mon.* 750.—Southern Mexico?— $\frac{1}{2}$. June–July.
- corrugata** Salm.—K. Schum. *Mon.* 696.—Argentina.— $\frac{1}{2}$. June.
- crinifera** Pfeiff. *En.* 157; K. Schum. *Mon.* 709.—Mexico.— $\frac{1}{2}$. June–July.
- curassavica** Mill.—DC. iii. 472; K. Schum. *Mon.* 712.—W. Indies.— $\frac{1}{2}$. June.
- cylindrica** DC. iii. 471; B. M. t. 3301; K. Schum. *Mon.* 682.—Chili.— $\frac{1}{2}$. July–August.
- „ var. **cristata**.— $\frac{1}{2}$.
- cymochila** Engelm. & Big.—K. Schum. *Mon.* 716.—Texas.— $\frac{1}{2}$.
- Darwinii** Hensl.—K. Schum. *Mon.* 695.—Patagonia.— $\frac{1}{2}$.
- Davisii** Engelm. & Big.—K. Schum. *Mon.* 673; B. M. t. 6652.—Texas, New Mexico, Arizona, California.— $\frac{1}{2}$.
- decumana** Haw.—K. Schum. *Mon.* 719.—America.— $\frac{1}{2}$. June–July.
- decumbens** Salm, *Hort. Dyck.* 361; K. Schum. *Mon.* 707.—Southern Mexico, Guatemala.— $\frac{1}{2}$. May–July.
- dejecta** Salm, *Hort. Dyck.* 361; K. Schum. *Mon.* 751.—Cuba.— $\frac{1}{2}$. June–July.
- diademata** Lem.—K. Schum. *Mon.* 692.—Argentina.— $\frac{1}{2}$.
- Dillenii** Haw.—DC. iii. 472; K. Schum. *Mon.* 724.—Dill. *H. Elth.* fig. 382.—W. Indies.— $\frac{1}{2}$. June–July.
- diplacantha** Hort. *Pan.* 1901.—Mexico?— $\frac{1}{2}$.
- eburnea** Lem.—K. Schum. *Mon.* 696, sub *O. corrugata*.—Argentina.— $\frac{1}{2}$. June.
- elata** Lk. & Otto.—K. Schum. *Mon.* 748.—S. America.— $\frac{1}{2}$. June.
- elongata** Salm, *Cact. H. Dyck.* 242; Berger in *Engl. B. Jahrb.* xxxvi. 454.—Mexico.— $\frac{1}{2}$. June–July.
- Engelmannii** Salm.—K. Schum. *Mon.* 724.—Chihuahua, Texas, New Mexico.— $\frac{1}{2}$. June.
- exaltata** Berger.—Chili, Bolivia?— $\frac{1}{2}$.
- Ficus-indica** Guss.—DC. iii. 473; K. Schum. *Mon.* 719; *Fl. d'It.* n. 1066 β .—Mexico, naturalized in the Mediterranean region.— $\frac{1}{2}$. May–July.
- „ var. **Amyclæa** Ten.—K. Schum. *l. c.*— $\frac{1}{2}$.
- „ var. **fructu albo**.— $\frac{1}{2}$.
- floccosa** Salm, *Cact. H. Dyck.* 248; K. Schum. *Mon.* 684.—Peru.— $\frac{1}{2}$.

OPUNTIA

- foliosa** *Salm, Cact. H. Dyck.* 70; *DC.* iii. 471.—Native land unknown.— $\frac{1}{2}$. June.
- fragilis** *Haw.*—*DC.* iii. 472; *K. Schum. Mon.* 738.—N. America.— $\frac{1}{2}$.
- fulgida** *Engelm. Cact. Bound.* t. 75; *K. Schum. Mon.* 676.—Sonora, California.— $\frac{1}{2}$.
- gilva** *Berger.*—? *O. Tuna Haw. DC.* iii. 472.—? *Dill. H. Elth.* fig. 380.—Cuba.— $\frac{1}{2}$. July.
- glaucescens** *Salm, H. Dyck.* 362; *K. Schum. Mon.* 742.—Mexico.— $\frac{1}{2}$. June.
- glomerata** *Haw.*—*K. Schum. Mon.* 696.—Argentina.— $\frac{1}{2}$. June.
- Gosseliniana** *Web.*—*K. Schum. Mon. Nachtr.* 154.—Sonora, Lower California.— $\frac{1}{2}$.
- Grahamii** *Engelm. Cact. Bound.* t. 72; *K. Schum. Mon.* 663.—New Mexico.— $\frac{1}{2}$.
- gymnocarpa** *Web.*—*K. Schum. Mon.* 719.—S. America.— $\frac{1}{2}$.
- hæmatocarpa** *Berger in Engl. B. Jahrb.* xxxvi. 456.—Mexico? — $\frac{1}{2}$. June.
- Hanburyana** *Web.*—*Gard. Chron.* 1904, i. 34.—Mexico? — $\frac{1}{2}$. June–July.
- hyptiacantha** *Web.*—*K. Schum. Mon.* 739.—Mexico.— $\frac{1}{2}$. June–July.
- hystricina** *Engelm. & Big.*—*K. Schum. Mon.* 736.—California, Nevada, Arizona, New Mexico.— $\frac{1}{2}$.
- imbricata** *DC.* iii. 471; *K. Schum. Mon.* 668; *B. M.* t. 8290.—Mexico, Texas, Arizona, &c.— $\frac{1}{2}$. June.
- inæquilateralis** *Berger in Engl. B. Jahrb.* xxxvi. 453.—Mexico?— $\frac{1}{2}$. June–July.
- inermis** *DC.* iii. 473, *Pl. Gr.* t. 139; *K. Schum. Mon.* 718.—W. Indies.— $\frac{1}{2}$. June.
- intermedia* *Salm* = *vulgaris*.
- invicta** *T. S. Brand.*—*K. Schum. Mon.* 662.—Lower California.— $\frac{1}{2}$.
- Karwinskiana** *Salm, Cact. H. Dyck.* 239; *K. Schum. Mon.* 752.—Mexico.— $\frac{1}{2}$.
- Kleiniae** *DC. Rev.* 118; *K. Schum. Mon.* 678.—Mexico, Texas.— $\frac{1}{2}$. June–July.
- lanigera* *Salm* = *crinifera*.
- Ledienii* *Hort.* = *Bergeriana*.

OPUNTIA (*continued*).

- Lemaireana** Cons.—Web. in *Bois. Dict.* 894.—S. America.
— $\frac{1}{2}$. June.
- leptarthra** Web. in *Bull. Mus. Hist. Nat. Par.* 1904, 393.—Mexico.— $\frac{1}{2}$.
- leptocaulis** DC. *Rev.* 118; *K. Schum. Mon.* 678.—New Mexico, Texas, Arizona to Southern Mexico.— $\frac{1}{2}$. June.
,, var. **longispina** Engelm.—Berger in *Engl. B. Jahrb.* xxxvi. 450.— $\frac{1}{2}$. June.
,, var. **vaginata** Engelm.—Berger, *l. c.*— $\frac{1}{2}$. June.
- leucotricha** DC. *Rev.* 119; *K. Schum. Mon.* 711.—Mexico.— $\frac{1}{2}$. June-July.
- macrorhiza** Engelm.—*K. Schum. Mon.* 717.—N. America.— $\frac{1}{2}$.
maculacantha Först. = *sulphurea*.
- megacantha** Salm, *Hort. Dyck.* 363; Berger in *Engl. B. Jahrb.* xxxvi. 452.—Mexico.— $\frac{1}{2}$. June-July.
,, var. **lasiacantha** Pfeiff.—Berger, *l. c.*— $\frac{1}{2}$.
- microdasys** Lehm.—*K. Schum. Mon.* 706.—Mexico.— $\frac{1}{2}$. June.
,, var. **rufida** *K. Schum. l. c.* non Engelm.— $\frac{1}{2}$.
- Miquelii** Monv.—*K. Schum. Mon.* 685; Berger in *Monatsschrft.* —Chili.— $\frac{1}{2}$. July.
- missouriensis* DC. = *polyacantha* Haw.
- mojavensis** Engelm.—*K. Schum. Mon.* 731.—Colorado, California.— $\frac{1}{2}$. June.
- monacantha** Haw.—DC. iii. 472, *Pl. Gr. t.* 138; *K. Schum. Mon.* 745.—S. America.— $\frac{1}{2}$. April-December.
- nana** Vis. *Fl. Dalm.* iii. 143.—*O. vulgaris* Auct. DC. iii. 474; *K. Schum. Mon.* 714.—Eastern United States, naturalized in Southern Europe.— $\frac{1}{2}$. May-June.
- Nashii** Britton, *Bull. N. York B. G.* iii. 1905, 446.—Bahama Islands.— $\frac{1}{2}$.
- nigricans** Haw.—DC. iii. 473; *K. Schum. Mon.* 727.—Mexico.— $\frac{1}{2}$. June.
- ovata** Pfeiff. *En.* 144; *K. Schum. Mon.* 696.—Chili, Argentina.— $\frac{1}{2}$.
- paraguayensis** *K. Schum. Nachtr.* 160.—Paraguay.— $\frac{1}{2}$. June-July.
- parva** Berger.—Tropical America.— $\frac{1}{2}$. June-July.
- Pentlandii** Salm.—*K. Schum. Mon.* 698.—Bolivia.— $\frac{1}{2}$.
- pes-corvi** Leconte.—*K. Schum. Mon.* 713.—Florida.— $\frac{1}{2}$. June.

OPUNTIA

- phæacantha** Engelm.—*K. Schum. Mon.* 730.—New Mexico, Arizona, Chihuahua.— $\frac{1}{2}$.
- pilifera** Web.—*K. Schum. Mon.* 709.—Mexico.— $\frac{1}{2}$.
- pititache** Web. = *Peireskiopsis pititache*.
- platyacantha** Salm.—*K. Schum. Mon.* 693.—Argentina.— $\frac{1}{2}$.
- polyacantha** Haw.—*B. M. t.* 7046.—*O. missouriensis* DC. iii. 472; *K. Schum. Mon.* 733.—N. America.— $\frac{1}{2}$. June.
- polyantha** Haw.—DC. iii. 472; *K. Schum. Mon.* 724; *B. M. t.* 2691.—W. Indies?— $\frac{1}{2}$. June–July.
- Porteri** Web. = *Peireskiopsis Porteri*.
- prolifera** Engelm.—*K. Schum. Mon.* 675; *Berger in Engl. B. Jahrb.* xxxvi. 449.—Arizona, California.— $\frac{1}{2}$. June.
- puberula** Pfeiff. *En.* 156; *K. Schum. Mon.* 709.—Mexico.— $\frac{1}{2}$. July.
- quipa** Web.—*K. Schum. Nachtr.* 162.—Brazil.— $\frac{1}{2}$.
- quitensis** Web.—*K. Schum. Mon.* 747; *Berger in Engl. B. Jahrb.* xxxvi. 452.—Ecuador.— $\frac{1}{2}$. June.
- Rafinesquei** Engelm.—*K. Schum. Mon.* 715; *Fl. d. S. t.* 2328; *B. M. t.* 7041.—N. America.— $\frac{1}{2}$. June.
- ramosissima** Engelm.—*K. Schum. Mon.* 680.—Arizona, California, Sonora.— $\frac{1}{2}$.
- rhodantha** *K. Schum. Mon.* 735.—Colorado.— $\frac{1}{2}$. June.
- robusta** Wendl.—*K. Schum. Mon.* 741.—Mexico.— $\frac{1}{2}$. June.
- rosea** DC. iii. 471, *Rev. t.* 15.—Mexico.— $\frac{1}{2}$. June.
- rotundifolia** *K. Schum.* = *Peireskiopsis rotundifolia*.
- rubescens** Salm.—DC. iii. 474; *K. Schum. Mon.* 743.—Brazil.— $\frac{1}{2}$.
- rufida** Engelm.—*Griffiths in Rept. Miss. B. G.* 1909, 81. 82.—Mexico.— $\frac{1}{2}$.
- Ruthei** Hort.—Mexico.— $\frac{1}{2}$. June–July.
- rutila** Nutt.—*K. Schum. Mon.* 737.—United States.— $\frac{1}{2}$.
- Salmiana** Parm.—*K. Schum. Mon.* 688; *Pfeiff. & Otto t.* 6; *B. M. t.* 4542.—Brazil.— $\frac{1}{2}$. June–July.
- Scheerii** Web.—*K. Schum. Mon.* 710, *Nachtr.* 156.—Mexico.— $\frac{1}{2}$. May–June.
- Schickendantzii** Web.—*K. Schum. Mon.* 688.—Argentina.— $\frac{1}{2}$. June.
- Schumannii** Web.—*Gard. Chron.* 1904, i. 34.—Mexico?— $\frac{1}{2}$. June.
- serpentina** Engelm.—*K. Schum. Mon.* 670.—California.— $\frac{1}{2}$.
- spathulata** Web. = *Peireskiopsis spathulata*.

OPUNTIA (*continued*).

Spegazzinii Web.—*K. Schum. Mon.* 689; *Berger in Engl. B. Jahrb.* xxxvi. 449.—Argentina.—½. June–July.

spinosissima Mill.—*DC.* iii. 472; *K. Schum. Mon.* 705.—Jamaica.—½.

spinulifera Salm.—*K. Schum. Mon.* 741.—Mexico.—½.

stenarthra *K. Schum. Mon. Nachtr.* 163.—Paraguay.—½.

stenopetala Engelm. *Cact. Bound.* 46. t. 66.—Mexico.—½. June.

streptacantha Lem.—*K. Schum. Mon.* 739.—Mexico.—½. June.

stricta Haw. = *O. inermis*.

subulata Engelm. in *Gard. Chron.* 1883, i. 632; *K. Schum. Mon.* 680; *Gard. Chron.* 1903, ii. 91.—Chili, Bolivia.—½. Summer and autumn.

sulphurea Gill.—*K. Schum. Mon.* 745.—Argentina.—½. June.

tesajo Engelm.—*K. Schum. Mon.* 679; *Berger in Engl. B. Jahrb.* xxxvi. 450.—Lower California.—½. June.

texana Griffiths in *Rept. Miss. B. G.* 1909, 92. t. 9.—Texas.—½. June.

tomentosa Salm.—*DC.* iii. 473; *K. Schum. Mon.* 708.—Mexico.—½. July.

triacantha *DC.* iii. 473. (not of *Schumann!*)—W. Indies.—½.

tunicata Lk. & Otto.—*K. Schum. Mon.* 667; *Berger in Engl. B. Jahrb.* xxxv. 448.—Mexico.—½. July.

Turpini Lem.—*Berger in Engl. B. Jahrb.* xxxvi. 450.—Argentina.—½. June–July.

ursina Web.—*K. Schum. Mon.* 710.—California.—½.

velutina Web.—Mexico.—½. June–July.

Verschaffeltii Cels.—*K. Schum. Mon.* 683.—Bolivia.—½. July.

vestita Salm.—*K. Schum. Mon.* 684.—Bolivia.—½. June–July.

vulgaris Auct. = *nana*.

Whipplei Engelm. & Big.—*K. Schum. Mon.* 669.—South-western United States.—½.

Winteriana *Berger in Engl. B. Jahrb.* xxxvi. 455.—Tropical America?—½. June.

xanthostemma *K. Schum. Mon.* 735.—Colorado.—½.

zacuapanensis *Berger*.—Mexico.—½. June–July.

ORCHIS *L.*—*N. Pff.* ii. 6. 88.—Orchidaceæ—Monandracæ—Ophrydinæ—Serapiadææ.

longibracteata *Biv.*—*Fl. d'It.* n. 816; *Moggridge*, t. 17.—*Barlia longibr.* *Parl. Barla, Orch.* t. 25.—S. Europe, N. Africa.— $\frac{1}{2}$. February–March.

purpurea *Huds.*—*Fl. d'It.* n. 824; *Bicknell*, t. 63.—Western Asia, South and Central Europe.— $\frac{1}{2}$. May.

Oreodaphne californica *Nees* = *Umbellularia californica*.

† **OREOPANAX** *Decne. & Planch.*—*N. Pff.* iii. 8. 39.—Araliaceæ—Schefflereæ.

capitatus *Decne. & Planch.*—*N. Pff.* l. c. 40; *DC.* iv. 262, as *Hedera*.—Tropical America.— $\frac{1}{2}$. October–November.

dactylifolius *Nich. Dict. Gard.* 522.—Mexico.— $\frac{1}{2}$. December–March.

Epremesnilianus *Hort. Mort.*—Mexico?— $\frac{1}{2}$. March.

palmatius *Berger.*—*DC.* iv. 264, as *Hedera cheiropphylla*.—S. America.— $\frac{1}{2}$. October–January.

stellatus *Hort.*—Mexico?— $\frac{1}{2}$. July.

Thibautii *Hook. fil. B. M.* t. 6340.—Mexico.— $\frac{1}{2}$. March.

xalapensis *Decne. & Planch.*—*N. Pff.* l. c. 40; *DC.* iv. 264, as *Hedera*.—Mexico.— $\frac{1}{2}$. March.

ORIGANUM *L.*—*N. Pff.* iv. 3a. 308.—Labiatae—Stachyoideæ—Thymineæ.

Dictamnus *L.*—*DC.* xii. 191; *B. M.* t. 298.—Crete.— $\frac{1}{2}$ $\frac{1}{2}$. June.

virens *Hffm. & Lk.*—*DC.* xii. 193.—Spain, Canaries, Azores.— $\frac{1}{2}$.

ORNITHOGALUM *L.*—*N. Pff.* ii. 5. 67.—Liliaceæ—Lilioideæ—Scilleæ.

arabicum *L.*—*Kunth, En.* iv. 353; *B. M.* t. 728. 3179; *Red. Lil.* t. 63; *Fl. d'It.* n. 653.—S. Europe, N. Africa.— $\frac{1}{2}$. May.

caudatum *Ait.*—*Kunth, En.* iv. 357; *Fl. Cap.* vi. 515; *B. M.* t. 805; *Ref. Bot.* t. 262.—S. Africa.— $\frac{1}{2}$.

Eckloni *Schlecht.*—*Fl. Cap.* vi. 513; *Ref. Bot.* t. 177.—S. Africa.— $\frac{1}{2}$.

graminifolium *Thunb.*—*Kunth, En.* iv. 358; *Fl. Cap.* vi. 511; *Red. Lil.* t. 312; *B. M.* t. 972.—S. Africa.— $\frac{1}{2}$. October–November.

lacteam *Jacq.*—*Kunth, En.* iv. 354; *Fl. Cap.* vi. 505; *B. M.* t. 1134; *Red. Lil.* t. 418; *Lodd. B. C.* t. 1159.—S. Africa.— $\frac{1}{2}$.

ORNITHOGALUM (*continued*).

longebracteatum Jacq.—*Kunth, En.* iv. 357; *Fl. Cap.* vi. 514; *Red. Lil.* t. 120.—S. Africa.— γ .

montanum Cyr.—*Kunth, En.* iv. 360; *Fl. d'It.* n. 650.—S. Italy.— γ .

OROBANCHE *L.*—*N. Pff.* iv. 3b. 129.—Orobanchaceæ.

***Hederæ** Duby.—*DC.* xi. 28; *Fl. d'It.* n. 3055.—Europe.— γ . May–July.

***ramosa** *L.*—*N. Pff. l.c.* 130.—*DC.* xi. 8.—*Fl. d'It.* n. 3025, sub *Kopsia*.—Europe, Asia, Africa.— $\odot$. May–June.

Orontium japonicum Thunb. = *Rohdea*.

† **ORTHOSTEMON** *Berg.*—*N. Pff.* iii. 7. 63.—Myrtaceæ–Myrtoideæ–Myrteæ–Orthostemoninæ.

Sellowianus *Berg.*—*Feijoa Sellowiana* *Berg. B. M.* t. 7620.—Brazil.— γ . July.

OSMANTHUS *Lour.*—*N. Pff.* iv. 2. 9. —Oleaceæ–Oleoideæ–Oleineæ.

Aquifolium *Sieb.*—*Stapf in Kew Bull.* 1911, 177. fig. A.—Japan.— γ . July.

Fortunei *Carr.*—*Stapf in Kew Bull.* 1911, 177. fig. B.—Japan.— γ . July.

fragrans *Lour.*—*DC.* viii. 291; *B. M.* t. 1552; *Lodd. B. C.* t. 1786, sub *Olea*.—Japan, China.— γ . October–December.

„ var. **rubra** *Hort. Frut. Vilmor.* 184.— γ . October.

OSTEOMELES *Lindl.*—*N. Pff.* iii. 3. 22.—Rosaceæ–Pomoideæ–Pomarieæ.

anthyllidifolia *Lindl.*—*B. M.* t. 7354; *Schneider, Hdb. Laubh.* i. 762.—Pacific Islands, China.— γ .

† **OSTEOSPERMUM** *L.*—*N. Pff.* iv. 5. 306.—Compositæ–Calenduleæ.

moniliferum *L.*—*DC.* vi. 460; *Fl. Cap.* iii. 436; *Wood, Nat. Pl.* t. 55.—Cape.— γ . February–May.

OSTROWSKIA *Regel.*—*N. Pff.* iv. 5. 52.—Campanulaceæ–Campanuloideæ–Campanulinæ.

magnifica *Regel.*—*B. M.* t. 7472.—Central Asia.— γ .

OSTRYA *Scop.*—*N. Pff.* iii. 1. 43.—Betulaceæ–Coryleæ.

***carpinifolia** *Scop.*—*DC.* xvi. 2. 125; *Fl. d'It.* n. 897.—Mediterranean region.— γ . April.

† **OTHONNA** *L.*—*N. Pff.* iv. 5. 303.—Compositæ—Senecioneæ—Othonninaæ.

Athanasia *L. fil.*—*DC.* vi. 444; *Jacq. H. Sch.* t. 242; *Fl. Cap.* iii. 410, as *Euryops*.—Cape.— $2\frac{1}{2}$. February–April.

crassifolia *Harv. Fl. Cap.* iii. 336; *Ref. Bot.* t. 253.—Cape.— $2\frac{1}{2}$. Spring, summer.

triplinervia *DC.* vi. 478; *Fl. Cap.* iii. 337; *Ref. Bot.* t. 225.—Cape.— $\frac{1}{2}$. October–April.

OTHONNOPIS *Jaub. & Spach.*—*Benth. & Hook. f. Gen. Pl.* ii. 451.—*Hertia* *Neck. N. Pff.* iv. 5. 289.—Compositæ—Senecioneæ—Senecioninaæ.

cheirifolia *Benth. & Hook. f.*—*Nich. Dict. Gard.* 533. fig. 787.—*DC.* vi. 476, sub *Othonna*.—Algeria, Tunis.— $2\frac{1}{2}$. Autumn–spring.

OWENIA *F. Müll.*—*N. Pff.* iii. 4. 301.—Meliaceæ—Melioidæ—Trichilieæ.

cerasifera *F. Müll.*—*Fl. Austr.* i. 386.—Queensland.— $\frac{1}{2}$.

† **OXALIS** *L.*—*N. Pff.* iii. 4. 19.—Oxalidaceæ.

asinina *Jacq.*—*DC.* i. 697; *Fl. Cap.* i. 318.—Cape.— $2\frac{1}{2}$. Spring.

„ var. **leporina** *Sond. Fl. Cap.* i. 319.—Cape.— $2\frac{1}{2}$. Spring. *Bowieana* *Lodd.* = *purpurata*.

cernua *Thunb.*—*DC.* i. 696; *Fl. Cap.* i. 348; *Lodd. B. C.* t. 1154.—Cape.— $2\frac{1}{2}$. November–May.

Deppei *Lodd.* = *tetraphylla*.

hirta *L.*—*DC.* i. 693; *Fl. Cap.* i. 343; *Lodd. B. C.* t. 213.—Cape.— $2\frac{1}{2}$. April–May.

purpurata *Jacq. H. Sch.* t. 356; *DC.* i. 696; *Fl. Cap.* i. 349.—*Lodd. B. C.* t. 1782.—Cape.— $2\frac{1}{2}$. October.

tetraphylla *Cav.*—*DC.* i. 695.—*O. Deppei* *Lodd. B. C.* t. 1500.—Mexico.— $2\frac{1}{2}$. May.

variabilis *Lindl.* var. **alba** *Sond. Fl. Cap.* i. 331; *B. M.* t. 1683.—Cape.— $2\frac{1}{2}$.

„ var. **rubra** *Sond. l.c.*—Cape.— $2\frac{1}{2}$.

† **OXERA** *Labill.*—*N. Pff.* iv. 3a. 174.—Verbenaceæ—Viticoideæ—Clerodendreæ.

pulchella *Labill.*—*B. M.* t. 6938.—New Caledonia.— $\frac{1}{2}$ §.

OXYBAPHUS *L'Hérit.*—*N. Pff.* iii. 1b. 24, under *Mirabilis*.—Nyctaginaceæ—Mirabileæ—Boerhaviinaæ.

glabrifolius *Vahl.*—*DC.* xiii. 2. 431.—Mexico.— $2\frac{1}{2}$. April–June.

nyctagineus *Sweet.*—*DC.* xiii. 2. 434.—N. America.— $2\frac{1}{2}$.

OXYBAPHUS (*continued*).

viscosus L'Hér.—DC. xiii. 2. 430; *B. M.* t. 434.—Peru.— $\mathcal{U}$.

OXYPETALUM *R. Br.*—*N. Pff.* iv. 2. 259.—Asclepiadaceæ—Cynanchoideæ—Asclepiadeæ—Oxypetalinæ.

cœruleum Decne.—DC. viii. 585; *B. M.* t. 3630; *Fl. d. S.* t. 347.—Argentina.— $\mathcal{U}$. Spring—summer.

‡**PACHYPHYTUM** Klotzsch.—*N. Pff.* iii. 2a. 34.—Crassulaceæ.

bracteosum Klotzsch.—*B. M.* t. 4951.—Mexico.— $\mathcal{U}$. Summer.
uniflorum Rose = *Echeveria uniflora*.

Pachyrhizus Thunbergianus S. & Z. = *Pueraria hirsuta*.

PÆDERIA *L.*—*N. Pff.* iv. 4. 125.—Rubiaceæ—Coffeoidæ—Psychotriinæ—Pæderiæ.

tomentosa Blume.—DC. iv. 471; *Fl. Brit. Ind.* iii. 197.—Japan, China, Himalaya, Malay Islands.— $\mathcal{U}$ §.

‡**PÆONIA** *L.*—*N. Pff.* iii. 2. 55.—Ranunculaceæ—Pæoniæ.

albiflora Pall.—DC. i. 66; *B. M.* t. 1756. 2888.—Siberia.— $\mathcal{U}$. May.

arborea Donn.—Schneider, *Hdb. Laubh.* i. 271.—*P. Moutan* Sims, *B. M.* t. 1154.—China, Japan.— $\mathcal{U}$. April.

corallina Retz.—DC. i. 65.—Europe.— $\mathcal{U}$. April.

lutea Franch.—*B. M.* t. 7788.—China.— $\mathcal{U}$.

Mlokosewitschi Lomak. in *Act. Hort. Tifl.* ii. 282.—Caucasus.— $\mathcal{U}$.

Moutan Ait. = *arborea*.

peregrina Mill.—DC. i. 66; *B. M.* t. 1050; *Moggr.* t. 3.—S. Europe.— $\mathcal{U}$. March—April.

PALIURUS *Juss.*—*N. Pff.* iii. 5. 401.—Rhamnaceæ—Zizypheæ.

Spina-Christi Mill.—*Fl. d'It.* n. 2422.—*P. aculeatus* Lam.—DC. ii. 22; *B. M.* t. 1893.—S. Europe, Temperate Asia.— $\mathcal{U}$. May—June.

Panax aculeatum Dryand. = *Acanthopanax*.

„ *arboreum* Forst. = *Nothopanax*.

„ *longissimum* Hook. fil. = *Nothopanax*.

PANCRATIUM *L.*—*N. Pff.* ii. 5. 112.—Amaryllidaceæ—Amaryllidoideæ—Narcisseæ—Pancratiinæ.

canariense Ker.—*Kunth, En.* v. 659.—Canary Islands.— $\mathcal{U}$. November.

illyricum *L.*—*Kunth, En.* 660; *Red. Lil.* t. 153; *Fl. d'It.* n. 760.—Western Mediterranean region.— $\mathcal{U}$. May.

PANCRATIUM (*continued*).

maritimum *L.*—*Kunth, En.* v. 658; *Fl. d'It.* n. 759; *Red. Lil.* t. 8; *Bicknell*, t. 68.—Mediterranean shores.— $\mathcal{U}$.
July–October.

‡ **PANDOREA** *Spach.*—*N. Pff.* iv. 3b. 230.—Bignoniaceæ–
Tecomeæ.

australis *Spach.*—*N. Pff.* l. c.—*Tecoma australis* *R. Br.*
DC. ix. 225; *Fl. Austr.* iv. 537.—*Bignonia pandorea* *Vent.*
Jard. Malm. t. 43; *B. M.* t. 865.—E. Australia.— $\frac{1}{2}$ §.
April–June.

jasminoides *K. Schum.*—*N. Pff.* l. c.—*Tecoma jasminoides*
Lindl. DC. ix. 225; *Fl. Austr.* iv. 537; *B. M.* t. 4004.—
Queensland, N. S. Wales.— $\frac{1}{2}$ §. Spring–summer.
Ricasoliana *H. Baill.* = *Podranea Ricasoliana*.

PANICUM *L.*—*N. Pff.* ii. 2. 35.—Gramineæ–Paniceæ.

plicatum *Lam.*—*Kunth, En.* i. 94; *Fl. Brit. Ind.* vii. 55; *Fl. d.*
S. t. 1743–4.—India, China, Malaya.— $\mathcal{U}$. Summer–autumn.

PAPAVER *L.*—*N. Pff.* iii. 2. 141.—Papaveraceæ–Papaveroideæ–
Papavereæ.

atlanticum *Coss.*—*Fedde, Papav.* (*R. V. C.*), 363; *B. M.* t.
7107.—Morocco.— $\mathcal{U}$. April–May.

bracteatum *Lindl.*—*DC.* i. 119; *B. M.* t. 658; *Fedde, Papav.*
(*R. V. C.*), 365.—Caucasus.— $\mathcal{U}$. April–May.

orientale *L.*—*DC.* i. 119; *B. M.* t. 57; *Fedde, Papav.*
(*R. V. C.*), 364.—Armenia.— $\mathcal{U}$. April–May.

‡ **PAPHIOPEDILUM** *Pfütz.*—*N. Pff.* ii. 6. 84.—Orchidaceæ–
Diandrä–Cypripedilinæ.

insigne *Pfütz.*—*Fl. Brit. Ind.* vi. 172; *Lodd. B. C.* t. 1321;
B. M. t. 3412, as *Cypripedium*.—Nepal.— $\mathcal{U}$. Winter.

venustum *Pfütz.*—*Fl. Brit. Ind.* vi. 173; *Lodd. B. C.* t. 585;
B. M. t. 2129, as *Cypripedium*.—India.— $\mathcal{U}$. Winter.

villosum *Pfütz.*—*Fl. Brit. Ind.* vi. 171; *Fl. d. S. t.* 1475, as
Cypripedium.—India.— $\mathcal{U}$. Winter.

PAPPEA *Eckl. & Zeyh.*—*N. Pff.* iii. 5. 334.—Sapindaceæ–Nephe-
lieæ.

capensis *Eckl. & Zeyh.*—*Fl. Cap.* i. 241.—Cape.— $\frac{1}{2}$.

Papyrus antiquorum *Willd.* = *Cyperus Papyrus* *L.*

Pardanthus chinensis *Ker* = *Belamcanda*.

- PARKINSONIA** *L.*—*N. Pff.* iii. 3. 171.—Leguminosæ—Cæsalpinioideæ—Eucæsalpinieæ.
aculeata *L.*—*DC.* ii. 486; *Desc. Fl. Med. Ant.* t. 12.—Tropical America.—½. July–August.
- PARROTIA** *C. A. Mey.*—*N. Pff.* iii. 2a. 126.—Hamamelidaceæ—Hamamelidoideæ—Parrotieæ.
persica *C. A. Mey.*—*DC.* iv. 268; *B. M.* t. 5744; *Gard. Chron.* 1893, i. 335.—Northern Persia.—½. March–April.
- PARTHENOCISSUS** *Planch.*—*N. Pff.* iii. 5. 448, sub *Quinaria*.—Vitaceæ—Vitoideæ.
Henryana *Diels & Gilg.*—*Schneider, Hdb. Laubh.* ii. 318.—China (*Wilson*, n. 440).—½ §.
himalayana *Planch.* var. *rubrifolia* *Gagnep.*—*Schneider, Hdb. Laubh.* ii. 313.—Himalaya, China (*Wilson*, n. 205, 1109).—½ §.
Thomsoni *Laws.*—*Fl. Brit. Ind.* i. 657, as *Vitis*.—Himalaya, China (*Wilson*, n. 235).—½ §.
tricuspidata *Planch.*—*B. M.* t. 8287.—*Parth. Veitchii* *Graebn.*—*Ampelopsis tricuspidata* *Sieb. & Zucc.*—*Amp. Veitchii* *Hort.*—*Vitis inconstans* *Miq.*—*Vitis Veitchii*, *V. tricuspidata* *Lynch.*—*V. japonica* *Hort. &c.*—Japan, China.—½ §. May.
- PASSERINA** *L.*—*N. Pff.* iii. 6a. 241.—Thymelæaceæ—Thymelæoideæ—Daphneæ—Passerininæ.
filiformis *L.*—*DC.* xiv. 562; *Marloth, Kapland*, 74.—S. Africa.—½. May.
- ‡ **PASSIFLORA** *L.*—*N. Pff.* iii. 6a. 86.—Passifloraceæ—Passifloreæ.
Actinia *Hook.* *B. M.* t. 4009; *Fl. d. S.* t. 10; *Gard. Chron.* 1902, ii. 15.—S. Brazil.—½ §. April–June.
adenopoda *Moç.*—*DC.* iii. 330.—Mexico.—½ §. July–August.
alata *Ait.*—*DC.* iii. 328; *B. M.* t. 66; *Lodd. B. C.* t. 246; *Gard. Chron.* 1894, i. 19, and 1897, ii. 449–51.—Peru.—½ §.
alba *Lk. & Otto.*—*Nich. Dict. Gard.* 29.—Brazil.—½ §. March–June.
Banksii *Benth. Fl. Austr.* iii. 312.—*Disemma coccinea* *DC.* iii. 333; *B. M.* t. 4140.—Queensland.—½ §. April–June.
cærulea *L.*—*DC.* iii. 330; *B. M.* t. 28.—Brazil, Peru.—½ §. All the year.
cæruleo-racemosa *Lodd. B. C.* t. 573.—*P. arc-en-ciel.*—Garden origin.—½ §. All the year.

PASSIFLORA (*continued*).

capsularis L.—DC. iii. 325; *B. M.* t. 7751.—Brazil.—½ §.

All the year.

edulis Sims.—DC. iii. 329; *B. M.* t. 1989; *Gard. Chron.* 1898, i. 101.—Brazil.—½ §. May–June.

exoniensis Hort. = *Tacsonia exoniensis*.

Hahnii Mast.—*Nich. Dict. Gard.* ii. 31; *B. M.* t. 7052.—Mexico.—½ §. Spring–autumn.

Herbertiana Lindl.—*Fl. Austr.* iii. 311; *Lodd. B. C.* t. 1364.—*Disemma Herbertiana* DC. iii. 332.—Queensland, N. S. Wales.—½ §. Summer.

ignea Hort. = *Tacsonia manicata*.

incarnata L.—DC. iii. 329; *B. M.* t. 3697.—Tropical America.—½ §.

insignis Hook. fil. = *Tacsonia insignis*.

lunata Juss.—*B. M.* t. 2354; DC. iii. 331.—Mexico.—½ §. Summer.

manicata Pers. = *Tacsonia manicata*.

militaris Hort. = *Tacsonia militaris*.

mollissima H. B. K. = *Tacsonia mollissima*.

racemosa Brot.—DC. iii. 329; *B. M.* t. 2001; *Lodd. B. C.* t. 84, as *P. princeps*.—Brazil.—½ §. All the year.

suberosa L.—DC. iii. 325; *Nich. Dict.* 32; *Fl. W. Ind.* 290; *Smith, Ex. Bot.* t. 28.—W. Indies.—½ §. Summer.

Van-Volxemi Hook. fil. = *Tacsonia Van-Volxemi*.

PAULOWNIA Sieb. & Zucc.—*N. Pff.* iv. 3b. 66.—Scrophulariaceæ–Antirrhinoideæ–Cheloneæ.

Fargesii Franch.—*Schneider, Hdb. Laubh.* ii. 618.—Central China.—½ §.

tomentosa Baill.—*Fl. d'It.* n. 2941.—*P. imperialis* Sieb. & Zucc. *Fl. Jap.* t. 10; DC. x. 300; *The Gard.* 1901, ii. 130.—Japan.—½ §. April–May.

PAVONIA Cav.—*N. Pff.* iii. 6. 46.—Malvaceæ–Ureneæ.

hastata Cav.—DC. i. 443.—Brazil.—½ §. June–December.

præmorsa Cav.—DC. i. 444; *B. M.* t. 436; *Fl. Cap.* i. 170.—S. Africa.—½ §. March–November.

Schimperiana Hochst.—*Fl. Trop. Afr.* i. 192.—Abyssinia, &c.—½ §. Summer.

spinifex Cav.—DC. i. 442; *Fl. W. Ind.* 82.—W. Indies, Tropical America.—½ §. August–October.

„ var. **ovalifolia** DC. i. 443.—½ §. August–October.

†**PEIRESKIA** *Plum.*—*N. Pff.* iii. 6a. 203.—Cactaceæ—Peireskioideæ.

aculeata *Mill.*—*DC.* iii. 474; *K. Schum. Mon.* 758; *B. M. t.* 7147.—Tropical America.— $\frac{1}{2}$. October–November.

amapola *Web.*—*K. Schum. Mon.* 764.—Paraguay.— $\frac{1}{2}$. June–October.

argentina *Web.*—*K. Schum. Mon.* 764.—Argentina.— $\frac{1}{2}$.

bleo *Hort.* = *grandifolia*.

brasiliensis *Pfeiff.*—*K. Schum. Mon.* 760.—Tropical America.— $\frac{1}{2}$.

discolor *Web.*—Tropical America.— $\frac{1}{2}$.

foetens *Weingart.*—Tropical America.— $\frac{1}{2}$.

Godseffiana *Hort. Sand.*—*Gard. Chron.* 1908, i. 257. fig. 114.—Tropical America.— $\frac{1}{2}$.

grandifolia *Haw.*—*DC.* iii. 475; *Monatsschrft. f. K.* 1904, 131.—Tropical America.— $\frac{1}{2}$. June.

undulata *Lem.*—*Monatsschrft f. K.* 1904, 187.—Tropical America.— $\frac{1}{2}$.

PEIRESKIOPSIS *Britt. & Rose in Smiths. Misc. Coll.* vol. 50, iii. n. 1775.—Cactaceæ—Opuntioideæ.

aquosa *Britt. & Rose, l. c.* 331.—*Opuntia aqu.* *Web.*—*K. Schum. Mon. Nachtr.* 149.—Mexico.— $\frac{1}{2}$.

autumnalis *Eichlam in Monatsschrft. f. K.* 1909, 22.—Guatemala.— $\frac{1}{2}$.

Brandegeeii *Britt. & Rose, l. c.* 331.—*Op. Brand.* *K. Schum. Mon.* 653.—Lower California.— $\frac{1}{2}$.

chapistle *Britt. & Rose, l. c.* 331. t. 44.—*Op. Chapistle* *Web.*—Mexico.— $\frac{1}{2}$.

pititache *Britt. & Rose, l. c.* 332.—*Op. pitit.* *Web.*—*K. Schum. Mon.* 654.—Mexico.— $\frac{1}{2}$.

Porteri *Britt. & Rose, l. c.* 332.—*Op. Porteri* *K. Brandegee, K. Schum. Mon.* 654.—Mexico.— $\frac{1}{2}$.

rotundifolia *Britt. & Rose, l. c.* 333.—*Peireskia rot.* *DC.* iii. 475.—Mexico.— $\frac{1}{2}$.

spathulata *Britt. & Rose, l. c.* 33.—*Op. spath.* *Web.*—Mexico.— $\frac{1}{2}$.

†**PELARGONIUM** *L'Hér.*—*N. Pff.* iii. 4. 10.—Geraniaceæ—Geranieæ.

abrotanifolium *Jacq. H. Sch. t.* 136; *DC.* i. 661; *Fl. Cap.* i. 282; *Sweet, Ger. t.* 351.—S. Africa.— $\frac{1}{2}$. June.

PELARGONIUM (*continued*).

- alchemilloides** Willd.—DC. i. 660; *Fl. Cap.* i. 295.—Cape.
— $\mathcal{U}$. October–March.
- anceps** Jacq.—DC. i. 660; *Fl. Cap.* i. 289.—Cape.— $\mathcal{U}$.
October–March.
- capitatum** Ait.—DC. i. 674; *Fl. Cap.* i. 303.—Cape.— $\mathcal{U}$.
Spring.
- carnosum** Ait.—DC. i. 655; *Fl. Cap.* i. 278; *Sweet, Ger.* t.
98.—Cape.— $\mathcal{U}$. May.
- cordatum** Ait.—DC. i. 671; *Fl. Cap.* i. 302; *L'Hér. Ger.* t.
22; *B. M.* t. 165.—Cape.— $\mathcal{U}$. April–June.
- crispum** Ait.—DC. i. 677; *Fl. Cap.* i. 304; *L'Hér. Ger.* t.
32; *Sweet, Ger.* t. 383.—Cape.— $\mathcal{U}$. April–May.
- crithmifolium** Sm.—DC. i. 655; *Fl. Cap.* i. 278; *Sweet,*
Ger. t. 354; *Gard. Chron.* 1899, i. 19; *Jacq. H. Sch.* t. 137,
as *P. paniculatum*.—Cape.— $\mathcal{U}$. March–June.
- dasycaulon** Sims in *B. M.* t. 2029; DC. i. 653; *Fl. Cap.* i.
279.—Cape.— $\mathcal{U}$ $\mathcal{U}$. June.
- denticulatum** Jacq. *H. Sch.* t. 135; DC. i. 659; *Fl. Cap.* i.
307; *Sweet, Ger.* t. 109.—Cape.— $\mathcal{U}$.
- echinatum** Curtis in *B. M.* t. 309; DC. i. 665; *Fl. Cap.* i. 299;
Sweet, Ger. t. 54; *Jacq. H. Sch.* t. 138, as *P. hamatum*.—
S. Africa.— $\mathcal{U}$. May.
- Endlicherianum** Fenzl.—*B. M.* t. 4946; *Nich. Dict. Gard.*
iii. 61. fig. 63; *Fl. d. S.* t. 2031; *Gard. Chron.* 1901, ii.
149.—Asia Minor.— $\mathcal{U}$.
- ficifolium** Hoffmgg.—S. Africa.— $\mathcal{U}$.
- gibbosum** Willd.—DC. i. 662; *Fl. Cap.* i. 276; *Sweet, Ger.*
t. 61.—Cape.— $\mathcal{U}$. October.
- glutinosa** Ait.—DC. i. 679; *Fl. Cap.* i. 306; *B. M.* t. 143;
L'Hér. Ger. t. 20.—Cape.— $\mathcal{U}$. March–April.
- grandiflorum** Willd.—DC. i. 667; *Fl. Cap.* i. 294; *Sweet,*
Ger. t. 29.—Cape.— $\mathcal{U}$.
- graveolens** Ait.—DC. i. 678; *Fl. Cap.* i. 306; *L'Hér. Ger.*
t. 17.—Cape.— $\mathcal{U}$. March–June.
- inquinans** Ait.—DC. i. 659; *Fl. Cap.* i. 299; *Dill. H. Elth.*
fig. 151; *Nich. Dict. Gard.* iii. 62. fig. 64.—Cape.— $\mathcal{U}$.
October–May.
- malvæfolium** Jacq.—DC. i. 654; *Fl. Cap.* i. 296.—Cape.—
 $\mathcal{U}$. April–May.
- multibracteatum** Hochst.—*Fl. Trop. Afr.* i. 293.—Abyssinia.
— $\mathcal{U}$. April–May.

PELARGONIUM (*continued*).

9/ **odoratissimum** Ait.—DC. i. 659; *Fl. Cap.* i. 300; *Sweet, Ger.* t. 209; *Bossche, Ic. Sel.* t. 146.—S. Africa.— $\frac{1}{2}$. All the year.

peltatum Ait.—DC. i. 666; *Fl. Cap.* i. 293; *B. M.* t. 20; *Sweet, Ger.* t. 95.—S. Africa.— $\frac{1}{2}$. May–June.

pulverulentum Colv.—*Fl. Cap.* i. 272; *Sweet, Ger.* t. 218.—S. Africa.— $\frac{1}{4}$. March–May, October.

quercifolium Ait.—DC. i. 678; *Fl. Cap.* i. 306; *L'Hér. Ger.* t. 14.—Cape.— $\frac{1}{2}$. March.

„ var. **pinnatifidum** *L'Hér. Ger.* t. 15.— $\frac{1}{2}$.

quinatum Sims in *B. M.* t. 547; *DC.* i. 659; *Fl. Cap.* i. 285; *Sweet, Ger.* t. 79.—S. Africa.— $\frac{1}{2}$.

quinquevulnerum Willd.—DC. i. 664; *Sweet, Ger.* t. 161; *Fl. Cap.* i. 275.—S. Africa.— $\frac{1}{2}$. April–June.

Radula Ait.—DC. i. 679; *Fl. Cap.* i. 307; *L'Hér. Ger.* t. 16.—Cape.— $\frac{1}{2}$. Spring.

reniforme Curtis in *B. M.* t. 493; *DC.* i. 666; *Fl. Cap.* i. 300; *Sweet, Ger.* t. 48.—S. Africa.— $\frac{1}{2}$.

saniculæfolium Willd.—DC. i. 668; *Fl. Cap.* i. 294.—Cape.— $\frac{1}{2}$.

stenopetalum Ehrh. = *zonale*.

tetragonum *L'Hér. Ger.* t. 22; *DC.* i. 658, *Pl. Gr.* t. 96; *B. M.* t. 136; *Sweet, Ger.* t. 99; *Fl. Cap.* i. 286.—S. Africa.— $\frac{1}{2}$. Spring–summer.

tomentosum Jacq.—DC. i. 671; *Fl. Cap.* i. 305; *B. M.* t. 518; *Sweet, Ger.* t. 168.—S. Africa.— $\frac{1}{2}$. April–June.

tricolor Curtis in *B. M.* t. 240; *DC.* i. 657; *Fl. Cap.* i. 293; *Sweet, Ger.* t. 43. 69.—S. Africa.— $\frac{1}{2}$.

triste Ait.—DC. i. 662; *Fl. Cap.* i. 274; *B. M.* t. 1641.—Cape.— $\frac{1}{4}$. June.

vitifolium Ait.—DC. i. 674; *Fl. Cap.* i. 303; *L'Hér. Ger.* t. 19.—S. Africa.— $\frac{1}{2}$. April–June.

zonale Willd.—DC. i. 659; *Fl. Cap.* i. 298; *Nich. Dict.* 63. fig. 67.—S. Africa.— $\frac{1}{2}$. Almost all the year.

„ var. **stenopetalum** Harv.—*Fl. Cap.* i. 299.—S. Africa.— $\frac{1}{2}$. Spring–summer.

PELECYPHORA Ehrenb.—*N. Pff.* iii. 6a. 195.—Cactaceæ—Cereoideæ—Mamillariææ.

aselliformis Ehrenb.—*K. Schum. Mon.* 602; *B. M.* t. 6061.—Mexico.— $\frac{1}{4}$.

pectinata *K. Schum. Mon. Cact.* 603.—Mexico.— $\frac{1}{4}$.

PELTOPHORUM Walp. — *N. Pff.* iii. 3. 176. — Leguminosæ—Cæsalpinoideæ—Eucæsalpinieæ.

africanum Sond. — *Fl. Cap.* ii. 270; *Fl. Trop. Afr.* ii. 260. — Tropical S. Africa. — $\frac{1}{2}$.

PENNISETUM Pers. — *N. Pff.* ii. 2. 38. — Gramineæ—Paniceæ.

longistylum Hochst. — *Nich. Dict.* iii. 69. fig. 74. — Abyssinia. — $\frac{1}{2}$. Spring—summer.

PENTAPTERYGIUM Klotzsch. — *N. Pff.* iv. 1. 55. — Ericaceæ—Vaccinioideæ—Thibaudieæ.

serpens Klotzsch. — *Fl. Brit. Ind.* iii. 449. — *Vaccinium s.* Hook. fil. *Ill. Him. Pl.* t. 15 B. — Himalaya. — $\frac{1}{2}$.

PENTSTEMON Mitch. (Pentastemon). — *N. Pff.* iv. 3b. 65. — Scrophulariaceæ—Antirrhinoideæ—Cheloneæ.

barbatus Roth. — *DC.* x. 329; *Nich. Dict. Gard.* 72. fig. 71. — Mexico. — $\frac{1}{2}$. May—June.

campanulatus Willd. — *DC.* x. 326; *B. M.* t. 1878. 3884; *Lodd. B. C.* t. 420. — Mexico. — $\frac{1}{2}$. May—June.

Cobæa Nutt. — *DC.* x. 326; *B. M.* t. 3465. — Mexico. — $\frac{1}{2}$. May—June.

glaber Pursh. — *DC.* x. 324; *B. M.* t. 1672. 4319. — Western North America. — $\frac{1}{2}$. May—June.

Hartwegii Benth. — *DC.* x. 323; *P. gentianoides* Lindl. *B. M.* t. 3661; *Fl. d. S.* t. 730. — Mexico. — $\frac{1}{2}$. May—February.

lævigatus Ait. — *B. M.* t. 1425. — *DC.* i. 327, as *P. pubescens* Sol. — N. America. — $\frac{1}{2}$. May—June.

Murrayanus Hook. *B. M.* t. 3472; *DC.* x. 322. — Texas. — $\frac{1}{2}$. May—June.

ovatus Dougl. — *DC.* x. 328; *B. M.* t. 2903. — N. America. — $\frac{1}{2}$. May—June.

perfoliatus A. Brongn. — *DC.* x. 326. — Mexico. — $\frac{1}{2}$.

Torreyi Benth. — *DC.* x. 324. — N. America. — $\frac{1}{2}$. May—June.

† **PENTZIA** Thunb. — *N. Pff.* iv. 5. 283. — Compositæ—Anthemideæ—Chrysantheminæ.

virgata Less. — *DC.* vi. 137; *Fl. Cap.* iii. 173. — S. Africa. — $\frac{1}{2}$. July—November.

PEPEROMIA Rz. & Pav. — *N. Pff.* iii. 1. 10. — Piperaceæ.

argyreia Hort. = *Sandersii*.

eburnea Linden. — *Nich. Dict. Gard.* iii. 74. — Colombia. — $\frac{1}{2}$.

PEPEROMIA (*continued*).

resedæflora Linden & André.—*B. M.* t. 6619.—Colombia.
— $\mathcal{U}$.

Sandersii C. DC.—*DC.* xvi. 1. 400; *B. M.* t. 5634.—Tropical
S. America.— $\mathcal{U}$.

‡**PERIPLOCA** L.—*N. Pff.* iv. 2. 216.—Asclepiadaceæ—Periplo-
coideæ—Periploceæ.

græca L.—*DC.* viii. 498; *B. M.* t. 2289; *Lodd. B. C.* t. 1389;
Fl. d'It. n. 2736.—Eastern Mediterranean region.— $\frac{1}{2}$ §.
June.

lævigata Ait.—*DC.* viii. 498; *Fl. d'It.* n. 2739.—Canaries,
Spain, N. Africa, Sicily, Syria.— $\frac{1}{2}$ §. June.

‡**PERSEA** L.—*N. Pff.* iii. 2. 114.—Lauraceæ—Persoideæ—Cinna-
momeæ.

gratissima Gaertn.—*DC.* xv. 1. 52; *B. M.* t. 4580.—Tropical
America.— $\frac{1}{2}$. February–March.

indica Spreng.—*DC.* xv. 1. 52.—*Laurus indica* Thunb. —
Phæbe indica Pax, *N. Pff.* l. c. 115.—Azores, Madeira,
Canaries.— $\frac{1}{2}$. May.

sericea Kunth.—*DC.* xv. 1. 46.—Peru.— $\frac{1}{2}$. May–July.

PERSOONIA Sm.—*N. Pff.* iii. 1. 131.—Proteaceæ—Persoonioideæ
—Persoonieæ.

Toru A. Cunn.—*DC.* xiv. 331; *B. M.* under t. 3513; *Hdb.*
Fl. N. Zeald. 241.—New Zealand. $\frac{1}{2}$.

PETAGNIA Guss.—*N. Pff.* iii. 8. 144.—Umbelliferæ—Sanicu-
loideæ—Lagæcieæ.

saniculifolia Guss.—*DC.* iv. 83; *Fl. d'It.* n. 2228.—Sicily.
— $\mathcal{U}$.

PETASITES L.—*N. Pff.* iv. 5. 290.—Compositæ—Senecioneæ—
Senecioninæ.

fragrans Presl.—*Fl. d'It.* n. 3472; *The Gard.* 1902, ii. 58.—
Nardosmia fragrans Reichb. *DC.* v. 205.—Mediterranean
region.— $\mathcal{U}$. January–February.

PETROPHILA R. Br.—*N. Pff.* iii. 1. 134.—Proteaceæ—Per-
soonioideæ—Proteeæ.

divaricata R. Br.—*DC.* xiv. 272; *Fl. Austr.* v. 326.—W.
Australia.— $\frac{1}{2}$. October.

Petrophytes Webb = *Monanthes* Haw.

PETROSELINUM *Hffm.*—*N. Pff.* iii. 8. 186.—Umbelliferæ—
 Apioidæ—Ammineæ—Carinæ.
sativum *Hffm.*—*DC.* iv. 102; *Fl. d'It.* n. 2273.—S. Europe,
 N. Africa.—⊕. May–June.

PETUNIA *Juss.*—*N. Pff.* iv. 3b. 34.—Solanaceæ—Cestreæ—
 Nicotianinæ.
nyctaginiflora *Juss.*—*DC.* xiii. 1. 573; *B. M. t.* 2552.—
 Argentina.—⊙. Autumn–spring.
violacea *Lindl.*—*DC.* xiii. 1. 573; *B. M. t.* 3556.—Argentina.
 —⊙. (Various hybrid forms.) Autumn–spring.

PEUCEDANUM *L.*—*N. Pff.* iii. 8. 234.—Umbelliferæ—Apioidæ—
 Ferulinæ.
Galbanum *Benth. & Hook. f.*—*Fl. Cap.* ii. 560, as *Bubon*
Galbanum *L.* *B. M. t.* 2489.—Cape.— $\mathcal{U}$.
verticillare *Spreng.*—*Fl. d'It.* n. 2348.—*Tommasinia vert.*
Bert.—S. Europe.— $\mathcal{U}$. June–July.

‡**PEUMUS** *Molina.*—*N. Pff.* iii. 2. 99.—Monimiaceæ—Monimi-
 oideæ—Hedycariæ.
Boldus *Molina.*—*DC.* xvi. 2. 674; *Perk. Monim. (R. V. C.)*,
 17.—*P. fragrans* *Pers.* *B. M. t.* 7024.—Chili.— $\frac{1}{2}$.
 March.

PFEIFFERA *Salm.*—*N. Pff.* iii. 6a. 196.—Cactaceæ—Cereoideæ—
 Rhipsalideæ.
ianthothele *Web.*—*K. Schum. Mon.* 610; *Pfeiff. Abb.* ii. t. 9,
 as *Pf. cereiformis* *Salm.*—Argentina.— $\mathcal{U}$.

Phaca bætica *L.* = *Astragalus lusitanicus* *Lam.* (see Supple-
 ment).

PHACELIA *Juss.*—*N. Pff.* iv. 3a. 63.—Hydrophyllaceæ—Phace-
 lieæ.
tanacetifolia *Benth.*—*DC.* ix. 299; *B. M. t.* 3703.—Cali-
 fornia.—⊙. Summer.

‡**PHÆDRANTHUS** *Miers.*—*N. Pff.* iv. 3b. 219.—Bignoniaceæ—
 Bignonieæ.
buccinatorius *Miers.*—*N. Pff. l. c.*—*Bignonia buccinatoria*
DC. ix. 195; *B. M. t.* 7516.—*B. Kerere* *Hort.*—Mexico.—
 $\frac{1}{2}$ §. Nearly all the year.

PHÆNOCOMA *D. Don.*—*N. Pff.* iv. 5. 188.—Compositæ—Inuleæ—Gnaphalinæ.

prolifera *D. Don.*—*DC.* vi. 266; *Fl. Cap.* iii. 287; *B. M.* t. 2365; *Bossche, Ic. Sel.* ii. t. 42.—S. Africa.—½.

PHAGNALON *Cass.*—*N. Pff.* iv. 5. 187.—Compositæ—Inuleæ—Gnaphalinæ.

rupestre *DC.* v. 396; *Fl. d'It.* n. 3632.—Mediterranean region.—¼. April–May.

‡ **PHARBITIS** *Choisy.*—*N. Pff.* iv. 3a. 31.—Convolvulaceæ—Convolvuloideæ—Convolvulæ—Convolvulinæ.

hispida *Choisy.*—*DC.* ix. 341; *B. M.* t. 113. 1005. 1682.—Central and S. America.—☉ §. Summer–autumn.

Learii *Lindl.*—*B. M.* t. 3928; *DC.* ix. 343; *Bossche, Ic. Sel.* iv. t. 164.—Central and S. America.—½ §. Spring and summer.

Nil *Choisy.*—*DC.* ix. 343.—Tropics.—☉ §. Summer–autumn.

‡ **PHASEOLUS** *L.*—*N. Pff.* iii. 3. 379.—Leguminosæ—Papilionatæ—Phaseoleæ—Phaseolinæ.

Caracalla *L.*—*DC.* ii. 390.—America.—½ §.

coccineus *L.*—*Fl. d'It.* n. 2188.—*P. multiflorus* *W. DC.* ii. 392.—Mexico, N. and S. America.—☉ §. Summer. (Runners or climbing beans.)

vulgaris *L.*—*DC.* ii. 392; *Fl. d'It.* n. 2187.—S. America.—☉ §. (Dwarf bean.)

PHILADELPHUS *L.*—*N. Pff.* iii. 2a. 69.—Saxifragaceæ—Hydrangeoideæ—Philadelphææ.

brachybotrys *Koehne* var. **purpurascens** *Koehne.*—*Schneider, Hdb. Laubh.* i. 373.—China (*Wilson*, n. 1346).—½.

incanus *Koehne.*—*Schneider, Hdb. Laubh.* i. 370.—China (*Wilson*, n. 574. 583).—½.

mexicanus *Schlecht.*—*N. Pff.* l. c. 71; *Gard. Chron.* 1903 ii. 218; *Schneider, Hdb. Laubh.* i. 362.—Mexico.—¼. May.

microphyllus *A. Gray.*—*N. Pff.* l. c. 71; *Schneider, Hdb. Laubh.* i. 365.—Colorado, New Mexico.—¼. May.

Wilsonii *Koehne.*—China (*Wilson*, n. 581).—½. June.

‡ **PHILLYREA** *L.*—*N. Pff.* iv. 2. 9.—Oleaceæ—Oleoideæ—Oleineæ.

***angustifolia** *L.*—*DC.* viii. 292; *Fl. d'It.* n. 2726.—S. Europe.—½. April–May.

PHILLYREA (*continued*).

latifolia L.—DC. viii. 292; *Fl. d'It.* n. 2726 var. γ .—S. Europe, Morocco.— $\frac{1}{2}$. April–May.

**media* L.—DC. viii. 292; *Fl. d'It.* n. 2726 var. β .—S. Europe, N. Africa.— $\frac{1}{2}$. April–May.

„ var. *spinosa* *Fl. d'It.* n. 2726 var. γ a.—*Ph. ilicifolia* Willd.— $\frac{1}{2}$. April–May.

Vilmoriniana Boiss. & Bal.—B. M. t. 6800.—South-eastern shore of the Black Sea.— $\frac{1}{2}$. April–May.

Philodendron pertusum Kunth & Bouché = *Monstera*.

PHLOMIS L.—N. Pff. iv. 3a. 248.—Labiatae–Stachyoideae–Lamiinae.

armeniaca Willd.—DC. xii. 538; *Boiss. Fl. Or.* iv. 783.—Asia Minor, Armenia.— $\frac{1}{4}$.

cashmeriana Royle.—DC. xii. 542; *Fl. Brit. Ind.* iv. 692.—Western Himalaya, Afghanistan.— $\frac{1}{2}$.

chrysophylla Boiss. *Fl. Or.* iv. 788.—Syria.— $\frac{1}{2}$. May.

ferruginea Ten.—DC. xii. 540; *Fl. d'It.* n. 2123.—S. Italy, Greece.— $\frac{1}{2}$. June–July.

fruticosa L.—DC. xii. 540; B. M. t. 1843; *Fl. d'It.* n. 3124. Greece, Italy.— $\frac{1}{2}$. April–May.

lanata Willd.—DC. xii. 539; *Fl. d'It.* n. 3125.—Calabria, Crete.— $\frac{1}{2}$. October.

purpurea L.—DC. xii. 539; *Jacq. Hort. Sch.* t. 359; W. & L. *Fl. Hisp.* ii. 448.—Spain, Portugal.— $\frac{1}{2}$. May.

viscosa Poir.—DC. xii. 540; *Boiss. Fl. Or.* iv. 788.—Syria, Asia Minor.— $\frac{1}{2}$. April–May.

PHLOX L.—N. Pff. iv. 3a. 46.—Polemoniaceae–Polemonieae.

divaricata L.—DC. ix. 305; B. M. t. 163; *Lodd. B. C. t.* 1418; *The Gard.* 1901, ii. 251.—*P. canadensis* Sweet.—Atlantic N. America.— $\frac{1}{4}$. April.

Drummondii Hook.—B. M. t. 3441; DC. ix. 305.—Texas.— $\odot$. Spring.

paniculata L.—DC. ix. 303.—Atlantic N. America.— $\frac{1}{4}$.

‡**PHŒNIX** L.—N. Pff. ii. 3. 28.—Palmæ–Coryphinæ–Phœniceae.

acaulis Hort. (non Roxb. l).—Garden origin.— $\frac{1}{2}$.

canariensis Hort.—Beccari, *Malesia* iii. 369; *Gard. Chron.* 1894, i. 405; *Nich. Dict. Suppl.* 596.—*P. Jubæ* Webb.—Canaries.— $\frac{1}{2}$. Spring.

PHŒNIX (*continued*).

dactylifera *L.*—*Kunth, En.* iii. 255; *Beccari, Malesia* iii. 355; *Fl. d'It.* n. 517.—N. Africa, Arabia.—½. Spring.

hybrida *Hort.*—Garden origin.—½. Spring.

macrocarpa *Hort.*—*Beccari, Malesia* iii. 364. — Garden origin.—½. Spring.

pumila *Hort.*—Origin unknown.—½. Spring.

reclinata *Jacq.*—*Kunth, En.* iii. 256; *Beccari, Malesia* iii. 349; *Fl. Cap.* vii. 29.—Tropical and S.E. Africa.—½. Spring.

Rivieri *Hort.*—Garden origin.—½. Spring.

rupicola *T. Anders.*—*Fl. Brit. Ind.* vi. 425; *Beccari, Malesia* iii. 395.—Sikkim, Himalaya.—½.

sylvestris *Roxb.*—*Kunth, En.* iii. 255; *Beccari, Malesia* iii. 364; *Fl. Brit. Ind.* vi. 425.—India, Burma.—½. Spring.

PHORMIUM *Forst.*—*N. Pff.* ii. 5. 41.—Liliaceæ—Asphodeloideæ—Hemerocallideæ.

tenax *Forst.*—*Hdb. Fl. N. Zeald.* 286; *Red. Lil.* t. 448–9.—N. Zealand.—¼. June.

„ var. **atropurpureum** *Hort.*—*Nich. Dict.* 106.—¼. June.

PHOTINIA *Lindl.*—*N. Pff.* iii. 3. 25.—Rosaceæ—Pomoideæ—Pomariæ.

arbutifolia *Lindl.*—*DC.* ii. 631; *Schneider, Hdb. Laubh.* i. 708.—California.—½. April–May.

serrulata *Lindl.*—*DC.* ii. 631; *Fl. d'It.* n. 1847.—*Cratægus glabra* *Thunb. B. M.* t. 2105—Japan, China.—½. March–May.

PHYGELIUS *E. Mey.*—*N. Pff.* iv. 3b. 63.—Scrophulariaceæ—Antirrhinoideæ—Cheloneæ.

capensis *E. Mey.*—*DC.* x. 300; *B. M.* t. 4881.—S. Africa.—½. April–November.

PHYLICA *L.*—*N. Pff.* iii. 5. 416.—Rhamnaceæ—Rhamneæ.

ericoides *L.*—*DC.* ii. 34; *B. M.* t. 224; *Fl. Cap.* i. 499.—S. Africa.—½. October–May.

paniculata *Willd.*—*DC.* ii. 36; *Fl. Cap.* ii. 482.—S. Africa.—½.

rosmarinifolia *Thunb.*—*DC.* ii. 35; *Lodd. B. C.* t. 849; *Fl. Cap.* ii. 483.—S. Africa.—½.

PHYLLIS *L.*—*N. Pff.* iv. 4. 129.—Rubiaceæ—Coffeoideæ—Psychotriinæ—Anthospermæ.

Nobla *L.*—*DC.* iv. 579; *Bossche, Ic. Sel.* t. 94.—Canaries, Madeira.—½. June–July.

† **PHYLLOCACTUS** *Link.*—*N. Pff.* iii. 6a. 182.—Cactaceæ—Cereoideæ—Echinocactæ.

Ackermannii *Salm.*—*K. Schum. Mon.* 215; *B. M.* t. 3598.—Mexico.— $\frac{1}{2}$. May–June.

anguliger *Lem.*—*K. Schum. Mon.* 208; *B. M.* t. 5100.—S. Mexico.— $\frac{1}{2}$. June.

biformis *Lab.*—*K. Schum. Mon.* 218; *B. M.* t. 6156.—Honduras.— $\frac{1}{2}$.

caulorrhizus *Lem.*—*K. Schum. Mon.* 208.—Honduras?— $\frac{1}{2}$.

crenatus *Lem.*—*K. Schum. Mon.* 207.—Honduras.— $\frac{1}{2}$. June.

grandis *Lem.*—*Fl. d. S.* iii. 255; *K. Schum. Mon.* 206.—Honduras.— $\frac{1}{2}$. June–October.

Hookeri *Salm.*—*K. Schum. Mon.* 211; *Pfeiff. & Otto, Abb.* i. t. 5; *B. M.* t. 2692, as *Cereus phyllanthus*.—Brazil, Guiana.— $\frac{1}{2}$.

latifrons *Zucc.*—*K. Schum. Mon.* 213.—Mexico.— $\frac{1}{2}$. June–July.

lepidocarpus *Web.*—*K. Schum. Mon. Nachtr.* 68.—Costa Rica.— $\frac{1}{2}$.

phyllanthoides *Link.*—*K. Schum. Mon.* 216; *Pfeiff. Abb.* ii. t. 17.—*B. M.* t. 2092.—S. Mexico.— $\frac{1}{2}$. May.

Phyllanthus *Link.*—*K. Schum. Mon.* 205; *Pfeiff. Abb.* i. t. 10.—*DC. Pl. Gr.* t. 145.—S. Brazil.— $\frac{1}{2}$.

Pittieri *Web.*—*K. Schum. Mon. Nachtr.* 72.—Costa Rica.— $\frac{1}{2}$. June.

strictus *Lem.*—*K. Schum. Mon.* 209. fig. 41.—Cuba.— $\frac{1}{2}$.

† **PHYLLOCLADUS** *Rich.*—*N. Pff.* ii. 1. 108.—Taxaceæ—Phyllocladoideæ.

trichomanoides *D. Don.*—*DC.* xvi. 2. 498; *Hdb. Fl. N. Zeald.* 259; *Pilger, Taxac. (R. V. C.* iv. 5.), 97.—N. Zealand.— $\frac{1}{2}$.

PHYLLOSTACHYS *Sieb. & Zucc.*—*N. Pff.* ii. 2. 93.—Gramineæ—Bambuseæ.

aurea *A. & C. Rivière.*—*Nich. Dict. Suppl.* 598; *Freem. Bamb. Gard.* 114.—China.— $\frac{1}{2}$.

Castillonis *Hort.*—*Freem. Bamb. Gard.* 152; *Satow, Cult. Bamb. Jap.* 87, with plate.—Japan.— $\frac{1}{2}$.

flexuosa *A. & C. Rivière.*—*Freem. Bamb. Gard.* 131.—China.— $\frac{1}{2}$.

Henonis *Hort.*—*Satow, Cult. Bamb. Jap.* 40, with plate.—China.— $\frac{1}{2}$.

PHYLLOSTACHYS (*continued*).

Kumasaca Munro.—*Freem. Bamb. Gard.* 162; *Satow, Cult. Bamb. Jap.* 70, with plate.—Japan.— $\frac{1}{2}$.

Marliacea Hort.—*Freem. Bamb. Gard.* 158; *Satow, Cult. Bamb. Jap.* 85, with plate.—China, Japan.— $\frac{1}{2}$.

mitis A. & C. Rivière.—*Freem. Bamb. Gard.* 117; *Satow, Cult. Bamb. Jap.* 35, with plate.—China, Japan.— $\frac{1}{2}$.

nigra Munro.—*Freem. Bamb. Gard.* 142; *Satow, Cult. Bamb. Jap.* 52, with plate; *B. M. t.* 7994.—China, Japan.— $\frac{1}{2}$.

Quilioi A. & C. Rivière.—*Freem. Bamb. Gard.* 124; *Satow, Cult. Bamb. Jap.* 22, with plate.—China, Japan.— $\frac{1}{2}$.

PHYSALIS L.—*N. Pff.* iv. 3b. 19.—Solanaceæ—Solaneæ—Solaninæ.

Francheti Mast. in *Gard. Chron.* 1894, ii. 441; *Nich. Dict. Suppl.* 599.—Japan.—☉. Summer.

peruviana L.—*DC.* xiii. 1. 440.—S. America.— $\frac{1}{4}$. Summer.

Physianthus Mart. & Zucc. = *Araujia*.

PHYSOCARPUS Maxim.—*N. Pff.* iii. 3. 14.—Rosaceæ—Spiræoideæ—Spirææ.

opulifolia Maxim.—*Schneider, Hdb. Laubh.* i. 442.—*Spiræa op.* L. *DC.* ii. 542.—*Neillia opulif.* Benth. & Hook.—Canada to Florida.— $\frac{1}{2}$. April–May.

pauciflorus Heller.—*Schneider, Hdb. Laubh.* i. 444.—*P. Torreyi* Hook. fil. *B. M. t.* 7758.—South-western United States.— $\frac{1}{2}$. April–May.

PHYSOCHLÆNA G. Don.—*N. Pff.* iv. 3b. 17.—Solanaceæ—Solaneæ—Hyoscyaminæ.

orientalis G. Don.—*DC.* xiii. 1. 555; *B. M. t.* 2414.—Caucasus.— $\frac{1}{4}$.

PHYTOLACCA L.—*N. Pff.* iii. 1b. 10.—Phytolaccaceæ—Phytolacceæ.

***decandra** L.—*DC.* xiii. 2. 32; *B. M. t.* 931; *Fl. d'It* n. 1058.—N. America.— $\frac{1}{4}$. July–October.

dioica L.—*DC.* xiii. 2. 30; *Fl. d'It.* n. 1059; *Walter, Phytol. (R. V. C.)*, 46.—Peru to Argentina.— $\frac{1}{2}$. June.

†**PICEA** Link.—*N. Pff.* ii. 1. 77, *Nachtr.* 23.—Pinaceæ—Abietinæ.

excelsa Link.—*DC.* xvi. 2. 416.—*Abies excelsa* Poir. *Fl. d'It.* n. 91.—Europe.— $\frac{1}{2}$.

Morinda Link.—*DC.* xvi. 2. 416; *Fl. Brit. Ind.* v. 653; *Gard. Chron.* 1904, i. 325.—Himalaya.— $\frac{1}{2}$. March–April. *Smithiana* Boiss. = *Morinda*.

PILEA *Lindl.*—*N. Pff.* iii. 1. 108.—Urticaceæ-Procrideæ.
microphylla *Liebm.*—*DC.* xvi. 1. 106; *Nich. Dict.* 125.—
 Tropical America.— $\mathcal{U}$. Spring and summer.
muscosa *Hort.* = *microphylla*.

†**PILOCARPUS** *Vahl.*—*N. Pff.* iii. 4. 157.—Rutaceæ-Rutoideæ—
 -Cuspariæ-Pilocarpinæ.
pennatifolius *Lem.*—*B. M.* t. 7235.—Brazil.— $\frac{1}{2}$. May-
 December.
racemosus *Vahl.*—*DC.* i. 728.—W. Indies.— $\frac{1}{2}$.

Pilocereus *Lem.* = *Cereus*.

Pilogyne suavis *Schrad.* = *Melothria punctata* *Cogn.*

PIMELEA *Banks & Sol.*—*N. Pff.* iii. 6a. 242.—Thymelæaceæ—
 Thymelæoideæ-Pimeleæ.
decussata *R. Br.* = *ferruginea*.
ferruginea *Labill.*—*Fl. Austr.* vi. 10.—*P. decussata* *R. Br.*
DC. xiv. 502; *Lodd. B. C.* t. 1283.—W. Australia.— $\frac{1}{2}$.
 Nearly always.
spectabilis *Lindl.*—*DC.* xiv. 504; *Fl. Austr.* vi. 9; *B. M.* t.
 3950.—W. Australia.— $\frac{1}{2}$.

Pincenectitia tuberculata *Hort.* = *Beaucarnea recurvata* *Lem.* (see
 Supplement).

†**PINGUICULA** *Tourn.*—*N. Pff.* iv. 3b. 118.—Lentibulariaceæ—
 Utriculariæ.
grandiflora *Lam.*—*Ardoino, Fl. Alp. Mar.* 307; *Fl. d'It.*
 n. 3224 γ b.—Sea Alps.— $\mathcal{U}$. April-July.

†**PINUS** *L.*—*N. Pff.* ii. 1. 70; *Nachtr.* 21.—Pinaceæ-Abietinæ.
bruttia *Ten.*—*DC.* xvi. 2. 384; *Fl. d'It.* n. 85b.—Calabria.—
 $\frac{1}{2}$. March.
canariensis *C. Sm.*—*DC.* xvi. 2. 393.—Canary Islands.— $\frac{1}{2}$.
 March-April.
Coulteri *D. Don.*—*DC.* xvi. 2. 392; *Jeps. Silva Calif.* 84.
 t. 24.—California.— $\frac{1}{2}$
edulis *Engelm.*—*DC.* xvi. 2. 398.—New Mexico.— $\frac{1}{2}$.
excelsa *Wall.*—*DC.* xvi. 2. 404.—Himalaya.— $\frac{1}{2}$.
 **halepensis* *Mill.*—*DC.* xvi. 2. 383; *Fl. d'It.* n. 85.—Mediterranean
 region.— $\frac{1}{2}$. March.
insignis *Dougl.* = *radiata*.
Jeffreyi *Murr.*—*DC.* xvi. 2. 393; *B. M.* t. 8257.—California.
 — $\frac{1}{2}$.

PINUS (*continued*).

Lambertiana Dougl.—*DC.* xvi. 2. 406; *Jeps. Silva Calif.* 70. t. 15.—*N. California.*— h .

Laricio Poir.—*DC.* xvi. 2. 386; *Fl. d'It.* n. 86.—*S. Europe, Asia Minor.*— h .

longifolia Roxb.—*DC.* xvi. 2. 390; *Fl. Brit. Ind.* v. 652.—*Himalaya.*— h .

maritima Lam. = *Pinaster* Sol.

Massoniana Lamb.—*DC.* xvi. 2. 389; *Sieb. & Zucc. Fl. Jap.* t. 113. 114.—*China.*— h .

Montezumæ Lamb.—*DC.* xvi. 2. 398; *Gard. Chron.* 1899, i. 147.—*Mexico.*— h .

patula Schiede & Deppe.—*DC.* xvi. 2. 397.—*Mexico.*— h .

***Pinaster** Sol.—*DC.* xvi. 2. 382; *Fl. d'It.* n. 84.—*S. W. Europe, Algeria.*— h . April–May.

Pinea L.—*DC.* xiv. 2. 381; *Fl. d'It.* n. 83.—*Mediterranean region, Canaries, Madeira.*— h . April–May.

radiata D. Don.—*Jeps. Silva Calif.* 100. t. 30.—*P. insignis* Dougl. *DC.* xvi. 2. 395.—*California.*— h . April.

***silvestris** L.—*DC.* xvi. 2. 385; *Fl. d'It.* n. 87.—*Europe, N. W. Asia.*— h . April.

Thunbergii Parl.—*DC.* xvi. 2. 388.—*Japan.*— h .

PIPER L.—*N. Pff.* iii. 1. 6.—*Piperaceæ.*

Betle L.—*DC.* xvi. 1. 359; *B. M.* t. 3132.—*India, Malaya.*— h .

†**PIRUS** Tourn.—*N. Pff.* iii. 3. 22.—*Rosaceæ–Pomoideæ–Pomariææ.*

communis L.—*DC.* ii. 633; *Fl. d'It.* n. 1850.—*Europe.*— h .—April.

domestica Sm.—*Fl. d'It.* n. 1856.—*DC.* ii. 637, as *Pyrus Sorbus* Gaertn.—*Sorbus domestica* L.—*Mediterranean region.*— h . April.

Malus L.—*DC.* ii. 635; *Fl. d'It.* n. 1851.—*Europe.*— h . April.

sinensis Lindl.—*Schneider, Hdb. Laubh.* i. 663.—*Northern China.*— h .

spectabilis Ait.—*DC.* ii. 635; *B. M.* t. 267; *Lodd. B. C.* t. 1729.—*China.*— h . April.

syriaca Boiss. *Fl. Or.* ii. 655; *Schneider, Hdb. Laubh.* i. 660.—*Cyprus, Syria, Armenia.*— h .

trilobata DC. ii. 636; *Labill. Dec.* iv. 15. t. 10, as *Cratægus.*—*Sorbus trilobata* Boiss. *Fl. Or.* ii. 657.—*Eriolobus tril.* Roem. *Schneider, Hdb. Laubh.* i. 726.—*Lebanon.*— h . May.

- PISONIA** *L.*—*N. Pff.* iii. 1b. 29.—Nyctaginaceæ—Pisoniææ.
hirtella *H. B. K.*—*DC.* xiii. 2. 445; *Bossche, Ic. Sel.* i. t. 15.
 —Mexico.—½. October–December.
Brunoniana *Endl.*—*Fl. Austr.* v. 280; *Hdb. Fl. N. Zeald.* 229.—Australia, New Zealand, Norfolk Island.—½.
- PISTACIA** *L.*—*N. Pff.* iii. 5. 157.—Anacardiaceæ—Rhoideæ.
atlantica *Desf.*—*DC.* ii. 64; *N. Pff.* l. c. 158.—Canaries, N. Africa, Cyprus.—½.
 **Lentiscus* *L.*—*DC.* ii. 65; *B. M.* t. 1967; *Fl. d'It.* n. 2456.
 —Mediterranean region.—½. April–May.
mutica *Fisch. & Mey.*—*Boiss. Fl. Or.* ii. 7; *N. Pff.* l. c. 158.
 —Turkey, Asia Minor to Afghanistan.—½.
 **Terebinthus* *L.*—*DC.* ii. 64; *Fl. d'It.* n. 2455.—Mediterranean region.—½. April–May.
vera *L.*—*DC.* ii. 64; *Boiss. Fl. Or.* ii. 5; *Fl. d'It.* n. 2454.—Persia, Syria, Mediterranean region.—½.
- PISTORINIA** *DC.*—*N. Pff.* iii. 2a. 33, under *Cotyledon.*—Crassulaceæ.
hispanica *DC.* iii. 399, *Pl. Gr.* t. 122.—Spain, N. Africa.—☉. Spring, summer.
- PISUM** *L.*—*N. Pff.* iii. 3. 354.—Leguminosæ—Papilionatæ—Vicieæ.
arvense *L.*—*DC.* ii. 368; *N. Pff.* l. c. 355.—Orient, Mediterranean region.—☉ §. All the year.
sativum *L.*—*DC.* ii. 368; *N. Pff.* l. c. 355.—S. Europe, Orient.—☉ §. All the year.
- PITCAIRNIA** *L'Hér.*—*N. Pff.* ii. 4. 50.—Bromeliaceæ—Pitcairnieæ.
Altensteinii *Lem.* in *Fl. d. S.* t. 162; *Bak. Brom.* 111; *B. M.* t. 4241, as *P. undulatifolia* *Hook.*—Venezuela.—¼.
angustifolia *Sol.*—*Bak. Brom.* 91; *B. M.* t. 1547; *Red. Lil.* t. 76.—W. Indies.—¼.
bromeliæfolia *L'Hér.*—*Bak. Brom.* 94; *B. M.* t. 834; *Red. Lil.* t. 75.—W. Indies.—¼.
cærulea *Benth. & Hook. f.*—*Bak. Brom.* 121.—*Puya Whytei* *Hook. fil.* *B. M.* t. 5732.—Chili.—¼ ½.
echinata *Hook.* in *B. M.* t. 4709; *Bak. Brom.* 108; *Fl. d. S.* t. 844.—Colombia.—¼.
ferruginea *Rz. & Pav.*—*Bak. Brom.* 119; *B. M.* t. 5234, as *Puya grandiflora* *Hook.*—Peru, Mexico.—½.
imbricata *Regel.*—*Bak. Brom.* 113.—Mexico.—¼.

PITCAIRNIA (*continued*).

Moritziana C. Koch & Bouché.—*Bak. Brom.* 98.—Venezuela.
—24.

pulverulenta Rz. & Pav.—*Bak. Brom.* 106; *B. M.* t. 4775,
as *P. longifolia* Hook.—Peru, Bolivia.—24.

spathacea Griseb.—*Bak. Brom.* 102; *B. M.* t. 7966.—Argentina.
—24. June.

‡ **PITHECOCTENIUM** Mart.—*N. Pff.* iv. 3b. 218.—Bignoniaceæ
—Bignoniæ.

buccinatorium DC. = *Phaedranthus buccinatorius*.

cynanchoides DC. ix. 195.—*P. clematideum* Hieron. *Ic. &*
Descr. Pl. Republ. Arg. 42. t. 7.—Argentina.—2 §.

muricatum Moç.—DC. ix. 194.—Mexico.—2 §. Summer.

squalus DC. ix. 194.—Brazil.—2 §. Summer.

PITHECOLOBIUM Mart.—*N. Pff.* iii. 3. 104.—Leguminosæ—
Mimosoideæ—Ingeæ.

brevifolium Benth. in A. Gray, *Pl. Wright.* i. 67.—Western
N. America.—2.

polycephalum Benth.—*N. Pff.* l. c. 106.—Tropical America.
—2.

pruinoseum Benth.—*Fl. Austr.* ii. 423.—Queensland, N. S.
Wales.—2. May–June.

‡ **PITTOSPORUM** Banks.—*N. Pff.* iii. 2a. 110.—Pittosporaceæ
—Pittosporæ.

arbutifolium Hort. = *viridiflorum*.

bicolor Hook.—*Fl. Austr.* i. 113.—Victoria, Tasmania.—2.
March–April.

bracteolatum Endl.—*N. Pff.* l. c. 111.—Norfolk Island.—
2. February–April.

Buchanani Hook. *fil. Hdb. Fl. N. Zeald.* 725.—New Zealand.
—2.

Colensoi Hook. *fil. Hdb. Fl. N. Zeald.* 19; *Gard. Chron.*
1899, ii. 370; *B. M.* t. 8305.—New Zealand.—2. April.

coriaceum Dryand.—DC. i. 346; *Lodd. B. C.* t. 569.—
Madeira.—2. May.

crassifolium Sol.—*Hdb. Fl. N. Zeald.* 20; *B. M.* t. 5978;
Gard. Chron. 1901, ii. 431.—New Zealand.—2. April.

eriocarpum Royle.—*Fl. Brit. Ind.* i. 199; *Brand. For. Fl.*
19; *B. M.* t. 7473.—Western Himalaya.—2. May.

erioloma C. Moore & F. Muell. in *Fragm.* vii. 139.—Lord
Howe's Island.—2. April.

PITTOSPORUM (*continued*).

eugenioides *A. Cunn.*—*Hdb. Fl. N. Zeald.* 21.—New Zealand.
— $\frac{1}{2}$. May.

floribundum *Wight & Arn.*—*Fl. Brit. Ind.* i. 199; *Brand. For. Fl.* 19.—Himalaya.— $\frac{1}{2}$. May.

heterophyllum *Franch.*—*Ind. Kew. i. Suppl.*—China.— $\frac{1}{2}$.
April–May.

Mayi *Hort.*—*Gard. Chron.* 1899, ii. 371, with figure.—New Zealand?— $\frac{1}{2}$. April.

patulum *Hook. fil. Hdb. Fl. N. Zeald.* 19.—New Zealand.
— $\frac{1}{2}$.

phillyræoides *DC.* i. 347; *Fl. Austr.* i. 112; *Lodd. B. C.* t. 1859.—Australia.— $\frac{1}{2}$. April–May.

procerum *Naudin.*—Australia?— $\frac{1}{2}$. April–May.

Ralphii *T. Kirk, Trans. N. Z. Inst.* iii. 1871, 161.—New Zealand.— $\frac{1}{2}$.

revolutum *Ait.*—*DC.* i. 346; *Fl. Austr.* i. 111; *Lodd. B. C.* t. 506.—Queensland, N. S. Wales, Victoria.— $\frac{1}{2}$. April.

rhombifolium *A. Cunn.*—*Fl. Austr.* i. 110.—Queensland, N. S. Wales.— $\frac{1}{2}$. July.

tenuifolium *Gaertn.*—*Hdb. Fl. N. Zeald.* 19.—New Zealand.
— $\frac{1}{2}$. April.

Tobira *Ait.*—*DC.* i. 346; *B. M.* t. 1396.—Japan, China.— $\frac{1}{2}$.
April–May.

umbellatum *Banks & Sol.*—*Hdb. Fl. N. Zeald.* 21.—New Zealand.— $\frac{1}{2}$.

undulatum *Vent.*—*DC.* i. 346; *Fl. Austr.* i. 111.—N. S. Wales, Victoria.— $\frac{1}{2}$. April.

viridiflorum *Sims* in *B. M.* t. 1684; *DC.* i. 346; *Fl. Cap.* i. 443.—S. Africa.— $\frac{1}{2}$. April.

PLAGIANTHUS *Forst.*—*N. Pff.* iii. 6. 42.—Malvaceæ—Malvæ
—*Sidina*æ.

pulchellus *A. Gray.*—*Fl. Austr.* i. 189.—*Sida pulchella* Bonpl. *DC.* i. 468; *Vent. Jard. Malm.* t. 2.—N. S. Wales, Victoria, Tasmania.— $\frac{1}{2}$. Spring.

*Plagi*us L'Hér. = *Chrysanthemum*.

PLANTAGO *L.*—*N. Pff.* iv. 3b. 369.—Plantaginaceæ.

acanthophylla *Decne.*—*DC.* xiii. 1. 730; *W. & L. Fl. Hisp.* ii. 357.—Spain.— $\frac{1}{4}$.

Serraria *L.*—*DC.* xiii. 1. 731; *Fl. d'It.* n. 3247.—Western Mediterranean region.— $\frac{1}{4}$.

†**PLATYCERIUM** *Desv.*—*N. Pff.* i. 4. 336.—Polypodiaceæ—Acrosticheæ—Platyceiriinæ.

alcicorne *Desv.*—*Hook. Syn. Fil.* 425.—Temperate Australia, Mascarene Islands and Seychelles.— $\frac{1}{2}$.

PLATYCODON *A. DC.*—*N. Pff.* iv. 5. 59.—Campanulaceæ—Campanuloideæ—Campanuleæ—Platycodinæ.

grandiflorum *A. DC.*—*DC.* xii. 422; *B. M.* t. 252.—China, Japan.— $\frac{1}{2}$. May–June.

Plectogyne Link. = *Aspidistra*.

PLECTRANTHUS *L'Hér.*—*N. Pff.* iv. 3a. 352.—Labiatae—Ocimoideæ—Plectranthinæ.

cylindraceus *Hochst.*—*DC.* xii. 60; *Fl. Trop. Afr.* v. 414.—Arabia, Abyssinia.— $\frac{1}{2}$.

fruticosus *L'Hér.*—*DC.* xii. 62.—S. Africa.— $\frac{1}{2}$. October–June.

parviflorus *Willd.*—*DC.* xii. 67; *Fl. Austr.* v. 78.—Australia.— $\frac{1}{2}$.

PLEUROSPERMUM *Hoffm.*—*N. Pff.* iii. 8. 171.—Umbelliferae—Apioideæ—Smyrniæ.

austriacum *Hoffm.*—*DC.* iv. 244; *Fl. d'It.* n. 2397.—Northern Asia, Central Europe.— $\frac{1}{2}$. April–May.

Golaka Reichb. = *Hladnikia Golaka* Reichb. fil.

PLOCAMA *Ait.*—*N. Pff.* iv. 4. 133.—Rubiaceæ—Coffeoideæ—Psychotriinæ—Anthospermeæ.

pendula *Ait.*—*DC.* iv. 577; *N. Pff.* l. c. 131. fig. 427.—Canary Islands.— $\frac{1}{2}$.

PLUMBAGO *L.*—*N. Pff.* iv. 1. 122.—Plumbaginaceæ—Plumbagineæ.

capensis *Thunb.*—*DC.* xii. 693; *B. M.* t. 2110; *Lodd. B. C.* t. 295.—S. Africa.— $\frac{1}{2}$. May–January.

europæa *L.*—*DC.* xii. 691; *B. M.* t. 2139; *Fl. d'It.* n. 2708.—S. Europe, Caucasus.— $\frac{1}{2}$. September–October.

Larpenæ Lindl. = *Ceratostigma plumbaginoides* Bunge.

pulchella *Boiss.*—*DC.* xii. 692.—Mexico.— $\frac{1}{2}$. May–June.

PLUMIERA *L.*—*N. Pff.* iv. 2. 136.—Apocynaceæ—Plumierioideæ—Plumiereæ—Alstoniinae.

alba *L.*—*DC.* viii. 392; *Fl. W. Ind.* 411; *Desc. Fl. Med. Ant.* iii. t. 178.—W. Indies.— $\frac{1}{2}$.

rubra *L.*—*DC.* viii. 390; *Fl. W. Ind.* 411; *B. M.* t. 279; *Desc. Fl. Med. Ant.* iv. t. 297.—Central America.— $\frac{1}{2}$. June–Sept.

PODANTHUS *Lag.*—*N. Pff.* iv. 5. 224.—Compositæ—Heliantheæ—Petrobinæ.

Mitiqui *Lindl.*—*N. Pff.* l. c.—*DC.* v. 501, sub *Euxenia*.—Chili.—½. June.

‡**PODOCARPUS** *L'Hér.*—*N. Pff.* ii. 1. 104, *Nachtr.* 20.—Taxaceæ—Podocarpeæ.

elongatus *L'Hér.*—*DC.* xvi. 2. 511; *Pilger, Taxac. (R. V. C.* iv. 5.), 89.—S. Africa.—½.

falcatus *R. Br.*—*DC.* xvi. 2. 511; *Pilger, Taxac. (R. V. C.* iv. 5.), 89.—S. Africa.—½.

neriifolius *D. Don.*—*DC.* xvi. 2. 514; *B. M.* t. 4655; *Fl. d. S.* t. 768; *Fl. Brit. Ind.* v. 649; *Pilger, Taxac. (R. V. C.)*, 80.—South-eastern Asia, Malayan Archipelago.—½.

‡**PODRANEA** *Sprague.*—*Fl. Cap.* iv. 2. 449.—Bignoniaceæ—Tecomeæ.

Ricasoliana *Sprague.*—*Fl. Cap.* iv. 2. 450.—*Tecoma Ricasoliana* *Hort.*—Pondo Land.—½ §. July–October.

Poinciana Gilliesii *Hook.* = *Cæsalpinia Gilliesii*.

Poinsettia *Grah.* = *Euphorbia*.

‡**POLYGALA** *L.*—*N. Pff.* iii. 4. 330.—Polygalaceæ—Polygaleæ.

apopetala *Brand. Pl. Baja Cal.* 130. t. 3; *B. M.* t. 8065.—Lower California.—½. June–July.

myrtifolia *L.*—*DC.* i. 322; *Fl. Cap.* i. 83.—Cape.—½. March–October.

oppositifolia *L.*—*DC.* i. 321; *Fl. Cap.* i. 82.—Cape.—½. March–October.

virgata *Thunb.*—*DC.* i. 322; *Fl. Cap.* i. 85.—Cape.—½. May–June.

POLYGONUM *L.*—*N. Pff.* iii. 1a. 25.—Polygonaceæ—Polygonoidæ—Polygoneæ.

capitatum *Ham.*—*DC.* xiv. 129; *Fl. Brit. Ind.* v. 44; *Ref. Bot.* t. 11.—Himalaya.—¼. October–April.

equisetiforme *Sibth. & Sm.*—*DC.* xiv. 85; *Fl. d'It.* n. 976.—Mediterranean region.—½. August.

multiflorum *Thunb.*—*DC.* xiv. 136.—Japan, China.—¼ §. September–October.

POLYMNIA *L.*—*N. Pff.* iv. 5. 217.—Compositæ—Heliantheæ—Melampodinæ.

silphioides *DC.* v. 516.—Brazil.—¼. June–July.

Uvedalia *L.*—*DC.* v. 515.—N. America.—¼ June–July

POLYPODIUM *L.*—*N. Pff.* i. 4. 306.—Polypodiaceæ—Polypodiæ—Polypodiinæ.

**vulgare* *L.*—*Hook. Syn. Fil.* 334 ; *Fl. d'It.* n. 4.—Europe, Asia, Africa, N. America.— $\mathcal{U}$.

POLYSTICHUM *Roth.*—*N. Pff.* i. 4. 189.—Polypodiaceæ—Aspidiæ—Aspidiinæ.

aculeatum *Roth.*—*N. Pff.* l. c. 191 ; *Hook. Syn. Fil.* 252.—Throughout the world.— $\mathcal{U}$.

falcatum *Diels.*—*N. Pff.* l. c. 194 ; *Hook. Syn. Fil.* 257.—E. Africa, India, China, Japan, &c.— $\mathcal{U}$.

POMADERRIS *Labill.*—*N. Pff.* iii. 5. 419.—Rhamnaceæ—Rhamneæ.

apetala *Labill.*—*DC.* ii. 33 ; *Fl. Austr.* i. 419.—N. S. Wales, Victoria, Tasmania, S. Australia.— $\mathcal{h}$. April–May.

lanigera *Sims* in *B. M.* t. 1823 ; *DC.* ii. 33 ; *Fl. Austr.* i. 416.—N. S. Wales.— $\mathcal{h}$.

racemosa *Hook.*—*Fl. Austr.* i. 421.—Victoria, Tasmania, S. Australia.— $\mathcal{h}$. May.

PONTEDERIA *L.*—*N. Pff.* ii. 4. 73.—Pontederiaceæ.

cordata *L.*—*N. Pff.* l. c.—*Red. Lil.* t. 72 ; *Torr. Fl. N. York.* ii. t. 58.—America.— $\mathcal{U}$. Summer.

POPULUS *L.*—*N. Pff.* iii. 1. 35.—Salicaceæ.

**nigra* *L.*—*DC.* xvi. 2. 327 ; *Fl. d'It.* n. 886.—Europe.— $\mathcal{h}$. April.

†**PORLIERIA** *Rz. & Pav.*—*N. Pff.* iii. 4. 83.—Zygophyllaceæ—Zygophylloideæ—Zygophylleæ.

hygrometra *Rz. & Pav.*—*DC.* i. 707.—Peru, Chili.— $\mathcal{h}$. November.

PORTULACA *L.*—*N. Pff.* iii. 1b. 59.—Portulacaceæ.

grandiflora *Hook. B. M.* t. 2885 ; *Berger, Mesembr. & Port.* 309.—Brazil.— $\odot$. April–June.

†**PORTULACARIA** *Jacq.*—*N. Pff.* iii. 1b. 59.—Portulacaceæ.

afra *Jacq.*—*DC. Pl. Gr.* t. 132, *Prodr.* iii. 360 ; *Fl. Cap.* ii. 386 ; *Berger, Mesembr. & Port.* 308.—S. Africa.— $\mathcal{h}$.

POTENTILLA *L.*—*N. Pff.* iii. 3. 34.—Rosaceæ—Rosoideæ—Potentilleæ—Potentillinæ.

arguta *Pursh.*—*DC.* ii. 581.—N. America.— $\mathcal{U}$. Spring.

bifurca *L.*—*DC.* ii. 580.—Caucasus, N. Asia.— $\mathcal{U}$. Spring.

POTENTILLA (*continued*).

delphinensis Gren. & Godr. *Fl. Fr.* i. 530.—S. France.—
— $\mathcal{U}$. Spring.

gracilis Dougl. ex Hook. in *B. M.* t. 2984.—Western N.
America.— $\mathcal{U}$. Spring.

micrantha Ram.—*DC.* ii. 585; *Fl. d'It.* n. 1768 β .—Europe,
W. Asia, Tunis, Algeria.— $\mathcal{U}$. Spring.

persica Boiss. & Haussk.—*Fl. Or.* ii. 710.—Persia.— $\mathcal{U}$. Spring.

rupestris L.—*DC.* ii. 583; *Fl. d'It.* n. 1793.—Europe, N. Asia.
— $\mathcal{U}$. Spring.

speciosa Willd.—*DC.* ii. 586; *Fl. Or.* ii. 705; *Hal. Consp.*
Fl. Gr. i. 512.—South-east Europe, Orient.— $\mathcal{U}$. Spring.

tanacetifolia Willd.—*DC.* ii. 581.—Siberia.— $\mathcal{U}$. Spring.

‡**POTERIUM** L.—*N. Pff.* iii. 3. 45.—Rosaceæ—Rosoideæ—San-
guisorbeæ.

spinosum L.—*DC.* ii. 594; *Fl. d'It.* n. 1809.—Eastern
Mediterranean region, S. Italy, Sicily.— $\mathcal{U}$. May–July.

‡**POUTERIA** Aubl.—*N. Pff.* iv. 1. 141.—Sapotaceæ—Palaquieæ—
Sideroxylinæ.

salicifolia Rdlk. in *N. Pff.* l. c. 142.—S. Brazil.— $\mathcal{U}$. July.

suavis Hemsl. in *Kew Bull.* 1906, 365.—Uruguay.— $\mathcal{U}$.

POZOA Lag.—*N. Pff.* iii. 8. 129.—Umbelliferæ—Hydrocotyloideæ
—Mulineæ—Azorellinæ.

coriacea Lag.—*DC.* iv. 82.—Chili.— $\mathcal{U}$.

PRANGOS Lindl.—*N. Pff.* iii. 8. 174.—Umbelliferæ—Apioideæ—
Smyrniæ.

ferulacea Lindl.—*DC.* iv. 239; *Fl. d'It.* n. 2411.—Eastern
Mediterranean region, Persia.— $\mathcal{U}$.

PRASIMUM L.—*N. Pff.* iv. 3a. 221.—Labiatae—Prasioideæ.

majus L.—*DC.* xii. 556; *Fl. d'It.* n. 3087.—Mediterranean
region, Canary Islands.— $\mathcal{U}$. May–June.

‡**PRIMULA** L.—*N. Pff.* iv. 1. 105.—Primulaceæ—Primuleæ—
Primulinæ.

acaulis Hill.—*Pax, Primul. (R. V. C.* iv. 237), 54; *Fl. d'It.*
n. 2662.—Mediterranean region, S. and Central Europe.—
— $\mathcal{U}$. March–April.

Allionii Lois.—*DC.* viii. 38; *Pax, l. c.* 144; *Moggr. Fl. Ment.*
t. 63; *Bickn.* t. 49; *Fl. d'It.* n. 2672; *The Gard.* 1902, i.
326.—Sea Alps.— $\mathcal{U}$. February–March.

PRIMULA (*continued*).

- floribunda** Wall.—*DC.* viii. 35; *B. M.* t. 6712; *Pax, l. c.* 35.—Western Himalaya, Afghanistan.— $\frac{1}{2}$. February–May.
- Forbesii** Franch.—*Pax, l. c.* 34; *B. M.* t. 7246; *Gard. Chron.* 1904, i. 20.—China.— $\frac{1}{2}$. February–May.
- kewensis** Hort.—*Journ. R. Hort. Soc.* 1900, lxx. fig. 52 A; *The Gard.* 1903, ii. 10, with plate.—Garden origin.— $\frac{1}{2}$. February–May.
- marginata** Curt. in *B. M.* t. 191; *DC.* viii. 38; *Moggr.* t. 11; *Bicknell*, t. 49; *Pax, l. c.* 133; *Fl. d'It.* n. 2670.—Sea Alps.— $\frac{1}{2}$. March–April.
- obconica** Hance.—*Pax, l. c.* 22; *Nich. Dict. Suppl.* 620; *B. M.* t. 6582 as *P. poculiformis* Hook. fil.—China.— $\frac{1}{2}$. October–April.
- Palinuri** Petagna.—*DC.* viii. 37; *B. M.* t. 3414; *Fl. d'It.* n. 2667; *Pax, l. c.* 132.—S. Italy.— $\frac{1}{2}$. March–April.
- simensis** Hochst.—*Pax, l. c.* 37; *B. M.* t. 6042, as *P. verticillata* var. *simensis* Hook. fil.—Abyssinia.— $\frac{1}{2}$. December–May.
- sinensis** Lindl.—*DC.* viii. 35; *Pax, l. c.* 21; *Lodd. B. C.* t. 916; *B. M.* t. 2564, 7559.—Central China.— $\frac{1}{2}$. December–May.
- verticillata* Hort. = *simensis*.

Pritchardia filifera Linden = *Washingtonia*.

PROBOSCIDEA Schmid.—*N. Pff.* iv. 3b. 269.—Martyniaceæ.

- Jussieui** Steud.—*N. Pff. l. c.*—*Martynia proboscidea* Glox. *B. M.* t. 1056; *DC.* ix. 253.—Texas, Arizona.— $\odot$. Summer.
- lutea** Stapf.—*N. Pff. l. c.*—*Martynia lutea* Lindl. *DC.* ix. 253.—S. Brazil, Paraguay, Uruguay.— $\odot$. Summer.

PROSOPIS L.—*N. Pff.* iii. 3. 118.—Leguminosæ–Mimosoideæ–Adenanthereæ.

- juliflora** DC. ii. 447.—Tropical America.— $\frac{1}{2}$.
- spicigera** L.—*DC.* ii. 446; *Brand. For. Fl.* 169; *Fl. Brit. Ind.* ii. 288.—Persia, Afghanistan, India.— $\frac{1}{2}$.
- torquata** DC. ii. 448.—Argentina.— $\frac{1}{2}$.

‡**PROTEA** L.—*N. Pff.* iii. 1. 136.—Proteaceæ–Persoonioideæ–Proteeæ.

- abyssinica** Willd.—*DC.* xiv. 237.—Abyssinia, S. Africa.— $\frac{1}{2}$.
- mellifera** Thunb.—*DC.* xiv. 239; *B. M.* t. 346.—S. Africa.— $\frac{1}{2}$.

PROUSTIA Lag.—*N. Pff.* iv. 5. 343.—Compositæ—Mutisieæ—Mutisinæ.

pyrifolia Lag.—*DC.* vii. 27; *B. M.* t. 5489; *Gard. Chron.* 1898, ii. 143.—Chili.— $\frac{1}{2}$.

‡**PRUNUS** L.—*N. Pff.* iii. 3. 51.—Rosaceæ—Prunoideæ.

Amygdalus Stokes.—*N. Pff.* l. c. 53; *Fl. d'It.* n. 1738.—*Amygdalus communis* L. *DC.* ii. 530.—Central and Eastern Asia.— $\frac{1}{2}$. February.

avium L.—*N. Pff.* l. c. 54; *Fl. d'It.* n. 1747.—*Cerasus avium* Moench. *DC.* ii. 535.—Europe.— $\frac{1}{2}$. March.

Capollin Zucc.—*DC.* ii. 541, as *Cerasus Capuli*.—Mexico.— $\frac{1}{2}$. May.

caroliniana Ait.—*DC.* ii. 540, as *Cerasus*.—Carolina to Florida.— $\frac{1}{2}$. March–May.

Cerasus L.—*N. Pff.* l. c. 54; *Fl. d'It.* n. 1748.—Asia Minor? — $\frac{1}{2}$. March.

divaricata Ledeb.—*DC.* ii. 534.—Caucasus.— $\frac{1}{2}$. March.

domestica L.—*DC.* ii. 533; *Fl. d'It.* n. 1743.—S. Europe.— $\frac{1}{2}$. March.

hortulana L. H. Bailey.—*Schneider, Hdb. Laubh.* i. 622.—N. America.— $\frac{1}{2}$. March.

ilicifolia Walp.—*Nich. Dict.* 295. fig. 403a, as *Cerasus*.—California.— $\frac{1}{2}$.

japonica Thunb.—*Sieb. & Zucc. Fl. Jap.* i. 172. t. 90; *Schneider, Hdb. Laubh.* i. 612; *DC.* ii. 539, as *Cerasus*.—*P. chinensis* Hort.—China, Japan.— $\frac{1}{2}$. March.

„ var. **fl. albo pleno** *Kew Hand-list.* 223.— $\frac{1}{2}$.

„ var. **fl. roseo pleno** *Kew Hand-list.* 223.—*Amygdalus pumila* Sims in *B. M.* t. 2176.— $\frac{1}{2}$.

Laurocerasus L.—*DC.* ii. 540; *Fl. d'It.* n. 1751.—Caucasus, Western Asia.— $\frac{1}{2}$. April.

„ var. **parvifolia** *Kew Hand-list of Trees & Shrubs,* 2nd ed. 233.—*Hartogia capensis* Hort.— $\frac{1}{2}$.

lusitanica L.—*Fl. d'It.* n. 1752.—*DC.* ii. 540, as *Cerasus*.—Portugal.— $\frac{1}{2}$. May.

occidentalis Sw.—*DC.* ii. 540; *Fl. W. Ind.* 231; *Nich. Dict.* 296, as *Cerasus*.—W. Indies.— $\frac{1}{2}$.

pendula Desf.—*Nich. Dict. Suppl.* 623; *The Gard.* 1899, ii. 300; *B. M.* t. 8034.—Japan.— $\frac{1}{2}$.

Persica Sieb. & Zucc.—*N. Pff.* iii. 3. 53; *Fl. d'It.* n. 1739.—*Persica vulgaris* Mill. *DC.* ii. 531.—Orient.— $\frac{1}{2}$. March.

PRUNUS (*continued*).

Puddum *Roxb.*—*Fl. Brit. Ind.* ii. 314; *Brand. For. Fl.* 194; *DC.* ii. 537, as *Cerasus*.—Temperate Himalaya.— $\frac{1}{2}$.
December–January.

serotina *Willd.*—*DC.* ii. 540, as *Cerasus*.—N. America.— $\frac{1}{2}$.

serrulata *Lindl.*—*Schneider, Hdb. Laubh.* i. 611.—*Nich. Dict.* 297. fig. 405, as *Cerasus*.—China, Japan.— $\frac{1}{2}$.

stellipila *Koehne.*—China (*Wilson, n.* 177).— $\frac{1}{2}$.

triloba *Lindl.*—*B. M.* t. 8061.—China.— $\frac{1}{2}$. March.

ursina *Kotschy.*—*Fl. Or.* ii. 652.—Syria.— $\frac{1}{2}$.

spec. ? from Pamir Plateau, Chitral Valley (*Sir Dietr. Brandis*, 1904).— $\frac{1}{2}$.

PSEUDOPANAX *C. Koch.*—*N. Pff.* iii. 8. 46.—Araliaceæ—Schefflereæ.

crassifolius *C. Koch.*—*N. Pff. l. c.*; *Hdb. Fl. N. Zeald.* 101, as *Panax crassif.*—*Aralia trifoliata* *Hort.*—New Zealand.— $\frac{1}{2}$. July.

heteromorphus *Hort.*—*Nich. Dict.* 104, as *Aralia*.—New Zealand?— $\frac{1}{2}$.

Lessonii *Seem.*—*Hdb. Fl. N. Zeald.* 102, as *Panax*.—New Zealand.— $\frac{1}{2}$.

PSIADIA *Jacq.*—*N. Pff.* iv. 5. 168.—Compositæ—Astereæ—Conyzinæ.

glutinosa *Jacq. Hort. Sch.* t. 152; *DC.* v. 319; *Bak. Fl. Maur. & Seych.* 171.—Mauritius?— $\frac{1}{2}$. February–May.

† **PSIDIUM** *L.*—*N. Pff.* iii. 7. 67.—Myrtaceæ—Myrtoideæ—Myrteæ—Myrtinæ.

Cattleianum *Sab.*—*DC.* iii. 236; *B. M.* t. 2501; *Nich. Dict.* 239. fig. 304.—S. Brazil.— $\frac{1}{2}$. May–June.

Guajava *Raddi.*—*N. Pff. l. c.* 69; *Brand. For. Fl.* 232; *Fl. Brit. Ind.* ii. 468; *Fl. W. Ind.* 241.—*DC.* iii. 233 & 234, as *P. pyrifera* *L.* & *P. pomifera* *L.*—Tropical America.— $\frac{1}{2}$. May–June.

PSORALEA *L.*—*N. Pff.* iii. 3. 263.—Leguminosæ—Papilionatæ—Galegeæ—Psoraliinæ.

* **bituminosa** *L.*—*DC.* ii. 219; *Bicknell*, t. 18; *Bossche, Ic. Sel.* t. 82; *Fl. d'It.* n. 2087.—Mediterranean region.— $\frac{1}{4}$. May–September.

bracteata *Berg.*—*DC.* ii. 218; *Fl. Cap.* ii. 153; *Jacq. Hort. Sch.* ii. t. 224; *Lodd. B. C.* t. 1559.—S. Africa.— $\frac{1}{2}$.

PSORALEA (*continued*).

dentata DC. ii. 221.—Western Mediterranean region.— $\mathcal{U}$
May–October.

drupacea Bunge.—Boiss. *Fl. Or.* ii. 187.—Persia, Turkestan.
— $\mathcal{U}$.

glandulosa L.—DC. ii. 220; *Schneider, Hdb. Laubh.* ii. 68.
—Chili.— $\mathcal{U}$. May–July.

macrostachya DC. ii. 220.—California.— $\mathcal{U}$. May–June.

physodes Hook. *Fl. Bor. Am.* i. 136.—Western N. America.
— $\mathcal{U}$.

pinnata L.—DC. ii. 216; *Fl. Cap.* ii. 144; *Gard. Chron.*
1903, i. 301.—S. Africa.— $\mathcal{U}$.

PTERIDIUM *Gled.*—*N. Pff.* i. 4. 296.—Polypodiaceæ–Pterideæ
—Pteridinæ.

***aquilinum** Kuhn.—*N. Pff. l. c.*—*Hook. & Bak. Syn. Fil.* 162,
and *Fl. d'It.* n. 43, as *Pteris*.—Cosmopolitan.— $\mathcal{U}$.

PTERIS L.—*N. Pff.* i. 4. 290.—Polypodiaceæ–Pterideæ–Pteri-
dinæ.

arguta Ait.—*N. Pff. l. c.* 293; *Hook. Syn. Fil.* 160.—
Portugal, Canaries, &c.— $\mathcal{U}$.

cretica L.—*N. Pff. l. c.* 292; *Hook. Syn. Fil.* 154; *Fl. d'It.*
n. 45; *Bicknell*, t. 82.—Tropics and subtropics.— $\mathcal{U}$.

„ var. **albo-lineata** Hook. *B. M.* t. 5194.— $\mathcal{U}$.

longifolia L.—*Hook. Syn. Fil.* 153; *N. Pff. l. c.* 292; *Fl.*
d'It. n. 44.—Cosmopolitan.— $\mathcal{U}$.

serrulata L. *fil.*—*Hook. Syn. Fil.* 155; *N. Pff. l. c.* 292.—
China, Japan.— $\mathcal{U}$.

tremula R. Br.—*Hook. Syn. Fil.* 161; *N. Pff. l. c.* 293.—
E. Australia, New Zealand, &c.— $\mathcal{U}$.

PTEROCACTUS K. Schum.—*N. Pff. Nachtr.* i. 259.—Cac-
taceæ–Opuntioideæ.

Kuntzei K. Schum. *Mon.* 753. fig. 107.—Argentina.— $\mathcal{U}$.

PTEROCARYA Kunth.—*N. Pff.* iii. 1. 24.—Juglandaceæ.

fraxinifolia Spach.—DC. xvi. 2. 139; *Schneider, Hdb.*
Laubh. i. 93. fig. 50–51.—Caucasus, Armenia, Western
Persia.— $\mathcal{U}$. March.

PTEROCEPHALUS Vaill.—*N. Pff.* iv. 4. 189.—Dipsacaceæ.

multiflorus Poech. *En. Pl. Ins. Cypr.* 16.—Cyprus.— $\mathcal{U}$.
May–October.

PTEROGYNE *Tul.*—*N. Pff.* iii. 3. 130.—Leguminosæ—Cæsalpinioideæ—Cynometreæ.

nitens *Tul.*—*N. Pff. l. c.*—Brazil.— $\frac{1}{2}$.

† **PTERONIA** *L.*—*N. Pff.* iv. 5. 152.—Compositæ—Astereæ—Solidagininae.

incana *DC.* v. 358; *Fl. Cap.* iii. 100; *B. M.* t. 8380.—S. Africa.— $\frac{1}{2}$. April–May.

PUERARIA *DC.*—*N. Pff.* iii. 3. 370.—Leguminosæ—Papilionatæ—Phaseoleæ—Diocleinae.

hirsuta *Schneider, Hdb. Laubh.* ii. 114.—*Dolichos hirsutus* Thunb. *DC.* ii. 397.—*Pachyrhizus Thunbergianus* S. & Z.—China.— $\frac{1}{2}$ §. September–October.

PULMONARIA *L.*—*N. Pff.* iv. 3a. 117.—Borraginaceæ—Borraginoideæ—Anchuseæ.

saccharata *Mill.*—*DC.* x. 92; *Fl. d'It.* n. 2799 β .—Central and S. Europe.— $\frac{1}{4}$. March–April.

† **PUNICA** *L.*—*N. Pff.* iii. 7. 25.—Punicaceæ.

Granatum *L.*—*DC.* iii. 3; *B. M.* t. 1832; *Fl. d'It.* n. 2194.—Himalaya, Orient.— $\frac{1}{2}$. May–September.

„ var. *nana* *L.*—*DC. l. c.*; *B. M.* t. 634.— $\frac{1}{2}$. May–September.

PUTORIA *Pers.*—*N. Pff.* iv. 4. 133.—Rubiaceæ—Coffeoideæ—Psychotriinae—Anthospermeæ.

calabrica *L. fil.*—*DC.* iv. 577; *Fl. d'It.* n. 3255.—Eastern Mediterranean region.— $\frac{1}{4}$. April–September.

† **PUYA** *Molina.*—*N. Pff.* ii. 4. 53.—Bromeliaceæ—Puyæ.

cærulea *Lindl.* = *Pitcairnia cærulea*.

chilensis *Molina.*—*Bak. Brom.* 126; *B. M.* t. 4715; *Fl. d. S.* t. 869–870.—Chili.— $\frac{1}{2}$.

Pyrethrum *Hall.* = *Chrysanthemum* *L.*

PYROSTEGIA *Presl.*—*N. Pff.* iv. 3b. 223.—Bignoniaceæ—Bignoniæ.

venusta *Miers.*—*Bignonia venusta* *Ker. B. M.* t. 2050; *DC.* ix. 158.—Brazil.— $\frac{1}{2}$ §. March–May.

QUAMOCLIT *Tourn.*—*N. Pff.* iv. 3a. 27.—Convolvulaceæ—Convolvuloideæ—Convolvuleæ—Convolvulinae.

coccinea *Moench.*—*DC.* ix. 335; *B. M.* t. 221.—Tropical America.— $\odot$ §. Summer.

QUAMOCLIT (*continued*).

vulgaris *Choisy*.—*DC.* ix. 336; *B. M.* t. 244.—Tropical America and Asia.—☉ §. Summer.

QUERCUS *L.*—*N. Pff.* iii. 1. 55.—Fagaceæ.

coccifera *L.*—*DC.* xvi. 2. 52; *Fl. d'It.* n. 902.—Mediterranean region.—½. April–May.

glabra *Thunb.*—*DC.* xvi. 2. 82; *Sieb. & Zucc. Fl. Jap.* t. 89.—Japan.—½. April.

***Ilex** *L.*—*DC.* xvi. 2. 38; *Fl. d'It.* n. 904.—Mediterranean region, Syria, Afghanistan, Western Himalaya.—½. April–May.

incana *Roxb.*—*DC.* xvi. 2. 51; *Fl. Brit. Ind.* v. 603.—Temperate Himalaya.—½.

Libani *Oliv.*—*DC.* xvi. 2. 49.—Syria, Asia Minor.—½.

***pubescens** *Willd.*—*N. Pff.* l. c. 57; *Fl. d'It.* n. 899 i.—S. Europe.—½. April–May.

Suber *L.*—*DC.* xvi. 2. 40; *Fl. d'It.* n. 903.—S. Europe, N. Africa.—½. April–May.

‡**QUILLAJA** *Molina.*—*N. Pff.* iii. 3. 16.—Rosaceæ–Spiræoideæ–Quillajææ.

Saponaria *Molina.*—*DC.* ii. 547; *B. M.* t. 7568.—Chili.—½. April–May.

QUISQUALIS *L.*—*N. Pff.* iii. 7. 125.—Combretaceæ.

indica *L.*—*DC.* iii. 23; *B. M.* t. 2033; *Fl. Brit. Ind.* ii. 459.—India, Malaya.—½ §. July–September.

‡**RAMONA** *Greene.*—*Audibertia* Benth.—*N. Pff.* iv. 3a. 287.—Labiatae–Stachyoideæ–Salviææ.

grandiflora *Briquet.*—*N. Pff.* l. c.—*DC.* xii. 359, sub *Audibertia*.—California.—¼. Nearly the whole year.

polystachya *Greene.*—*N. Pff.* l. c.—*DC.* xii. 360, sub *Audibertia*.—California.—¼. June–September.

RANDIA *Houst.*—*N. Pff.* iv. 4. 75.—Rubiaceæ–Cinchonoideæ–Gardeniinae–Gardeniææ.

spec. ?—California.—½.

RANUNCULUS *L.*—*N. Pff.* iii. 2. 64.—Ranunculaceæ–Anemoneæ.

anemonefolius *DC.* i. 37; *Fl. Or.* i. 50.—Asia Minor.—¼. April–May.

canariensis *Hort.* = *cortusæfolius*.

RANUNCULUS (*continued*).

caucasicus Bieb. — *DC.* i. 36.—Caucasus.— $\frac{1}{4}$. April–May.

cortusæfolius Willd.—*DC.* i. 29; *B. M.* t. 4625.—Canaries, Madeira, Azores.— $\frac{1}{4}$. April–May.

millefoliatus Vahl.—*DC.* i. 27; *Fl. d'It.* n. 1596.—S. Italy, Tunis, Eastern Mediterranean region.— $\frac{1}{4}$. April.

serbicus Vis.—*Fl. d'It.* n. 1600 β .—S.E. Europe.— $\frac{1}{4}$. April–May.

velutinus Ten.—*Fl. d'It.* n. 1606.—S. Europe, Asia Minor.— $\frac{1}{4}$. April–May.

RAPANEA Aubl.—*Myrsine* L. *N. Pff.* iv. 1. 92.—Myrsinaceæ–Myrsinoideæ–Myrsineæ.

Urvillei Mez, *Myrs.* (*R. V. C.*), 371.—*Myrsine* Urv. A. DC. *Hdb. Fl. N. Zeald.* 184.—New Zealand.— $\frac{1}{2}$.

† **RAPHIOLEPIS** Lindl.—*N. Pff.* iii. 3. 25.—Rosaceæ–Pomoideæ–Pomariææ.

indica Lindl.—*DC.* ii. 630; *B. M.* t. 1726.—Southern China.— $\frac{1}{2}$. March–April.

„ var. **pheostemon** Lindl. *Bot. Reg.* t. 468.— $\frac{1}{2}$. March–April.

japonica Sieb. & Zucc. *Fl. Jap.* 162. t. 85.—Japan.— $\frac{1}{2}$. May.

ovata Hort. = *japonica*.

REAUMURIA L.—*N. Pff.* iii. 6. 292.—Tamaricaceæ–Tamaricoideæ–Reaumuriææ.

hypericoides Willd.—*DC.* iii. 456; *Boiss. Fl. Or.* i. 761.—Orient, Central Asia.— $\frac{1}{2}$.

† **REEVESIA** Lindl.—*N. Pff.* iii. 6. 92.—Sterculiaceæ–Helicterææ.

thyrsoides Lindl.—*B. M.* t. 4199.—China.— $\frac{1}{2}$. May–June.

REGELIA Schau.—*N. Pff.* iii. 7. 98.—Myrtaceæ–Leptospermoideæ–Leptospermeæ–Calothamninaæ.

ciliata Schau.—*Fl. Austr.* iii. 170.—W. Australia.— $\frac{1}{2}$.

REHMANNIA Libosch.—*N. Pff.* iv. 3b. 88.—Scrophulariaceæ–Rhinanthoideæ–Digitaleæ.

angulata Hemsl. in *Journ. Linn. Soc.* xxvi. 1890, 193; *Gard. Chron.* 1903, i. 290; *The Gard.* 1903, i. 317; *B. M.* t. 8177.—China.— $\frac{1}{4}$. April–May.

REINWARDTIA *Dumort.*—*N. Pff.* iii. 4. 32.—Linaceæ—Eulineæ.
tetragyna *Planch.*—*Fl. Brit. Ind.* i. 412; *Gard. Chron.*
 1894, ii. 721; *B. M. t.* 7136.—India.—½.

trigyna *Planch.*—*Fl. Brit. Ind.* i. 412; *B. M. t.* 1100, as
Linum trigynum *Roxb.*—India.—½. November till spring.

‡ **RESEDA** *L.*—*N. Pff.* iii. 2. 240.—Resedaceæ.

crystallina *Webb & Berth.*—*DC.* xvi. 2. 572.—Canaries.—☉.
 Spring.

odorata *L.*—*DC.* xvi. 2. 565; *B. M. t.* 29.—Cyrenaica.—☉.
 November–May.

Restio tectorum *L. fil.* = *Dovea tectorum.*

RESTREPIA *H. B. K.*—*N. Pff.* ii. 6. 139.—Orchidaceæ—Monan-
 dræ—Pleurothallidinæ.

antennifera *H. B. K.*—*B. M. t.* 6288.—Venezuela, Colombia.
 —¼. April.

RHABDOTHAMNUS *A. Cunn.*—*N. Pff.* iv. 3b. 161.—Gesneri-
 aceæ—Cyrtandroideæ—Coronanthereæ—Coronantherinæ.

Solandri *A. Cunn.*—*Hdb. Fl. N. Zeald.* 221; *Bossche,*
Ic. Sel. v. t. 174; *B. M. t.* 8019.—New Zealand.—¼.

RHAGODIA *R. Br.*—*N. Pff.* iii. 1a. 59.—Chenopodiaceæ—
 Cyclolobeæ—Chenopodieæ.

nutans *R. Br.*—*DC.* xiii. 2. 53; *Fl. Austr.* v. 156.—Queens-
 land, N. S. Wales.—½.

RHAMNUS *L.*—*N. Pff.* iii. 5. 409.—Rhamnaceæ—Rhamneæ.

**Alaternus* *L.*—*DC.* ii. 23; *Fl. d'It.* n. 2425.—Mediterranean
 region.—½. February–March.

californicus *Eschsch.*—*Nich. Dict.* 286; *Schneider, Hdb.*
Laubh. ii. 266.—California, Mexico.—½. May.

chinensis *Hort.* = *chlorophorus* *Decne.*

chlorophorus *Decne.*—*Rondot, Vert de Chine,* 142. t. 2.—
 China.—½.

crenulatus *Ait.*—*DC.* ii. 25; *N. Pff. l.c.* 410.—Teneriffe.—½.

grandifolius *Fisch. & Mey.*—*Ledeb. Fl. Ross.* 504.—Caucasus.
 —½.

latifolius *L'Hér.*—*DC.* ii. 26; *B. M. t.* 2663; *Bossche, Ic.*
Sel. t. 106.—Azores, Canaries.—½.

oleifolius *Hort.* = *latifolius.*

Pallasii *Fisch. & Mey.*—*Ledeb. Fl. Ross.* i. 503; *Schneider,*
Hdb. Laubh. ii. 277.—Caucasus.—½. April–May.

spathulæfolius *Fisch. & Mey.*—*Ledeb. Fl. Ross.* i. 502;
Schneider, Hdb. Laubh. ii. 279.—Caucasus.—½.

RHAPIDOPHYLLUM Wendl. & Drude.—*N. Pff.* ii. 3. 33.—
Palmæ-Coryphinæ-Sabaleæ.

Hystrix Wendl. & Drude.—*N. Pff.* l. c.—*Kunth, En.* iii. 249,
as *Chamærops Hystrix* Fraser.—Florida to S. Carolina.—
½. Spring.

RHAPIS L.—*N. Pff.* ii. 3. 33.—Palmæ-Coryphinæ-Sabaleæ.
flabelliformis Ait.—*Kunth, En.* ii. 251; *Jacq. H. Sch.* iii.
t. 316; *B. M.* t. 1371.—Japan, China.—½. Spring.

RHAZYA Decne.—*N. Pff.* iv. 2. 143.—Apocynaceæ-Plumierioideæ
-Plumiereæ-Alstoniinae.
orientalis A. DC. viii. 386; *Fl. Or.* iv. 47.—Asia Minor.—¼.

‡**RHIPSALIS** Gaertn.—*N. Pff.* iii. 6a. 197.—Cactaceæ-Cereoideæ
-Rhipsalideæ.

alata K. Schum. Mon. 635, *Nachtr.* 144.—Central America.—½.

anceps Web.—K. Schum. Mon. 649.—Brazil.—½.

brachiata Hook. = *Saglionis*.

capilliformis Web.—K. Schum. Mon. 629.—Brazil.—½.

Cassytha Gaertn.—K. Schum. Mon. 621; *B. M.* t. 3080;
Lodd. B. C. t. 865.—Tropical America and Africa.—½.

cavernosa G. A. Lindb.—K. Schum. Mon. 648.—Brazil.—½.

conferta Salm.—K. Schum. Mon. 625.—Brazil.—½.

crispata Pfeiff.—K. Schum. *Nachtr.* 145.—Brazil.—½.

dissimilis K. Schum. Mon. 646.—Brazil.—½.

fasciculata Haw.—DC. iii. 476; *B. M.* t. 3079.—Tropical
America.—½.

gibberula Web.—K. Schum. Mon. 643.—Brazil.—½.

gracilis N. E. Br. in *Gard. Chron.* 1903, i. 18.—*R. penduliflora*
K. Schum. Mon. 628.—Brazil.—½.

grandiflora Haw.—K. Schum. Mon. 624; *B. M.* t. 2740.—
Brazil.—½.

Houlletiana Lem.—K. Schum. Mon. 639; *B. M.* t. 6089.—
Brazil.—½.

lumbricoides Lem.—K. Schum. Mon. 632; *B. M.* t. 5136, as
M. sarmentacea Otto & Dietr.—S. Brazil, Uruguay.—½.

mesembrianthemoides Haw.—K. Schum. Mon. 630; *B. M.*
t. 3078.—Brazil.—½.

myosurus K. Schum. Mon. 648; *B. M.* t. 3755.—Brazil.—½.

pachyptera Pfeiff.—K. Schum. Mon. 636.—*B. M.* t. 2820.—
Brazil.—½.

paradoxa Salm.—K. Schum. Mon. 646.—Brazil.—½.

RHIPSALIS (*continued*).

penduliflora *N. E. Br.* in *Gard. Chron.* 1877, i. 716 (not of *K. Schum.*!).—Brazil?— $\frac{1}{2}$.

pentaptera *Pfeiff.*—*K. Schum. Mon.* 631; *Pfeiff. & Otto. Abb. & Beschr.* i. t. 17.—S. Brazil, Uruguay, Argentina.— $\frac{1}{2}$. January–March.

puniceo-discus *G. A. Lindb.*—*K. Schum. Mon.* 647.—Brazil.— $\frac{1}{2}$.

ramulosa *Pfeiff.*—*K. Schum. Mon.* 635.—Costa Rica.— $\frac{1}{2}$.

Regnellii *G. A. Lindb.*—*K. Schum. Mon.* 639.—Brazil.— $\frac{1}{2}$.

rhombea *Pfeiff.*—*K. Schum. Mon.* 638.—Brazil.— $\frac{1}{2}$.

Saglionis *Len.*—*K. Schum. Mon.* 627.—*R. brachiata* *Hook. B. M.* t. 4039.—Uruguay.— $\frac{1}{2}$ January–March.

sulcata *Web.*—*K. Schum. Mon.* 631, as *R. micrantha*, *Nachtr.* 140.—Tropical America?— $\frac{1}{2}$. January–March.

Swartziana *Pfeiff.* = *alata*.

tetragona *Web.*—*K. Schum. Mon.* 628.—Brazil.— $\frac{1}{2}$.

trigona *Pfeiff.*—*K. Schum. Mon.* 632.—Brazil.— $\frac{1}{2}$.

tucumanensis *Web.*—*K. Schum. Mon.* 645.—Argentina.— $\frac{1}{2}$.

virgata *Web.*—*K. Schum. Mon.* 620.—Brazil.— $\frac{1}{2}$.

Warmingiana *K. Schum. Mon.* 641.—Brazil.— $\frac{1}{2}$.

Wercklei *Berger, Monatsschrift f. K.* 1906, 64.—Costa Rica.— $\frac{1}{2}$.

RHODEA *Roth.*—*N. Pff.* ii. 5. 82.—Liliaceæ–Asparagoideæ–Convallariæ–Aspidistrinæ.

japonica *Roth & Kunth.*—*Kunth, En.* v. 321; *B. M.* t. 898, as *Orontium jap.*—Japan.— $\frac{1}{2}$.

RHODOCHITON *Zucc.*—*N. Pff.* iv. 3b. 61.—Scrophulariaceæ–Antirrhinoideæ–Antirrhineæ.

volubile *Zucc.*—*DC.* x. 298; *B. M.* t. 3367.—Mexico.— $\frac{1}{2}$ §.

†**RHODODENDRON** *L.*—*N. Pff.* iv. 1. 35.—Ericaceæ–Rhododendroideæ–Rhododendreæ.

indicum *Sweet.*—*DC.* vii. 726; *Schneider, Hdb. Laubh.* ii. 506.—*Azalea indica* *L.*—China.— $\frac{1}{2}$. April–May.

„ var. **amœnum** *Paxt.*—*B. M.* t. 4728.—China.— $\frac{1}{2}$. April–May.

RHODOSPHERA *Engl.*—*N. Pff.* iii. 5. 162.—Anacardiaceæ–Rhoideæ.

rhodanthema *Engl.*—*N. Pff. l. c.*—*Fl. Austr.* i. 489, as *Rhus rhod.*—Queensland, N. S. Wales.— $\frac{1}{2}$.

RHODOSTACHYS *Phil.*—*N. Pff.* ii. 4. 45.—Bromeliaceæ—Bromeliææ.

pitcairniæfolia *Benth.*—*Bak. Brom.* 28; *B. M.* t. 8087.—Chili.— $\frac{1}{2}$.

RHODOTYPUS *Sieb. & Zucc.*—*N. Pff.* iii. 3. 28.—Rosaceæ—Rosoidæ—Kerrieæ.

kerrioides *Sieb. & Zucc. Fl. Jap.* 99; *B. M.* t. 5805.—Japan.— $\frac{1}{2}$. April–May.

‡**RHUS** *L.*—*N. Pff.* iii. 5. 167.—Anacardiaceæ—Rhoideæ.

aromatica *Ait.*—*DC.* ii. 73; *Schneider, Hdb. Laubh.* ii. 148.—*N. America.*— $\frac{1}{2}$.

Coriaria *L.*—*DC.* ii. 67; *Fl. d'It.* n. 2459.—Mediterranean region.— $\frac{1}{2}$.

Cotinus *L.* = *Cotinus Coggyria* *Scop.*

excisa *Thunb.* var. *pallens* *Sonder, Fl. Cap.* i. 519.—Cape.— $\frac{1}{2}$. March.

glauca *Thunb.*—*DC.* ii. 69; *Fl. Cap.* i. 516.—Cape.— $\frac{1}{2}$.

insignis *Hook. fil. Fl. Brit. Ind.* ii. 11.—Sikkim Himalaya.— $\frac{1}{2}$.

integrifolia *Benth. & Hook.*—California.— $\frac{1}{2}$. December–April.

lancea *L. fil.*—*DC.* ii. 70; *Fl. Cap.* i. 514.—*R. viminalis* *Jacq. H. Sch.* iii. t. 344 (non *Vahl!*).—Cape.— $\frac{1}{2}$. December.

lucida *L.*—*DC.* ii. 69; *Fl. Cap.* i. 517; *Jacq. H. Sch.* t. 347.—Cape.— $\frac{1}{2}$. February–March.

oxyacantha *Schousb.*—*DC.* ii. 71; *Fl. d'It.* n. 2460.—Western Mediterranean region, Sicily, Syria.— $\frac{1}{2}$. October.

radicans *L.*—*DC.* ii. 69; *Schneider, Hdb. Laubh.* ii. 150.—*N. America.*— $\frac{1}{2}$ §.

rhodanthema *F. M.* = *Rhodosphæra rhodanthema* *Engl.*

semialata *Murr.*—*DC.* ii. 67; *Fl. Brit. Ind.* ii. 10; *Brand. For. Fl.* 119, *Ind. Trees* 197; *Wight, Ic.* t. 561.—Temperate Himalaya.— $\frac{1}{2}$.

sylvestris *Sieb. & Zucc.*—*N. Pff.* l. c. 170; *Schneider, Hdb. Laubh.* ii. 151.—Japan.— $\frac{1}{2}$.

tomentosa *L.*—*DC.* ii. 72; *Fl. Cap.* i. 508; *Bossche, Ic. Sel.* iii. t. 111.—S. Africa.— $\frac{1}{2}$. April–June.

trifoliata *Hort. Mort.* = *excisa* var. *pallens*.

venenata *DC.* ii. 68; *Dill. Hort. Elth.* t. 292.—*N. America.*— $\frac{1}{2}$.

RHUS (*continued*).

vernicifera DC. ii. 68; *The Garden*, 1898, ii. 507.—Japan.

— $\frac{1}{2}$. May.

viminalis Jacq. = *lancea*.

RHYNCHOSIA *Lour.*—*N. Pff.* iii. 3. 373.—Leguminosæ—Papilionatæ—Phaseoleæ—Cajaninæ.

phaseoloides DC. ii. 385; *B. M.* t. 2284; *Fl. W. Ind.* 190.

—W. Indies, Central and S. America.— $\frac{1}{2}$ §. April–September.

Rhynchospermum jasminoides Lindl. = *Trachelospermum jasminoides*.

RIBES *L.*—*N. Pff.* iii. 2a. 88.—Saxifragaceæ—Ribesioideæ.

aureum Pursh.—DC. iii. 483; *Schneider, Hdb. Laubh.* i. 416.—N. America.— $\frac{1}{2}$.

longeracemosum Franch.—*Schneider, Hdb. Laubh.* i. 400.—China (*Wilson*, n. 898).— $\frac{1}{2}$.

„ var. **Davidii** Jancz.—*Schneider, l. c.*—China (*Wilson*, n. 280).— $\frac{1}{2}$.

luridum Hook. fil. & Thoms.—*Fl. Brit. Ind.* ii. 410.—Himalaya, China (*Wilson*, n. 100).— $\frac{1}{2}$.

nigrum *L.*—DC. iii. 481; *Fl. d'It.* n. 1691.—N. Europe, N. Asia.— $\frac{1}{2}$.

saxatile Pall.—DC. iii. 479.—Siberia.— $\frac{1}{2}$. March.

RICHARDIA *Kunth.*—*N. Pff.* ii. 3. 136, sub *Zantedeschia*.—Araceæ—Philodendroideæ—Zantedeschieæ.

africana *Kunth, En.* iii. 58; *Fl. Cap.* vii. 38.—*Calla æthiopica* *L. B. M.* t. 832.—S. Africa.— $\frac{1}{4}$. October–June.

albomaculata Hook. *B. M.* t. 5140; *Fl. Cap.* vii. 37; *Fl. d. S. t.* 1343.—S. Africa.— $\frac{1}{4}$.

Elliotiana *W. Wats.*—*Fl. Trop. Afr.* viii. 167; *B. M.* t. 7577.—Transvaal?— $\frac{1}{4}$.

RICINUS *L.*—*N. Pff.* iii. 5. 70.—Euphorbiaceæ—Ricininæ.

communis *L.*—DC. xv. 2. 1017; *B. M.* t. 2209; *Fl. d'It.* n. 2625.—Tropics.— $\frac{1}{2}$. Summer.

„ var. **inermis** Jacq.—DC. xv. 2. 1018.—Java.— $\frac{1}{2}$. Summer.

„ var. **zanzibarensis** Hort.—*Nich. Dict. Suppl.* 640.—E. Tropical Africa.— $\frac{1}{2}$. Summer.

ROBINIA *L.*—*N. Pff.* iii. 3. 274.—Leguminosæ—Papilionatæ—Robiniinæ.

Pseud-acacia *L.*—*DC.* ii. 261; *Fl. d'It.* n. 2092.—Eastern United States.— $\frac{1}{2}$. April.

ROCHEA *DC.*—*N. Pff.* iii. 2a. 38.—Crassulaceæ.

coccinea *DC.* *Pl. Gr.* t. 1, *Prodr.* iii. 394; *Fl. Cap.* ii. 368; *B. M.* t. 495.—Cape.— $\frac{1}{4}$.

Rogiera latifolia *Decne.* = *Rondeletia amœna*.

ROMNEYA *Harv.*—*N. Pff.* iii. 2. 139.—Papaveraceæ—Papaveroidæ—Eschscholtzieæ.

Coulteri *Harv.*—*Gard. Chron.* 1899, i. 208, 1900, i. 131; *Fedde, Papav.* (*R. V. C.*), 132.—California.— $\frac{1}{4}$ $\frac{1}{2}$. May–July.

RONDELETIA *Plum.*—*N. Pff.* iv. 4. 33.—Rubiaceæ—Cinchonoideæ—Rondeletieæ.

amœna *Hemsl.*—*Ind. Kew.* iv. 729.—*R. versicolor* *J. Sm.* in *B. M.* t. 4579.—Central America.— $\frac{1}{2}$. May–June.

†**ROSA** *L.*—*N. Pff.* iii. 3. 46.—Rosaceæ—Rosoideæ—Roseæ.

***Allionii** *Burnat.*—*Bicknell, Fl. Bord. & S. Remo.* 94.—Liguria.— $\frac{1}{2}$. April–May.

alpina *L.*—*DC.* ii. 611; *B. M.* t. 6724; *Fl. d'It.* n. 1837.—Central Europe.— $\frac{1}{2}$. April–May.

Banksiæ *R. Br. fl. luteo.*—*B. M.* t. 7171; *Gard. Chron.* 1902, i. 439. fig. 171–172.—China.— $\frac{1}{2}$ §. April.

„ **var. fl. pl. luteo.**—*Lodd. Bot. Cat.* t. 1960; *Red. & Thor. Les Roses*, i. t. 9.— $\frac{1}{2}$ §. April.

„ **var. fl. pl. albo.**—*B. M.* t. 1954; *DC.* ii. 601; *Red. & Thor. Les Roses*, i. t. 10.— $\frac{1}{2}$ §. April.

Beggeriana *Schrenk.*—*Ledeb. Fl. Ross.* ii. 82; *Christ, Rosæ Orient.* 11.—Turkestan.— $\frac{1}{2}$. June.

berberifolia *Pall.*—*DC.* ii. 602; *B. M.* t. 7096.—Persia, Turkestan.— $\frac{1}{2}$.

blanda *Ait.*—*DC.* ii. 606; *Schneider, Hdb. Laubh.* i. 577.—*R. alpina lævis* *Red. & Thor.* i. t. 41.—N. America.— $\frac{1}{2}$. May.

Bourbonia *Roessig.*—*Kew Hand-list of Trees and Shrubs*, 273.—*R. canina burboniana* *Red. & Thor. Les Roses*, iii. t. 131; *DC.* ii. 613.—(*R. indica* $\times$ *gallica*).—Garden origin.— $\frac{1}{2}$. November–May.

ROSA (*continued*).

bracteata Wendl.—*DC.* ii. 602; *B. M.* t. 1377; *Red. & Thor. Les Roses*, iii. t. 153; *Schneider, Hdb. Laubh.* i. 586.
—China.— $\frac{1}{2}$ §. June–July.

californica Cham. & Schlecht.—*Schneider, Hdb. Laubh.* i. 574.—California.— $\frac{1}{2}$.

***canina** *L.* var. **dumalis** Bechst.—*Fl. d'It.* n. 1818 γ .—S. Europe.— $\frac{1}{2}$. April–May.

carolina *L.*—*DC.* ii. 605; *Schneider, Hdb. Laubh.* i. 568.—Carolina, Virginia.— $\frac{1}{2}$.

damascena *Mill. Dict.* n. 15; *DC.* ii. 620; *Schneider, Hdb. Laubh.* i. 549.—Hybrid (probably *R. gallica* $\times$ *canina* or *R. gallica* $\times$ *moschata*).— $\frac{1}{2}$. May–June.

„ var. **conditorum** Dieck.— $\frac{1}{2}$.

„ var. **tringitipetala** Dieck.—*Schneider, Hdb. Laubh.* i. 550.—Bulgaria, Orient.— $\frac{1}{2}$. May–June.

Fendleri Crép.—*Schneider, Hdb. Laubh.* i. 577.—California.— $\frac{1}{2}$. May.

ferox *M. B.*—*Boiss. Fl. Or.* ii. 687; *Schneider, Hdb. Laubh.* i. 560.—Asia Minor.— $\frac{1}{2}$.

foliolosa $\times$ **rugosa**.—*Frut. Vilm.* 91.—Garden origin.— $\frac{1}{2}$. May.

Fortuniana Lindl. & Paxt.—*Nich. Dict.* 320; *Schneider, Hdb. Laubh.* i. 547.—(*R. Banksiae* $\times$ *laevigata*).—“Epinouse de la Chine.”—China.— $\frac{1}{2}$ §. March–May. (fl. pl.)

gallica *L.*—*DC.* ii. 603; *Fl. d'It.* n. 1817; *Schneider, Hdb. Laubh.* i. 547.—Central and S. Europe, Asia Minor, Armenia.— $\frac{1}{2}$. May–June.

„ var. **centifolia** Crép.—*R. centif.* *L. DC.* ii. 619; *Red. & Thor.* ii. t. 61–72.—Eastern Caucasus?— $\frac{1}{2}$. May–June.

„ var. **muscosa** Ser.—*R. musc.* *Ait. DC.* ii. 619; *B. M.* t. 69; *Red. & Thor.* ii. t. 73–76.—Origin unknown.— $\frac{1}{2}$. May–June.

gigantea Crép.—*Journ. Linn. Soc.* xxviii. 1891, t. 9; *Gard. Chron.* 1903, i. 188 & 211; *B. M.* t. 7972.—Burma, Yunnan.— $\frac{1}{2}$ §. May–June.

hispida Sims in *B. M.* t. 1570.—*R. Eglanteria luteola* Red. & Thor. iii. t. 124; *DC.* ii. 607.—Siberia?—April–May.

indica *L.*—*DC.* ii. 600; *Gard. Chron.* 1902, i. 438.—*R. chinensis* Jacq. *Schneider, Hdb. Laubh.* i. 546.—China.— $\frac{1}{2}$.

ROSA (*continued*).

- indica** var. **fragrans** *Red. & Thor. Les Roses*, iii. t. 173; *DC.* ii. 600.—*R. indica odoratissima* Lindl.—China.— $\frac{1}{2}$. October–May. (“Tea Roses.”)
- „ var. **major** *Red. & Thor.* iii. t. 181.—Garden origin.— $\frac{1}{2}$. May–June. (fl. pl.)
- „ var. **minima** *Curt. in B. M.* t. 1762.— $\frac{1}{2}$. May–June. (fl. pl.)
- „ var. **semperflorens** *Ser.—DC.* ii. 601; *B. M.* t. 284; *Smith, Ex. Bot.* t. 91.—*R. bengalensis* Pers.— $\frac{1}{2}$. October–June.
- „ var. **semperflorens simplex** *Hort. Dieck.* — $\frac{1}{2}$. October–June.
- „ var. **viridiflora** *Hort.—Schneider, Hdb. Laubh.* i. 546.—Garden origin.— $\frac{1}{2}$. November–June.
- lævigata** *Michx.—DC.* ii. 600.—*R. sinica* Murr. *B. M.* t. 2847.—China.— $\frac{1}{2}$ §. April.
- „ var. “**Anemone**.”—*Kew Hand-list of Trees and Shrubs*, 285.—Garden origin.— $\frac{1}{2}$ §. April–May.
- Leschenaultiana* *Hort. Mort. (non Red. !)* = *moschata*.
- lucida** *Ehrh.—DC.* ii. 602; *Red. & Thor.* i. t. 35; *The Garden*, 1899, i. 428.—N. America.— $\frac{1}{2}$. May.
- „ var. **alba** *Frut. Vilm.* 91.— $\frac{1}{2}$. May.
- lutea** *Mill. Dict.* n. 4; *Fl. d'It.* n. 1839.—*R. Eglanteria* L. *DC.* ii. 607; *Red. & Thor.* iii. t. 122.—Orient.
- „ var. **fl. pl.**—*The Garden*, 1898, i. 22.— $\frac{1}{2}$. April–May. (“Persian Yellow.”)
- „ var. **bicolor** *Sims in B. M.* t. 1077.—*R. punicea* Mill. *Dict.* n. 12.; *DC.* ii. 607.— $\frac{1}{2}$. April–May.
- Lyelli** *Lindl.—Schneider, Hdb. Laubh.* i. 544.—China, India? — $\frac{1}{2}$ §. May.
- microphylla** *Roxb.—DC.* ii. 602; *B. M.* t. 3490 and 6548; *Schneider, Hdb. Laubh.* i. 588.—China.— $\frac{1}{2}$. May–June. (Double fl. form only.)
- moschata** *Herrm.—DC.* ii. 598; *Red. & Thor.* i. t. 18; *Jacq. H. Sch.* iii. t. 280; *Fl. Brit. Ind.* ii. 365; *Fl. d'It.* n. 1813.—Himalaya.— $\frac{1}{2}$ §. May.
- multiflora** *Thunb.—DC.* ii. 589; *B. M.* t. 7119.—*R. polyantha* Sieb. & Zucc.—Japan, China.— $\frac{1}{2}$ §. May.
- „ hybr. “**Aglaia**,” *The Garden*, 1903, i. 73.— $\frac{1}{2}$. May.

ROSA

- multiflora** hybr. "**Crimson Rambler**," *Nich. Dict. Suppl.* 647; *The Garden*, 1905, ii. 415.—Japan.— $\frac{1}{2}$ §. May–June.
- „ hybr. "**Leuchtstern**," *The Garden*, 1901, ii. 27.— $\frac{1}{2}$ §. May–June.
- „ var. **nana** Hort.— $\frac{1}{2}$. May.
- „ var. **Thunbergiana** Red. & Thor. i. t. 4. 2.— $\frac{1}{2}$ §. May.
- Noisettiana** Red. & Thor. i. t. 5; *Schneider, Hdb. Laubh.* i. 543. (= *R. moschata* $\times$ *indica*).—Garden origin.— $\frac{1}{2}$. May.
- nutkana** Presl.—*Schneider, Hdb. Laubh.* i. 576.—N. America.— $\frac{1}{2}$. April–May.
- oxyodon** Boiss. *Fl. Or.* ii. 674.—Caucasus.— $\frac{1}{2}$. May–June.
- phœnicia** Boiss. *Fl. Or.* ii. 688; *Schneider, Hdb. Laubh.* i. 542.—Syria, Asia Minor.— $\frac{1}{2}$ §. May.
- ***rubiginosa** L.—*DC.* ii. 615; *Fl. d'It.* n. 1829.—Central and S. Europe.— $\frac{1}{2}$. May.
- rugosa** Thunb.—*DC.* ii. 607; *Sieb. & Zucc. Fl. Jap.* t. 28; *The Garden*, 1899, t. 434.—Japan.— $\frac{1}{2}$. May.
- „ fl. **pleno**.— $\frac{1}{2}$. May.
- ***sempervirens** L.—*DC.* ii. 597; *Bicknell, Fl. Riv.* t. 25; *Fl. d'It.* n. 1814.—Mediterranean region.— $\frac{1}{2}$ §. May–June.
- sempervirens** $\times$ **moschata** (?) fl. pl.— $\frac{1}{2}$ §. May.
- sericea** Lindl.—*Fl. Brit. Ind.* ii. 367; *B. M.* t. 5200.—Himalaya.— $\frac{1}{2}$.
- sicula** Tratt.—*Fl. d'It.* n. 1831; *Schneider, Hdb. Laubh.* i. 557–560.—*R. Seraphini* Hook. fl. *B. M.* t. 7761.—S. Europe, N. Africa.— $\frac{1}{2}$. May.
- sinica* Lindl. = *lævigata*.
- Soulieana** Crép.—*Frut. Vilm.* 85; *B. M.* t. 8158.—Western China.— $\frac{1}{2}$. May.
- spinosissima** L.—*Schneider, Hdb. Laubh.* i. 583.—*R. pimpinellifolia* L. *DC.* ii. 608; *Fl. d'It.* n. 1838.—Europe, N. Asia.— $\frac{1}{2}$. April–May.
- Watsoniana** Crép. in *Rev. Hort. Belg.* 1888, 183; *Schneider, Hdb. Laubh.* i. 541.—Japan.— $\frac{1}{2}$ §. April–June.
- Wichuraiana** Crép.—*Gard. Chron.* 1897, ii. 99. fig. 28; *Schneider, Hdb. Laubh.* i. 540.—*R. Luciae* Franch. & Rochebr. *B. M.* t. 7421.—Japan, China.— $\frac{1}{2}$ §. May–June.
- xanthina** Lindl.—*Nich. Dict. Suppl.* 645; *B. M.* t. 7666.—China.— $\frac{1}{2}$. April–May.

- † **ROSMARINUS** *L.*—*N. Pff.* iv. 3a. 216.—Labiatae—Ajugoideae—Rosmarineae.
 ***officinalis** *L.*—*DC.* xii. 360; *Fl. d'It.* n. 3086.—Mediterranean region.—½. October–May.
 „ var. **humilis** *Ten.* (= *v. rupestris* Pasq.).—*Fl. d'It.* l. c.—½. October–May.
- † **ROUPALA** *Aubl.*—*N. Pff.* iii. 1. 147.—Proteaceae—Grevilloideae—Grevilleae.
Pohlii *Meissn.*—*DC.* xiv. 432; *B. M.* t. 6095.—Brazil (Minas Geraes).—½.
- † **ROYENA** *L.*—*N. Pff.* iv. 1. 158.—Ebenaceae.
lucida *L.*—*DC.* viii. 211; *N. Pff.* l. c. 157. fig. 84; *Bossche, Ic. Sel.* t. 48.—S. Africa.—½. April–June.
pubescens *Willd.*—*DC.* viii. 213.—S. Africa.—½. August–September.
- RUBIA** *L.*—*N. Pff.* iv. 4. 153.—Rubiaceae—Coffeoidae—Psychotriinae—Galieae.
 ***peregrina** *L.*—*DC.* iv. 589; *Fl. d'It.* n. 3256.—S. Europe, Orient.—¼. April–June.
tinctorum *L.*—*DC.* iv. 589; *Fl. d'It.* n. 3257.—S. Europe to India.—¼.
- RUBUS** *L.*—*N. Pff.* iii. 3. 28.—Rosaceae—Rosoideae—Potentilleae—Rubinae.
amabilis *Focke* in *Engl. Bot. Jahrb.* xxxvi. Beibl. lxxxii. 53.—China (*Wilson*, n. 830).—½.
australis *Forst.*—*DC.* ii. 536; *Hdb. Fl. N. Zeald.* 54.—New Zealand.—½.
biflorus *Buch.-Ham.*—*Fl. Brit. Ind.* ii. 338; *Schneider, Hdb. Laubh.* i. 513.—Himalaya to Central China (*Wilson*, n. 832).—½.
chroosepalus *Focke* in *Hook. Ic. Pl.* xx. 1891, t. 1952.—China (*Wilson*, n. 79).—½.
clemens (*Wilson*, n. 871).—China.—½.
corchorifolius *L. fil.*—*DC.* ii. 567; *Journ. Linn. Soc.* xxiii. 230.—Japan, China (*Wilson*, n. 15).—½.
coreanus *Miq.*—*Schneider, Hdb. Laubh.* i. 514.—Korea, China (*Wilson*, n. 152).—½.
deliciosus *Torr.*—*B. M.* t. 6062; *Schneider, Hdb. Laubh.* i. 504.—Rocky Mountains.—½. May.
ellipticus *Smith.*—*DC.* ii. 563; *Fl. Brit. Ind.* ii. 336; *Wight, Ic.* t. 230.—Himalaya.—½. April–June.

RUBUS (*continued*).

flosculosus Focke in *Hook. Ic. Pl.* xx. 1891, sub t. 1952.—China (*Wilson*, n. 145).— $\frac{1}{2}$.

Henryi Hemsl. & Kuntze in *Journ. Linn. Soc.* xxiii. 231.—Central China (*Wilson*, n. 48).— $\frac{1}{2}$.

ichangensis Hemsl. & Kuntze in *Journ. Linn. Soc.* xxiii. 231.—Central China (*Wilson*, n. 663, n. 1052).— $\frac{1}{2}$.

inopertus Focke in *Engl. Bot. Jahrb.* xxix. 1900, 400; *Schneider, Hdb. Laubh.* i. 514.—China (*Wilson*, n. 97, n. 946).— $\frac{1}{2}$.

irenæus Focke in *Engl. Bot. Jahrb.* xxix. 394; *Schneider, Hdb. Laubh.* i. 504.—China (*Wilson*, n. 141).— $\frac{1}{2}$.

Kuntzeanus Hemsl. in *Journ. Linn. Soc.* xxiii. 232.—Central China (*Wilson*, n. 92).— $\frac{1}{2}$.

Lambertianus Ser.—*DC.* ii. 567; *Journ. Linn. Soc.* xxiii. 233.—China (*Wilson*, n. 482).— $\frac{1}{2}$.

lasiosstylus Focke in *Hook. Ic. Pl.* xx. 1891, t. 1951; *B. M.* t. 7426.—China (*Wilson*, n. 279).— $\frac{1}{2}$. May–June.

leucodermis Dougl.—*Nich. Dict. Suppl.* 649; *Schneider, Hdb. Laubh.* i. 511.—Oregon, California.— $\frac{1}{2}$.

macilentus Jacquem.—*Fl. Brit. Ind.* ii. 336.—Himalaya, China (*Wilson*, n. 850).— $\frac{1}{2}$.

mesogæus Focke in *Engl. Bot. Jahrb.* xxix. 399.—China (*Wilson*, n. 52a, n. 71).— $\frac{1}{2}$.

moluccanus L.—*DC.* ii. 566; *Fl. Brit. Ind.* ii. 330; *Wight, Ic.* t. 225.—Himalaya.— $\frac{1}{2}$.

Parkeri Hance in *Journ. Bot.* 1882, 260; *Journ. Linn. Soc.* xxiii. 235.—China (*Wilson*, n. 44).— $\frac{1}{2}$.

pileatus Focke in *Hook. Ic. Pl.* xx. 1891, sub t. 1952.—China (*Wilson*, n. 838).— $\frac{1}{2}$.

Playfairianus Hemsl. in *Journ. Linn. Soc.* xxiii. 235.—China (*Wilson*, n. 4).— $\frac{1}{2}$.

rosæfolius Smith.—*DC.* ii. 556; *Fl. Brit. Ind.* ii. 341; *B. M.* t. 1733 and 6970.—India, China, Java.— $\frac{1}{2}$. April–May.

thibetanus Franch. *N. Arch. Mus. Paris. Sér.* ii. vol. viii. 1885–6, 221.—Tibet, China (*Wilson*, n. 804).— $\frac{1}{2}$.

Thunbergii Sieb. & Zucc.—*Journ. Linn. Soc.* xxiii. 238.—Japan, China (*Wilson*, n. 2).— $\frac{1}{2}$. April.

trianthus (*Wilson*, n. 78).—China.— $\frac{1}{2}$.

tricolor (*Wilson*, n. 828).—China.— $\frac{1}{2}$.

trullisatus (*Wilson*, n. 57).—China.— $\frac{1}{2}$.

vicarius (*Wilson*, n. 948).—China.— $\frac{1}{2}$.

RUELLIA *L.*—*N. Pff.* iv. 3b. 308.—Acanthaceæ—Acanthoideæ—Contortæ—Ruelliæ.

formosa *Andr.*—*B. M.* t. 1400; *DC.* xi. 215.—Brazil.— γ .

tuberosa *L.*—*N. Pff.* l. c. 309.—*Cryphiacanthus barbadensis* Nees *DC.* xi. 197.—Texas to S. America, W. Indies.— γ .

†**RULINGIA** *R. Br.*—*N. Pff.* iii. 6. 83.—Sterculiaceæ—Büttneriæ—Büttnerinæ.

corylifolia *Grah.* in *B. M.* t. 3182; *Fl. Austr.* i. 239.—Western Australia.— γ . May–June.

RUMEX *L.*—*N. Pff.* iii. 1a. 17.—Polygonaceæ—Rumicoideæ—Rumicææ.

hymenosepalus *Torr.*—*Rept. Miss. Bot. G.* 1892, 80. t. 18; *B. M.* t. 7433.—Western N. America.— γ . June.

Lunaria *L.*—*DC.* xiv. 73; *Fl. d'It.* n. 994.—Canaries, spontaneous in Southern Italy.— γ . April–June.

RUPRECHTIA *C. A. Mey.*—*N. Pff.* iii. 1a. 35.—Polygonaceæ—Coccoloboideæ—Triplariææ.

excelsa *Griseb.*—*Ind. Kew.*—Argentina.— γ . October.

RUSCUS *L.*—*N. Pff.* ii. 5. 78.—Liliaceæ—Asparagoideæ—Asparageæ.

aculeatus *L.*—*Kunth, En.* v. 274; *Fl. d'It.* n. 740.—Western Europe, Mediterranean region.— γ . April.

androgynus *L.* = *Semele androgyna*.

Hypoglossum *L.*—*Kunth, En.* v. 275; *Fl. d'It.* n. 741 β .—S. Europe.— γ . December–April.

Hypophyllum *L.*—*Kunth, En.* v. 275; *B. M.* t. 2049; *Fl. d'It.* n. 741.—Mediterranean region, Madeira.— γ . December–April.

racemosus *L.* = *Danæ racemosa*.

RUSSELIA *Jacq.*—*N. Pff.* iv. 3b. 63.—Scrophulariaceæ—Antirrhinoideæ—Cheloneæ.

coccinea *Wettst.*—*N. Pff.* l. c.; *Bossche, Ic. Sel.* t. 109.—*R. sarmentosa* *Jacq.* *DC.* x. 332.—*R. multiflora* *Sims* *B. M.* t. 1528.—Central Mexico.— γ .

junceæ *Zucc.*—*DC.* x. 332.—Mexico.— γ . September–June.

UTA *L.*—*N. Pff.* iii. 4. 129.—Rutaceæ—Rutoideæ—Ruteæ—Rutinæ.

**chalepensis* *L.*—*Fl. d'It.* n. 2524.—Mediterranean region.— γ . April–June.

Ruta (*continued*).

***chalepensis** var. **bracteosa** DC. i. 710; *Fl. d'It.* n. 2524.—*R. macrophylla* Sol. B. M. t. 2018; DC. i. 710.—Mediterranean region.— $\mathcal{U}$. April–June.

graveolens L.—DC. i. 710; *Fl. d'It.* n. 2527.—S. Europe, Orient.— $\mathcal{U}$. April–June.

„ var. **crithmifolia** Moric.—DC. i. 710; *Fl. d'It.* n. 2527c.— $\mathcal{U}$. April–June.

„ var. **divaricata** Ten.—DC. i. 710; *Fl. d'It.* n. 2527b.— $\mathcal{U}$. April–June.

montana Mill.—DC. i. 710; *Fl. d'It.* n. 2526.—Mediterranean region, Orient.— $\mathcal{U}$. April–August.

‡**SABAL** Adans.—N. Pff. ii. 3. 37.—Palmae–Coryphinae–Sabaleae.

Adansonii Guerns.—Kunth, *En.* iii. 246; B. M. t. 1435.—Florida, N. Carolina.— $\mathcal{U}$. July–August.

Blackburnianum Glazebro.—Index Kew.—W. Indies.— $\mathcal{U}$. July–August.

umbraculiferum Mart.—Kunth, *En.* iii. 245; *Fl. W. Ind.* 514.—W. Indies.— $\mathcal{U}$.

‡**SACCHARUM** L.—N. Pff. ii. 2. 23.—Gramineae–Andropogoneae.

officinarum L.—Kunth, *En.* i. 474; *Fl. W. Ind.* 561.—India, Tropics.— $\mathcal{U}$.

SAGITTARIA L.—N. Pff. ii. 1. 231.—Alismaceae.

montevidensis Cham. & Schlecht.—Kunth, *En.* iii. 157; B. M. t. 6755.—S. Brazil, Uruguay.— $\mathcal{U}$. June–November.

SAINTPAULIA Wendl.—N. Pff. iv. 3b. 185.—Gesneriaceae–Cyrtandroideae–Ramondieae.

ionantha Wendl.—B. M. t. 7408.—Usambara.— $\mathcal{U}$. Winter.

‡**SALIX** L.—N. Pff. iii. 1. 36.—Salicaceae.

babylonica L.—DC. xvi. 2. 212; Brandis, *For. Fl.* t. 59; *Fl. d'It.* n. 867.—Persia, Western Asia.— $\mathcal{U}$. March–April.

‡**SALVIA** L.—N. Pff. iv. 3a. 270.—Labiatae–Stachyoideae–Salviae.

albo-cærulea Galeotti.—*Fl. d. S.* t. 1340.—Mexico.— $\mathcal{U}$. February–May.

amarissima Ort.—DC. xii. 317; Jacq. H. Sch. t. 255.—Mexico.— $\mathcal{U}$. February–May.

angustifolia Cav.—DC. xii. 301.—Mexico.— $\mathcal{U}$. October–December.

SALVIA (*continued*).

argentea *L.*—*DC.* xii. 284; *Jacq. H. Sch.* t. 6; *Fl. d'It.* n. 3171.—Mediterranean region.—⊕. May.

aurea *L.*—*DC.* xii. 273; *B. M.* t. 182.—S. Africa.—½. April–May.

azurea *Lam.*—*DC.* xii. 302; *B. M.* t. 1728.—Southern Atlantic United States.—¼.

bicolor *Desf.*—*DC.* xii. 288.—*S. dichroa* *Hook. fil.* in *B. M.* t. 6004.—Morocco, Algeria.—¼.

cacaliæfolia *Benth.*—*DC.* xii. 348; *B. M.* t. 5274.—Mexico, Peru.—¼. January–May.

canariensis *L.*—*DC.* xii. 275; *Fl. d'It.* n. 3167.—Canaries, subspontaneous in Sicily.—½. May–June.

candelabrum *Boiss.*—*DC.* xii. 263; *B. M.* t. 5017.—S. Spain.—½. May–June.

chamædryoides *Cav.*—*DC.* xii. 314; *B. M.* t. 808.—Mexico.—½. October–May.

coccinea *L.*—*DC.* xii. 348; *B. M.* t. 2864.—Georgia, Florida, Cuba.—¼. October–May.

confertiflora *Pohl.*—*DC.* xii. 323.—Brazil.—½. October–May.

crassifolia *Desf.*—*DC.* xii. 264.—S. Europe?—¼. May.

cretica *L.*—*DC.* xii. 263.—Crete?—½. May–June.

cyanea *Benth.*—*DC.* xii. 336.—Mexico, Costa Rica.—½. October–May.

cypria *Ung. & Kotschy.*—*Boiss. Fl. Or.* iv. 596.—Crete.—½. May–June.

dichroa *Hook. fil.* = *bicolor*.

discolor *H. B. K.*—*DC.* xii. 338; *B. M.* t. 6772.—Peru.—½. November–June.

dumetorum *Andrz.*—*DC.* xii. 290.—Central Asia.—¼.

elegans *Vahl.*—*DC.* 343; *B. M.* t. 6448; *Ref. Bot.* t. 228.—Mexico.—½. December–May.

farinacea *Benth.*—*DC.* xii. 302.—Texas.—¼. April–June.

Gardneriana *Hort.*—(*Haage & Schmidt*, 1905).—?—¼.

gesneræflora *Lindl. & Paxt.*—*Fl. d. S.* t. 2131.—Colombia.—½. December–May.

Goudotii *Benth.*—*DC.* xii. 339; *Ref. Bot.* t. 229.—Colombia.—½. December–June.

Grahami *Benth.*—*DC.* xii. 335; *Lodd. B. C.* t. 1798.—Mexico.—½. September–July.

grandiflora *Ettl.*—*DC.* xii. 264.—Orient.—½. May–June.

SALVIA

- Heerii** *Regel.*—*Ref. Bot.* t. 205.—Peru.— h . November–May.
- Horminum** *L.*—*DC.* xii. 278; *Fl. d'It.* n. 3168.—Mediterranean region.— $\odot$. June–July.
- ianthina** *Otto & Dietr.*—*DC.* xii. 699; *Fl. d. S.* t. 884.—Mexico.— h . November–March.
- interrupta** *Schousb.*—*DC.* xii. 266; *B. M.* t. 5860.—N. Africa.— h . April–May.
- involutrata** *Cav.*—*DC.* xii. 333; *B. M.* t. 2872.—Mexico.— h . December–May.
- judaica** *Boiss. Fl. Or.* iv. 635.—Palestine, Syria.— u . April–May.
- leonuroides** *Glox.*—*DC.* xii. 327; *B. M.* t. 376.—Mexico.— h . October–May.
- leucantha** *Cav.*—*DC.* xii. 321; *B. M.* t. 4318; *Fl. d. S.* t. 2293.—Mexico.— u . October–January.
- longistyla** *Benth.*—*DC.* xii. 344.—Mexico.— h . October–December.
- mentiens** *Pohl.*—*DC.* xii. 330; *Ref. Bot.* t. 206.—Brazil.— h . November–May.
- mexicana** *L.*—*DC.* xii. 337; *B. M.* t. 1728.—Mexico.— h . November–May.
- microstegia* *Boiss. & Pall.* = *verbascifolia*.
- officinalis** *L.*—*DC.* xii. 264; *Fl. d'It.* n. 3165.—S. Europe.— h . May–June.
- paniculata** *L.*—*DC.* xii. 275; *B. M.* t. 6790.—S. Africa.— h . September–May.
- patens** *Cav.*—*DC.* xii. 348; *B. M.* t. 3808; *Fl. d. S.* t. 503.—Mexico.— u .
- porphyrata** *Hook.* *B. M.* t. 4939.—Mexico.— u . September–May.
- pulchella** *DC.* xii. 334.—Central America.— h . October–January.
- Regeliana** *Trautv.*—Caucasus.— u . April–May.
- Regia* *Hort.* = *mentiens*.
- scabiosæfolia** *Lam.*—*DC.* xii. 270; *B. M.* t. 5209.—Asia Minor.— u . April–May.
- scabra** *Thunb.*—*DC.* xii. 351.—S. Africa.— h . October–May.
- ***Sclarea** *L.*—*DC.* xii. 281; *Fl. d'It.* n. 3169; *B. M.* t. 2320.—S. Europe.— $\oplus$ u . June–August.

SALVIA (*continued*).

semiatrata Zucc.—DC. xii. 316.—Mexico.— $\frac{1}{2}$. October–June.

Sessei Benth.—DC. xii. 332.—Mexico.— $\frac{1}{2}$. December–Febry.

splendens Sellow.—DC. xii. 330; Lodd. B. C. t. 1089.—

Brazil.— $\frac{1}{4}$. April–November.

taraxacifolia Coss. & Bal.—B. M. t. 5991.—Atlas Mountains.

— $\frac{1}{4}$. May.

triloba L. fil.—DC. xii. 265; Fl. d'It. n. 3166.—Mediterranean region.— $\frac{1}{4}$. April–May.

verbascifolia M. B. var. *cana* Boiss. Fl. Or. iv. 619.—S.

microstegia Boiss. & Bal.—Armenia, Syria.— $\frac{1}{4}$. May.

virgata Ait.—DC. xii. 290; Fl. d'It. n. 3174.—S.E. Europe,

Orient.— $\frac{1}{4}$. July–August.

SAMBUCUS L.—N. Pff. iv. 4. 161.—Caprifoliaceæ–Sambuceæ.

australis Cham. & Schlecht.—DC. iv. 323.—S. America.— $\frac{1}{2}$.

cærulea Rafin.—Nich. Dict. Suppl. 653.—Western N.

America.— $\frac{1}{2}$. July–August.

†**SAMUELA** Trelease.—N. Pff. Nachtr. ii. 48.—Liliaceæ–Dracænoidæ–Yuccææ.

Carnerosana Trel. Rept. Miss. Bot. Gard. 1902, 118. t. 76–

81.—North-eastern Mexico.— $\frac{1}{2}$.

Faxoniana Trel. Rept. Miss. Bot. Gard. 1902, 117. t. 73–75.

—Texas.— $\frac{1}{2}$.

SANSEVIERIA Thunb.—N. Pff. ii. 5. 84.—Liliaceæ–Ophiopogonoideæ.

cylindrica Boj.—B. M. t. 5093; Fl. Trop. Afr. vii. 335.—

Tropical Africa.— $\frac{1}{4}$.

spec. ?—German S.W. Africa.— $\frac{1}{4}$.

SANTOLINA L.—N. Pff. iv. 5. 271.—Compositæ–Anthemideæ–Anthemidinæ.

Chamæcyparissus L.—DC. vi. 35; Fl. d'It. n. 3604.—

Mediterranean region.— $\frac{1}{4}$. June.

„ var. *pinnata* (Viv.) DC. vi. 35; Fl. d'It. n. 3604 γ .—Italy.— $\frac{1}{4}$. June.

rosmarinifolia Mill.—DC. vi. 36.—S. Europe.— $\frac{1}{4}$. June.

viridis Willd.—DC. vi. 35.—Spain, S. France.— $\frac{1}{4}$. June.

SAPINDUS L.—N. Pff. iii. 5. 315.—Sapindaceæ–Sapindeæ.

manatensis Shuttlew.—Index Sem. Hort. Pan. 1910, 74.—

N. America.— $\frac{1}{2}$.

marginatus Willd.—DC. i. 607.—Georgia.— $\frac{1}{2}$.

SAPINDUS (*continued*).

Mukorossi Gaertn.—*DC.* i. 609; *Fl. Brit. Ind.* i. 683.—
India to Japan.—½.

Saponaria L.—*DC.* i. 607; *N. Pff.* l. c. 316. fig. 164.—
Tropical America.—½.

SAPIUM P. Br.—*N. Pff.* iii. 5. 97.—Euphorbiaceæ—Crotonoideæ
—Hippomaneæ.

sebiferum Roxb.—*DC.* xv. 2. 1210; *N. Pff.* l. c. fig. 63.—
China, Japan.—½.

SAPONARIA L.—*N. Pff.* iii. 1b. 78.—Caryophyllaceæ—Silen-
oideæ—Diantheæ.

calabrica Guss.—*Fl. d'It.* n. 1208β.—*S. multiflora* Regel.—
Southern Italy.—☉. Spring.

‡ **SARCOCAULON** DC.—*N. Pff.* iii. 4. 9.—Geraniaceæ—Geranieæ.

Burmanni Swet.—*DC.* i. 638; *Fl. Cap.* i. 256.—S. Africa.
—½. April–June.

Patersoni Eckl. & Zeyh.—*DC.* i. 638; *Fl. Cap.* i. 256.—
S. Africa.—½.

SARCOCOCCA Lindl.—*N. Pff.* iii. 5. 132.—Buxaceæ—Buxææ.

pruniformis Lindl.—*Fl. Brit. Ind.* v. 266; *Bossehe, Ic. Sel.*
t. 90; *DC.* xvi. 1. 11, as *S. saligna* Muell.-Arg.—India,
Ceylon.—½. December.

SARCOSTEMMA R. Br.—*N. Pff.* iv. 2. 156.—Asclepiadaceæ—
Cynanchoideæ—Asclepiadeæ—Cynanchinæ.

viminale R. Br.—*DC.* viii. 538; *Fl. Trop. Afr.* iv. 1. 384;
Fl. Cap. iv. 1. 755; *Berger, Stap. & Klein.* fig. 74.—Tropical
and Southern Africa.—½. October.

SATUREIA L.—*N. Pff.* iv. 3a. 296.—Labiataæ—Stachyoideæ—
Melissinæ.

græca L.—*N. Pff.* l. c. 298; *Fl. d'It.* n. 3184; *DC.* xii. 214
(*Micromeria gr.*)—Mediterranean region.—¼ ½. May–June.

Juliana L.—*N. Pff.* l. c. 298; *Fl. d'It.* n. 3183; *DC.* xii. 213
(*Micromeria Jul.*)—Mediterranean region.—¼. June.

lanata Link.—*N. Pff.* l. c. 299; *DC.* xii. 215 (*Micromeria*).
—Canaries.—¼ ½. May–June.

microphylla Guss.—*Fl. d'It.* n. 3186; *DC.* xii. 219
(*Micromeria*).—Sicily, Malta.—¼ ½. May–June.

montana L.—*DC.* xii. 209; *Fl. d'It.* n. 3181.—S. Europe,
Mediterranean region.—June–October.

spicigera Boiss. *Fl. Or.* iv. 566.—*S. alternipilosa* C. Koch.—
Asia Minor, Caucasus.—¼ ½. May–July.

SAUROMATUM Schott.—*N. Pff.* ii. 3. 148.—Araceæ—Aroideæ—Areæ.

guttatum Schott.—*Fl. Brit. Ind.* vi. 508; *B. M.* t. 4465; *Fl. d. S.* t. 1334.—India.— $\frac{1}{2}$. April.

SAUSSUREA DC.—*N. Pff.* iv. 5. 320.—Compositæ—Cynareæ—Carduinæ.

albescens Hook. *fil. & Th.*—*Fl. Brit. Ind.* iii. 374; *DC.* vi. 540, under *Aplotaxis*.—Himalaya.— $\frac{1}{2}$.

† **SAXEGOTHÆA** Lindl.—*N. Pff.* ii. 1. 103.—Taxaceæ—Podocarpoideæ.

conspicua Lindl.—*DC.* xvi. 2. 497; *Pilger, Taxaceæ* (*R. V. C.* iv. 5.), 42.—Chili.— $\frac{1}{2}$.

SAXIFRAGA L.—*N. Pff.* iii. 2a. 52.—Saxifragaceæ—Saxifragoideæ—Saxifrageæ.

sarmentosa L.—*DC.* iv. 43.—China, Japan.— $\frac{1}{2}$. May–June.

SCABIOSA L.—*N. Pff.* iv. 4. 189.—Dipsacaceæ.

africana L.—*DC.* iv. 657; *Fl. Cap.* iii. 44.—S. Africa.— $\frac{1}{2}$.

caucasica M. B.—*DC.* iv. 654; *The Garden*, 1900, ii. 464.—Caucasus.— $\frac{1}{2}$. April–June.

crenata Cyr.—*DC.* iv. 656; *Fl. d'It.* n. 3385.—Mediterranean region.— $\frac{1}{2}$.

cretica L.—*DC.* iv. 654; *Fl. d'It.* n. 3381.—Crete, Sicily.— $\frac{1}{2}$. May–July.

daucoides Desf. *Fl. Atl.* i. 23. t. 28; *DC.* iv. 657.—Algeria.— $\frac{1}{2}$.

graminifolia L.—*DC.* iv. 654; *Fl. d'It.* n. 3382.—S. Europe.— $\frac{1}{2}$. May–August.

limonifolia Vahl.—*DC.* iv. 661; *Fl. d'It.* n. 3380.—Sicily.— $\frac{1}{2}$.

* **maritima** L.—*DC.* iv. 657; *Bicknell, Pl. Riv.* t. 26; *Fl. d'It.* n. 3379 β .—Mediterranean region.— $\frac{1}{2}$. August–September.

stellata L.—*DC.* iv. 655; *Fl. d'It.* n. 3383.—Mediterranean region.— $\odot$. Spring–summer.

SCHEFFLERA Forst.—*N. Pff.* iii. 8. 35.—Araliaceæ—Schefflereæ.

digitata Forst.—*Hdb. Fl. N. Zeald.* 103.—New Zealand.— $\frac{1}{2}$.

racemosa (Bedd.) *Fl. Brit. Ind.* ii. 729, as *Heptapleurum*; *Wight, Ic.* t. 1015.—India.— $\frac{1}{2}$.

Stelzneriana Hort.—*Heptapleurum stelznerianum* Hort.—?
— $\frac{1}{2}$.

venulosa Harms var. **erythrostachys** Hook. *fil.* in *B. M.* t. 7402, as *Heptapleurum*.—Tropical Asia.— $\frac{1}{2}$. April.

- † **SCHINUS** *L.*—*N. Pff.* iii. 5. 162.—Anacardiaceæ—Rhoideæ.
dependens *Orteg.*—*N. Pff.* l. c. 164, 163. fig. 104; *DC.* ii. 74; *B. M.* t. 7406.—S. America.—½. May.
latifolius *Engl.*—*N. Pff.* l. c. 164.—*Lithræa* *Molle* C. Gay.—Chili, Argentine.—½.
Molle *L.*—*DC.* ii. 74; *B. M.* t. 3339.—Mexico to Chili.—½. June–December.
montanus *Engl. Bot. Jahrb.* i. 1881, 422.—Chili.—½.
terebinthifolius *Raddi.*—*DC.* ii. 74.—Brazil, Paraguay.—½. September–October.
- SCHIZANTHUS** *Ruiz & Pav.*—*N. Pff.* iv. 3b. 36.—Solanaceæ—Salpiglossideæ.
pinnatus *Ruiz & Pav.*—*DC.* x. 202; *B. M.* t. 2404. 2521.—Chili.—☉. Spring.
- SCHIZOPHRAGMA** *Sieb. & Zucc.*—*N. Pff.* iii. 2a. 76.—Saxifragaceæ—Hydrangeoideæ—Hydrangeeæ.
integrifolia *Oliv. in Hook. Ic. Pl.* xx. t. 1934; *Schneider, Hdb. Laubh.* i. 394.—China (*Wilson*, n. 1251).—½.
- † **SCHOTIA** *Jacq.*—*N. Pff.* iii. 3. 138.—Leguminosæ—Cæsalpinioidæ—Amherstieæ.
brachypetala *Sond.*—*Fl. Cap.* ii. 274; *Harv. Thes. Cap.* i. t. 32.—Natal.—½. July.
latifolia *Jacq.*—*DC.* ii. 508; *Fl. Cap.* ii. 274.—S. Africa.—½. May.
- † **SCHUBERTIA** *Mart. & Zucc.*—*N. Pff.* iv. 2. 228.—Asclepiadaceæ—Cynanchoideæ—Asclepiadeæ.
grandiflora *Mart. & Zucc.*—*DC.* viii. 534.—Brazil.—½ §.
- SCIADOPITYS** *Sieb. & Zucc.*—*N. Pff.* ii. 1. 84.—Pinaceæ—Taxodiææ.
verticillata *Sieb. & Zucc. Fl. Jap.* 101; *DC.* xvi. 2. 435; *B. M.* t. 8050.—Japan.—½.
- † **SCILLA** *L.*—*N. Pff.* ii. 5. 66.—Liliaceæ—Lilioideæ—Scilleæ.
autumnalis *L.*—*Kunth, En.* iv. 315; *Red. Lil.* t. 317; *Fl. d'It.* n. 660.—Western Europe, Mediterranean region, Caucasus.—¼. October.
campanulata *Ait.* = *hispanica*.
hæmorrhoidalis *Webb & Berth. Phyt. Can.* iii. 336. t. 230.—Canaries.—¼. October.

SCILLA (*continued*).

hispanica Mill. *Dict.* ed. 8. n. 8; *Fl. d'It.* n. 667.—*S. campanulata* Ait. *B. M.* t. 127; *Red. Lil.* t. 435; *Kunth, En.* iv. 326.—Spain, Portugal.— $\mathcal{U}$. April.

hyacinthoides L.—*B. M.* t. 1140; *Kunth, En.* iv. 316; *Bicknell, Pl. Riv.* t. 75; *Fl. d'It.* n. 664.—*S.* Europe, Madeira, Canaries.— $\mathcal{U}$. May–June.

italica L.—*B. M.* t. 663; *Red. Lil.* t. 304; *Lodd. B. C.* t. 1483; *Kunth, En.* iv. 323; *Moggr.* t. 37; *Fl. d'It.* n. 662.—Liguria, Dauphiné, &c.— $\mathcal{U}$. March–April.

maritima L. = *Urginea maritima* Bak.

messenziaca Boiss.—*Hal. Consp. Fl. Græc.* iii. 237; *B. M.* t. 8035.—Greece.— $\mathcal{U}$. February–April.

non-scripta Hoffm. & Lk.—*Fl. d'It.* n. 668; *B. M.* t. 1461; *Red. Lil.* t. 224.—*S. nutans* Smith *Kunth, En.* iv. 327.—Western Europe.— $\mathcal{U}$. April.

obtusifolia Poir.—*Kunth, En.* iv. 315; *Red. Lil.* t. 190; *Fl. d'It.* n. 661 β .—Sicily, Sardinia.— $\mathcal{U}$.

peruviana L.—*Kunth, En.* iv. 318; *Fl. d'It.* n. 663; *Red. Lil.* t. 167; *B. M.* t. 749.—Spain, Portugal, N. Africa.— $\mathcal{U}$. April–May.

„ var. **elongata** (Parl.)—*Fl. d'It.* n. 663 α ; *Bicknell, Pl. Riv.* t. 74.—Italy.— $\mathcal{U}$. April–May.

sibirica Andr.—*Kunth, En.* iv. 318; *Lodd. B. C.* t. 151; *B. M.* t. 1025. 2408; *Fl. d. S.* t. 1677.—Russia, Asia Minor.— $\mathcal{U}$. February–March.

SCIRPUS L.—*N. Pff.* ii. 2. 111.—Cyperaceæ–Scirpoideæ–Scirpinæ.

prolifer Rottb.—*Kunth, En.* ii. 201; *Fl. Austr.* vii. 330; *Fl. Cap.* vii. 226.—St. Helena, S. Africa, Australia, New Zealand.— $\mathcal{U}$. May–June.

SCOLOPENDRIUM Sm.—*N. Pff.* i. 4. 230.—Polypodiaceæ–Asplenieæ.

vulgare Sm.—*Fl. d'It.* n. 35.—S. Europe, Asia, America.— $\mathcal{U}$.

SCORZONERA L.—*N. Pff.* iv. 5. 365.—Compositæ–Cichorieæ–Leontodontinæ.

deliciosa Guss.—*DC.* vii. 118; *Fl. d'It.* n. 3866.—Sicily, N. Africa.— $\mathcal{U}$. April–May.

hispanica L.—*DC.* vii. 120; *Fl. d'It.* n. 3861.—S. Europe, Caucasus, Siberia.— $\mathcal{U}$. June–July.

villosa Scop.—*DC.* vii. 124; *Fl. d'It.* n. 3860.—S. Europe.— $\mathcal{U}$. April–June.

SCROPHULARIA *L.*—*N. Pff.* iv. 3b. 65.—Scrophulariaceæ—Antirrhinoideæ—Cheloneæ.

sambucifolia *L.*—*DC.* x. 306; *Desf. Fl. Atl.* t. 143.—Western Mediterranean region.— $\mathcal{U}$. April–May.

scabiosæfolia *Benth.*—*DC.* x. 311; *Boiss. Fl. Or.* iv. 412; *Fl. Brit. Ind.* iv. 256.—Himalaya, Afghanistan.— $\mathcal{U}$. April–May.

trifoliata *L.*—*DC.* x. 306; *Fl. d'It.* n. 2938.—Corsica, Sardinia.— $\mathcal{U}$. April–May.

SCUTELLARIA *L.*—*N. Pff.* iv. 3a. 225.—Labiatae—Scutellarioideæ.

albida *L.*—*DC.* xii. 420; *Fl. Or.* iv. 682.—S. E. Europe, Orient.— $\mathcal{U}$. May–July.

Columnæ *All.*—*DC.* xii. 419; *Fl. Or.* iv. 687.—Italy, Greece, N. Africa.— $\mathcal{U}$.

cordifolia *Benth.*—*DC.* xii. 415; *B. M.* t. 4290.—Mexico.— $\mathcal{U}$. Spring–autumn.

peregrina *L.*—*DC.* xii. 420; *Fl. d'It.* n. 3089.—S. Europe, Orient, N. Africa.— $\mathcal{U}$. April–May.

Seaforthia elegans *R. Br.* = *Archontophœnix Cunninghamii*.

SECALE *L.*—*N. Pff.* ii. 2. 80.—Gramineæ—Hordeæ.

montanum *Guss.*—*Fl. d'It.* n. 380 β .—Mediterranean region, Orient.— $\mathcal{U}$. May–June.

† **SECHIUM** *P. Br.*—*N. Pff.* iv. 5. 37.—Cucurbitaceæ—Sicyoideæ.

edule *Sw.*—*DC.* iii. 313; *Fl. W. Ind.* 286.—Tropical America.— $\mathcal{U}$ §. October–November.

SECURINEGA *Juss.*—*N. Pff.* iii. 5. 18.—Euphorbiaceæ—Platylobeæ—Phyllanthoideæ.

ramiflora *Müll. Arg.*—*DC.* xv. 2. 449; *Schneider, Hdb. Laubh.* ii. 134.—Temperate Eastern Asia.— $\mathcal{U}$.

† **SEDUM** *L.*—*N. Pff.* iii. 2a. 29.—Crassulaceæ.

Aizoon *L.*—*DC.* iii. 402, *Pl. Gr.* t. 101.—N. Asia.— $\mathcal{U}$. May–June.

* **album** *L.*—*DC.* iii. 406; *Fl. d'It.* n. 1718.—Europe, Asia, N. Africa.— $\mathcal{U}$. May.

„ var. **athoum** (*DC.*) *DC.* iii. 407; *Hal. Consp. Fl. Græc.* i. 583.—Greece.— $\mathcal{U}$. May.

alsinefolium *All.*—*Fl. d'It.* n. 1723.—Maritime Alps.— $\mathcal{U}$. May.

SEDUM (*continued*).

- Anacampseros** L.—DC. iii. 403, *Pl. Gr.* t. 33; *B. M.* t. 118; *Fl. d'It.* n. 1710.—Alps, Pyrenees.— $\mathcal{U}$.
- asiaticum** DC. iii. 401; *Fl. Brit. Ind.* ii. 419.—Himalaya.— $\mathcal{U}$. May.
- „ var. **Wallichianum** Hook. f. & Th.—*Fl. Brit. Ind.* ii. 419.— $\mathcal{U}$. May.
- *dasyphyllum** L.—DC. iii. 406, *Pl. Gr.* t. 93; *Fl. d'It.* n. 1720.—Western and Central Europe, N. Africa.— $\mathcal{U}$. May.
- dendroideum** Moç. & Sessé.—DC. iii. 409.—Mexico.— $\mathcal{h}$. February–April.
- ebracteatum** Moç. & Sessé.—DC. iii. 409; *Ref. Bot.* t. 221.—Mexico.— $\mathcal{U}$. January–February.
- euphorbioides** Schlecht.—Led. *Fl. Ross.* ii. 177.—Siberia.— $\mathcal{U}$.
- Ewersi** Ledeb.—*Fl. Ross.* ii. 182; *Fl. Brit. Ind.* ii. 421.—Himalaya, Altai, &c.— $\mathcal{U}$.
- Fabaria** Koch.—*Fl. d'It.* n. 1709.—Europe.— $\mathcal{U}$.
- heptapetalum** Poir.—*Fl. d'It.* n. 1731.—*S. cœruleum* Vahl. *B. M.* t. 2224; DC. iii. 404.—Corsica, Sardinia, Sicily, Malta, Tunis.— $\odot$. May–June.
- hispanicum** L.—DC. iii. 406; *Fl. d'It.* n. 1732.—S. Europe, Orient.— $\odot$. May–June.
- hybridum** L.—DC. iii. 402; Ledeb. *Fl. Ross.* ii. 183.—Siberia.— $\mathcal{U}$.
- involutratum** M. B.—DC. iii. 402; Ledeb. *Fl. Ross.* ii. 183.—Caucasus.— $\mathcal{U}$.
- kamtschaticum** Fisch.—Ledeb. *Fl. Ross.* ii. 182.—Kamtschatka.— $\mathcal{U}$.
- laconicum** Boiss. & Heldr.—*Fl. Or.* ii. 784; *Hal. Consp. Fl. Græc.* i. 587.—Greece, Asia Minor.— $\mathcal{U}$.
- laxiflorum** DC. iii. 409.—Teneriffe.— $\mathcal{h}$.
- maximum** Sut.—DC. iii. 402; *Fl. d'It.* n. 1707.—Europe, N. Asia.— $\mathcal{U}$.
- Middendorffianum** Max. — *Nich. Dict.* 404.—Manchuria.— $\mathcal{U}$.
- multiceps** Coss. & Dur.—*Nich. Dict.* 405.—Algeria.— $\mathcal{U}$. May–June.
- *nicæense** All.—*Fl. d'It.* n. 1713.—*S. altissimum* Poir. DC. iii. 408, *Pl. Gr.* t. 116.—Mediterranean region.— $\mathcal{U}$. May–June.

SEDUM

nudum *Ait.*—*DC.* iii. 409, *Pl. Gr.* t. 155; *Lowe, Man. Fl. Mad.* 324.—*Madeira.*— $\frac{1}{2}$.

obtusatum *A. Gray.*—*Nich. Dict.* 405.—*California.*— $\frac{1}{2}$.

oxypetalum *H. B. K.*—*DC.* iii. 409.—*Mexico.*— $\frac{1}{2}$.

populifolium *L.*—*DC.* iii. 403; *Ledeb. Fl. Ross.* ii. 180.—*Siberia.*— $\frac{1}{4}$.

retusum *Hemsl.*—*Nich. Dict.* 406.—*Mexico.*— $\frac{1}{2}$.

rubens *L.*—*DC.* iii. 405; *Fl. d'It.* n. 1733; *Ref. Bot.* t. 242.—*Mediterranean region, Canaries.*— $\odot$. May–June.

***rupestre** *L.*—*Fl. d'It.* n. 1714, *DC. Pl. Gr.* t. 115.—*Europe, Asia Minor.*— $\frac{1}{4}$.

„ *var. **anopetalum** *DC.* iii. 408.— $\frac{1}{4}$. May–June.

„ var. **reflexum** (*L.*) *DC. l. c.*; *Pl. Gr.* t. 116.— $\frac{1}{4}$. May–June.

sarmentosum *Bunge.*—*Nich. Dict.* 406.—*China.*— $\frac{1}{4}$.

Selskianum *Regel & Maack.*—*Nich. Dict.* 406.—*Manchuria.*— $\frac{1}{4}$.

sexangulare *L.*—*DC.* iii. 407, *Pl. Gr.* t. 118; *Fl. d'It.* n. 1717.—*N. Africa, Europe, N. Asia.*— $\frac{1}{4}$. May–June.

Sieboldii *Hook.* in *B. M.* t. 5358; *Nich. Dict.* 406.—*Japan.*— $\frac{1}{4}$.

spectabile *Bor.*—*Nich. Dict.* 406.—*Japan.*— $\frac{1}{4}$. May–June.

StahlII *Solms.*—*B. M.* t. 7908.—*Mexico.*— $\frac{1}{4}$. May–June.

stoloniferum *S. T. Gmel.*—*Ledeb. Fl. Ross.* ii. 184; *Nich. Dict.* 406.—*S. spurium* *M. B. B. M.* t. 2370; *DC.* iii. 402.—*Caucasus.*— $\frac{1}{4}$. May.

Telephium *L.*—*DC.* iii. 402, *Pl. Gr.* t. 92; *Fl. d'It.* n. 1708.—*Europe, N. Asia.*— $\frac{1}{4}$. June–July.

Wallichianum *Hook.* = *asiaticum*.

SELAGO *L.*—*N. Pff.* iv. 3b. 82.—*Scrophulariaceæ–Antirrhinoideæ–Selagineæ.*

distans *E. Mey.*—*DC.* xii. 11.—*S. Africa.*— $\frac{1}{2}$.

corymbosa *L.*—*DC.* xii. 10.—*S. Africa.*— $\frac{1}{4}$.

†**SEMELE** *Kunth.*—*N. Pff.* ii. 5. 78.—*Liliaceæ–Asparagoideæ–Asparagææ.*

androgyna *Kunth, En.* v. 277.—*Ruscus androgynus* *L. B. M.* t. 1898 & 3029.—*Madeira, Canary Islands.*— $\frac{1}{2}$ §. April.

† **SEMPERVIVUM** L.—*N. Pff.* iii. 2a. 31.—Crassulaceæ.

affine Lamotte.—*Fl. d'It. App.* 115.—Alps.— $\mathcal{U}$.

annuum C. Sm.—*Christ, Spicil. (Engl. Bot. Jahrb.* ix.) 160.—

S. dichotomum DC. iii. 413.—Canaries.— $\odot \oplus$. May–June.

arachnoideum L.—DC. iii. 413, *Pl. Gr.* t. 106, *B. M.* t. 68; *Fl. d'It.* n. 1701.—Alps, Pyrenees.— $\mathcal{U}$. June–July.

arboreum L.—DC. iii. 411, *Pl. Gr.* t. 125; *Lowe, Man. Fl. Mad.* 337; *Journ. Bot.* 1899, 202; *Fl. d'It.* n. 1699.—Madeira, Canaries.— $\mathcal{h}$. January–March.

„ var. **atropurpureum** Hort.—*Nich. Dict.* 416.— $\mathcal{h}$. January–March.

assimile Schott.—*Nich. Dict.* 417.—Transsylvania.— $\mathcal{U}$.

atlanticum Ball.—*B. M.* t. 6055.—Atlas Mountains.— $\mathcal{U}$. June–July.

aureum C. Sm.—DC. iii. 412; *B. M.* t. 4087; *Christ, Spicil.* 113. 161.—Canaries.— $\mathcal{U}$. May–June.

balsamiferum Christ, *Spicil.* 161.—Island of Lanzerota (Canaries).— $\mathcal{h}$. January–April.

Bentejui Christ, *Spicil.* 109. 160.—Gran Canaria.— $\mathcal{h}$. March–April.

Berthelotianum (Bolle) Christ, *Spicil.* 112. 161.—Teneriffe.— $\mathcal{U}$. April–May.

Braunii Funck.—*Fl. d'It.* n. 1702; *Nich. Dict.* 417.—Tyrol.— $\mathcal{U}$.

cæspitosum C. Sm.—DC. iii. 412; *Christ, Spicil.* 110. 161.—Gran Canaria.— $\mathcal{h}$. April.

calcareum Jord.—*Ard. Fl. Alp. Mar.* 144.—Liguria.— $\mathcal{U}$. June–July.

canariense L.—DC. iii. 412, *Pl. Gr.* t. 141; *Christ, Spicil.* 111. 161.—Teneriffe, Gomera.— $\mathcal{U}$. May–June.

Castello-Paivæ Christ, *Spicil.* 111. 161; *Bolle in Bonplandia*, 1859, 240; *B. M.* t. 5593, as *S. Paivæ*.—Gomera.— $\mathcal{h}$. May–June.

chlorochrysum Hort.—Canaries.— $\mathcal{h}$. May–June.

chrysanthum Hochst.—*Fl. Trop. Afr.* ii. 400.—Abyssinia.— $\mathcal{h}$. March–April.

ciliatum Willd.—DC. iii. 411; *Christ, Spicil.* 111. 161.—Canaries.— $\mathcal{h}$. May–June.

cuneatum Christ, *Spicil.* 111. 161; *Bolle in Bonplandia*, 1859, 239.—Teneriffe.— $\mathcal{h}$. May–June.

debile Schott.—*Fl. d'It. App.* 114.—Western Europe.— $\mathcal{U}$.

SEMPERVIVUM (*continued*).

decorum *Christ, Spicil.* 113. 161; *Bolle in Bonplandia*, 1859.

240.—Gomera.— $\frac{1}{2}$. May.

dichotomum DC. = *annuum*.

dodrantale *Willd.*—DC. iii. 412.—Canaries.— $\frac{1}{2}$.

Doramæ Webb = *Mauriqueorum*.

fimbriatum *Schn. & Lehm.*—*Nich. Dict.* 417.—S. Europe.

— $\frac{1}{2}$.

flagelliforme *Fisch.*—DC. iii. 413.—Siberia.— $\frac{1}{2}$.

Funckii *F. Braun.*—*Fl. d'It.* n. 1702.—Alps.— $\frac{1}{2}$.

glutinosum *Ait.*—DC. iii. 411; *Jacq. H. Sch.* t. 464; *B. M.*

t. 1693; *Lowe, Man. Fl. Mad.* 335.—Madeira.— $\frac{1}{2}$. June.

Haworthii *Salm, Hort. Dyck.* 253; *Christ, Spicil.* 110. 161.

—Teneriffe.— $\frac{1}{2}$. May–June.

hirtum *L.*—DC. iii. 413, *Pl. Gr.* t. 107; *Fl. d'It.* n. 1700;

B. M. t. 1457, as *S. soboliferum*.—Central Europe.— $\frac{1}{2}$.

holochrysum *Christ, Spicil.* 110. 161.—Teneriffe.— $\frac{1}{2}$.

April–June.

hybridum *Haw. Rev.* 64.—Canaries.— $\frac{1}{2}$. April.

kopaonikense *Panc.*—Servia.— $\frac{1}{2}$.

Lindleyi *Christ, Spicil.* 110. 161.—Teneriffe.— $\frac{1}{2}$. June.

lineolare *Haw. Rev.* 65.—Canaries.— $\frac{1}{2}$. May–June.

marginatum *Hort.*—Canaries.— $\frac{1}{2}$.

Mauriqueorum *Christ, Spicil.* 110. 161; *Bolle in Bonplandia*,

1859, 241.—Gran Canaria.— $\frac{1}{2}$. June–July.

Paivæ = *Castello-Paivæ*.

palmense *Christ, Spicil.* 112. 161.—Palma.— $\frac{1}{2}$. June.

patens *Griseb. & Schenk.*—*Nich. Dict. Suppl.* 666.—Eastern

Europe.— $\frac{1}{2}$.

piliferum *Jord.*—*Ardoino, Fl. Alp. Mar.* 145.—*S. Moggridgei*

Hook. fil. *B. M.* t. 6610.—Alps.— $\frac{1}{2}$.

Pittonii *Schott.*—*Nich. Dict.* 418.—Styria.— $\frac{1}{2}$.

poculiforme *Berger.*—*Bossche, Ic. Sel.* t. 234.—Canaries.—

$\frac{1}{2}$. June–July.

polypharmicum *Christ, Spicil.* 114. 161.—Hierro Island

(Canaries).— $\frac{1}{2}$.

pyrenaicum *Lamotte.*—Pyrenees.— $\frac{1}{2}$.

Reginæ-Amaliæ *Heldr. & Sart.* (non *Boiss.*!); *Nich. Dict.*

418.—Greece.— $\frac{1}{2}$. June–July.

Schottii *Schn. & Lehm.*—*Nich. Dict.* 418.—Tyrol.— $\frac{1}{2}$.

Smithii *Sims in B. M.* t. 1980; DC. iii. 412; *Christ, Spicil.*

110. 161.—Teneriffe.— $\frac{1}{2}$. June–July.

SEMPERVIVUM (*continued*).

striolatum *Berger* in *Gartenwelt*.—Canaries.— $\frac{1}{2}$. May–June.

tabulæforme *Haw.*—*DC.* iii. 412; *Lodd. B. C.* t. 1328;

Lowe, Man. Fl. Mad. 334; *Journ. Bot.* 1899, 203.—Teneriffe (N. W. coast).— $\frac{1}{2}$ $\oplus$. May–June.

tectorum *L.*—*DC.* iii. 413, *Pl. Gr.* t. 104; *Fl. d'It.* n. 1706.

—Europe, Caucasus, Northern Persia.— $\frac{1}{2}$. June–July.

tortuosum *Ait.*—*DC.* iii. 411, *Pl. Gr.* t. 156; *B. M.* t. 296;

Christ, Spicil. 109. 161.—Teneriffe.— $\frac{1}{2}$. May–June.

triste *Hort.*—*Nich. Dict.* 419.—Europe.— $\frac{1}{2}$. June.

urbicum *Christ, Spicil.* 111. 161; *B. M.* t. 7893.—Canaries.

— $\frac{1}{2}$. May–June.

velutinum *N. E. Br.* in *Gard. Chron.* 1901, ii. 318.—Canaries.

$\frac{1}{2}$ $\frac{1}{2}$. May–June.

viscatum *Berger.*—*Æonium visc.* Bolle in *Bonplandia*, 1859,

241.—Canaries.— $\frac{1}{2}$. May.

Webbii (*Bolle*) *Berger.*—*Bonplandia*, 1859, 238.—Cape Verde

Islands.— $\frac{1}{2}$. June.

Wulfeni *Hpe.*—*Fl. d'It.* n. 1705.—Austrian Alps.— $\frac{1}{2}$.

Youngianum *Christ, Spicil.* 111. 161.—Canaries.— $\frac{1}{2}$. May–

June.

Zeleborei *Schott.*—*Servia.*— $\frac{1}{2}$.

† **SENECIO** *L.*—*N. Pff.* iv. 5. 296.—*Compositæ*—*Senecioneæ*—*Senecioninæ*.

angulatus *L. fil.*—*DC.* vi. 404; *Fl. Cap.* iii. 404.—S. Africa,

— $\frac{1}{2}$ §. October–April.

australis *Willd.*—*DC.* vi. 374; *Fl. Austr.* iii. 668.—N. S.

Wales, Victoria, Tasmania, S. Australia.— $\frac{1}{2}$.

Barba-Johannis *DC.* vi. 430.—Mexico.— $\frac{1}{2}$. April.

* **Cineraria** *DC.* vi. 355; *Fl. d'It.* n. 3490; *Bicknell, Pl. Riv.*

t. 29.—*Cineraria maritima* *L.*—Mediterranean region.— $\frac{1}{2}$.

June–July.

clivorum *Maxim.*—*Gard. Chron.* 1902, ii. 217 (with Plate);

B. M. t. 7902.—China, Japan.— $\frac{1}{2}$.

cruentus *DC.* vi. 410; *Vent. J. Malm.* t. 99, as *Cineraria*

cruenta *Mass.*—Teneriffe.— $\frac{1}{2}$. April.

„ **fl. albo.**—*DC. l. c.* (var. *lacteus*).— $\frac{1}{2}$. April.

deltoideus *Less.*—*DC.* vi. 404; *Fl. Cap.* iii. 403.—S. Africa.

— $\frac{1}{2}$ §. October–February.

elæagnifolius *Hook. fil. Hdb. Fl. N. Zeald.* 162. — New

Zealand.— $\frac{1}{2}$.

SENECIO (*continued*).

gibbosus DC. vi. 355; *Fl. d' It.* n. 3490 γ. — Sicily. — 4. May.
grandifolius Less. — *Nich. Dict.* 420. — *S. Ghiesbreghtii* Hort.

— Mexico. — ½. January–March.

Greggii Rydb. in *Bull. Torr. Bot. Club*, 1900, 170. — Mexico.

— ½.

hadiensis Forsk. *Fl. Æg.-Arab.* 149. t. 19; DC. vi. 355. — Arabia. — ½ §. December–March.

Heritieri DC. vi. 409; *B. M.* t. 53. — Teneriffe. — 4. May–June.

juncus Harv. *Fl. Cap.* iii. 407; *Berger, Stap. & Kl.* 404. — S. Africa. — ½. October.

leucostachys Bak. — *Nich. Dict. Suppl.* 667. — Uruguay. — ½. June.

longifolius L. — DC. vi. 400; *Fl. Cap.* iii. 400. — S. Africa. — ½. October–April.

macroglossus DC. vi. 404; *Fl. Cap.* iii. 403; *Fl. d. S. t.* 2188; *Gard. Chron.* 1893, ii. 755. — S. Africa. — ½ §. December–May.

macrophyllus M. B. — DC. vi. 352; *The Gard.* 1902, i. 325. — Caucasus. — 4. June–July.

mikanioides Otto. — *Fl. Cap.* iii. 402; *Lowe, Man. Fl. Mad.* 448; *Rept. Miss. Bot. Gard.* 1897, t. 32. — S. Africa. — ½ §. October–April.

niveus Less. — DC. vi. 390; *Fl. Cap.* iii. 397. — S. Africa. — 4. April.

oxyriæfolius DC. vi. 405; *Fl. Cap.* iii. 376. — S. Africa. — 4. June.

Petasitis DC. vi. 431; *B. M.* t. 1536, sub *Cineraria*. — S. America. — ½. February–April.

præcox DC. vi. 431; *B. M.* t. 4803. — Mexico. — ½. May.

Prainianus Berger in *Gard. Chron.* 1911, ii. 82. — Mexico. — ½. February–April.

pulcher Hook. *B. M.* t. 5959. — Uruguay. — 4. June.

scaposus DC. vi. 403; *Fl. Cap.* iii. 406; *Berger, Stap. & Kl.* 403. — S. Africa. — 4. June–July.

subscandens Hochst. — *Fl. Trop. Afr.* iii. 421. — Abyssinia. — 4.

† **SEQUOIA** Endl. — *N. Pff.* ii. 1. 85. — Pinaceæ–Taxodiæ.

gigantea Torr. — DC. xvi. 2. 437; *B. M.* t. 4777; *Gard. Chron.* 1896, ii. 725, 1897, ii. 379, 1900, i. 101. — California. — ½.

SEQUOIA (*continued*).

sempervirens Endl.—DC. xvi. 2. 436.—California.— $\frac{1}{2}$.
March–April.

Sericographis Mohintli Ness = *Jacobinia*.

SERJANIA Schum.—N. Pff. iii. 5. 302.—Sapindaceæ–Paullinieæ.

exarata Radlk.—N. Pff. l. c. 303. fig. 155.—Brazil.— $\frac{1}{2}$ §.

scatens Radlk.—Ind. Kew. iii. 887.—Mexico.— $\frac{1}{2}$ §.

SESELI L.—N. Pff. iii. 8. 201.—Umbelliferæ–Apioidæ–Ammineæ
–Seselinæ.

gummiferum Sm.—DC. iv. 145; *B. M.* t. 2259; *Fl. Or.* ii. 961.—Asia Minor.— $\frac{1}{4}$. June.

Hippomarathrum Jacq.—DC. iv. 144.—Europe.— $\frac{1}{4}$.

tomentosum Vis.—DC. iv. 144; *Fl. d'It.* n. 2296.—Dalmatia.— $\frac{1}{4}$.

SICYOSPERMA A. Gray.—N. Pff. iv. 5. 38.—Cucurbitaceæ–Sicyoideæ.

gracile A. Gray.—N. Pff. iv. 5. 38. fig. 21.—Texas, New Mexico.—☉. Summer.

SIDA L.—N. Pff. iii. 6. 42.—Malvaceæ–Malveæ–Sidinæ.

aurantiaca St. Hil.—Ind. Kew.—Brazil.— $\frac{1}{2}$.

mollis Orteg.—DC. i. 470; *B. M.* t. 2759.—Peru.— $\frac{1}{2}$.
May–October.

SIDERITIS L.—N. Pff. iv. 3a. 231.—Labiataæ–Stachyoideæ–Marrubieæ.

candicans Ait.—DC. xii. 437.—Teneriffe.— $\frac{1}{2}$. July–August.

Massoniana Benth. in DC. xii. 457.—Madeira.— $\frac{1}{2}$.

sicula Ucria.—DC. xii. 439; *Fl. d'It.* n. 3102.—Sicily.— $\frac{1}{4}$.

spinosa Lam.—DC. xii. 442; *Willk. & Lge. Fl. Hist.* ii. 445.
—Spain, N. Africa.— $\frac{1}{2}$.

SIDEROXYLON L.—N. Pff. iv. 1. 143.—Sapotaceæ–Palaquieæ
–Sideroxylinæ.

inermis L.—DC. viii. 182; *Fl. Cap.* iv. 1. 438.—S. Africa.
— $\frac{1}{2}$.

SILENE L.—N. Pff. iii. 1b. 70.—Caryophyllaceæ–Silenoideæ–Lychneideæ.

fruticosa L.—DC. i. 381; *Fl. d'It.* n. 1196.—Sicily, Greece, Asia Minor.— $\frac{1}{4}$. April–June.

SILENE (*continued*).

- *italica** L.—DC. i. 381; *Fl. d'It.* n. 1199.—Caucasus, Mediterranean region.— $\mathcal{U}$. May–June.
- longiflora** Ehrh.—DC. i. 382; *Fl. Or.* i. 639.—Hungary, Asia Minor.— $\mathcal{U}$.
- Otites** Sm.—DC. i. 369; *Fl. d'It.* n. 1204.—Central and S. Europe, N. Asia.— $\mathcal{U}$. June–July.
- paradoxa** L.—DC. i. 381; *Fl. d'It.* n. 1200.—Mediterranean Europe.— $\mathcal{U}$. June.
- pendula** L.—B. M. t. 114; DC. i. 375; *Fl. d'It.* n. 1189.—Mediterranean Europe, Asia Minor.— $\odot$. March–May.
- Rœmeri** Friv.—*Fl. Or.* i. 609.—Greece.— $\mathcal{U}$.
- Saxifraga** L.—DC. i. 377; *Fl. d'It.* n. 1167.—S. Europe, Asia Minor.— $\mathcal{U}$. May–June.
- Schafta** S. G. Gmel.—Ledeb. *Fl. Ross.* i. 323; *Fl. Or.* i. 655.—Caucasus.— $\mathcal{U}$. Spring and summer.
- spinescens** Sibth.—*Fl. Or.* i. 632; *Hal. Consp. Fl. Gr.* i. 183.—Greece.— $\mathcal{U}$.
- *vulgaris** Garcke.—*Fl. d'It.* n. 1159.—Europe, Asia, N. Africa.— $\mathcal{U}$. May–June.
- „ var. **maritima** With.—*Fl. d'It.* n. 1159 δ .—Italy.— $\mathcal{U}$. May–June.

SILPHIUM L.—N. Pff. iv. 5. 218.—Compositæ–Heliantheæ–Melampodinæ.

terebinthinaceum Jacq.—DC. v. 512.—N. America.— $\mathcal{U}$. July.

SILYBUM Gaertn.—N. Pff. iv. 5. 323.—Compositæ–Cynareæ–Carduinæ.

eburneum Cos. & Dur.—*Ind. Kew.* iii. 912.—N. Africa.— $\odot$. June–July.

Marianum Gaertn.—DC. vi. 616; *Fl. d'It.* n. 3803.—Canaries, Mediterranean region, Orient.— $\oplus$. June–July.

SIPHOCAMPYLUS Pohl.—N. Pff. iv. 5. 65.—Campanulaceæ–Lobelioideæ.

bicolor D. Don. = *Lobelia laxiflora*.

macrostemon DC. fil.—DC. vii. 403.—Peru.— $\mathcal{U}$.

SISYMBRIUM L.—N. Pff. iii. 2. 169.—Cruciferae–Sinapeæ–Sisymbriinæ.

millefolium Ait.—DC. i. 194.—Teneriffe.— $\mathcal{U}$. April–May.

SISYRINCHIUM *L.*—*N. Pff.* ii. 5. 150.—Iridaceæ—Iridoideæ—Sisyrinchieæ.

angustifolium *Mill. Dict.* n. 2; *Bak. Irid.* 124.—*S. gramineum* *Curt. B. M.* t. 464; *Red. Lil.* t. 282.—N. America.— $\frac{1}{2}$. (*Herb* 1911.)

striatum *Sm.*—*Bak. Irid.* 133; *Red. Lil.* t. 66; *Lodd. B. C.* t. 1870; *B. M.* t. 701; *Jacq. H. Sch.* t. 11.—Chili, Argentine.— $\frac{1}{2}$. May–June.

SKIMMIA *Thunb.*—*N. Pff.* iii. 4. 181.—Rutaceæ—Toddalioidæ—Toddalieæ.

Laureola *Hook. fil. Fl. Brit. Ind.* i. 499; *DC.* i. 536, as *Limonia*?—Temperate Himalayæ.— $\frac{1}{2}$. April.

SMILAX *L.*—*N. Pff.* ii. 5. 88.—Liliaceæ—Smilacoideæ.

***aspera** *L.*—*Kunth, En.* v. 214; *Fl. d' It.* n. 742.—Mediterranean region.— $\frac{1}{2}$ §. September–November.

australis *R. Br.*—*Fl. Austr.* vii. 7.—Australia.— $\frac{1}{2}$ §.

excelsa *L.*—*Kunth, En.* v. 212; *Boiss. Fl. Or.* v. 342.—Asia Minor, Caucasus.— $\frac{1}{2}$ §.

officinalis *H. B. K.*—*Kunth, En.* v. 228.—Colombia.— $\frac{1}{2}$ §.

sandwicensis *Kunth, En.* v. 253.—Hawaiian Islands.— $\frac{1}{2}$ §.

Sarsaparilla *L.*—*Kunth, En.* v. 203; *B. M.* t. 1846.—N. America.— $\frac{1}{2}$ §.

†**SOLANDRA** *Sw.*—*N. Pff.* iv. 3b. 27.—Solanaceæ—Datureæ.

grandiflora *Sw.*—*DC.* xiii. 1. 535; *N. Pff.* l. c.—Mexico, Tropical America.— $\frac{1}{2}$ §.

macrantha *Dun.*—*DC.* xiii. 1. 533; *N. Pff.* l. c.—*S. grandiflora* *Hort. B. M.* t. 1874.—Cuba.— $\frac{1}{2}$ §. March–June.

†**SOLANUM** *L.*—*N. Pff.* iv. 3b. 21.—Solanaceæ—Solaneæ—Solaninæ.

acanthocarpum *Poit.*—*Ind. Kew.* iii. 929.—Cochin China.— $\frac{1}{2}$. May.

aculeiger *Moric.*—*DC.* xiii. 1. 301.—Brazil.— $\frac{1}{2}$.

atropurpureum *Schrank.*—*Ref. Bot.* t. 207.—S. Brazil.— $\frac{1}{2}$. May–July.

auriculatum *Ait.*—*DC.* xiii. 1. 115.—Madagascar, Mauritius, Bourbon.— $\frac{1}{2}$. May–July.

aviculare *Forst.*—*DC.* xiii. 69; *Fl. Austr.* iv. 447.—*S. laciniatum* *Ait. B. M.* t. 349.—Australia, New Zealand.— $\frac{1}{2}$. April–October.

SOLANUM (*continued*).

betaceum Cav. = *Cyphomandra betacea*.

bonariense L.—DC. xiii. 1. 348; *Dill. Hort. Elth.* 364. t. 272. fig. 351.—Argentine.—½. July–October.

Capsicastrum Link.—DC. xiii. 1. 151; *Fl. d. S.* t. 1242.—Brazil.—½. All the year.

Cervantesii Lag.—DC. xiii. 1. 103.—Mexico.—½. All the year.

ciliatum Lam.—DC. xiii. 1. 241; *Fl. d. S.* t. 1988.—Brazil. ½ ☉. July–November.

crinitum Lam. var. *costaricense* Berger.—Costa Rica.—½. Nearly always.

crispum Ruiz & Pav.—DC. xiii. 1. 91; *B. M.* t. 3795; *Gard. Chron.* 1901, ii. 414.—Chili.—½ §.

cyananthum Dun.—DC. xiii. 1. 316.—Brazil.—½. All the year.

diphyllum L.—DC. xiii. 1. 144.—Mexico.—½. July–August.

Dombeyi Dun.—DC. xiii. 1. 162.—Peru.—½. October.

fastigiatum Willd.—DC. xiii. 1. 348.—Brazil.—½.

ferox L.—DC. xiii. 1. 255; *Fl. Brit. Ind.* iv. 233; *Wight, Ic.* t. 1399.—Tropical Asia.—½. March.

giganteum Jacq.—DC. xiii. 1. 258; *Fl. Brit. Ind.* iv. 233; *Fl. Cap.* iv. 2. 94; *B. M.* t. 1921; *Wight, Ic.* t. 893.—Tropical Africa and Asia.—½. July–August.

glaucum Dun.—DC. xiii. 1. 100.—America.—½. April–July.

glutinosum Dun.—DC. xiii. 1. 342.—Mexico.—½. May.

gracile Dun.—DC. xiii. 1. 54.—S. America.—¼. April–October.

jasminoides Paxt.—DC. xiii. 1. 82.—S. America.—½ §. October–May.

laciniatum Ait. = *aviculare*.

lanceolatum Cav.—DC. xiii. 1. 343; *B. M.* t. 2173.—Mexico. ½. April–November.

lycioides L.—DC. xiii. 1. 161.—Peru.—½.

macrocarpon L.—DC. xiii. 1. 353; *Fl. Trop. Afr.* iv. 2. 214.—Tropical Africa, Mascarene Islands.—¼.

marginatum L.—DC. xiii. 1. 370; *B. M.* t. 1928; *Fl. Trop. Afr.* iv. 2. 235.—Abyssinia, Eritrea, &c.—½. April–October.

Melongena L.—*Fl. Brit. Ind.* iv. 235; *Wight, Ill.* t. 166; *Fl. d' It.* n. 2872.—India.—☉. Summer.

SOLANUM (*continued*).

- Pocote** *Hort. Lemoine*.—S. America.— $\mathcal{U}$. June–July.
- Pseudocapsicum** *L.*—*DC.* xiii. 1. 152; *Lowe, Man. Fl. Mad.* ii. 79; *Rept. Miss. B. G.* 1897, t. 43.—China, Bourbon, S. Africa, Madeira, Azores, Brazil.— $\mathfrak{h}$. Nearly always.
- pyracanthum** *Jacq. H. Sch.* iv. 36. t. 470; *DC.* xiii. 1. 304; *Smith, Ex. Bot.* ii. t. 64.—Madagascar.— $\mathfrak{h}$. July–October.
- Rantonnetii** *Carr.*—*L'Hortic. Franc.* 1859, 197.—Argentina.— $\mathfrak{h}$. October.
- robustum** *Wendl.*—*DC.* xiii. 1. 257; *Ref. Bot.* t. 37.—Brazil.— $\mathfrak{h}$. July–October.
- rostratum** *Dun.*—*DC.* xiii. 1. 329.—United States, Mexico.— $\odot$. Summer.
- Seaforthianum** *Andr.*—*DC.* xiii. 1. 67; *Lodd. B. C.* t. 971; *B. M.* t. 1982.—Barbados.— $\mathfrak{h}$ §. June–November.
- sisymbriifolium** *Lam.*—*DC.* xiii. 1. 326; *B. M.* tt. 2568. 2888. 3954.—Tropical America.— $\odot$.—Summer.
- sodomæum** *L.*—*DC.* xiii. 1. 366; *Fl. d'It.* n. 2873.—Mediterranean region.— $\odot$ $\mathcal{U}$. Summer.
- texanum** *Dun.*—*DC.* xiii. 1. 359; *Fl. d. S.* t. 1398.—Texas.— $\odot$. Summer.
- tomentosum** *L.*—*DC.* xiii. 1. 299; *Fl. Cap.* iv. 2. 100.—S. Africa.— $\mathfrak{h}$. June–November.
- torvum** *Swartz.*—*DC.* xiii. 1. 260; *Fl. Brit. Ind.* iv. 234; *Fl. Trop. Afr.* iv. 2. 231; *Wight, Ic.* t. 345.—*S. ferrugineum* *Jacq. H. Sch.* t. 334.—Tropics.— $\mathfrak{h}$. March–October.
- triquetrum** *Cav.*—*DC.* xiii. 1. 153.—Mexico.— $\mathfrak{h}$. June–October.
- tuberosum** *L.*—*DC.* xiii. 1. 31; *Fl. d'It.* n. 2870.—S. America.— $\mathcal{U}$. (Potato.) May.
- Warszewiczii** *Hort.*—*Nich. Dict.* 455.—Tropics.— $\mathfrak{h}$. All the year.
- Wendlandii** *Hook. fil.* in *B. M.* t. 6914; *Gard. Chron.* 1893, ii. 339; *The Garden*, 1900, ii. 388.—Costa Rica.— $\mathfrak{h}$ §. Summer–autumn.

SOLEMANANTHUS *Led.*—*N. Pff.* iv. 3a. 103.—Borraginaceæ–Borraginoideæ–Cynoglosseæ.

- cerinthoides** *Boiss. Fl. Or.* iv. 271, under *Trachelanthus*.—Persia.— $\mathcal{U}$. March–April.

SOLLYA *Lindl.*—*N. Pff.* iii. 2a. 113.—Pittosporaceæ—Billardiereæ.

heterophylla *Lindl.*—*Fl. Austr.* i. 126; *B. M.* t. 3523; *Lodd. B. C.* t. 1975.—*Billardiera fusiformis* Labill. *DC.* i. 345.—Western Australia.— $\frac{1}{2}$ §. April–October.

‡**SONCHUS** *L.*—*N. Pff.* iv. 5. 371.—Compositæ—Cichorieæ—Crepidinae.

arboreus *DC.* vii. 189.—Teneriffe.— $\frac{1}{2}$.

gummifer *Link.*—*DC.* vii. 188; *B. M.* t. 5219.—Teneriffe.— $\frac{1}{2}$.

Jacquini *DC.* vii. 188; *B. M.* t. 6642.—Teneriffe.— $\frac{1}{2}$.
March–April.

leptocephalus *Cass.*—*DC.* vii. 189.—Teneriffe.— $\frac{1}{2}$.

pinnatus *Ait.*—*DC.* vii. 188; *Lowe, Man. Fl. Mad.* 551.—Canaries, Madeira.— $\frac{1}{2}$.

SOPHORA *L.*—*N. Pff.* iii. 3. 195.—Leguminosæ—Papilionatæ—Sophoreæ.

alopecuroides *L.*—*DC.* ii. 69; *Led. Fl. Ross.* i. 716; *Fl. Brit. Ind.* ii. 250.—Caucasus, Central Asia.— $\frac{1}{4}$.

flavescens *Ait.*—*DC.* ii. 96; *Led. Fl. Ross.* i. 716.—Siberia.— $\frac{1}{2}$.

japonica *L.*—*DC.* ii. 95; *Jacq. H. Sch.* t. 353; *Fl. d'It.* n. 1861.—Japan, China.— $\frac{1}{2}$.

secundiflora *Lag.*—*DC.* ii. 96.—Mexico.— $\frac{1}{2}$. March–April.

tetraptera *Ait.*—*Hdb. Fl. N. Zeald.* 52; *B. M.* t. 167. 3735.—*Edwardsia grandiflora* Salisb. *DC.* ii. 97.—New Zealand.— $\frac{1}{2}$. April.

viciifolia *Hance, Journ. Linn. Soc.* xxiii. 1887, 203; *B. M.* t. 7883.—China.— $\frac{1}{2}$. April.

‡**SOPHRONITIS** *Lindl.*—*N. Pff.* ii. 6. 148.—Orchidaceæ—Monandréæ—Læliinæ.

cernua *Lindl.*—*B. M.* t. 3677.—Brazil.— $\frac{1}{4}$. March.

grandiflora *Lindl.*—*B. M.* t. 3709; *Gard. Chron.* 1895, i. 492. 1897, i. 266.—Brazil.— $\frac{1}{4}$. January–February.

violacea *Lindl.*—*B. M.* t. 6880.—Brazil.— $\frac{1}{4}$. March.

SORBARIA *A. Br.*—*N. Pff.* iii. 3. 16.—Rosaceæ—Spiræoideæ—Spirææ.

arborea *C. K. Schneider, Hdb. Laubh.* i. 490.—China (*Wilson*, n. 499).— $\frac{1}{2}$.

sorbifolia *A. Br.*—*Schneider, Hdb. Laubh.* i. 488.—*Spiræa sorbif.* *L.*—Northern Asia.— $\frac{1}{2}$.

Sorbus domestica L. = *Pirus domestica* Sm.

† **SPARAXIS** Ker.—*N. Pff.* ii. 5. 155.—Iridaceæ—Ixioidæ—Gladiolææ.

grandiflora Ker.—*Bak. Irid.* 197; *Fl. Cap.* vi. 116; *B. M.* t. 541. 779; *Red. Lil.* t. 109. 139. 362; *Jacq. H. Sch.* t. 17.
—S. Africa.— γ . April.

tricolor Ker.—*Bak. Irid.* 197; *Fl. Cap.* vi. 117; *B. M.* t. 381. 1482; *Red. Lil.* t. 129.—S. Africa.— γ . April.

† **SPARMANNIA** L. *fil.*—*N. Pff.* iii. 6. 22.—Tiliaceæ—Tiliææ.

africana L. *fil.*—*DC.* i. 503; *Fl. Cap.* i. 224; *B. M.* t. 726; *Vent. J. Malm.* t. 78.—S. Africa.— γ . Winter and spring.

palmata E. Mey.—*Fl. Cap.* i. 224; *Bossche, Ic. Sel.* t. 141.
—S. Africa.— γ . October–November.

SPARTIUM L.—*N. Pff.* iii. 3. 232.—Leguminosæ—Papilionatæ—Genistææ—Spartiinæ.

* **junceum** L.—*DC.* ii. 145; *B. M.* t. 85; *Bicknell, Pl. Riv.* t. 11; *Fl. d'It.* n. 1903.—Mediterranean region, Canaries.
— γ . May–June.

Spartocytisus Webb = *Cytisus*.

SPHACELE Benth.—*N. Pff.* iv. 3a. 290.—Labiataæ—Stachyoideæ—Hormineæ.

subhastata Benth.—*DC.* xii. 255.—Chili.— γ . April–May.

† **SPHÆRALCEA** St. Hil.—*N. Pff.* iii. 6. 38.—Malvaceæ—Malvææ—Abutilinæ.

speciosa Berger. — Central America. — γ . February–November.

umbellata St. Hil.—*N. Pff.* l. c.—*Malva umb.* Cav. *Lodd.* *B. C.* t. 222; *DC.* i. 435—Mexico.— γ . December–April.

† **SPHÆROSICYOS** Hook. *fil.*—*N. Pff.* iv. 5. 26.—Cucurbitaceæ—Cucurbiteæ—Cucumerinæ.

sphæricus Cogn.—*S. Meyeri* Hook. *fil.* *Fl. Trop. Afr.* ii. 532; *Fl. Cap.* ii. 490, as *Luffa*.—S. Africa, Mascarene Islands.— $\odot$ §. Summer.

SPINACIA L.—*N. Pff.* iii. 1a. 64.—Chenopodiaceæ—Cyclolobeæ—Atripliceæ.

oleracea L.—*DC.* xiii. 2. 118; *Fl. d'It.* n. 1003.—Orient.— $\odot$. (Spinach.)

SPINIFEX *L.*—*N. Pff.* ii. 2. 38.—Gramineæ—Paniceæ.

hirsutus *Labill.*—*Fl. Austr.* vii. 503; *N. Pff. l. c.* 39. fig. 34. — Australia, New Zealand, New Caledonia. — 4. Summer.

SPIRÆA *L.*—*N. Pff.* iii. 3. 14.—Rosaceæ—Spiræoideæ—Spirææ.

cantoniensis *Lour. Fl. Coch.* i. 394.—*S. lanceolata* *Poir. DC.* ii. 542.—*S. Reevesiana* *Lindl. Fl. d. S.* t. 1097.—China.—½. April.

„ var. *fl. pl.*—April.

Filipendula *L.*—*DC.* ii. 546; *Fl. d'It.* n. 1758.—Europe.—4. June–July.

opulifolia *L.* = *Physocarpus opulifolia* *Maxim.*

prunifolia *Sieb. & Zucc. Fl. Jap.* t. 70.—China, Japan.—½.

„ var. *flore pleno.*—*Fl. d. S.* t. 12; *The Garden*, 1900, i. 142.—½.

sorbifolia *L.* = *Sorbaria sorbifolia.*

Thunbergii *Sieb. & Zucc. Fl. Jap.* t. 69; *Schneider, Hdb. Laubh.* i. 451.—Japan.—½. April.

Spondias Solandri *Benth.* = *Pleiogynium Solandri* (see Supplement).

SPOROBOLUS *Brown.*—*N. Pff.* ii. 2. 49.—Gramineæ—Agrostideæ.

asper *Kunth, En.* i. 210.—N. America.—4.

SPREKELIA *Heister.*—*N. Pff.* ii. 5. 113.—Amaryllidaceæ—Amaryllidoideæ—Narcisseæ—Pancratiinæ.

formosissima *Herb.*—*Kunth, En.* v. 507.—*Amaryllis formosissima* *L. B. M.* t. 47; *Red. Lil.* t. 5.—Mexico.—4. May.

STACHYS *L.*—*N. Pff.* iv. 3a. 260.—Labiatae—Stachyoideæ—Lamiinæ.

affinis *Bunge* = *Sieboldii* *Miq.*

cassia *Boiss.*—*Fl. Or.* iv. 721; *Hal. Consp. Fl. Græc.* ii. 519.—Greece.—4.

circinata *L'Hér.*—*DC.* xii. 474; *W. & Lge. Fl. Hisp.* ii. 442.—Spain, N. Africa.—4. May–June.

coccinea *Jacq. H. Sch.* iii. 18. t. 284; *DC.* xii. 467; *B. M.* t. 666.—Mexico.—4.

STACHYS (*continued*).

- germanica** L.—DC. xii. 464; *Fl. d'It.* n. 3148.—Europe, Asia, N. Africa.— $\mathcal{U}$. June.
italica Mill.—DC. xii. 464; *Fl. d'It.* n. 3149.—Mediterranean region.— $\mathcal{U}$. May–July.
lanata Jacq.—DC. xii. 463; *Boiss. Fl. Or.* iv. 718.—Orient.— $\mathcal{U}$. May–June.
maritima L.—DC. xii. 483; *Fl. d'It.* n. 3162.—Mediterranean region.— $\mathcal{U}$. June.
Sieboldii Miq.—*N. Pff. l. c.* 267.—*Nich. Dict. Suppl.* 685, as *S. tuberifera* Naudin.—Eastern Asia.— $\mathcal{U}$.

Stadmannia australis A. Cunn. = *Diploglottis australis* Rdlk.

STÆHELINA L.—*N. Pff.* iv. 5. 320.—Compositæ–Cynareæ–Carduinæ.

- ***dubia** L.—DC. vi. 544; *Fl. d'It.* n. 3700.—Mediterranean region.— $\mathcal{U}$. June.

‡**STANHOPEA** Frost.—*N. Pff.* ii. 6. 166.—Orchidaceæ–Monandracæ–Gongorinæ.

- oculata** Lindl.—*B. M.* t. 5300.—Mexico.— $\mathcal{U}$. June.

‡**STAPELIA** L.—*N. Pff.* iv. 2. 278.—Asclepiadaceæ–Cynanchoidæ–Tylophoreæ–Ceropeginæ (Stapelieæ.)

- “**albicans**” Sprenger.—*Fl. Cap.* iv. 1. 1007; *Berger, Stap. & Kl.* 224.—Garden origin.— $\mathcal{U}$. August–November.

- angulata** Tod. *Hort. Bot. Pan.* i. 54. t. 13. fig. 3; *Fl. Cap.* iv. 1. 990; *Berger, Stap. & Kl.* 198.—S. Africa?—Garden origin?— $\mathcal{U}$. August–November.

atrata Tod. = *S. variegata*.

- bella** Berger, *Stap. & Kl.* 229; *Fl. Cap.* iv. 1. 979; *Gard. Chron.* 1902, i. fig. 40–41, 1908, ii. fig. 66.—S. Africa?—Garden origin?— $\mathcal{U}$. August–November.

- “**cantabrigiensis**” Berger, *Stap. & Kl.* 293.—Garden origin.— $\mathcal{U}$. August–November.

- “**Charybdis**” Rüst.—*Fl. Cap.* iv. 1. 1008; *Berger, Stap. & Kl.* 221.—Garden origin.— $\mathcal{U}$. August–November.

- “**chlorotica**” Rüst.—*Fl. Cap.* iv. 1. 1009; *Berger, Stap. & Kl.* 224.—Garden origin.— $\mathcal{U}$. August–November.

- “**ciliolulata**” Tod.—*Fl. Cap.* iv. 1. 999; *Berger, Stap. & Kl.* 219.—Garden origin.— $\mathcal{U}$. August–November.

STAPELIA (*continued*).

- “**Circe**” *Rüst.*—*Fl. Cap.* iv. 1. 983; *Berger, Stap. & Kl.* 222.
—Garden origin.— $\frac{1}{4}$. August–November.
- “**cupularis**” *N. E. Br.*—*Fl. Cap.* iv. 1. 990; *Berger, Stap. & Kl.* 218.—Garden origin.— $\frac{1}{4}$. August–November.
- deflexa** *Jacq.*—*DC.* viii. 652; *Fl. Cap.* iv. 1. 955; *Berger, Stap. & Kl.* 279; *B. M.* t. 1890; *Lodd. B. C.* t. 135.—S. Africa.— $\frac{1}{4}$. August–November.
- „ var. **atropurpurea** *Hort.*—*Berger, Stap. & Kl.* 280.—S. Africa.— $\frac{1}{4}$. August–November.
- discolor** *Tod. Hort. Bot. Pan.* i. 49. t. 12. fig. 3; *Fl. Cap.* iv. 1. 982; *Berger, Stap. & Kl.* 195.—S. Africa?— $\frac{1}{4}$. August–November.
- “**divergens**” *N. E. Br.*—*Fl. Cap.* iv. 1. 1906; *Berger, Stap. & Kl.* 217.—Garden origin.— $\frac{1}{4}$. August–November.
- Engleriana** *Schlechter.*—*Fl. Cap.* iv. 1. 979; *Berger, Stap. & Kl.* 282. fig. 58.—S. Africa.— $\frac{1}{4}$. August–October.
- europæa* *Guss.* = *Caralluma europæa* *N. E. Br.*
- gigantea** *N. E. Br.*—*Fl. Cap.* iv. 1. 948; *B. M.* t. 7068; *Berger, Stap. & Kl.* 247. fig. 51.—S. Africa.— $\frac{1}{4}$. August–October.
- glabricaulis** *N. E. Br.*—*Fl. Cap.* iv. 1. 953; *Hook. Ic. Pl.* t. 1917; *Berger, Stap. & Kl.* 274.—S. Africa.— $\frac{1}{4}$. August–November.
- grandiflora** *Mass. Stap. Nov.* 13. t. 11; *DC.* viii. 652; *Fl. Cap.* iv. 1. 945; *Berger, Stap. & Kl.* 258; *B. M.* t. 585.—S. Africa.— $\frac{1}{4}$. September–December.
- “**Hanburyana**” *Berger & Rüst.*—*Fl. Cap.* iv. 1. 1007; *Berger, Stap. & Kl.* 200.—Garden origin.— $\frac{1}{4}$. August–December.
- hirsuta** *L.*—*DC.* viii. 653; *Fl. Cap.* iv. 936; *Berger, Stap. & Kl.* 263; *Lodd. B. C.* t. 94.—S. Africa.— $\frac{1}{4}$. August–November.
- „ var. **patula** *N. E. Br. l. c.*—S. Africa.— $\frac{1}{4}$. August–November.
- “**lunata**” *Dam.*—*Fl. Cap.* iv. 1. 1004; *Berger, Stap. & Kl.* 215.—Garden origin.— $\frac{1}{4}$. August–October.
- maculosa** *J. Donn.*—*DC.* viii. 658; *Fl. Cap.* iv. 1. 985; *Berger, Stap. & Kl.* 191; *B. M.* t. 1833.—S. Africa.— $\frac{1}{4}$. August–November.
- “**maculosoides**” *N. E. Br.*—*Fl. Cap.* iv. 1. 984; *Berger, Stap. & Kl.* 295.—Garden origin.— $\frac{1}{4}$. July–October.

STAPELIA (*continued*).

- "**magna**" *Berger, Stap. & Kl.* 295.—Garden origin.— $\frac{1}{4}$. August–November.
- "**mirabilis**" *Dam.—Fl. Cap.* iv. 1. 1011; *Berger, Stap. & Kl.* 221.—Garden origin.— $\frac{1}{4}$. August–November.
- mixta** *Mass. Stap. Nov.* 23. t. 38; *DC.* viii. 658; *Fl. Cap.* iv. 1. 1000; *Berger, Stap. & Kl.* 202. fig. 45.—S. Africa.— $\frac{1}{4}$. August–November.
- "**Muley Hassan**" *Rüst.—Fl. Cap.* iv. 1. 1010; *Berger, Stap. & Kl.* 196.—Garden origin.— $\frac{1}{4}$. August–November.
- mutabilis** *Jacq.—DC.* viii. 661; *Fl. Cap.* 1. 981; *Berger, Stap. & Kl.* 191.—S. Africa?— $\frac{1}{4}$. August–November.
- pulchella** *Mass. Stap. Nov.* 22. t. 36; *DC.* viii. 655; *Fl. Cap.* iv. 1. 989; *Berger, Stap. & Kl.* 304.—S. Africa.— $\frac{1}{4}$. Summer–autumn.
- pulvinata** *Mass. Stap. Nov.* 13. t. 13; *DC.* viii. 654; *Fl. Cap.* iv. 1. 935; *Berger, Stap. & Kl.* 262; *B. M.* t. 1240; *Lodd. B. C.* t. 206.—S. Africa.— $\frac{1}{4}$. Autumn.
- "**putida**" *Berger, Stap. & Kl.* 213; *Fl. Cap.* iv. 1. 1012.—Garden origin.— $\frac{1}{4}$. Autumn.
- revoluta** *Mass. Stap. Nov.* 12. t. 10; *DC.* viii. 657; *Fl. Cap.* iv. 1. 980; *Berger, Stap. & Kl.* 226. fig. 48.—S. Africa.— $\frac{1}{4}$. August–November.
- „ var. **glaucescens** *Berger, Stap. & Kl.* 228.— $\frac{1}{4}$. August–November.
- rufa** *Mass. Stap. Nov.* 16. t. 20; *DC.* viii. 653; *Fl. Cap.* iv. 1. 965; *Berger, Stap. & Kl.* 298. fig. 63.—S. Africa.— $\frac{1}{4}$. August–November.
- Schinzii** *Berger & Schlechter.—Berger, Stap. & Kl.* 253. fig. 53.—German S.W. Africa.— $\frac{1}{4}$.
- scutellata** *Tod. Hort. Bot. Pan.* i. 52. t. 13. fig. 2; *Fl. Cap.* iv. 1. 1007; *Berger, Stap. & Kl.* 199.—Garden origin.— $\frac{1}{4}$. August–November.
- "**Scylla**" *Sprenger.—Fl. Cap.* iv. 1. 1005; *Berger, Stap. & Kl.* 225.—Garden origin.— $\frac{1}{4}$. August–November.
- "**Sisyphus**" *Dam.—Fl. Cap.* iv. 1. 1013; *Berger, Stap. & Kl.* 217.—Garden origin.— $\frac{1}{4}$. August–November.
- tsomoensis** *N. E. Br.—Fl. Cap.* iv. 1. 954; *Hook. Ic. Pl.* t. 1918; *Berger, Stap. & Kl.* 276.—S. Africa.— $\frac{1}{4}$. August–November.
- "**Uspenskyi**" *Rüst.—Fl. Cap.* iv. 1. 1014; *Berger, Stap. & Kl.* 221.—Garden origin.— $\frac{1}{4}$. August–November.

STAPELIA

- variegata** L.—DC. viii. 659; *Fl. Cap.* iv. 1. 992; *Berger, Stap. & Kl.* 205.—S. Africa.— $\frac{1}{4}$. August–November.
- „ **var. atrata** (Tod.) N. E. Br.—*Fl. Cap.* iv. 1. 1006; *Berger, Stap. & Kl.* 216; *Hort. Bot. Pan.* t. 13. fig. 1.—Garden origin.— $\frac{1}{4}$. August–November.
- „ **var. atropurpurea** (Salm) N. E. Br.—*Fl. Cap.* iv. 1. 1005; *Berger, Stap. & Kl.* 216.—S. Africa.— $\frac{1}{4}$. August–November.
- „ **var. bufonia** (J. Donn) N. E. Br.—*Fl. Cap.* iv. 1. 998; *Berger, Stap. & Kl.* 209; *Lodd. B. C.* t. 332. 811.—S. Africa.— $\frac{1}{4}$. August–November.
- „ **var. clypeata** (J. Donn) N. E. Br.—*Fl. Cap.* iv. 1. 1000; *Berger, Stap. & Kl.* 209; *B. M.* t. 1676.—S. Africa.— $\frac{1}{4}$. August–November.
- „ **var. conspurcata** (Willd.) N. E. Br.—*Fl. Cap.* iv. 1. 1003; *Berger, Stap. & Kl.* 212.—S. Africa.— $\frac{1}{4}$. August–November.
- „ **var. marmorata** (Jacq.) N. E. Br.—*Fl. Cap.* iv. 1. 1004; *Berger, Stap. & Kl.* 214.—S. Africa.— $\frac{1}{4}$. August–November.
- „ **var. normalis** Jacq.—*Berger, Stap. & Kl.* 207.—S. Africa.— $\frac{1}{4}$. August–November.
- „ **var. picta** (J. Donn) N. E. Br.—*Fl. Cap.* iv. 1. 1004; *Berger, Stap. & Kl.* 213; *B. M.* t. 1169.—S. Africa.— $\frac{1}{4}$. August–November.
- „ **var. planiflora** (Jacq.) N. E. Br.—*Fl. Cap.* iv. 1. 998; *Berger, Stap. & Kl.* 207; *DC. Pl. Gr.* t. 149.—S. Africa.— $\frac{1}{4}$. August–November.
- verrucosa** Mass. *Stap. Nov.* 11. t. 18; *DC.* viii. 655; *Fl. Cap.* iv. 1. 987; *Berger, Stap. & Kl.* 305; *B. M.* t. 786; *Lodd. B. C.* t. 127.—S. Africa.— $\frac{1}{4}$. July–October.
- „ **var. roriflua** (Jacq.) N. E. Br.—*Fl. Cap.* iv. 1. 988; *Berger, Stap. & Kl.* 306.—S. Africa.— $\frac{1}{4}$. July–October.

STAPHYLEA L.—N. Pff. iii. 5. 260.—Staphyleaceæ—Staphyleoidæ.

holocarpa Hemsl. in *Kew Bull.* 1895, 15.—China (Wilson, n. 111).— $\frac{1}{2}$.

pinnata L.—DC. ii. 3; *Fl. d'It.* n. 2446; *Schneider, Hdb. Laubh.* ii. 191.—Central and S. Europe, Orient.— $\frac{1}{2}$.

† **STATICE** *L.*—*N. Pff.* iv. 1. 124.—Plumbaginaceæ—Staticeæ.

arborea Willd. = *fruticans*.

arborescens Brouss. = *fruticans*.

australis *Spreng.*—*DC.* xii. 642; *Fl. Austr.* iv. 267.—Japan, China, New Caledonia, Australia.— $\frac{1}{2}$. May–July.

brassicæfolia *Webb, Phyt. Can.* iii. 181. t. 195; *DC.* xii. 637.—Gomera Island (Canaries).— $\frac{1}{2}$. April–May.

***cordata** *Guss.*—*DC.* xii. 656; *Fl. d'It.* n. 2716a.—*S. pubescens* *DC. Moggr. Fl. Ment.* t. 33.—Liguria, Maritime Alps.— $\frac{1}{2}$. October.

fruticans *Webb.*—*DC.* xii. 636.—*S. arborea* Willd. *B. M.* t. 3776.—Teneriffe.— $\frac{1}{2}$. May–September.

Gmelini Willd.—*DC.* xii. 645.—Eastern Europe, Asia.— $\frac{1}{2}$. June–August.

imbricata *Webb.*—*DC.* xii. 638; *Fl. d. S.* t. 320–321.—Teneriffe.— $\frac{1}{2}$. April.

macrophylla *Brouss.*—*DC.* xii. 637; *B. M.* t. 4125.—Teneriffe.— $\frac{1}{2}$. March–June.

macroptera *Webb.*—*DC.* xii. 637.—Ferro Island.— $\frac{1}{2}$.

occidentalis *Lloyd.*—*DC.* xii. 648; *W. & Lge. Fl. Hisp.* ii. 378.—W. Europe, Morocco.— $\frac{1}{2}$. May–August.

oleæfolia *Scop.*—*Fl. d'It.* n. 2714.—W. Europe, N. Africa.— $\frac{1}{2}$. May–June.

„ var. **densiflora** *Guss.*—*Fl. d'It.* n. 2714 δ .—*S. oxylepis* Boiss. *DC.* xii. 647.—S. Italy, Corsica, Sardinia.— $\frac{1}{2}$. May–July.

pectinata *Ait.*—*DC.* xii. 639.—Canaries.— $\frac{1}{2}$.

Perezii *Stapf.*—*Gard. Chron.* 1910, ii. 64; *Kew Bull.* 1911, 113.—Canaries.— $\frac{1}{2}$. March–July.

puberula *Webb.*—*DC.* xii. 638; *B. M.* t. 3701.—Lanzerota Island.— $\frac{1}{2}$. March–October.

rosea Hort. (non *Smith*!) = *Limoniastrum monopetalum*.

sinensis *Gir.*—*DC.* xii. 642.—China.— $\frac{1}{2}$. May–July.

sinuata *L.*—*DC.* xii. 635; *B. M.* t. 71.—Mediterranean region.— $\frac{1}{2}$. May–August.

suffruticosa *L.*—*DC.* xii. 663.—Caucasus.— $\frac{1}{2}$.

tatarica *L.*—*DC.* xii. 632, as *Goniolimon tat.* Boiss.—S.E. Europe, Asia.— $\frac{1}{2}$. May–August.

Stauntonia latifolia Wall. = *Holbbællia latifolia* Wall.

STENOCARPUS *R. Br.*—*N. Pff.* iii. 1. 151.—Proteaceæ—Grevilloideæ—Embothriæ.

Cunninghamii *R. Br.*—*DC.* xiv. 451; *Fl. Austr.* v. 540.—*N. Australia.*— $\frac{1}{2}$.

salignus *R. Br.*—*DC.* xiv. 451; *Fl. Austr.* v. 539.—Queensland, *N. S. Wales.*— $\frac{1}{2}$.

sinuatus *Endl.*—*DC.* xiv. 451; *Fl. Austr.* v. 539; *B. M.* t. 4263; *Fl. d. S.* t. 7. 8.—Queensland, *N. S. Wales.*— $\frac{1}{2}$.

†**STENOLOBIUM** *D. Don.*—*N. Pff.* iv. 3b. 240.—Bignoniaceæ—Tecomeæ.

alatum *Sprague* in *Fl. Cap.* iv. 2. 448.—*Tecoma alata* *DC.* ix. 225.—*T. Smithii* *Hort. Gard. Chron.* 1893, ii. 649. 1894, ii. 64.—Peru, Bolivia.— $\frac{1}{2}$.

sambucifolium *Seem.*—*N. Pff.* l. c.—*Tecoma sambucif.* *H. B. K. DC.* ix. 224.—Peru.— $\frac{1}{2}$. October.

stans *D. Don.*—*N. Pff.* l. c.—*Tecoma stans* *Juss. DC.* ix. 224; *B. M.* t. 3191.—Tropical America.— $\frac{1}{2}$. May–October.

STENOTAPHRUM *Trin.*—*N. Pff.* ii. 2. 38.—Gramineæ—Paniceæ.

glabrum *Trin.*—*Fl. Cap.* vii. 438.—*S. americanum* *Schrank, Kunth, En.* i. 138; *N. Pff.* l. c. fig. 33.—Tropics.— $\frac{1}{4}$.

STEPHANANDRA *Sieb. & Zucc.*—*N. Pff.* iii. 3. 14.—Rosaceæ—Spiræoideæ—Spirææ.

incisa *Zabel.*—*Schneider, Hdb. Laubh.* i. 448.—*S. flexuosa* *Sieb. & Zucc.*—Japan, Korea.— $\frac{1}{2}$.

STEPHANOTIS *Dup. Thou.*—*N. Pff.* iv. 2. 287.—Asclepiadaceæ—Cynanchoideæ—Tylophoreæ—Marsdeniinae.

floribunda *A. Brongn.*—*DC.* viii. 620; *B. M.* t. 4058; *Nich. Dict.* fig. 531.—Madagascar.— $\frac{1}{2}$ §.

STERCULIA *L.*—*N. Pff.* iii. 6. 96.—Sterculiaceæ—Sterculiæ.

foetida *L.*—*DC.* i. 483; *Fl. Austr.* i. 226; *Wight, Ic.* t. 181. 364.—India to *N. S. Wales.*— $\frac{1}{2}$.

(For others see Supplement and under *Brachychiton.*)

STERNBERGIA *Waldst. & Kit.*—*N. Pff.* ii. 5. 107.—Amaryllidaceæ—Amaryllidoideæ—Amaryllideæ—Zephyranthinae.

lutea *Ker.*—*Kunth, En.* v. 701; *B. M.* t. 290; *Fl. d'It.* n. 750.—Mediterranean region.— $\frac{1}{4}$. September–October.

‡ **STIGMATOPHYLLON** *A. Juss.*—*N. Pff.* iii. 4. 63.—Malpighiaceæ—Pyramidotoræ—Banisteriæ.

ciliatum *A. Juss.*—*Nich. Dict.* 503.—Brazil.—½ §. June-Oct.

littorale *A. Juss.*—*B. M.* t. 6623.—S. Brazil.—½ §.

STIPA *L.*—*N. Pff.* ii. 2. 46.—Gramineæ—Agrostideæ.

Aristella *L.*—*Kunth, En.* i. 180; *Fl. d'It.* n. 159.—Mediterranean region, Asia Minor.—¼. May–June.

***Calamagrostis** *Wahlenb.*—*Fl. d'It.* n. 158.—Central and South Europe.—¼. July–August.

capillata *L.*—*Kunth, En.* i. 180; *Fl. d'It.* n. 160.—From South and Central Europe to N. Asia.—¼. May–June.

compressa *R. Br.*—*Kunth, En.* i. 183; *Fl. Austr.* vii. 567.—W. Australia.—¼. May–June.

elegantissima *Labill.*—*Kunth, En.* i. 183; *Fl. Austr.* vii. 565.—Australia.—¼. May–June.

formicarum *Delile.*—*Ind. Kew.*—Habitat?—¼. May–June.

gigantea *Lag.*—*Kunth, En.* i. 180; *Fl. d'It.* n. 161.—S. Italy, Spain, N. Africa.—¼. April–May.

***juncea** *L.*—*Kunth, En.* i. 179; *Fl. d'It.* n. 162.—Western Mediterranean region.—¼. May–June.

Lagascæ *R. & Sch.*—*Kunth, En.* i. 180; *W. & Lge. Fl. Hisp.* i. 59.—Spain, Algeria.—¼. June–July.

pennata *L.*—*Kunth, En.* i. 179; *Fl. d'It.* n. 164.—Cent. and S. Europe, N. Africa, West. and North. Asia.—¼. May–June.

Stobæa *Thunb.* = *Berkheya* *Ehrh.*

STRANVÆSIA *Lindl.*—*N. Pff.* iii. 3. 26.—Rosaceæ—Pomoideæ—Pomariæ.

glaucescens *Lindl.*—*Fl. Brit. Ind.* ii. 382; *Schneider, Hdb. Laubh.* i. 713.—Himalaya.—½. June–July.

STRATIOTES *L.*—*N. Pff.* ii. 1. 255.—Hydrocharitaceæ—Stratiotoideæ.

aloides *L.*—*Fl. d'It.* n. 564.—Europe.—¼.

‡ **STRELITZIA** *Ait.*—*N. Pff.* ii. 6. 7.—Musaceæ—Museæ.

Augusta *Thunb.*—*B. M.* t. 4167–8; *Fl. d. S.* t. 1. 2.—S. Africa. ½. June–July.

juncea *Link.* = *parvifolia*.

parvifolia *Dryand.*—*Nich. Dict.* 514.—S. Africa.—¼.

Reginæ *Ait.*—*B. M.* t. 119; *Red. Lil.* t. 77. 78; *Lodd. B. C.* t. 1535; *The Garden*, 1901, ii. 412.—S. Africa.—¼. April–June.

„ var. **ovata** *Ait.*—¼.

Reginæ × **parvifolia**—Garden origin?—¼.

STREPTOCARPUS *Lindl.*—*N. Pff.* iv. 3b. 151.—Gesneriaceæ—Cyrtandroideæ—Streptocarpeæ.

Wendlandii *Sprenger.*—*Fl. Cap.* iv. 2. 441; *B. M.* t. 7447; *Gard. Chron.* 1894, i. 590. 1897, ii. 275.—Zululand.—24. November.

STREPTOSOLEN *Miers.*—*N. Pff.* iv. 3b. 37.—Solanaceæ—Salpiglossideæ.

Jamesoni *Miers.*—*N. Pff.* l. c.—*Browallia Jamesoni* Benth. *DC.* x. 197; *B. M.* t. 4605.—Ecuador, Colombia.—½. All the year.

STROBILANTHES *Bl.*—*N. Pff.* iv. 3b. 304.—Acanthaceæ—Acanthoideæ—Contortæ—Strobilantheæ.

Dyerianus *Hook. fil.*—*B. M.* t. 7574.—Burma.—½.

glomeratus *T. Anders.*—*Fl. Brit. Ind.* iv. 448.—*Goldfussia glomerata* Nees, *DC.* xi. 173; *B. M.* t. 3881.—Assam, Burma.—½.

isophyllus *T. Anders.*—*Fl. Brit. Ind.* iv. 462.—*Goldfussia isophylla* Nees, *DC.* xi. 176; *B. M.* t. 4363.—Assam.—½.

STYPANDRA *R. Br.*—*N. Pff.* ii. 5. 38.—Liliaceæ—Asphodeloideæ—Asphodeleæ—Dianellinæ.

cæspitosa *R. Br.*—*Fl. Austr.* vii. 54.—Australia.—24. June.

† **STYRAX** *L.*—*N. Pff.* iv. 1. 177.—Styracaceæ.

officinale *L.*—*DC.* viii. 260; *Moggr. Fl. Ment.* t. 60; *Fl. d'It.* n. 2660.—Orient, Greece, Dalmatia, Italy, S. France.—½. May–June.

SUÆDA *Forsk.*—*N. Pff.* iii. 1a. 80.—Chenopodiaceæ—Spirolobeæ—Suædeæ.

fruticosa *Forsk. Fl. Æg.-Arab.* 70; *DC.* xiii. 2. 156; *Fl. d'It.* n. 1040.—Northern temperate region.—½.

† **SUTHERLANDIA** *R. Br.*—*N. Pff.* iii. 3. 280.—Leguminosæ—Papilionatæ—Galegeæ—Coluteinæ.

frutescens *R. Br.*—*DC.* ii. 283; *Fl. Cap.* ii. 212; *B. M.* t. 181.—S. Africa.—½. March–June.

SWAINSONA *Salisb.*—*N. Pff.* iii. 3. 281.—Leguminosæ—Papilionatæ—Galegeæ—Coluteinæ.

atrococcinea *Hort.* = *coronillæfolia*.

campylantha *F. Muell.*—*Fl. Austr.* ii. 219.—Queensland, S. Australia.—½. April–June.

SWAINSONA (*continued*).

coronillæfolia *Salisb.*—*Fl. Austr.* ii. 217; *B. M.* t. 792. 1725;
Lodd. B. C. t. 1642.—Queensland, N. S. Wales, S. Australia.
 —½. April–June.

galegifolia *R. Br.* = *coronillæfolia*.

Greyana *Lindl.*—*Fl. Austr.* ii. 216; *B. M.* t. 4416.—N. S.
 Wales, Victoria, S. Australia.—½. April–June.

Osbornii *T. Moore* = *coronillæfolia*.

SYMPHYTUM *L.*—*N. Pff.* iv. 3a. 112.—Borraginaceæ—Borragi-
 noideæ—Anchuseæ.

asperrium *Sims* in *B. M.* t. 929; *DC.* x. 38.—Caucasus.—
 ¼. April–June.

***bulbosum** *Schimp.*—*DC.* x. 38; *Fl. d'It.* n. 2817 δ.—Central
 and S. Europe.—¼. April–June.

SYNADENIUM *Boiss.*—*N. Pff.* iii. 5. 112.—Euphorbiaceæ—
 Crotonoideæ—Euphorbieæ.

Grantii *Hook. fil.* in *B. M.* t. 5633; *Berger, Euph.* 127.—
 Tropical E. Africa.—½.

SYRINGA *L.* *N. Pff.* iv. 2. 7.—Oleaceæ—Oleoideæ—Syringææ.

amurensis *Rupr.*—*N. Pff.* l. c.; *Schneider, Hdb. Laubh.* ii.
 784.—Manchuria, N. Korea.—½. May.

vulgaris *L.*—*DC.* viii. 282; *B. M.* t. 183; *Fl. d'It.* n. 2729.
 E. Europe, Orient.—½. April.

†**TACSONIA** *Juss.*—*N. Pff.* iii. 6a. 91, sub *Passiflora*.—Passi-
 floraceæ—Passifloreæ.

exoniensis *Hort.*—*Nich. Dict. Suppl.* 696.—(Hybrid between
T. Van-Volxemii and *T. mixta mollissima*).—Garden origin.
 —½ §. Spring–autumn.

ignea *Hort.* = *manicata*.

insignis *Mast.*—*B. M.* t. 6069; *Fl. d. S.* t. 2083–4.—S.
 America.—½ §. Summer–autumn.

manicata *Juss.*—*DC.* iii. 334; *B. M.* t. 6129.—Peru.—½ §.
 Nearly always.

militaris *Hort.*—*Nich. Dict. Suppl.* 696.—(Hybrid between
T. insignis and *T. manicata*).—*Journ. R. Hort. Soc.* 1900,
 209; *Gard. Chron.* 1900, ii. 383.—Garden origin.—½ §.

mollissima *H. B. K.*—*DC.* iii. 334; *B. M.* t. 4187; *Fl. d. S.*
 t. 5.—Colombia.—½ §.

Van-Volxemii *Hook.*—*B. M.* t. 5571.—Colombia.—½ §.
 December–June.

TAGETES *L.*—*N. Pff.* iv. 5. 265.—Compositæ—Heleniæ—Tagetiniæ.

lacera *Brandegee.*—*Gard. Chron.* 1898, i. 355. fig. 135;
Nich. Dict. Suppl. 696.—Pacific North America.—☉.
Autumn.

‡**TALAUMA** *Juss.*—*N. Pff.* iii. 2. 16.—Magnoliaceæ—Magnoliæ.
Hodgsoni *Hook. fil. & Thoms.*—*Fl. Brit. Ind.* i. 40; *Hook. fil.*
Ill. Him. Pl. t. 6; *B. M.* t. 7392.—Himalaya.—½.
pumila *Bl.* = *Magnolia pumila*.

TAMARIX *L.*—*N. Pff.* iii. 6. 293.—Tamaricaceæ—Tamaricoideæ
—Tamaricææ.

africana *Poir.*—*DC.* iii. 95; *Vis. Fl. Dalm.* iii. 152; *Fl. d'It.*
n. 1241.—Dalmatia, Western Mediterranean region, N.
Africa.—½. April–May.

gallica *L.*—*DC.* iii. 96; *Vis. Fl. Dalm.* iii. 151; *Fl. d'It.* n.
1240; Dalmatia, Western Mediterranean region, Canaries,
Tropical Africa.—½. May–June.

hispida *Willd.*—*DC.* iii. 95; *Ledeb. Fl. Ross.* ii. 135;
Schneider, Hdb. Laubh. ii. 341.—Caspian region.—½.

TAMUS *L.*—*N. Pff.* ii. 5. 136.—Dioscoreaceæ—Dioscoreæ.

edulis *Love.*—*N. Pff.* l. c.—Canaries, Madeira.—¼ §.

TARCHONANTHUS *L.*—*N. Pff.* iv. 5. 174.—Compositæ—
Inuleæ—Tarchonanthinæ.

camphoratus *L.*—*DC.* v. 431; *Lodd. B. C.* t. 382; *Fl. Cap.*
iii. 118; *N. Pff.* l. c. fig. 90.—Cape Colony.—½. June–August.

‡**TAVARESIA** *Welw.*—(Decabelone *Decne.*—*N. Pff.* iv. 2. 275.)
—Asclepiadaceæ—Cynanchoidæ—Tylophoreæ (Stapeliæ).

Barklyi *N. E. Br.* in *Fl. Trop. Afr.* iv. 1. 494; *Berger, Stap.*
& *Kl.* 46. fig. 10; *B. M.* t. 6203.—S. Africa. ½.

grandiflora *Berger, Stap. & Kl.* 45.—German S.W. Africa.—¼.

TAXODIUM *Rich.*—*N. Pff.* ii. 1. 90.—Pinaceæ—Taxodiææ.

giganteum *Hort.* = *Sequoia gigantea*.

mexicanum *Carr.*—*N. Pff.* l. c. 91.—*T. mucronatum* *Ten.*
DC. xvi. 2. 441.—Mexico.—½.

sempervirens *Lamb.* = *Sequoia sempervirens*.

TAXUS *L.*—*N. Pff.* ii. 1. 112.—Taxaceæ—Taxoideæ—Taxææ.

baccata *L.*—*DC.* xvi. 2. 500; *Pilger, Taxaceæ (R. V. C.* iv. 5),
110. fig. 23; *Fl. d'It.* n. 100.—Europe, Algiers, Caucasus,
Persia.—½.

TECOMA *Juss.*

- australis* R. Br. = *Pandorea australis*.
capensis Lindl. = *Tecomaria capensis*.
grandiflora Lois. = *Campsis grandiflora*.
jasminoides Lindl. = *Pandorea jasminoides*.
radicans L. = *Campsis radicans*.
Ricasoliana Tanf. = *Podranea Ricasoliana*.
Smithii Hort. = *Stenolobium alatum*.
stans L. = *Stenolobium stans*.

TECOMARIA *Spach.* — *N. Pff.* iv. 3b. 229. — Bignoniaceæ—
 Tecomeæ.

- capensis* *Spach.*—*Fl. Cap.* iv. 2. 448.—*Tecoma capensis* Lindl.
DC. ix. 223; *Lodd. B. C.* t. 1672; *Wood, Nat. Pl.* t. 272.
 —Cape, Transvaal.—½ §. September–March.

TELOPEA *R. Br.*—*N. Pff.* iii. 1. 149.—Proteaceæ—Grevilloideæ—
 Embothriæ.

- speciosissima* *R. Br.*—*DC.* xiv. 446; *Fl. Austr.* v. 534;
B. M. t. 1128.—N. S. Wales.—½ .

‡**TEMPLETONIA** *R. Br.*—*N. Pff.* iii. 3. 217.—Leguminosæ—
 Papilionatæ—Genisteæ—Bossiæinæ.

- retusa* *R. Br.*—*DC.* ii. 118; *Fl. Austr.* ii. 169; *B. M.* t. 2088.
 2334; *Lodd. B. C.* t. 526. 644; *Vent. J. Malm.* t. 53.—S. and
 W. Australia.—½ . November–March.

TERNSTRÆMIA *L. f.*—*N. Pff.* iii. 6. 187. *Nachtr.* i. 246. —
 Theaceæ—Ternstrœmiæ.

- japonica* *Thunb.*—*Sieb. & Zucc. Fl. Jap.* i. 148. t. 80.—
Cleyera japonica *Thunb.* *DC.* i. 524.—*Kaempfer, Am.* 774.
 with fig.—Japan.—½ .

‡**TESTUDINARIA** *Salisb.*—*N. Pff.* ii. 5. 135.—Dioscoreaceæ—
 Dioscoreæ.

- Elephantipes* *Burch.*—*Kunth, En.* iv. 441; *Fl. Cap.* vi. 252;
B. M. t. 1347.—S. Africa.—½ §.

Tetranthera japonica *Spreng.* = *Litsea japonica* *Juss.*

TETRAGONIA *L.*—*N. Pff.* iii. 1b. 44. — Aizoaceæ—Ficoideæ—
 Mesembrianthemæ.

- expansa* *Murr.*—*DC.* iii. 452; *Fl. Austr.* iii. 325; *Hdb. Fl.*
N. Zeald. 84; *B. M.* t. 2362; *Fl. d'It.* n. 1061.—Australia,
 New Zealand, Japan, S. America.—☉. Summer.

†**TETRAPANAX** *C. Koch.*—*N. Pff.* iii. 8. 33.—*Araliaceæ*—*Schefflerææ*.

papyrifer *C. Koch.*—*N. Pff.* l. c. 34.—*Aralia papyrifera* Hook. *Journ. Bot.* iv. 1852, 50. t. 1–2; *B. M.* t. 4897; *Fl. d. S.* t. 489. 1201.—*Fatsia papyrifera* Benth. & Hook. fil. *Journ. Lin. Soc.* xxiii. 341. — China, Formosa. — $\frac{1}{2}$. December.

TEUCRIUM *L.*—*N. Pff.* iv. 3a. 210.—*Labiatae*—*Ajugoideæ*—*Ajugeæ*.

Arduini *L.*—*DC.* xii. 582; *Fl. d'It.* n. 3070.—S. E. Europe. — $\frac{1}{4}$. May–July.

campanulatum *L.*—*DC.* xii. 578; *Fl. d'It.* n. 3077.—S. Italy, Western Mediterranean region. — $\frac{1}{4}$ $\frac{1}{2}$. May–July.

***Chamædrys** *L.*—*DC.* xii. 587; *Fl. d'It.* n. 3082.—Central and S. Europe.— $\frac{1}{4}$. May–June.

creticum *L.*—*DC.* xii. 576; *Hal. Consp. Fl. Gr.* ii. 470; *Fl. d'It.* n. 3076. — Mediterranean region. — $\frac{1}{2}$. December.

cubense *L.*—*DC.* xii. 578; *Fl. W. Ind.* 492.—Bahamas, Tropical America, Galápagos, New Caledonia.— $\frac{1}{4}$. July–August.

flavum *L.*—*DC.* xii. 588; *Fl. d'It.* n. 3081. — S. Europe, N. Africa.— $\frac{1}{2}$. May–June.

fruticans *L.*—*DC.* xii. 575; *Ref. Bot.* t. 204; *Fl. d'It.* n. 3075. — Western Mediterranean region, Southern Italy.— $\frac{1}{2}$. All the year.

heterophyllum *L'Hér.*—*DC.* xii. 575.—Madeira, Canaries. $\frac{1}{2}$. April–May.

hircanicum *Lam.*—*DC.* xii. 581; *B. M.* t. 2013; *Boiss. Fl. Or.* iv. 811.—Caucasus, Persia.— $\frac{1}{4}$. July–August.

lusitanicum *Lam.*—*DC.* xii. 585; *W. & Lge. Fl. Hisp.* ii. 470. — Spain, Portugal, Balearic Islands.— $\frac{1}{4}$ $\frac{1}{2}$. June.

Marum *L.*—*DC.* xii. 589; *Fl. d'It.* n. 3080.—Southern Italy, Spain.— $\frac{1}{2}$. June.

***montanum** *L.*—*DC.* xii. 593; *Fl. d'It.* n. 3085.—Mediterranean Europe, Asia Minor.— $\frac{1}{4}$. June–September.

orientale *L.*—*DC.* xii. 577; *B. M.* t. 1279; *Boiss. Fl. Or.* iv. 808.—Asia Minor, Syria.— $\frac{1}{4}$. July–August.

***Polium** *L.*—*DC.* xii. 591; *Fl. d'It.* n. 3084.—Mediterranean region, Orient.— $\frac{1}{4}$. July–August.

- THALIA** *L.*—*N. Pff.* ii. 6. 43.—Marantaceæ—Marantææ.
dealbata *Fraser.*—*B. M.* t. 1690.—S. Carolina.— $\frac{1}{2}$. July–August.
- THALICTRUM** *L.*—*N. Pff.* iii. 2. 66.—Ranunculaceæ—Anemoneæ.
calabricum *Spreng.*—*DC.* i. 13; *Fl. d'It.* n. 1548.—Calabria, Sicily.— $\frac{1}{2}$. April–June.
glaucum *Desf.*—*DC.* i. 15; *W. & Lge. Fl. Hisp.* iii. 958.—South-western Europe.— $\frac{1}{2}$. May–June.
minus *L.*—*DC.* i. 13; *Fl. d'It.* n. 1550 β .—Europe, Siberia.— $\frac{1}{2}$. May–June.
petaloideum *L.*—*DC.* i. 12; *Lodd. B. C.* t. 891; *Ledeb. Fl. Ross.* i. 6.—Siberia.— $\frac{1}{2}$. May–June.
tuberosum *L.*—*DC.* i. 15; *W. & Lge. Fl. Hisp.* iii. 958.—S.W. Europe.— $\frac{1}{2}$. April–June.
- THAPSIA** *L.*—*N. Pff.* iii. 8. 247.—Umbelliferæ—Apioidæ—Laserpitieæ—Thapsiinaæ.
decipiens *Hook. f.* = *Melanoselinum decipiens*.
garganica *L.*—*DC.* iv. 202; *Fl. d'It.* n. 2371.—Mediterranean region.— $\frac{1}{2}$. May–June.
- THASPIUM** *Nutt.*—*N. Pff.* iii. 8. 214.—Umbelliferæ—Apioidæ—Ammineæ—Seselinæ.
aureum *Nutt.*—*Gray, Man. Bot. N. U. S.* 155.—Atlantic N. America.— $\frac{1}{2}$. June.
- † **THEA** *L.*—*N. Pff.* iii. 6. 182.—Theaceæ—Theææ.
sinensis *L.*—*N. Pff. l. c.* fig. 92.—*T. chinensis* var. *Bohea* (L.) *Sims* in *B. M.* t. 998; *Lodd. B. C.* t. 226.—*T. chin.* var. *viridis* (L.) *DC.* i. 530; *Lodd. B. C.* t. 227, 1828.—*Camellia theifera* *Griff.*—Assam, China.— $\frac{1}{2}$. October–December.
- Theophrasta imperialis* *Hort.* = *Chrysophyllum imperiale*.
- THEVETIA** *L.*—*N. Pff.* iv. 2. 159.—Apocynaceæ—Plumierioideæ—Plumiereæ—Cerberinæ.
neriifolia *Juss.*—*DC.* viii. 344; *Fl. W. Ind.* 407; *B. M.* t. 2309.—West Indies, Mexico, Peru, Brazil.— $\frac{1}{2}$. Summer.
- THIBAUDIA** *Ruiz & Pav.*—*N. Pff.* iv. 1. 56.—Ericaceæ—Vaccinioideæ—Thibaudieæ.
floribunda *H. B. K.*—*DC.* vii. 561.—Colombia.— $\frac{1}{2}$.

THLADIANTHA Bunge.—*N. Pff.* iv. 5. 13.—Cucurbitaceæ—Fevilleæ—Thladianthinæ.

dubia Bunge.—*Fl. Brit. Ind.* ii. 631; *B. M.* t. 5469.—India, China.—4 §. Summer.

THOMASIA *J. Gay.*—*N. Pff.* iii. 6. 91.—Sterculiaceæ—Lasioptaleæ.

solanacea *J. Gay.*—*DC.* i. 489; *Fl. Austr.* i. 251; *Bossche, Ic. Sel.* t. 6.—W. Australia.—½.

THUJA *L.*—*N. Pff.* ii. 1. 97; *Nachtr.* 25.—Pinaceæ—Cupressineæ—Thujopsidinæ.

gigantea Hort. = *Libocedrus decurrens*.

orientalis *L.*—*DC.* xvi. 2. 461; *Fl. d'It.* n. 92.—China, Japan.—½. March.

THUJOPSIS *Sieb. & Zucc.*—*N. Pff.* ii. 1. 95; *Nachtr.* i. 25.—Pinaceæ—Cupressineæ—Thujopsidinæ.

dolobrata *Sieb. & Zucc. Fl. Jap.* ii. 34. t. 119. 120; *DC.* xvi. 2. 460.—Japan.—½.

THUNBERGIA *L. f.* — *N. Pff.* iv. 3b. 291.—Acanthaceæ—Thunbergioideæ.

alata *Boj.*—*B. M.* t. 2591; *DC.* xi. 58; *Fl. Trop. Afr.* v. 16.—Tropical Africa, Natal.—⊙ §. Summer-autumn.

coccinea *Wall.*—*B. M.* t. 5124; *Fl. Brit. Ind.* iv. 393.—*Hexacentris cocc.* Nees, *DC.* xi. 61.—India.—½ §. November–February.

fragrans *Roxb.*—*Fl. Brit. Ind.* iv. 390; *DC.* xi. 57; *Lodd. B. C.* t. 1913.—India, Malaya, Philippines, N. Australia.—½ §.

grandiflora *Roxb.*—*Wight, Ic.* t. 872; *B. M.* t. 2366; *DC.* xi. 54; *Fl. Brit. Ind.* iv. 392.—India, Burma.—½ §.

natalensis *Hook.* in *B. M.* t. 5082.—Natal.—¼. May–September.

THYMBRA *L.*—*N. Pff.* iv. 3a. 304.—Labiataë—Stachyoideæ—Melissinæ.

spicata *L.*—*DC.* xii. 240; *Boiss. Fl. Or.* iv. 561.—Greece, Orient.—½. April–July.

THYMUS *L.*—*N. Pff.* iv. 3a. 311.—Labiataë—Stachyoideæ—Thyminæ.

capitatus *Hffmegg. & Link.*—*DC.* xii. 204; *Fl. d'It.* n. 3200.—Mediterranean region.—½. May.

THYMUS (*continued*).

cimicinus *Blum.*—*Ledeb. Fl. Ross.* iii. 348.—Southern Russia.— $\frac{1}{2}$. May.

***vulgaris** *L.*—*DC.* xii. 199; *Fl. d'It.* n. 3202.—S. Europe.— $\frac{1}{2}$. February–May.

Zygis *L.*—*DC.* xii. 202; *W. & Lge. Fl. Hisp.* ii. 402.—Spain.— $\frac{1}{2}$. May.

TIARELLA *L.*—*N. Pff.* iii. 2a. 61.—Saxifragaceæ–Saxifragoideæ–Saxifrageæ.

cordifolia *L.*—*DC.* iv. 50; *B. M.* t. 1589; *The Garden*, 1900, ii. 11.—Atlantic N. America.— $\frac{1}{4}$. April–May.

TIBOUCHINA *Aubl.*—*N. Pff.* iii. 7. 147.—Melastomataceæ–Melastomatoideæ–Tibouchinæ.

semidecandra *Cogn.*—*N. Pff. l. c.* 148.—*Pleroma macranthum* *Hook. B. M.* t. 5721.—*Lasiandra macrantha* *Lind. & Seem.*—S. Brazil.— $\frac{1}{2}$. September–December.

TIGRIDIA *Ker.*—*N. Pff.* ii. 5. 147.—Iridaceæ–Iridoideæ–Tigridiæ.

Pavonia *Ker.*—*Bak. Irid.* 67.—*Ferraria Pav. L. f. Red. Lil.* t. 6; *Lodd. B. C.* t. 1424.—*Ferraria Tigridia* *Ker. B. M.* t. 532.—Mexico to Guatemala.— $\frac{1}{4}$. June.

†**TILLANDSIA** *L.*—*N. Pff.* ii. 4. 55.—Bromeliaceæ–Tillandsiæ.

corallina *K. Koch.*—*Bak. Brom.* 220.—Brazil.— $\frac{1}{4}$.

dianthoidea *Rossi.*—*Bak. Brom.* 198; *Malpighia* viii. t. 8.—*T. recurvifolia* *Hook. B. M.* t. 5216.—S. Brazil, Uruguay, Argentina.— $\frac{1}{4}$. May–June.

Duratii *Vis.*—*Bak. Brom.* 166; *Nich. Dict.* fig. 37.—Uruguay, Argentina, Brazil, Peru, &c.— $\frac{1}{4}$.

fasciculata *Swartz.*—*Bak. Brom.* 183.—Central America, W. Indies.— $\frac{1}{4}$.

pruinosa *Sw.*—*Bak. Brom.* 168.—Central America, W. Indies.— $\frac{1}{4}$.

punctulata *Cham. & Schl.*—*Bak. Brom.* 172.—Central Mexico.— $\frac{1}{4}$.

scalaris *Bak. Brom.* 221.—S. Brazil.— $\frac{1}{4}$.

setacea *Sw.*—*Bak. Brom.* 175; *Ref. Bot.* t. 288; *B. M.* t. 3275.—Mexico to S. Brazil.— $\frac{1}{4}$.

TILLANDSIA (*continued*).

stricta Sol.—*Bak. Brom.* 198; *B. M. t.* 1529.—S. America.
— $\frac{1}{2}$. May–June.

usneoides L.—*Bak. Brom.* 159; *B. M. t.* 6309.—Florida,
Mexico to Chili and S. Brazil.— $\frac{1}{2}$. May.

vestita Schlecht. & Cham.—*Bak. Brom.* 170.—Central
Mexico.— $\frac{1}{2}$.

xiphioides Ker.—*Bak. Brom.* 164; *B. M. t.* 5562.—Uruguay,
Argentina.— $\frac{1}{2}$. May–June.

TIPUANA Benth.—*N. Pff.* iii. 3. 338.—Leguminosæ–Papilionatæ
–Dalbergiæ.

speciosa Benth.—*N. Pff. l. c.*—Bolivia.— $\frac{1}{2}$. June.

TITHONIA Desf.—*N. Pff.* iv. 5. 235.—Compositæ–Heliantheæ–
Verbesininae.

diversifolia A. Gray.—*Mirasolia diversifolia* Hemsl.—
Mexico.— $\frac{1}{2}$. June.

‡**TODEA** Willd.—*N. Pff.* i. 4. 377.—Osmundaceæ.

barbara Moore.—*Hook. Syn. Fil.* 427; *Fl. Austr.* vii. 699;
Hdb. Fl. N. Zeald. 384.—New Zealand, Australia, S. Africa.
— $\frac{1}{2}$.

Tommasinia Bertol. = *Peucedanum*.

‡**TOONA** Endl.—*N. Pff.* iii. 4. 269.—Meliaceæ–Cedreloideæ–
Cedreleæ.

ciliata Roem.—*N. Pff. l. c.*—*Cedrela Toona* Roxb. *Fl. Brit.*
Ind. i. 568; *Wight, Ic.* t. 161; *Brandis, For. Fl.* 72. t. 14;
Ind. Trees 145.—India, Burma.— $\frac{1}{2}$. May.

sinensis Roem.—*N. Pff. l. c.*; *Schneider, Hdb. Laubh.* ii.
132.—China.— $\frac{1}{2}$.

TORENIA L.—*N. Pff.* iv. 3b. 79.—Scrophulariaceæ–Antirrhinoideæ–Gratioleæ.

flava Ham.—*DC.* x. 414; *Fl. Brit. Ind.* iv. 278; *B. M. t.*
6700.—India, Siam, China, Sumatra.— $\odot$.

Fournieri Linden.—*B. M. t.* 6747.—Cochin China.— $\odot$.

‡**TORREYA** Arn.—*N. Pff.* ii. 1. 111.—Taxaceæ–Taxoideæ.

californica Torrey.—*DC.* xvi. 2. 506; *Pilger, Taxac. (R. V. C.*
iv. 5.), 109.—*T. Myristica* Hook. fil. *B. M. t.* 4780.—
California.— $\frac{1}{2}$.

TORREYA (*continued*).

nucifera Sieb. & Zucc.—*DC.* xvi. 2. 505; *Sieb. & Zucc. Fl. Jap.* ii. 64. t. 129; *Pilger, Taxac. (R. V. C. iv. 5.)*, 105.—Japan.— $\frac{1}{2}$.

TOURNEFORTIA *L.*—*N. Pff.* iv. 3a. 91.—Borraginaceæ—Heliotropioideæ.

Messerschmidia *Sweet.*—*T. fruticosa* Ker. *DC.* ix. 528.—Teneriffe.— $\frac{1}{2}$. April–May.

scabrida *H. B. K.*—*DC.* ix. 518.—S. America.— $\frac{1}{2}$.

Toxicophlæa Harv. = *Acokanthera*.

TRACHELIUM *L.*—*N. Pff.* iv. 5. 53.—Campanulaceæ—Campanuloideæ—Campanuleæ.

cæruleum *L.*—*DC.* vii. 491; *Fl. d'It.* n. 3465.—Italy, Western Mediterranean region.— $\frac{1}{4}$. May–June.

TRACHELOSPERMUM *Lem.*—*N. Pff.* iv. 2. 173.—Apocynaceæ—Echitoideæ—Echitideæ.

jasminoides *Lem. Fl. d. S.* t. 615.—*Rhynchospermum jasm.* Lindl. *B. M.* t. 4737.—China, Japan.— $\frac{1}{2}$ §. June.

TRACHYCARPUS *Wendl.*—*N. Pff.* ii. 3. 32.—Palmæ—Coryphinae—Sabaleæ.

excelsa *Wendl.*—*Fl. Brit. Ind.* vi. 436; *Fl. d. S.* t. 2368; *Journ. Linn. Soc.* xxxvi. 168.—*Chamærops excelsa* Thunb.—*Kunth, En.* iii. 250.—*Cham. Fortunei* Hook. *B. M.* t. 5221.—*T. Fortunei* *Wendl.*—*Gard. Chron.* 1897, i. 405.—China, Japan.— $\frac{1}{2}$. April–May.

Martiana Hort. = *Takil*.

Takil *Beccari in Webbia*, 52.—Himalaya.— $\frac{1}{2}$.

Wagneriana Hort. *Winter.*—China?— $\frac{1}{2}$. May.

TRACHYSTEMON *Don.*—*N. Pff.* iv. 3a. 114.—Borraginaceæ—Borraginoideæ—Anchuseæ.

orientale *D. Don.*—*N. Pff. l. c.* fig. 45.—*Psilostemon or. L.* Boiss. *Fl. Or.* iv. 177.—Asia Minor.— $\frac{1}{4}$. March.

TRADESCANTIA *L.*—*N. Pff.* ii. 4. 68.—Commelinaceæ.

Crassula *Link & Otto.*—*B. M.* t. 2935; *Lodd. B. C.* t. 1560. Brazil.— $\frac{1}{4}$. June–December.

navicularis *Ortgies.*—*Nich. Dict.* 65.—Peru.— $\frac{1}{4}$. May–September.

TREVESIA Vis.—*N. Pff.* iii. 8. 32.—*Araliaceæ*—*Schefflereæ*.

palmata Vis.—*Fl. Brit. Ind.* ii. 732; *B. M.* t. 7008.—*Gilbertia palm.* DC. iv. 256.—*Gastonia palmata* Roxb.—Eastern Himalaya.—½. April–May.

‡**TRICHILIA** L.—*N. Pff.* iii. 4. 305.—*Meliaceæ*—*Melioideæ*—*Trichilieæ*.

havanensis Jacq.—*DC.* i. 622; *N. Pff.* l. c. 306.—W. Indies, Mexico.—½. March–April.

TRICHOSANTHES L.—*N. Pff.* iv. 5. 31.—*Cucurbitaceæ*—*Cucurbiteæ*—*Trichosanthinæ*.

Anguina L.—*DC.* iii. 314; *Fl. Brit. Ind.* ii. 610; *B. M.* t. 722; *Nich. Dict.* fig. 98.—*T. colubrina* Jacq. *Fl. d. S. t.* 305.—India, China, Malaya.—☉ §. Summer.

colubrina Jacq. = *Anguina*.

cucumerina L.—*DC.* iii. 315; *Fl. Brit. Ind.* ii. 609.—Japan, Formosa, India, Malaya, N. Australia.—☉ §. Summer.

Kirilowii Max.—*Nich. Dict. Gard.* 85; *Journ. Linn. Soc.* xxiii. 313.—N. W. Asia.—¼ §.

palmata Roxb.—*Fl. Brit. Ind.* ii. 606; *Wight, Ill.* t. 104–5; *B. M.* t. 6873.—Japan, China, India, Malaya, N. Australia.—☉ §.

TRICHOSPORUM Don.—*N. Pff.* iv. 3b. 152.—*Gesneriaceæ*—*Cyrtandroideæ*—*Trichosporeæ*.

parasiticum O. Ktze.—*N. Pff.* l. c.—*Æschynanthus grandiflora* Don. *DC.* ix. 261.—*Fl. Brit. Ind.* iv. 338; *B. M.* t. 3843.—India.—¼. November–January.

Tricuspidaria dependens Ruiz & Pav. = *Crinodendron Patagua* Mol.

TRIFOLIUM L.—*N. Pff.* iii. 3. 249.—*Leguminosæ*—*Papilionatæ*—*Trifolieæ*.

pannonicum L.—*DC.* ii. 193; *Fl. d'It.* n. 1996.—S.E. Europe.—¼. May–June.

TRIPTERIS Less.—*N. Pff.* iv. 5. 306.—*Compositæ*—*Calenduleæ*.

tomentosa Less.—*DC.* vi. 457; *Fl. Cap.* iii. 430.—S. Africa.—¼.

TRISETUM Pers.—*N. Pff.* ii. 2. 54.—*Gramineæ*—*Aveneæ*.

rigidum R. & Sch.—*Kunth, En.* i. 297; *Boiss. Fl. Or.* v. 538.—Caucasus, Orient.—¼.

† **TRISTANIA** *R. Br.*—*N. Pff.* iii. 7. 88.—Myrtaceæ—Leptospermoideæ—Leptospermeæ—Metrosiderinæ.

conferta *R. Br.*—*DC.* iii. 210; *Fl. Austr.* iii. 263; *Bossche, Ic. Sel.* t. 38.—Eastern Australia.—½. July–August.

densiflora *Carr.*—*Nich. Dict. Suppl.* 716.—Australia.—½.

neriifolia *R. Br.*—*DC.* iii. 210; *Fl. Austr.* iii. 262; *Lodd. B. C.* t. 157.—N. S. Wales.—½.

suaveolens *Sm.*—*DC.* iii. 210; *Fl. Austr.* iii. 262.—Eastern Australia.—½.

† **TRITHRINAX** *Mart.*—*N. Pff.* ii. 3. 34.—Palmæ—Coryphinæ—Sabaleæ.

brasiliensis *Mart.*—*N. Pff. l. c.*; *Nich. Dict.* 94.—S. Brazil.—½.

TRITONIA *Ker.*—*N. Pff.* ii. 5. 155.—Iridaceæ—Ixioidæ—Gladiolæ.

crocata *Ker.*—*Bak. Irid.* 190; *Fl. Cap.* vi. 119; *B. M.* t. 184. t. 609; *Jacq. H. Sch.* t. 24, sub *Ixia*.—S. Africa.—¼. May.

lineata *Ker.*—*Bak. Irid.* 194; *Fl. Cap.* vi. 125; *B. M.* t. 487; *Red. Lil.* t. 55. 400, as *Gladiolus*.—S. Africa.—¼. May.

Pottsii *Benth.*—*Bak. Irid.* 195; *Fl. Cap.* vi. 127; *B. M.* t. 6722.—*Montbretia Pottsii* *Bak.*—S. Africa.—¼. May.

TROPÆOLUM *L.*—*N. Pff.* iii. 4. 26.—Tropæolaceæ.

azureum *Miers.*—*Buchenau, Tropæol. (R. V. C.* iv. 131.), 31. fig. 14.—*T. violæflorum* *Dietr. Fl. d. S.* t. 7. and 1106.—Chili.—¼ §.

brachyceras *Hook. & Arn.*—*B. M.* t. 3851; *Buchenau, Tropæol. (R. V. C.* iv. 131.), 33.—*Fl. d. S.* t. 368.—Chili.—¼ §. March.

majus *L.*—*DC.* i. 683; *Buchenau, Tropæol. (R. V. C.* iv. 131.), 21; *B. M.* t. 23.—Peru, Ecuador, Colombia.—☉ §. Nearly always.

pentaphyllum *Lam.*—*DC.* i. 684; *Buchenau, Tropæol. (R. V. C.* iv. 131.), 30; *B. M.* t. 3190; *Lodd. B. C.* t. 1989.—Bolivia, Brazil, Argentina.—¼ §. April–May.

polyphyllum *Cav.*—*DC.* i. 684; *Buchenau, Tropæol. (R. V. C.* iv. 131.), 19. fig. 7; *B. M.* t. 4042.—Chili, Argentina.—¼ §.

TROPÆOLUM (*continued*).

tricolor Sweet.—*Buchenau, Tropæol.* (*R. V. C.* iv. 131.), 31. fig. 13.—*T. elegans* G. Don. *B. M.* t. 3169.—*T. pallescens* Barn. *Fl. d. S.* t. 369.—Bolivia, Chili.— $\mathcal{U}$ §.

TUBERARIA Spach.—*N. Pff.* iii. 6. 306, under *Helianthemum*.—Cistaceæ.

melastomatifolia Grosser, *Cist.* (*R. V. C.* iv. 193.), 52.—*Helianthemum Tuberaria* Mill. *DC.* i. 270; Sweet, *Cist.* t. 18.—Western Mediterranean region.— $\mathcal{U}$. May–June.

TULBAGHIA L.—*N. Pff.* ii. 5. 54.—Liliaceæ–Allioideæ–Agapanthiæ.

violacea Harv. in *B. M.* t. 3555; *Kunth, En.* iv. 485; *Fl. Cap.* vi. 407.—S. Africa.— $\mathcal{U}$. May–October.

TULIPA L.—*N. Pff.* ii. 5. 62.—Liliaceæ–Lilioideæ–Tulipeæ.

acuminata Vahl.—*Nich. Dict.* fig. 117.—*T. turcica* Roth, *Kunth, En.* iv. 221.—*T. cornuta* Red. *Lil.* t. 445.—Orient?— $\mathcal{U}$. April.

Clusiana DC.—*Red. Lil.* t. 37; *B. M.* t. 1390; *Kunth, En.* iv. 223; *Boiss. Fl. Or.* v. 194; *Fl. d'It.* n. 626.—S. Europe, Orient.— $\mathcal{U}$. April.

Gesneriana L.—*Kunth, En.* iv. 221; *B. M.* t. 1135; *Boiss. Fl. Or.* v. 194; *Fl. d'It.* n. 629.—Western and Central Asia.— $\mathcal{U}$. April–May.

Greigii Regel.—*B. M.* t. 6177; *Fl. d. S.* t. 2261; *Boiss. Fl. Or.* v. 196.—Turkestan.— $\mathcal{U}$.

humilis Herb.—*Boiss. Fl. Or.* v. 199.—Persia.— $\mathcal{U}$. March.

præcox Ten.—*Kunth, En.* iv. 223; *Boiss. Fl. Or.* v. 192; *Fl. d'It.* n. 627 γ .—Palestine, Greece, Italy.— $\mathcal{U}$. March.

saxatilis Sieb.—*Kunth, En.* iv. 226; *Boiss. Fl. Or.* v. 196; *Fl. d'It.* n. 625; *B. M.* t. 6374.—Crete, Asia Minor.— $\mathcal{U}$. March.

sylvestris L.—*Kunth, En.* iv. 224; *Fl. d'It.* n. 624; *B. M.* t. 1902.—Europe, Mediterranean region.— $\mathcal{U}$. March.

„ var. **australis** (*Link*).—*Fl. d'It.* n. 624 β .—*T. Celsiana* Red. *Lil.* t. 38; *Kunth, En.* iv. 224.—*T. fragrans* Munby.—Italy, N. Africa.— $\mathcal{U}$. March–April.

undulatifolia Boiss. *Fl. Or.* v. 195; *B. M.* t. 6308.—Asia Minor.— $\mathcal{U}$. April.

† **TUPIDANTHUS** *Hook. f. & Thoms.*—*N. Pff.* iii. 8. 28.—*Araliaceæ*—*Schefflereæ*.

calyptratus *Hook. f. & Thoms.*—*B. M. t.* 4908; *Fl. Brit. Ind.* ii. 740.—*India.*— $\frac{1}{2}$.

ULEX *L.*—*N. Pff.* iii. 3. 238.—*Leguminosæ*—*Papilionatæ*—*Genisteæ*.

europæus *L.*—*DC.* ii. 144; *Gren. & Godr. Fl. Fr.* i. 344; *Fl. d'It.* n. 1904.—*Western Europe.*— $\frac{1}{2}$. February–March.

nanus *Smith.*—*DC.* ii. 144; *Gren. & Godr. Fl. Fr.* i. 345.—*England, Western France.*— $\frac{1}{2}$. January–March.

ULMUS *L.*—*N. Pff.* iii. 1. 62.—*Ulmaceæ*—*Ulmoideæ*.

***campestris** *L.*—*DC.* xvii. 156; *Fl. d'It.* n. 910.—*Europe, N. Asia.*— $\frac{1}{2}$. March.

† **UMBELLULARIA** *Nutt.*—*N. Pff.* iii. 2. 116.—*Lauraceæ*—*Persoideæ*—*Cinnamomeæ*.

californica *Nutt.*—*N. Pff. l. c.*—*Oreodaphne californica* *Nees*; *B. M. t.* 5230.—*Tetranthera cal.* *Hook. & Arn. DC.* xv. 1. 192.—*California.*— $\frac{1}{2}$.

UMBILICUS *DC.*—*N. Pff.* iii. 2a. 33, under *Cotyledon*—*Crasulaceæ*.

Aizoon *Fenzl.*—*Boiss. Fl. Or.* ii. 774.—*Asia Minor.*— $\frac{1}{4}$.

chrysanthus *Boiss. & Heldr.*—*Fl. Or.* ii. 773; *Nich. Dict.* 388. fig. 536, as *Cotyledon*.—*Orient.*— $\frac{1}{4}$.

horizontalis *DC.* iii. 400; *Fl. d'It.* n. 1698, as *Cotyledon*.—*Mediterranean region.*— $\frac{1}{4}$. April–June.

***pendulinus** *DC.* iii. 400; *Fl. d'It.* n. 1697, as *Cotyledon*.—*Mediterranean region, N. Africa.*— $\frac{1}{4}$. April–June.

Pestalozzæ *Boiss. Fl. Or.* ii. 771.—*Asia Minor.*— $\frac{1}{4}$. April–May.

Sempervivum *DC.* iii. 399; *Boiss. Fl. Or.* ii. 771.—*Nich. Dict.* fig. 537, as *Cotyledon*.—*E. Caucasus, N. Persia.*— $\frac{1}{4}$.

spinosus *DC.* iii. 400; *Ledeb. Fl. Ross.* ii. 174; *Fl. d. S.* t. 1894.—*Siberia, China.*— $\frac{1}{4}$.

UNGNADIA *Endl.*—*N. Pff.* iii. 5. 365.—*Sapindaceæ*—*Harpullieæ*.

speciosa *Endl.*—*N. Pff. l. c.*—*Northern Mexico, Texas.*— $\frac{1}{2}$.

UNIOLA *L.*—*N. Pff.* ii. 2. 71.—*Gramineæ*—*Festuceæ*.

latifolia *L.*—*Kunth, En.* i. 424; *Gray, Man. Bot. N. U. S.* 567.—*N. America.*— $\frac{1}{4}$. June–July.

URBINIA *Rose* in *Bull. N. York Bot. Gard.* iii. 11.—Crasulaceæ.

Purpusii *Rose*, *l. c.*—Mexico.— $\mathcal{U}$.

‡ **URGINEA** *Steinh.*—*N. Pff.* ii. 5. 65.—Liliaceæ—Lilioideæ—Scilleæ.

maritima *Bak.*—*Fl. d'It.* n. 657.—*U. Scilla* *Steinh. Kunth, En.* iv. 332.—*Scilla maritima* *L. Red. Lil.* t. 116.—Mediterranean region, Canaries.— $\mathcal{U}$. July–August.

undulata *Steinh.*—*Kunth, En.* iv. 334; *Fl. d'It.* n. 658.—*Scilla undulata* *Desf. Fl. Atl.* i. 300. t. 87.—N. Africa, Sardinia, Corsica.— $\mathcal{U}$.

VALERIANA *L.*—*N. Pff.* iv. 4. 178.—Valerianaceæ.

Phu *L.*—*DC.* iv. 637; *Boiss. Fl. Or.* iii. 88; *Fl. d'It.* n. 3329—Caucasus, Siberia, Armenia.— $\mathcal{U}$. May–June.

VALLISNERIA *Michx.*—*N. Pff.* ii. 1. 251.—Hydrocharitaceæ—Vallisnerioideæ—Vallisneriæ.

spiralis *L.*—*Fl. d'It.* n. 563.—Tropical and temperate regions.— $\mathcal{U}$.

VALLOTA *Herb.*—*N. Pff.* ii. 5. 106.—Amaryllidaceæ—Amaryllidoideæ—Amaryllideæ.

purpurea *Herb.*—*Kunth, En.* v. 531; *Bak. Am.* 53; *Fl. Cap.* vi. 218.—*Amaryllis purpurea* *B. M.* t. 1430.—*A. elata* *Jacq. H. Sch.* t. 62.—S. Africa.— $\mathcal{U}$. June.

Vasconcellea *St. Hil.* = *Carica*.

VELLOZIA *Vandelli.*—*N. Pff.* ii. 5. 127.—Velloziaceæ.

elegans *Oliver.*—*B. M.* t. 5803; *Fl. Cap.* vi. 245.—Natal.— $\mathcal{U}$.

VELTHEIMIA *Gleditsch.*—*N. Pff.* ii. 5. 69.—Liliaceæ—Lilioideæ—Scilleæ.

glauca *Jacq. H. Sch.* t. 77; *Kunth, En.* iv. 282; *Fl. Cap.* vi. 471; *B. M.* t. 1091; *Red. Lil.* t. 440.—S. Africa.— $\mathcal{U}$.

viridifolia *Jacq. H. Sch.* t. 78; *Kunth, En.* iv. 281; *Fl. Cap.* vi. 471; *Lodd. B. C.* t. 1245; *B. M.* t. 501; *Red. Lil.* t. 193.—S. Africa.— $\mathcal{U}$. November.

VENIDIUM *Less.*—*N. Pff.* iv. 5. 308, under *Arctotis*.—Compositæ—Arctotideæ—Arctotidinæ.

decurrens *Less.*—*DC.* vi. 492; *Fl. Cap.* iii. 461.—S. Africa.— $\odot$. March–April.

VERBASCUM *L.*—*N. Pff.* iv. 3*b*. 50.—Scrophulariaceæ-Pseudosolaneæ-Verbasceæ.

***Boerhavi** *L.*—*DC.* x. 231; *Fl. d'It.* n. 2893.—S. Europe.—⊕. May.

olympicum *Boiss. Fl. Or.* iv. 323.—Orient.— $\mathcal{U}$. May.

phœniceum *L.*—*DC.* x. 242; *Fl. d'It.* n. 2898; *Lodd. B. C.* t. 637.—S. Europe, Central Asia.—⊕ $\mathcal{U}$. April-May.

***sinuatum** *L.*—*DC.* x. 234; *Fl. d'It.* n. 2895.—Mediterranean region.— $\mathcal{U}$. April-September.

speciosum *Schrad.*—*DC.* x. 236; *Boiss. Fl. Or.* iv. 325.—S. Europe, Orient.—⊕.

VERBENA *L.*—*N. Pff.* iv. 3*a*. 146.—Verbenaceæ-Verbenoideæ-Euverbeneæ.

Aubletia *L.*—*B. M.* t. 308; *DC.* xi. 554; *Gray, Man. Bot. N. U. S.* 299.—N. America.— $\mathcal{U}$. All the year.

bonariensis *L.*—*DC.* xi. 541; *Dill. Hort. Elth.* fig. 387.—S. America, S. Africa, &c.— $\mathcal{U}$.

chamædryfolia *Juss.*—*DC.* xi. 537; *B. M.* t. 3333.—*V. Melindres* *Gill. Lodd. B. C.* t. 1514.—Argentina, S. Brazil.— $\mathcal{U}$. April-June.

erinoides *Lam.*—*DC.* xi. 552.—S. Brazil, Peru.—⊙. April-June.

hispida *Ruiz & Pav.*—*DC.* xi. 542.—Bolivia, Peru, Chili.— $\mathcal{U}$. June-August.

incisa *Hook.* in *B. M.* t. 3628; *DC.* xi. 538.—S. Brazil.— $\mathcal{U}$.

paniculata *Lam.*—*DC.* xi. 545.—N. America.— $\mathcal{U}$.

tenera *Spreng.*—*DC.* xi. 552.—S. Brazil.— $\mathcal{U}$.

VERBESINA *L.*—*N. Pff.* iv. 5. 238.—Compositæ-Heliantheæ-Verbesininæ.

diversifolia—*DC.* v. 615.—Costa Rica.— $\mathcal{h}$. November-January.—(*Wercklé*, 1905.)

helianthoides *H. B. K.*—*DC.* v. 613.—N. and S. America.— $\mathcal{U}$.

virginica *L.*—*DC.* v. 616.—Atlantic N. America.— $\mathcal{U}$. September-October.

VERNONIA *Schreb.*—*N. Pff.* iv. 5. 124.—Compositæ-Vernoniæ-Vernoninæ.

mespilifolia *Less.*—*DC.* v. 29; *Fl. Cap.* iii. 50.—S. Africa.— $\mathcal{h}$.

pectoralis *Bak.*—*Journ. Bot.* xx. 1882, 139.—Madagascar.

spec. ?—Costa Rica.—(*Wercklé*, 1905).— $\mathcal{h}$.

‡ **VERONICA** *L.*—*N. Pff.* iv. 3b. 85.—Scrophulariaceæ—Rhinanthoideæ—Digitaleæ.

Andersonii *Lindl.*—*Fl. d. S.* t. 658.—Garden origin.— $\frac{1}{2}$. All the year.

austriaca *L.*—*DC.* x. 470; *Boiss. Fl. Or.* iv. 449; *Fl. d'It.* n. 2950 γ .—S. Europe, Asia Minor.— $\frac{1}{4}$. May–June.

buxifolia *Benth.* in *DC.* x. 462; *Hdb. Fl. N. Zeald.* 210.—New Zealand.— $\frac{1}{2}$.

carnosula *Hook. fil.* *Hdb. Fl. N. Zeald.* 210.—New Zealand.— $\frac{1}{2}$.

Dieffenbachii *Benth.* in *DC.* x. 459; *Hdb. Fl. N. Zeald.* 206; *B. M.* t. 7656.—New Zealand.— $\frac{1}{4}$.

Hulkeana *F. Muell.*—*Hdb. Fl. N. Zeald.* 213.—New Zealand.— $\frac{1}{2}$. April–May.

incana *L.*—*DC.* x. 466; *Boiss. Fl. Or.* iv. 456.—S. E. Europe, N. Asia.— $\frac{1}{4}$. May–June.

longifolia *L.*—*DC.* x. 465; *Fl. d'It.* n. 2958.—Europe, Asia Minor, Siberia.— $\frac{1}{4}$. May–June.

salicifolia *Forst.*—*DC.* x. 459; *Hdb. Fl. N. Zeald.* 207.—New Zealand.— $\frac{1}{2}$. All the year.

Traversii *Hook. fil.* *Hdb. Fl. N. Zeald.* 208; *B. M.* t. 6390.—New Zealand.— $\frac{1}{2}$. May–June.

verrucosa *Hook. fil.* *Hdb. Fl. N. Zeald.* 208.—New Zealand.— $\frac{1}{2}$.

virginica *L.*—*DC.* x. 463; *Gray, Man. Bot. N. U. S.*—N. America.— $\frac{1}{4}$. June.

VIBURNUM *L.*—*N. Pff.* iv. 4. 163.—Caprifoliaceæ—Viburneæ.

betulifolium *Batal.*—*Schneider, Hdb. Laubh.* ii. 648.—China (*Wilson*, n. 590, 669, 1262, 1263a).— $\frac{1}{2}$.

Charlesii *Hemsl.* in *Journ. Linn. Soc.* xxiii. 350; *B. M.* t. 8114.—Korea.— $\frac{1}{2}$.

cotinifolium *D. Don.*—*DC.* iv. 327; *Fl. Brit. Ind.* iii. 3; *Wight, Ill.* t. 121; *Brandis, For. Fl.* 258.—India.— $\frac{1}{2}$. April–May.

cylindricum *Hamilt.*—*Schneider, Hdb. Laubh.* ii. 654.—India, China (*Wilson*, n. 697).— $\frac{1}{2}$.

dasyanthum *Rehd.*—*Schneider, Hdb. Laubh.* ii. 647.—China (*Wilson*, n. 463, 467).— $\frac{1}{2}$.

Davidii *Franch.*—*Schneider, Hdb. Laubh.* ii. 652.—China (*Wilson*, n. 963).— $\frac{1}{2}$.

dilatatum *Thunb.*—*DC.* iv. 329; *Schneider, Hdb. Laubh.* ii. 645.—Japan.— $\frac{1}{2}$.

VIBURNUM (*continued*).

foetidum Wall.—DC. iv. 325; *Fl. Brit. Ind.* iii. 4.—India, China (Wilson, n. 1360).— $\frac{1}{2}$.

„ var. **rectangulum** Rehd.—Schneider, *Hdb. Laubh.* ii. 643.—China (Wilson, n. 1131).— $\frac{1}{2}$.

hupehense Rehd.—Schneider, *Hdb. Laubh.* ii. 649.—China (Wilson, n. 237).— $\frac{1}{2}$.

ichangense Rehd.—*Journ. Linn. Soc.* xxiii. 352; Schneider, *Hdb. Laubh.* ii. 650.—China (Wilson, n. 221, 228, 239, 392).— $\frac{1}{2}$.

odoratissimum Ker.—DC. iv. 326; *Benth. Fl. Hongk.* 143; *Fl. Brit. Ind.* iii. 7.—India, Burma, China, Japan.— $\frac{1}{2}$.

Opulus L. var. **sterilis** DC. iv. 328; *Fl. d'It.* n. 3315.—Europe.— $\frac{1}{2}$. May–June.

plicatum Thunb.—DC. iv. 329; *Sieb. & Zucc. Fl. Jap.* t. 37; *Fl. d. S.* t. 278; *Gard. Chron.* 1901, ii. 320.—Japan.— $\frac{1}{2}$. April.

propinquum Hemsl. in *Journ. Linn. Soc.* xxiii. 355; Schneider, *Hdb. Laubh.* ii. 652.—China (Wilson, n. 498).— $\frac{1}{2}$.

rigidum Vent. *J. Malm.* t. 98.—*V. rugosum* Pers.—DC. iv. 124; *B. M.* t. 2082; *Lodd. B. C.* t. 859.—Canaries.— $\frac{1}{2}$.

Sandankwa Hassk.—*B. M.* t. 6172; *Journ. Linn. Soc.* xxiii. 355.—China.— $\frac{1}{2}$. March–April.

Sargenti Koehne.—Schneider, *Hdb. Laubh.* ii. 640.—Japan, Manchuria, China (Wilson, n. 281).— $\frac{1}{2}$.

suspensum Lindl. = *Sandankwa*.

theiferum Rehd.—Schneider, *Hdb. Laubh.* ii. 645.—China (Wilson, n. 236).— $\frac{1}{2}$.

Tinus L.—DC. iv. 324; *Fl. d'It.* n. 3313.—Mediterranean region.— $\frac{1}{2}$. February–April.

tomentosum Thunb.—DC. iv. 329; *Journ. Linn. Soc.* xxiii. 356.—Japan, China (Wilson, n. 117, 234).— $\frac{1}{2}$.

Veitchii C. H. Wright in *Gard. Chron.* 1903, i. 257.—China (Wilson, n. 1288).— $\frac{1}{2}$.

Wilsonii Rehd.—Schneider, *Hdb. Laubh.* ii. 647.—China (Wilson, n. 1120).— $\frac{1}{2}$.

VILLARSIA Vent.—*N. Pff.* iv. 2. 106.—Gentianaceæ—Menyanthoideæ—Menyantheæ.

reniformis R. Br.—*Fl. Austr.* iv. 376.—*Menyanthes exaltata* Sol. *B. M.* t. 1029.—Australia, Tasmania.— $\frac{1}{4}$.

VIMINARIA Sm.—*N. Pff.* iii. 3. 209.—Leguminosæ—Papilionatæ—Podalyriæ.

denudata Sm. — *DC.* ii. 107; *Fl. Austr.* ii. 68; *B. M.* t. 1190; *Bossche, Ic. Sel.* t. 32.—*N. S. Wales, Victoria, Tasmania, S. and W. Australia.*— $\frac{1}{2}$. May–June.

VINCA L.—*N. Pff.* iv. 2. 145. — Apocynaceæ—Plumieroidæ—Plumiereæ—Alstoniinae.

difformis Pourr.—*Fl. d'It.* n. 2735.—*V. media* Hffgg. & Lk. *DC.* viii. 384.—*V. acutiflora* Bert.—Mediterranean region.— $\frac{1}{4}$. February–April.

major L.—*DC.* viii. 384; *Fl. d'It.* n. 2734.—Mediterranean region.— $\frac{1}{4}$. February–April.

minor L.—*DC.* viii. 383; *Fl. d'It.* n. 2736.—Central and South Europe.— $\frac{1}{4}$. March–June.

rosea L. = *Lochnera rosea* Reichb.

VINCETOXICUM Moench.—*N. Pff.* iv. 2. 251, under *Cynanchum*. —Asclepiadaceæ—Cynanchoidæ—Asclepiadeæ—Cynanchinae.

atratum Morr. & Decne.—*DC.* viii. 523.—*N. China, Japan.*— $\frac{1}{4}$. June–August.

fuscatum Reichb.—*Boiss. Fl. Or.* iv. 55; *Fl. d'It.* n. 2742 δ . —Orient, Dalmatia.— $\frac{1}{4}$. May–June.

japonicum Morr. & Decne.—*DC.* viii. 524.—Japan.— $\frac{1}{4}$.

medium Decne.—*DC.* viii. 523; *Boiss. Fl. Or.* iv. 55.—Caucasus, Persia.— $\frac{1}{4}$.

nigrum Moench.—*DC.* viii. 524; *Boiss. Fl. Or.* iv. 53; *Fl. d'It.* n. 2741.—S. Europe, Asia Minor.— $\frac{1}{4}$. May–June.

VIOLA L.—*N. Pff.* iii. 6. 334.—Violaceæ—Violeæ.

***alba** Bess.—*Fl. d'It.* n. 1294 δ .—Istria, Italy, Corsica.— $\frac{1}{4}$. February–March.

cornuta L.—*B. M.* t. 791; *DC.* i. 301; *W. & Lge. Fl. Hisp.* iii. 700.—Pyrenees.— $\frac{1}{4}$. April–May.

odorata L.—*DC.* i. 296; *Fl. d'It.* n. 1294 α .—Europe, Africa, N. Asia.— $\frac{1}{4}$. January–April.

***tricolor** L.—*DC.* i. 303; *Fl. d'It.* n. 1301.—Europe, Asia, N. America.— $\odot$. April–June.

„ var. **hortensis** *DC.* i. 303; *Fl. d'It.* n. 1301 δ .—Garden origin. — (“Pansy”; “Pensiero.”) — $\odot$. March–April.

Virgilia aurea Lam. = *Calpurnia aurea*.

VISNEA *L. f.*—*N. Pff.* iii. 6. 190.—Theaceæ—Ternstroëmiæ.

Mocanera *L. f.*—*DC.* xvii. 298; *Nich. Dict.* fig. 200.—Canaries.
— $\frac{1}{2}$. April–May.

VITEX *L.*—*N. Pff.* iv. 3a. 170.—Verbenaceæ—Viticoideæ—Viticeæ.

***Agnus-castus** *L.*—*DC.* xi. 684; *Fl. d'It.* n. 3217; *Moggr. Fl. Ment.* t. 14.—Mediterranean region, Central Asia.— $\frac{1}{2}$.
August–October.

incisa Lam. = *Negundo* L.

Negundo *L.*—*DC.* xi. 684; *Fl. Brit. Ind.* iv. 583; *Wight, Ic.* t. 519.—Tropical Asia.— $\frac{1}{2}$. June–July.

„ var. *incisa* C. B. Clarke.—*Fl. Brit. Ind.* iv. 584;
DC. xi. 684; *B. M.* t. 364.—India, E. Asia.— $\frac{1}{2}$.
June–July.

‡**VITIS** *Tourn.*—*N. Pff.* iii. 5. 442.—Vitaceæ—Vitoideæ.

antarctica Benth. = *Cissus Baudiniana*.

armata *Diels & Gilg* var. **cyanocarpa** *Gagnep.*—*Schneider, Hdb. Laubh.* ii. 303.—China (*Wilson*, n. 291, 409, 603).— $\frac{1}{2}$ §.

betulifolia *Diels & Gilg* in *Engl. Bot. Jahrb.* xxix. 460; *Schneider, Hdb. Laubh.* ii. 303.—China (*Wilson*, n. 77, 134, 1046a).— $\frac{1}{2}$ §.

flexuosa *Thunb.*—*DC.* i. 634; *Schneider, Hdb. Laubh.* ii. 309.—Japan to Malaya (*Wilson*, n. 170).— $\frac{1}{2}$ §.

Henryana *Hemsl.* in *Journ. Linn. Soc.* xxiii. 132.—*Psedera Henryana* C. K. *Schneider, Hdb. Laubh.* ii. 318.—China.— $\frac{1}{2}$ §.

heterophylla *Thunb.* = *Ampelopsis heterophylla*.

Hookeri *Laws.*—*Fl. Brit. Ind.* i. 661; *Brandis, Ind. Trees*, 178.—Himalaya, Java.— $\frac{1}{2}$ §.

inconstans *Miq.* = *Parthenocissus tricuspidata* *Planch.*

Labrusca *L.*—*DC.* i. 634; *N. Pff.* l. c. 443. fig. 215; *Fl. d'It.* n. 2440.—N. America, Japan, China.— $\frac{1}{2}$ §. May–June.

oblonga *Benth.* *Fl. Austr.* i. 447.—Queensland.— $\frac{1}{2}$ §.

pentagona *Diels & Gilg.*—*Schneider, Hdb. Laubh.* ii. 306.—China (*Wilson*, n. 77, 134, 1046a).— $\frac{1}{2}$ §.

Piasezkii *Maxim.*—*Schneider, Hdb. Laubh.* ii. 303.—China (*Wilson*, n. 215, 248).— $\frac{1}{2}$ §.

pterophora *Bak.* = *Cissus gongylodes*.

reticulata *Thwaites.*—*Fl. Brit. Ind.* i. 655.—Ceylon, China (*Wilson*, n. 250, 378).— $\frac{1}{2}$ §.

VITIS (*continued*).

striata *Miq.* var. **viridis**.—*Nich. Dict.* 188.—S. Brazil, Uruguay.— $\frac{1}{2}$ §.

vinifera *L.*—*DC.* i. 633 ; *Fl. d'It.* n. 2436.—Mediterranean region.— $\frac{1}{2}$ §. May.

Voinieriana *Hort.*—*Kew Bull.* 1898, *App.* 53 ; *Nich. Dict. Suppl.* 738.—China.— $\frac{1}{2}$ §.

Vittadinia triloba *Hort.* = *Erigeron mucronatus* *DC.*

WACHENDORFIA *L.*—*N. Pff.* ii. 5. 96.—Hæmodoraceæ.

hirsuta *Thunb.*—*Fl. Cap.* vi. 2 ; *B. M.* t. 614.—S. Africa.— $\frac{1}{4}$. April.

WALLICHIA *Roxb.*—*N. Pff.* ii. 3. 55.—Palmæ—Ceroxylinæ—Arecinæ—Caryotæ.

caryotoides *Roxb.*—*Fl. Brit. Ind.* vi. 419 ; *Nich. Dict.* fig. 210.—Burma.— $\frac{1}{2}$.

‡ **WASHINGTONIA** *Wendl.*—*N. Pff. Nachtr.* i. 51.—Palmæ—Coryphinæ—Sabaleæ.

filifera *Wendl.*—*Bot. Gaz.* 1907, ii. 418.—S. California.— $\frac{1}{2}$. June.

„ var. **microsperma** *Beccari.*—*Bot. Gaz.* l. c. 420.— $\frac{1}{2}$. June.

„ var. **robusta** (*Wendl.*) *Parish, Bot. Gaz.* l. c. 420.— $\frac{1}{2}$.

gracilis *Parish, Bot. Gaz.* 1907, ii. 420.—S. or Lower California.— $\frac{1}{2}$.

sonoræ *Wats.*—*Bot. Gaz.* 1907, ii. 422.—Lower California.— $\frac{1}{2}$.

WATSONIA *Mill.*—*N. Pff.* ii. 5. 157.—Iridaceæ—Ixioideæ—Watsoniæ.

Meriana *Mill.*—*Bak. Irid.* 175 ; *Fl. Cap.* vi. 101.—*B. M.* t. 418 ; *Red. Lil.* t. 11.—S. Africa.— $\frac{1}{4}$. April.

Weigelia *Thunb.* = *Diervilla*.

WESTRINGIA *Sm.*—*N. Pff.* iv. 3a. 217.—Labiataë—Prostantheroideæ.

rosmariniformis *Sm.*—*DC.* xii. 570 ; *Fl. Austr.* v. 128.—N. S. Wales.— $\frac{1}{2}$. March–December.

‡ **WIGANDIA** *H. B. K.*—*N. Pff.* iv. 3a. 70.—Hydrophyllaceæ—Nameæ.

caracasana *H. B. K.*—*DC.* x. 184; *B. M.* t. 4575; *Fl. d. S.* t. 755.—Venezuela.— $\frac{1}{2}$. March–April.

urens *Chois.*—*DC.* x. 184; *Nich. Dict.* fig. 221.—Peru (Mexico?).— $\frac{1}{2}$. March–April.

WISTARIA *Nutt.*—*N. Pff. Nachtr.* i. 201.—Leguminosæ—Papilionatæ—Galegeæ—Tephrosiinaæ.

chinensis *DC.* ii. 390.—*B. M.* t. 2083; *Lodd. B. C.* t. 773. China.— $\frac{1}{2}$ §. April–May.

frutescens *DC.* ii. 390; *Gray, Man. Bot. N. U. S.* 96; *Schneider, Hdb. Laubh.* ii. 76; *B. M.* t. 2103.—N. America.— $\frac{1}{2}$ §. April–May.

WITHANIA *Pauq.*—*N. Pff.* iv. 3b. 19.—Solanaceæ—Solaneæ—Solaninaæ.

somnifera *Dun.*—*DC.* xiii. 1. 453; *Wight, Ic.* t. 853; *Fl. d'It.* n. 2876; *Fl. Cap.* iv. 2. 107.—Mediterranean region, India, S. Africa.— $\frac{1}{2}$. March–October.

WOODWARDIA *Sm.*—*N. Pff.* i. 4. 253.—Polypodiaceæ—Asplenieæ—Blechninaæ.

radicans *Sw.*—*Hook. Syn. Fil.* 188; *Fl. d'It.* n. 37.—Canaries, Mediterranean region, India, China, Japan, Central America, &c.— $\frac{1}{4}$.

‡ **XANTHORRHŒA** *Sm.*—*N. Pff.* ii. 5. 51.—Liliaceæ—Asphodeloideæ—Lomandreaæ.

arborescens *R. Br.*—*Fl. Austr.* vii. 115.—Queensland, N. S. Wales.— $\frac{1}{2}$.

Xanthoxylon Spreng. = *Zanthoxylum* L.

Xerotes R. Br. = *Lomandra* Labill.

XYLOSMA *G. Forst.*—*N. Pff.* iii. 6a. 39, *Nachtr.* i. 252.—Flacourtiaceæ—Flacourtieæ—Euflacourtieæ.

ciliatifolium *Eichl.*—*N. Pff.* l. c. 41.—S. Brazil.— $\frac{1}{2}$.

racemosum *Miq.*—*N. Pff.* l. c. 41.—*Myroxylon racemosum* O. Ktze.—Hong Kong.— $\frac{1}{2}$.

‡ **YUCCA** *L.*—*N. Pff.* ii. 5. 70.—Liliaceæ—Dracænoideæ—Yuccææ.

aloifolia *L.*—*Trel. Yucc. (Rept. Miss. B. G. 1902)*, 88. t. 49; *DC. Pl. Gr.* t. 20; *Red. Lil.* t. 401–2; *B. M.* t. 1700.—Mexico, &c.— $\frac{1}{2}$. June–July.

YUCCA (*continued*).

aloifolia var. **foliis variegatis**.— $\frac{1}{2}$. June–July.

„ var. **tricolor**.— $\frac{1}{2}$.

aloifolia $\times$ **recurva**.—Garden origin.— $\frac{1}{2}$.

angustifolia Pursh. = *glauca*.

arborescens Trel. = *Clistoyucca arborescens*.

australis Trel. *Yucc.* (*Rept. Miss. B. G.* 1902), 103. t. 60–61.

Y. filifera Chab. *B. M.* t. 7197.—Mexico.— $\frac{1}{2}$. July.

baccata Torr.—Trel. *Yucc.* (*Rept. Miss. B. G.* 1902), 109. t. 68–69.—Arizona, New Mexico.— $\frac{1}{2}$.

brevifolia Schott.—Trel. *Yucc.* (*Rept. Miss. B. G.* 1902), 100. t. 57–59.—Arizona.— $\frac{1}{2}$.

canaliculata Hook. = *Treculeana*.

constricta Buckley.—Trel. *Yucc.* (*Rept. Miss. B. G.* 1902), 54. t. 20–21.—Texas.— $\frac{1}{2}$.

decipiens Trel. *Rept. Miss. B. G.* 1907, 228. — Mexico.— $\frac{1}{2}$.

De Smetiana Bak.—Trel. *Yucc.* (*Rept. Miss. B. G.* 1902), 87. t. 48.—Mexico.— $\frac{1}{2}$.

elata Engelm. = *radiosa*.

elephantipes Regel.—Trel. *Yucc.* (*Rept. Miss. B. G.* 1902), 94. t. 51.—*Y. guatemalensis* Bak. *Ref. Bot.* t. 313; *Gard. Chron.* 1895, ii. 523. 525; *B. M.* t. 7997.—Central America.
 $\frac{1}{2}$. September–November.

„ var. **Ghiesbreghtii** Hort.—Trel. *Yucc. l. c.* 94.— $\frac{1}{2}$. September–November.

„ var. **gigantea**.—Trel. *Rept. Miss. B. G.* 1898, 141. t. 40–42, and 1902, 71, and 1907, 226.
— $\frac{1}{2}$. September–November.

Ellacombei Bak. = *gloriosa* v. *nobilis*.

filifera Chab. = *australis*.

flaccida Haw.—Trel. *Yucc.* (*Rept. Miss. B. G.* 1902), 49, t. 12–17; *Ref. Bot.* t. 323.—Southern United States.— $\frac{1}{4}$.
June–July.

„ var. **glaucescens** Trel. *l. c.* 51.—*B. M.* t. 6316.— $\frac{1}{4}$.

flexilis Carr.—Trel. *Yucc.* (*Rept. Miss. B. G.* 1902), 78. t. 47.
—Mexico.— $\frac{1}{2}$. July–September.

„ var. **Peacockii** Trel. *l. c.* 79.—*Kew Bull.* 1892, 8.—
 $\frac{1}{2}$. July–September.

glauca Nutt.—Trel. *Yucc.* (*Rept. Miss. B. G.* 1902), 59. t. 23–25.—*Y. angustifolia* Pursh. *B. M.* t. 2236.—Central United States.— $\frac{1}{2}$.

YUCCA (*continued*).

gloriosa L.—*Trel. Yucc.* (*Rept. Miss. B. G.* 1902), 72. t. 43–46.—Florida, S. Carolina.— $\frac{1}{2}$. July.

„ var. **nobilis** Carr. *Trel. Yucc. l. c.* 75.—*Y. Ellacombei* Bak. *R. B.* t. 317.— $\frac{1}{2}$. July–September.

„ var. **plicata** Carr.—*Trel. Yucc.* (*Rept. Miss. B. G.* 1902), 75.— $\frac{1}{2}$. September–February.

guatemalensis Bak. = *elephantipes*.

mohavensis Sarg.—*Trel. Yucc.* (*Rept. Miss. B. G.* 1902), 113. t. 68.—South Western United States, Lower California.— $\frac{1}{2}$.

Peacockii Bak. = *flexilis*.

radiosa *Trel. Yucc.* (*Rept. Miss. B. G.* 1902), 56. t. 21–22.—*B. M.* t. 7650, as *Y. elata* Engelm.—Southern Arizona, New Mexico, Northern Mexico.— $\frac{1}{2}$.

recurvifolia Salisb.—*Trel. Yucc.* (*Rept. Miss. B. G.* 1902), 76. t. 46–47; *Ref. Bot.* t. 321.—*Y. gloriosa recurvifolia* Engelm.—Georgia.— $\frac{1}{2}$. July–September.

„ var. **variegata** *Trel. Yucc. l. c.* 78.— $\frac{1}{2}$.

rigida *Trel. Yucc.* (*Rept. Miss. B. G.* 1902), 65. t. 35–36.—Mexico.— $\frac{1}{2}$.

rostrata Engelm.—*Trel. Yucc.* (*Rept. Miss. B. G.* 1902), 68. t. 36.—Northern Mexico.— $\frac{1}{2}$.

rupicola Scheele.—*Trel. Yucc.* (*Rept. Miss. B. G.* 1902), 67. t. 37–39; *B. M.* t. 7172.—Texas.— $\frac{1}{4}$.

Treculeana Carr.—*Trel. Yucc.* (*Rept. Miss. B. G.* 1902), 96. t. 52–54.—N. Mexico, Texas.— $\frac{1}{2}$. July–August.

valida Brandegee.—*Trel. Yucc.* (*Rept. Miss. B. G.* 1902), 107. t. 62–67.—Mexico, Lower California.— $\frac{1}{2}$.

Whipplei Torr. = *Hesperoyucca Whipplei* Bak.

Zamia horrida Jacq. = *Encephalartos horridus* Lehm.

Zamia spiralis Salisb. = *Macrozamia spiralis* Miq.

Zantedeschia Spreng. = *Richardia* Kunth.

‡ **ZANTHOXYLUM** L.—*N. Pff.* iii. 4. 115.—Rutaceæ–Rutoideæ
–Zanthoxyleæ–Evodiinæ.

ailanthoides Sieb. & Zucc.—*Schneider, Hdb. Laubh.* ii. 121. Japan, Formosa.— $\frac{1}{2}$.

alatum Roxb.—*Fl. Brit. Ind.* i. 493; *Brandis, Ind. Trees*, 116.—Himalaya, China.— $\frac{1}{2}$. January–April.

ZANTHOXYLUM (*continued*).

americanum Mill. *Gard. Dict.* n. 2; *Schneider, Hdb. Laubh.* ii. 118.—*Z. fraxineum* Willd. *DC.* i. 276.—Atlantic North America.— $\frac{1}{2}$.

Bungei Planch.—*N. Pff.* l. c. 115; *Schneider, Hdb. Laubh.* ii. 118.—China.— $\frac{1}{2}$. April–May.

ZAUSCHNERIA Presl.—*N. Pff.* iii. 7. 208.—Onagraceæ–Epilobiæ.

californica Presl.—*B. M.* t. 4493; *Schneider, Hdb. Laubh.* ii. 418.—California.— $\frac{1}{4}$. September–November.

ZEAL L.—*N. Pff.* ii. 2. 19.—Gramineæ–Maydeæ.

Mays L.—*Kunth, En.* i. 19; *Fl. d'It.* n. 104.—America.— $\odot$. Summer.

ZEBRINA Schnizl.—*N. Pff.* ii. 4. 69.—Commelinaceæ.

pendula Schnizl.—*Nich. Dict.* 238.—Mexico.— $\frac{1}{4}$. Spring–autumn.

ZEPHYRANTHES Herb.—*N. Pff.* ii. 5. 107.—Amaryllidaceæ–Amaryllidoideæ–Amaryllideæ–Zephyranthinæ.

candida Herb.—*Bak. Am.* 34; *B. M.* t. 2607; *Lodd. B. C.* t. 1419.—Argentina.— $\frac{1}{4}$. October–December.

Conzattii Greenm. in *Proc. Am. Acad.* xxxiii. 473.—Mexico.— $\frac{1}{4}$. (*Oaxaca*, 1911.)

ZINNIA L.—*N. Pff.* iv. 5. 225.—Compositæ–Heliantheæ–Zinninæ.

hybrida Sims in *B. M.* t. 2123; *DC.* v. 536.—S. America.— $\odot$. October–January.

ZIZYPHUS L.—*N. Pff.* iii. 5. 401.—Rhamnaceæ–Zizyphææ.

Lotus Lam.—*DC.* ii. 19; *Boiss. Fl. Or.* ii. 12; *Fl. d'It.* n. 2424.—Mediterranean region.— $\frac{1}{2}$.

mucronatus Willd.—*DC.* ii. 19; *Fl. Cap.* i. 475; *Fl. Trop. Afr.* i. 380; *Wood, Natal Pl.* t. 47.—Tropical and S. Africa.— $\frac{1}{2}$. August–October.

sativa Desf.—*Fl. d'It.* n. 2423.—*Z. vulgaris* Lam.—*DC.* ii. 19; *Boiss. Fl. Or.* ii. 12.—Mediterranean region, Temperate Asia.— $\frac{1}{2}$. June.

SUPPLEMENT.

ACACIA, p. 2.

- cæsia** *W. & Arn.*—*Fl. Brit. Ind.* ii. 297.—India, Malaya.—
 ½. (*Cambridge*, 1911.)
- discolor** *Willd.*—*DC.* ii. 468; *B. M. t.* 1750; *Lodd. B. C.*
t. 601; *Fl. Austr.* ii. 414.—N. S. Wales, Victoria, Tasmania.
 —½. (*Staer*, 1911.)
- elata** *A. Cunn.*—*Fl. Austr.* ii. 413.—N. S. Wales.—½.
 (*Staer*, 1911.)
- elongata** *Sieb.*—*DC.* ii. 451; *B. M. t.* 3337; *Fl. Austr.* ii.
 381.—N. S. Wales, Victoria.—½. (*Sydney*, 1911.)
- lineata** *A. Cunn.*—*Fl. Austr.* ii. 353; *B. M. t.* 3346.—N. S.
 Wales, Victoria, S. Australia.—½. March. (*L. Winter*,
 1911.)
- spectabilis** *A. Cunn.*—*Fl. Austr.* ii. 413.—Queensland, N. S.
 Wales.—½. (*Sydney*, 1911.)

ADENOCALYMNA *Mart.*—*N. Pff.* iv. 3b. 214.—Bignoniaceæ —Bignoniææ.

- comosum** *DC.* ix. 201; *B. M. t.* 4210.—Brazil.—½ §.
 November.

AGAVE, p. 10.

- candelabrum** *Tod. H. Bot. Pan.* i. 66. t. 15.—Mexico?—¼.
 (*Palermo*, 1911.)
- coarctata** *Jacobi, Nachtr.* i. 147.—*A. potatorum* *Hort.*—
 Mexico.—¼.
- longisepala** *Tod. H. Bot. Pan.* ii. 34. t. 31; *Bak. Am.* 176.
 Mexico?—¼. (*Palermo*, 1911.)
- marmorata** *Roezl.*—*Bak. Am.* 179.—Mexico.—¼. June.
- potatorum** *Zucc.*—*Bonpl.* vii. 89; *Kunth, En.* v. 824;
Jacobi 78.—Mexico.—¼. (*Munich*, 1909.)

ALBUCA, p. 16.

- Cooperi** *Bak.*—*Fl. Cap.* vi. 455.—*A. flaccida* *Bak.* in *Ref.*
Bot. t. 334.—S. Africa (near Port Elizabeth, leg. *Brunn-*
thaler).—¼.

ALCÆ, p. 17.

Straussii Berger.—Tropical E. Africa.— $\mathcal{A}$. February–March.
(*Dahlem*, 1910.)

variegata $\times$ **Gasteria verrucosa**.—Garden origin.— $\mathcal{A}$.
(*Weinberg*, 1911.)

ALOPECURUS L.—*N. Pff.* ii. 2. 48.—Gramineæ–Agrostideæ.
arundinaceus Poir.—*Boiss. Fl. Or.* v. 487.—*A. nigricans*
Hornem. *Kunth, En.* i. 24.—Europe, N. Africa, Asia, N.
America.— $\mathcal{A}$. April.

castellanus Boiss. & Reut.—*W. & Lge. Fl. Hisp.* i. 40.—Spain.
 $\mathcal{A}$. April.

ALYSSUM, p. 24.

desertorum Stapf in *Denkschr. Akad. Wien.* (1886), 33.—
Persia.— $\mathcal{A}$.

ALYXIA, p. 24.

daphnoides A. Cunn. in *B. M. t.* 3313.—Norfolk Island.—
 $\mathcal{h}$. November–December. (*Rome*, 1910.)

AMOMUM L.—*N. Pff.* ii. 6. 26.—Zingiberaceæ–Zingibereæ.
Granum-Paradisi L.—*B. M. t.* 4603; *Fl. Trop. Afr.* vii.
304.—Upper Guinea.— $\mathcal{A}$. (*Rovelli*, 1911.)

ANEMOPÆGMA Mart.—*N. Pff.* iv. 3b. 214.—Bignoniaceæ–
Bignoniææ.

racemosum Mart.—*DC.* ix. 189.—Brazil.— $\mathcal{h}$ §. (*Reukart*,
1911.)

ANTHOLYZA, p. 28.

paniculata Klatt.—*Bak. Irid.* 229; *Fl. Cap.* vi. 168.—S.
Africa.— $\mathcal{A}$. (*Herb*, 1911.)

ARISTOLOCHIA, p. 34.

arborea Linden.—*B. M. t.* 5295; *DC.* xv. 1. 477.—Mexico.
— $\mathcal{h}$. (*Rovelli*, 1911.)

ARUM, p. 36.

***italicum** Mill. *Dict.* n. 2; *B. M. t.* 2432; *Kunth, En.* iii.
24; *Fl. d'It.* n. 530.—Mediterranean region, Canaries,
Madeira, Azores.— $\mathcal{A}$. April–May.

Nickellii Schott = *italicum*.

ASCLEPIAS, p. 36.

glaucescens H. B. K.—*DC.* viii. 565.—Mexico.— $\mathcal{A}$.
(*Oaxaca*, 1911.)

ASPARAGUS, p. 37.

myriocladus Bak. in *Journ. Bot.* 1889, 43; *Fl. Cap.* vi. 271.
Natal.— $\frac{1}{2}$. (*Durban*, 1910.)

ASTRAGALUS, p. 39.

lusitanicus Lam.—*Boiss. Fl. Or.* ii. 267; *W. & Lge. Fl. Hisp.*
iii. 277.—*Phaca baetica* L.—Mediterranean region.— $\frac{1}{4}$.
April.

sanguinolentus M. B.—*DC.* ii. 304; *Ledeb. Fl. Ross.* i. 648;
Boiss. Fl. Or. ii. 459.—Caucasus.— $\frac{1}{4}$. (*Tiflis*, 1911.)

schahrudensis Bunge.—*Boiss. Fl. Or.* ii. 416.—Persia.— $\frac{1}{4}$.
(*Tiflis*, 1911.)

ATRIPLEX, p. 41.

lentiformis S. Wats. in *Proc. Am. Acad.* ix. 1874, 118.—
Arizona.— $\frac{1}{2}$. (*F. Franceschi*, 1911.)

AVENA L.—*N. Pff.* ii. 55.—Gramineæ—Avenæ.

***barbata** Brot.—*Bicknell, Fl. Bord. & S. Rem.* 305; *Fl. d'It.*
n. 243 γ .—Mediterranean region, Asia Minor, Arabia.— $\odot$.
May-June.

planiculmis Schrad.—*Kunth, En.* i. 301 and Suppl. 254.
Europe, N. Asia.— $\frac{1}{4}$. April-May.

***sterilis** L.—*Bicknell, Fl. Bord. & S. Rem.* 305; *Fl. d'It.* n.
243 β .—Mediterranean region, Orient.— $\odot$. February-June.

BANKSIA, p. 43.

æmula R. Br.—*DC.* xiv. 461; *B. M.* t. 2671; *Fl. Austr.* v.
556.—*B. serratifolia* Salisb.—Queensland, N. S. Wales,
Victoria.— $\frac{1}{2}$. (*Staer*, 1911.)

collina R. Br.—*DC.* xiv. 454; *Fl. Austr.* v. 548.—*B. littoralis*
Lindl. *B. M.* t. 3060.—Queensland, N. S. Wales, Victoria,
— $\frac{1}{2}$. (*Staer*, 1911.)

latifolia R. Br.—*DC.* xiv. 460; *B. M.* t. 2406; *Fl. Austr.* v.
555.—Queensland, N. S. Wales.— $\frac{1}{2}$. (*Staer*, 1911.)

marginata Cav.—*DC.* xiv. 455; *B. M.* t. 1947; *Lodd. B. C.*
t. 61; *Fl. Austr.* v. 553.—N. S. Wales, Victoria, Tasmania,
S. Australia.— $\frac{1}{2}$. (*Staer*, 1911.)

serrata L. fil.—*DC.* xiv. 461; *Fl. Austr.* v. 556.—N. S.
Wales, Victoria, Tasmania.— $\frac{1}{2}$. (*Staer*, 1911.)

spinulosa Sm.—*DC.* xiv. 453; *Fl. Austr.* v. 547.—N. S.
Wales.— $\frac{1}{2}$. (*Staer*, 1911.)

BAUHINIA, p. 43.

bryoniæfolia Hort. Paris.—Origin unknown.— $\frac{1}{2}$. (*Antibes*,
1910.)

†**BEAUCARNEA** Lem.—*Trel.* in *Proc. Am. Phil. Soc.* vol. 1. 427.
—Liliaceæ—Dracænoideæ—Nolineæ.

gracilis Lem.—*Trel.* l. c. 430.—*B. ædipus* Rose in *Contrib.*
U. S. Nat. Herb. x. 88. t. 23.—South Central Mexico.
— $\frac{1}{2}$.

recurvata Lem.—*Fl. d. S.* xviii. 26. figure; *Trel.* l. c. 427.—
Pincenectitia tuberculata Lem.—*Nolina recurvata* Hemsl.
Bak. Al. & Yucc. 234.—South Eastern Mexico.— $\frac{1}{2}$.
June.

stricta Lem.—*Trel.* l. c. 429.—*Pincenectitia glauca* Lem.—
B. recurvata stricta Bak. *Al. & Yucc.* 234.—*B. Purpusi*
Rose in *Contrib. U. S. Nat. Herb.* x. 89.—South Central
Mexico.— $\frac{1}{2}$. June.

BERBERIS, p. 45.

concinna Hook. *fil. B. M.* t. 4744; *Fl. Brit. Ind.* i. 111.—
Himalaya.— $\frac{1}{2}$.

BILLBERGIA, p. 48.

horrida Regel.—*Bak. Brom.* 72.—Brazil.— $\frac{1}{4}$.

BOMAREA Mirbel.—*N. Pff.* ii. 5. 120.—Amaryllidaceæ—
Hypoxidoideæ—Alstrœmeriæ.

ovata Mirbel.—*Kunth, En.* v. 798; *Bak. Am.* 154.—*B. M.* t.
2848.—Tropical America.— $\frac{1}{4}$ §. (*Oaxaca*, 1911.)

BRASSAVOLA R. Br.—*N. Pff.* ii. 6. 148.—Orchidaceæ—
Monandracæ—Læliinæ—Cattleyæ.

Perrinii Lindl.—*B. M.* t. 3761.—Brazil.— $\frac{1}{4}$. (*Vienna*,
1906.)

BRASSIA Lindl.—*N. Pff.* ii. 6. 199.—Orchidaceæ—Monandracæ—
Oncidiinæ—Odontoglossæ.

maculata R. Br.—*B. M.* t. 1691.—Jamaica.— $\frac{1}{4}$. (*H. Gold-*
schmidt, 1911.)

verrucosa Batem.—*Nich. Dict.* i. 210.—Mexico.— $\frac{1}{4}$.
(*H. Goldschmidt*, 1911.)

BRASSICA, p. 51.

bœtica Boiss.—*Fl. d'It.* n. 1409.—*B. sicula* Arc.—S. Italy,
S. Spain.— $\frac{1}{4}$. May–June.

rupestris Raf.—*Fl. d'It.* n. 1401 v.—Sicily.— $\frac{1}{4}$. May–June.

BRODIAEA, p. 51.

uniflora Engl. in *N. Pff.* l. c. 57.—*Triteleia uniflora* Lindl.
Nich. Dict. 93.—*Milla unifl.* R. Grah. *B. M.* t. 3327.—
Argentina.— $\frac{1}{4}$. March–April.

BRONGNIARTIA *H. B. K.*—*N. Pff.* iii. 3. 266.—Leguminosæ
—Papilionatæ—Galegeæ—Brongniartiinæ.

sericea *Schlecht.*—*N. Pff. l. c.*—Mexico.— $\frac{1}{2}$. (*Oaxaca*, 1911.)

† **CALIBANUS** *Rose.*—*Contr. U. S. Nat. Herb.* x. 90.—Liliaceæ
—Dracænoideæ—Nolineæ.

Hookerii *Trel.* in *Proc. Am. Phil. Soc.* vol. 1. 426.—*Dasylyrion*
Hookerii *Lem.* (see p. 104 of this Catalogue).—*D. Hartwegianum* *Hook.* in *B. M.* t. 5099.—East and Central Mexico.
— $\frac{1}{4}$. July.

CALLISTEMON, p. 55.

paludosus *F. Müll.*—*Fl. Austr.* iii. 121.—Victoria, Tasmania,
S. Australia.— $\frac{1}{2}$. (*Sydney*, 1910.)

CASUARINA, p. 63.

lepidophloia *F. Müll.*—*Guilfoyle, Austr. Pl.* 102.—Victoria,
N. S. Wales, S. Australia.— $\frac{1}{2}$. (*Sydney*, 1911.)

CEDRONELLA, p. 64.

mexicana *Benth.*—*DC.* xii. 405.—*Gardoquia betonicoides*
Lindl. B. M. t. 3860.—Mexico.— $\frac{1}{4}$. (*Antibes*, 1911.)

CELTIS, p. 65.

caucasica *Willd.*—*DC.* xvii. 170; *Schneider, Hdb. Laubh.*
i. 231.—From the Punjab to the Caucasus.— $\frac{1}{2}$.

occidentalis *L.*—*DC.* xvii. 174; *Schneider, Hdb. Laubh.* i.
233.—N. America.— $\frac{1}{2}$. April.

CENTAUREA, p. 65.

transalpina *Schleich.*—*DC.* vi. 571; *Fl. d'It.* n. 3719 ϵ .—
Southern Europe.— $\frac{1}{4}$. June.

CEROPEGIA, p. 73.

gemmifera *K. Schum.*—*Fl. Trop. Afr.* iv. 1. 620.—Togo.—
 $\frac{1}{4}$ §. (*Cambridge*, 1910.)

CESTRUM, p. 74.

confertum *Ruiz & Pav.*—*DC.* xiii. 1. 622.—Peru.— $\frac{1}{2}$. (*St.*
Louis, 1911.)

salicifolium *Jacq. H. Sch.* iii. 421. t. 326; *DC.* xiii. 1. 670.
—Venezuela.— $\frac{1}{2}$. (*St. Louis*, 1911.)

CHORISIA *H. B. K.*—*N. Pff.* iii. 6. 62.—Bombacaceæ—Adan-
soniæ.

speciosa *St. Hil. Plantes us. des Bras.* t. 63.—S. Brazil.—
 $\frac{1}{2}$. (*Parma*, 1911.)

CLEOME *L.*—*N. Pff.* iii. 2. 222.—Capparidaceæ—Cleomoideæ.
spinosa *L.*—*DC.* i. 239; *B. M.* t. 1640.—Tropical America.
 —⊙. Summer.

COCCINIA, p. 86.

quinqueloba *Cogn.*—*DC. Mon. Phan.* iii. 533.—S. Africa.—
 2 §. (*Reukart*, 1911.)

COFFEA, p. 87.

bengalensis *Roxb.*—*DC.* iv. 499; *B. M.* t. 4917; *Fl. Brit.*
Ind. iii. 153.—India, Siam, Java.—½. (*Zürich*, 1911.)

COLUMNÆA *L.*—*N. Pff.* iv. 3b. 169.—Gesneriaceæ—Cyrtan-
 droideæ—Columnææ.

erythrophæa *Decne.*—*Nich. Dict.* i. 364.—Mexico.—½.

CONVOLVULUS, p. 89.

incanus *Vahl.*—*DC.* ix. 409.—*C. dissectus* *Cav.* *DC.* ix. 411.
 —N. and South America.—2 §. (*Santiago, Chili*, 1911.)

CORDYLINE, p. 90.

indivisa *Steud.*—*Hdb. Fl. N. Zeald.* 282.—New Zealand.—
 ½. (*Dorrien-Smith*, 1911.)

CORONILLA, p. 91.

cappadocica *Willd.*—*Boiss. Fl. Or.* ii. 180.—*C. iberica*
M. B. Lodd. B. C. t. 789.—Asia Minor.—2. April–May.

DRACÆNA, p. 112.

Ombet *Kotschy & Peyr.*—*Fl. Trop. Afr.* vii. 438.—Nubia.
 Eritrea.—½. (*Palermo*, 1911.)

ECHEVERIA, p. 114.

setosa *Rose & Purpus, Contr. U. S. Nat. Mus.* xiii. 45. t. 10.
 —Mexico.—2. (*Haage & Schmidt*, 1911.)

ECHIUUM, p. 123.

Pininana *Webb & Berth. Phyt. Can.* iii. 44.—Canaries.—⊕.
 (*Dr. Perez*, 1911.)

ELÆODENDRON, p. 124.

australe *Vent. J. Malm.* t. 117; *Fl. Austr.* i. 402.—Queens-
 land, N. S. Wales.—½. (*Sydney*, 1911.)

ENDIANDRA *R. Br.*—*N. Pff.* iii. 2. 122.—Lauraceæ—Lauroideæ
 —Acrodielidiææ.

Sieberi *Nees.*—*DC.* xv. 1. 79; *Fl. Austr.* v. 301.—N. S.
 Wales.—½. (*Sydney*, 1910.)

ENDIANDRA (*continued*).

virens *F. Müll.*—*DC.* xv. 1. 509; *Fl. Austr.* v. 302.—N. S. Wales.—½. (*Sydney*, 1911.)

EPHEDRA, p. 125.

pumila *Brandegee.*—N. America.—½. (*Dendr. Ges. Vienna*, n. 412.—1910.)

EPIDENDRUM, p. 125.

pygmæum *Hook.*—*B. M.* t. 3233; *Fl. W. Ind.* 615.—Brazil, W. Indies.—¼. (*H. Goldschmidt*, 1911.)

tampense *Lindl.*—*Nich. Dict. Suppl.* 344.—Florida.—¼. (*Washington*, from *Niami* and *Oneco*, 1911.)

ERYTHROSTICTUS *Schlecht.*—*Androcymbium* Willd. *N. Pff.* ii. 5. 28.—Liliaceæ—Melanthioideæ—Anguillariæ.

palestinus *Boiss. Fl. Or.* v. 170.—Palestine.—¼. (*Herb*, 1911.)

EUCALYPTUS, p. 129.

odorata *Behr.*—*Fl. Austr.* iii. 215.—S. Australia.—½. (*Lisbon*, 1909.)

tereticornis *Sm.*—*DC.* iii. 216; *Fl. Austr.* iii. 241.—Queensland, N. S. Wales, Victoria.—½.

EUPHORBIA, p. 132.

aspera *M. B.*—*Ledeb. Fl. Ross.* i. 566; *DC.* xv. 2. 124; *Boiss. Ic. Euph.* t. 74; *Fl. Or.* iv. 1101.—Caucasus, N. Persia.—¼. (*Tiflis*, 1911.)

EXOgonium *Choisy.*—*N. Pff.* iv. 3a. 27.—Convolvulaceæ—Convolvuloideæ—Convolvuleæ.

Purga *Benth.*—*N. Pff.* l. c. 28. fig. 15.—*Ipomœa Purga* Wender. *DC.* ix. 374.—Mexico.—¼ §. (*W. Müller*, 1911.)

FICUS, p. 138.

Bellengeri *C. Moore, Hdb. Fl. N. S. Wales*, 81; *Guilfoyle, Austr. Pl.* 178, fig. p. 57.—Australia.—½. (*Palermo*, 1911.)

FRITILLARIA, p. 141.

conica *Boiss. Fl. Or.* v. 184.—Greece.—¼. (*Herb*, 1911.)

GASTERIA, p. 143.

minima *Hort.*—S. Africa? (*Weinberg*, 1911.)

GAZANIA, p. 145.

montana *Sprenger in Gartenfl.* 1899, 442.—S. Africa.—¼. April. (*Sprenger*, 1910.)

GENISTA, 146.

stenopetala Webb & Berth. *Phyt. Can.* ii. 39.—Canaries.—
 ½. (*Dr. Perez*, 1911.)

GRABOWSKIA, p. 150.

duplicata Arn.—*B. M.* t. 3841; *DC.* xiii. 1. 19.—Argentine
 to Southern Brazil.—½. (*Sprenger.*)

GREVILLEA, p. 150.

buxifolia R. Br.—*DC.* xiv. 369; *Fl. Austr.* v. 464.—N. S.
 Wales.—½. (*Staer*, 1911.)

crithmifolia R. Br.—*DC.* xiv. 387; *Fl. Austr.* v. 477.—W.
 Australia.—½. (*Staer*, 1911.)

mucronulata R. Br.—*DC.* xiv. 357; *Fl. Austr.* v. 443.—
G. cinerea Lodd. *B. C.* t. 857.—N. S. Wales.—½. (*Staer*,
 1911.)

HAKEA, p. 153.

cristata R. Br.—*DC.* xiv. 406; *Fl. Austr.* v. 510.—W. Aus-
 tralia.—½. (*Staer*, 1911.)

HEUCHERA, p. 162.

undulata Regel & Rach.—*Ind. Kew.* ii. 1142.—N. America.—
 ¼. April.

HIBISCUS, p. 163.

Huegelii Endl.—*Fl. Austr.* i. 217.—S. and W. Australia.—
 ½. (*Sydney*, 1911.)

HIPPEASTRUM, p. 164.

pratense Bak. *Hdb. Am.* 46.—*Habranthus pratensis* Herb.—
 Chili.—¼.

rutilum Herb.—*Bak. Am.* 51.—*Amaryllis rutila* Gawl. Lodd.
B. C. t. 1449.—Brazil.—¼. (*Herb*, 1911.)

HIPPOCRATEA L.—*N. Pff.* iii. 5. 226.—Hippocrateaceæ.

uniflora DC. i. 567.—Mexico.—½. (*Oaxaca*, 1911.)

HUMEA Sm.—*N. Pff.* iv. 5. 192.—Compositæ—Inuleæ—Gna-
 phalinæ.

elegans Sm. *Exot. Bot.* i. t. 1; *DC.* vi. 158; *Fl. Austr.* iii.
 589.—N. S. Wales.—⊕. (*Sydney*, 1910.)

HYMENANTHERA, p. 167.

chathamica T. Kirk in *Trans. N. Zeald. Inst.* xxviii. 514.—
 New Zealand.—½. (*Dorrien-Smith*, 1911.)

ILEX, p. 169.

- integra** Thunb.—DC. ii. 16; *Schneider, Hdb. Laubh.* ii. 164.
—Japan.— $\frac{1}{2}$. (*W. Müller, 1911.*)

IRIS, p. 172.

- illyrica** Tomm.—*Fl. d'It.* n. 777 β (*ex parte*).—Istria.— $\frac{1}{4}$.
(*Triest, 1911.*)
maricoides Regel.—*Bak. Irid.* 44.—Bokhara.— $\frac{1}{4}$. (*Herb, 1911.*)
musulmanica Fom. ex *Delect. Semin. H. Bot. Tiflisiens.*—Orient.— $\frac{1}{4}$. (*Tiflis, 1911.*)
odoratissima var. *magnifica* Hort. (*Varvaro 1910*) = *pallida*.
palæstina Boiss. *Fl. Or.* v. 122; *Bak. Irid.* 45.—Syria, Mesopotamia.— $\frac{1}{4}$. (*Herb, 1911.*)
sofarana Foster in *Gard. Chron.* 1899, ii. 389.—Lebanon.— $\frac{1}{4}$. (*Herb, 1911.*)

ISOPOGON, p. 176.

- anemonifolius** Knight.—DC. xiv. 279; *Lodd. B. C.* t. 1337.
—*Protea anemonif.* Salisb. *B. M.* t. 697.—N. S. Wales.— $\frac{1}{2}$. (*Staer, 1911.*)

JASMINUM, p. 177.

- angulare** Vahl.—DC. viii. 311; *B. M.* t. 6865; *Fl. Cap.* iv. 2. 481.—*J. capense* Thunb.—S. Africa.— $\frac{1}{2}$ §. (*Palermo, 1911.*)

JUNCUS L.—N. Pff. ii. 5. 5.—Juncaceæ.

- Chamissonis** Kunth, *En.* iii. 348.—S. America.— $\frac{1}{4}$.

JUSSIEUA L.—N. Pff. iii. 7. 206.—Onagraceæ—Jussieuæ.

- repens** L.—DC. iii. 54.—*J. grandiflora* Michx. *B. M.* t. 2122.
—Tropics.— $\frac{1}{4}$. June–July.

KARATAS, p. 181.

- denticulata** Bak. *Brom.* 4.—*Nidularium denticulatum* Regel.
—S. Brazil.— $\frac{1}{4}$.

KÆLREUTERIA, p. 184.

- bipinnata** Franch.—*Schneider, Hdb. Laubh.* ii. 256.—China, Formosa.— $\frac{1}{2}$. (*Schweinfurth, 1911.*)

LANNEA A. Rich.—N. Pff. iii. 5. 153; *Nachtr.* i. 213.—Anacardiaceæ—Spondiææ.

- caffra** Hort. *Damm.*—*Odina caffra* Hort. *Damm.*—S. Africa?
— $\frac{1}{2}$.

LANTANA, p. 187.

flava *Medic.*—*DC.* xi. 599.—*L. melissæfolia* Ait.—Tropical America?— $\frac{1}{2}$. (*Coimbra*, 1911.)

rosea *Rafin.*—*Ind. Kew.* iii. 29.—Native country unknown.
 $\frac{1}{2}$. (*Palermo*, 1911.)

velutina *Martens & Gal.*—*DC.* xi. 605.—Mexico.— $\frac{1}{2}$. July–October.

LENOPHYLLUM *Rose.*—*Smithson. Miscell. Collect.* vol. xlvii. 1904, 159.—Crassulaceæ.

acutifolium *Rose, l. c.* 162.—Mexico.— $\frac{1}{4}$. October–May.

LESPEDeza *Michx.*—*N. Pff.* iii. 3. 332.—Leguminosæ—Papilionatæ—Hedysaræ—Desmodiinae.

junceæ *Pers.*—*DC.* ii. 348.—Northern Asia.— $\frac{1}{2}$. October. (*W. Müller*, 1910.)

LYCIUM, p. 199.

Berlandieri *Dun.* in *DC.* xiii. 1. 520.—Texas, Arizona.— $\frac{1}{2}$. (*F. Franceschi*, 1911.)

MARKHAMIA *Seem.*—*N. Pff.* iv. 3b. 242.—Bignoniaceæ—Tecomeæ.

Hildebrandtii *Sprague* in *Fl. Trop. Afr.* iv. 2. 526.—German and British E. Africa.— $\frac{1}{2}$. (*Nairobi*, 1911.)

MELALEUCA, p. 207.

crassifolia *Benth. Fl. Austr.* iii. 145.—W. Australia.— $\frac{1}{2}$. (*Staer*, 1911.)

Deanei *F. Müll.*—*Ind. Kew. Suppl.* i. 269.—Australia.— $\frac{1}{2}$. (*Staer*, 1911.)

elliptica *Labill.*—*DC.* iii. 215; *Fl. Austr.* iii. 131.—W. Australia.— $\frac{1}{2}$. (*Staer*, 1911.)

Leucadendron *L.*—*DC.* iii. 212; *Fl. Austr.* iii. 142.—Australia, Malayan Archipelago.— $\frac{1}{2}$. (*Sydney*, 1910.)

parviflora *Lindl.*—*Fl. Austr.* iii. 145.—Australia.— $\frac{1}{2}$. (*Dorrien-Smith*; *Staer*, 1911.)

squarrosa *Sm.*—*DC.* iii. 215; *B. M.* t. 1935; *Lodd. B. C.* t. 1130; *Fl. Austr.* iii. 139.—N. S. Wales, Victoria, Tasmania, S. Australia.— $\frac{1}{2}$. (*Staer*, 1911.)

METROSIDEROS, p. 216.

diffusa *Sm.*—*Hdb. Fl. N. Zeald.* 71.—New Zealand, Northern Island.— $\frac{1}{2}$. (*Dorrien-Smith*, 1911.)

falcata *Dum.-Cours.*—*Ind. Kew.* iii. 221.—Australia.— $\frac{1}{2}$.

MILTONIA, p. 217.

Clowesii Lindl.—*B. M. t.* 4109.—Brazil.— μ . (*H. Goldschmidt*, 1911.)

flavescens Lindl.—*Nich. Dict.* 368.—Brazil.— μ . (*H. Goldschmidt*, 1911.)

MIMOSA, p. 217.

hamata Willd.—*DC.* ii. 427 ; *Fl. Brit. Ind.* ii. 291.—India.— $\frac{1}{2}$.

MONNINA Ruiz & Pav.—*N. Pff.* iii. 4. 340.—Polygalaceæ—Polygalææ.

ciliolata Moç. & Sessé ex *DC.* i. 340.—Mexico.— $\frac{1}{2}$. March–April. (*Darmstadt*, 1910.)

NARCISSUS, p. 222.

Pseudo-Narcissus *L.* var. **cyclamineus** Haw.—*Bak. Am.* 4.—*N. cyclamineus* Bak. *B. M. t.* 6950.—Portugal.— μ . (*Miss Willmott*, 1910.)

NISSOLIA Jacq.—*N. Pff.* iii. 3. 317.—Leguminosæ—Papilionatæ—Æschynomeninæ.

multiflora Rose in *U. S. Dept. Agr. Contr. Nat. Herb.* v. 161.—Mexico.— $\frac{1}{2}$ §. (*Oaxaca*, 1911.)

ODONTOGLOSSUM, p. 227.

grande Lindl.—*B. M. t.* 3955.—Guatemala.— μ . (*H. Goldschmidt*, 1911.)

nobile Rchb. fil.—*O. Pescatorei* Linden. *Fl. d. S.* t. 1624.—Colombia.— μ . (*H. Goldschmidt*, 1911.)

OLEARIA, p. 228.

elliptica *DC.* v. 271 ; *Fl. Austr.* iii. 483.—Queensland, N. S. Wales.— $\frac{1}{2}$. (*Dorrien-Smith*, 1911.)

Nernstii *F. Müll.*—*Fl. Austr.* iii. 474.—Queensland, N. S. Wales.— $\frac{1}{2}$. (*Dorrien-Smith*, 1911.)

nummularifolia Hook. fil.—*Hdb. Fl. N. Zeald.* 127.—New Zealand.— $\frac{1}{2}$. (*Dorrien-Smith*, 1911.)

OLIVERELLA Rose.—*Bull. N. York Bot. Gard.* 1903, 2.—Crassulaceæ.

elegans Rose, *l. c.*—Mexico.— μ $\frac{1}{2}$. May–June.

OPUNTIA, p. 230.

grandis Pfeiff. *En.* 155 ; Berger in *Monatsschrift. f. K.* 1904, 171, with figure.—Mexico.— $\frac{1}{2}$. June–July.

OPUNTIA (*continued.*)

guatemalensis Berger. — *Nopalea guatemalensis* Rose in *Smithson. Miscell. Collect.* vol. 1. 330. t. 41-42. — Guatemala. — ½. (*Eichlam*, 1910.)

littoralis Britton & Rose. — *K. Schum. Mon.* 725. — California. — ½. May-June.

molesta K. S. Brand. — *K. Schum. Mon.* 677. — Lower California. — ½. (*K. S. Brandegee*, 1906.)

occidentalis Engelm. & Bigel. — *K. Schum. Mon.* 725. — California. — ½. May-June.

oligacantha Salm, *Cact. H. Dyck.* 241. — Mexico. — ½. June-July.

ORNITHOGALUM, p. 237.

Visianicum Tomm. ex Vis. in *Mem. Ist. Venet.* xx. 1876, 176. — Dalmatia. — ¼. April.

OXALIS, p. 239.

catharinensis N. E. Br. — *Nich. Dict. Suppl.* 577. — S. Brazil. — ¼. April-June.

flabellifolia Jacq. — *DC.* i. 702; *Fl. Cap.* i. 347. — S. Africa. — ¼.

sericea L. — *DC.* i. 695; *Fl. Cap.* i. 348. — S. Africa. — ¼.

PAPAVER, p. 241.

Heldreichii Boiss. *Fl. Or.* i. 108. — Asia Minor. — ¼. April-May.

PARKINSONIA, p. 242.

Torreyana S. Wats. in *Proc. Am. Acad.* xi. 1876, 135. — Western North America. — ½. (*F. Franceschi*, 1911.)

PASPALUM L. — *N. Pff.* ii. 2. 33. — Gramineæ — Paniceæ.

dilatatum Poir. — *Kunth, En.* i. 60. — Argentina, Uruguay. — ¼. December-January.

PASSIFLORA, p. 243.

Dictamo Moç. & Sessé ex DC. iii. 324. — Mexico. — ½ §. (*Oaxaca*, 1911.)

PENNISSETUM, p. 247.

macrourum Trin. — *Fl. Cap.* vii. 434. — S. Africa, St. Helena, Ascension Island. — ¼. June.

PERSEA, p. 248.

carolinensis Nees. — *DC.* xv. 1. 50. — South Eastern United States. — ½.

PERSOONIA, p. 248.

Chamæpeuce *Lhotsky*.—*DC.* xiv. 336; *Fl. Austr.* v. 402.—
N. S. Wales, Victoria.—½. (*Staer*, 1911.)

nutans *R. Br.*—*DC.* xiv. 335; *Fl. Austr.* v. 401.—*P. flexi-*
folia *Lodd. B. C. t.* 922.—N. S. Wales.—½. (*Staer*, 1911.)

PINUS, p. 255.

pyrenaica *Lapeyr.*—*DC.* xvi. 2. 384; *W. & Lge. Fl. Hisp.* i.
19; *Veitch, Man. Conif.* 156.—Pyrenees.—½.

PITHECOCTENIUM, p. 258.

cinereum *DC.* ix. 195.—*Distictis cin.* *Greenm.*—Mexico.—
½ §. (*Oaxaca*, 1911.)

PITTOSPORUM, p. 258.

Fairchildii *Cheesem.* in *Trans. N. Zeald. Inst.* xx. 147.—
New Zealand.—½. (*Dorrien-Smith*, 1911.)

PLEIOGYNIUM *Engl.* in *N. Pff.* iii. 5. 151.—Anacardiaceæ-
Spondiæ.

Solandri *Engl. l. c.*—*Spondias Sol. Benth. Fl. Austr.* i. 492.
—Queensland.—½.

POLANISIA *Raf.*—*N. Pff.* iii. 2. 224.—Capparidaceæ-
Cleomoideæ.

graveolens *Raf.*—*DC.* i. 242.—Canada to Mexico.—☉.
Summer.

POTENTILLA, p. 262.

adscharica *Somm. & Lev.*—*Th. Wolf, Mon. Potent.* 477.—
Caucasus, Northern Persia—¼. (*Th. Wolf*, 1911.)

argentea *L.* var. **calabra** *Ser.*—*DC.* ii. 577; *Fl. d'It.* n.
1790 β; *Th. Wolf, Mon. Potent.* 266.—S. Italy.—¼.
May.

atrisanguinea *Lodd. B. C. t.* 786; *Th. Wolf, Mon. Potent.*
230.—Himalaya.—¼. (*Th. Wolf*, 1911.)

bannehalensis *Camb.*—*Th. Wolf, Mon. Potent.* 318.—
Himalaya.—¼. (*Th. Wolf*, 1911.)

chinensis *Ser.* in *DC.* ii. 581; *Th. Wolf, Mon. Potent.* 179.
—Eastern Asia, Japan, Formosa.—¼. (*Th. Wolf*, 1911.)

fulgens *Wall.*—*B. M. t.* 2700; *Hook. f. Brit. Ind.* ii. 349;
Th. Wolf, Mon. Potent. 145.—Himalaya.—¼. (*Th. Wolf*,
1911.)

Hippiana *Lehm.*—*Th. Wolf, Mon. Potent.* 197.—Western
North America.—¼. (*Th. Wolf*, 1911.)

POTENTILLA (*continued*).

hirta *L.* var. **pedata** *Koch.*—*Th. Wolf, Mon. Potent.* 367.—Spain to Caucasus.— $\frac{1}{2}$. (*Th. Wolf, 1911.*)

kurdica *Boiss. & Hoh.*—*Boiss. Fl. Or.* ii. 711; *Th. Wolf, Mon. Potent.* 431.—Kurdistan.— $\frac{1}{2}$. (*Th. Wolf, 1911.*)

Lechenaultiana *Ser.* in *DC.* ii. 584; *Fl. Brit. Ind.* ii. 350; *Th. Wolf, Mon. Potent.* 167.—India, S. China.— $\frac{1}{2}$. (*Th. Wolf, 1911.*)

montenegrina *Pant.*—*Th. Wolf, Mon. Potent.* 447.—Bosnia to Montenegro.— $\frac{1}{2}$. (*Th. Wolf, 1911.*)

nepalensis *Hook.*—*B. C. t.* 1031; *Fl. Brit. Ind.* ii. 355; *Th. Wolf, Mon. Potent.* 223.—Western Himalaya.— $\frac{1}{2}$. (*Th. Wolf, 1911.*)

nevadensis *Boiss.*—*Th. Wolf, Mon. Potent.* 432.—S. Spain.— $\frac{1}{2}$. (*Th. Wolf, 1911.*)

Newberryi *A. Gray.*—*Th. Wolf, Mon. Potent.* 394.—Western North America.— $\frac{1}{2}$. (*Th. Wolf, 1911.*)

pulcherrima *Lehm.*—*Th. Wolf, Mon. Potent.* 208.—Western North America.— $\frac{1}{2}$. (*Th. Wolf, 1911.*)

Rydbergiana *Rose.*—*Th. Wolf, Mon. Potent.* 515.—Central Mexico.— $\frac{1}{2}$. (*Th. Wolf, 1911.*)

sikkimensis *Th. Wolf, Mon. Potent.* 169. t. 4.—Himalaya.— $\frac{1}{2}$. (*Th. Wolf, 1911.*)

thuringiaca *Bernh.* var. **genuina** *Th. Wolf, Mon. Potent.* 464.—Europe.— $\frac{1}{2}$. (*Th. Wolf, 1911.*)

„ var. **Buquoyana** *Th. Wolf, Mon. Potent.* 465. Bohemia.— $\frac{1}{2}$. (*Th. Wolf, 1911.*)

villosa *Pall.*—*Th. Wolf, Mon. Potent.* 243.—N.E. Asia, N. W. America.— $\frac{1}{2}$. (*Th. Wolf, 1911.*)

PRITCHARDIA *Seem. & H. Wendl.*—*N. Pff.* ii. 3. 35.—*Palmae*—*Coryphinæ*—*Sabaleæ*.

pacifica *Seem. & H. Wendl.*—*Fl. d. S.* t. 2262-3.—*Fiji Islands.*— $\frac{1}{2}$. (*Palermo, 1911.*)

PRIVA *Adans.*—*N. Pff.* iv. 3a. 155.—*Verbenaceæ*—*Verbenoideæ*—*Priveæ*.

lævis *Juss.*—*DC.* xi. 533; *Nich. Dict.* 224.—Argentina.— $\frac{1}{2}$. (*Haage & Schmidt, 1910.*)

PSEUDOPANAX, p. 266.

chathamicus *T. Kirk, Fl. N. Zeald.* 223.—New Zealand.— $\frac{1}{2}$. (*Dorrien-Smith, 1911.*)

PSIDIUM, p. 266.

montanum Sw.—*Fl. W. Ind.* 242.—Jamaica.— $\frac{1}{2}$.

RANDIA, p. 269.

Nelsoni Greenm. in *Proc. Am. Acad.* xxxiv. 574.—Mexico.— $\frac{1}{2}$. (*Oaxaca*, 1911.)

RANUNCULUS, p. 269.

constantinopolitanus Urv. var. **palæstinus** Boiss. *Fl. Or.* i. 49.—Asia Minor, Syria.— $\frac{1}{4}$. (*Herb*, 1911.)

Schweinfurthii Boiss. *Fl. Or. Suppl.* 12.—Lebanon.— $\frac{1}{4}$. April–May. (*Vienna*, 1910.)

RHIPSALIS, p. 272.

Tonduzii Web.—*K. Schum. Mon. Nachtr.* 141.—Costa Rica.— $\frac{1}{2}$. (*Gastaud*, 1911.)

zanzibarica Web. in *Rev. Hort.* 1892, sep. pr. p. 2.—Zanzibar.— $\frac{1}{2}$. (*Paris*, 1908.)

SCHEFFLERA, p. 288.

rotundifolia Ten.—*Paratropia rotundifolia* Tenore, *Cat. Orto. Nap.* 1845, 89.— $\frac{1}{2}$. (*Palermo*, 1911.)

SEDUM, p. 291.

allantoides Rose in *Contr. U. S. Nat. Herb.* xii. 440. t. 79.—Mexico.— $\frac{1}{4}$. (*Weinberg*, 1911.)

Treleasii Rose.—Mexico.— $\frac{1}{4}$. (*Haage & Schmidt*, 1911.)

SOPHORA, p. 303.

chrysophylla Seem.—*Nich. Dict.* 459.—Polynesia.— $\frac{1}{2}$. (*Sydney*, 1911.)

Fraseri Benth. *Fl. Austr.* ii. 274; *Guilfoyle, Austr. Pl.* fig. p. 451.—Queensland, N. S. Wales.— $\frac{1}{2}$. (*Sydney*, 1911.)

STENOLOBIUM, p. 311.

fulvum Sprague in *Fl. Cap.* iv. 2. 448, adnot.—*Tecoma fulva* DC. ix. 224.—Peru.— $\frac{1}{2}$.

STERCULIA, p. 311.

alata Roxb.—*Fl. Brit. Ind.* i. 360; *Brandis, Ind. Trees*, 83.—India.— $\frac{1}{2}$. (*Proschowsky*, 1909.)

nobilis R. Br.—DC. i. 482; *Fl. Brit. Ind.* i. 358; *Brandis, Ind. Trees*, 84.—*S. monosperma* Vent. *J. Malm.* t. 91.—China, Sumatra.— $\frac{1}{2}$. (*Palermo*, 1911.)

TELFAIRIA *Hook.*—*N. Pff.* iv. 5. 22.—Cucurbitaceæ—Melo-thrieæ—Telfairiinae.

pedata *Hook.* in *B. M.* t. 2751–2; *Fl. Trop. Afr.* ii. 523.—Tropical E. Africa, Mascarene Islands.— $\frac{1}{2}$ §. (*Schweinfurth*, 1911.)

TEUCRIUM, p. 317.

massiliense *L.*—*DC.* xii. 585; *Gren. & Godr. Fl. Fr.* ii. 710; *Fl. d'It.* n. 3071.—Mediterranean region.— $\frac{1}{2}$. (*E. Jahan-diez*, 1911.)

THUNIA *Rchb. f.*—*N. Pff.* ii. 6. 122.—Orchidaceæ—Monandrac-Thuniinae.

alba *Rchb. f.*—*N. Pff.* l. c.—*Phajus albus* *Lindl. B. M.* t. 3991; *Fl. Brit. Ind.* v. 818; *King & Pantl. Orch. Him.* iii. t. 153.—Himalaya.— $\frac{1}{2}$. (*F. Hanbury*, 1908.)

TILLANDSIA, p. 320.

cæspitosa *Leconte.* — *Bak. Brom.* 175? — Florida — $\frac{1}{2}$. (*Washington*, 1911.)

utriculata *L.*—*Fl. W. Ind.* 596; *Bak. Brom.* 229.—Florida, W. Indies to S. America.— $\frac{1}{2}$. (*Washington*, 1911.)

TITHONIA, p. 321.

tubæformis *Cass.*—*DC.* v. 584. — *Helianthus tubæf.* *Jacq. H. Sch.* t. 375. — Mexico. — ☉. October–December. (*Oaxaca*, 1911.)

TOURNEFORTIA, p. 322.

trichocalycina *DC.* ix. 517. — Mexico. — $\frac{1}{2}$. (*Oaxaca*, 1911.)

TULIPA, p. 325.

fulgens *Hort.*—*Baker in Journ. Linn. Soc.* xiv. 1874, 285.—Origin unknown.— $\frac{1}{2}$. (*Herb*, 1911.)

Oculus-solis *St. Am.*—*Red. Lil.* t. 219; *Boiss. Fl. Or.* v. 192; *Fl. d'It.* n. 627.—Southern Europe, Western Asia.— $\frac{1}{2}$. March–April. (*Herb*, 1911.)

VITIS, p. 332.

bracteolata *Wall.*—*Fl. Brit. Ind.* i. 654.—Himalaya.— $\frac{1}{2}$ §. (*Sprenger*, 1911.)

Lindeni *Nich. Dict. Gard.* iv. 188. — Colombia. — $\frac{1}{2}$ §. (*Sprenger*, 1911.)

NOTES.

ABIES.

Several species have been tried, but only *A. alba*, *A. balsamea*, *A. cilicica*, and *A. Pinsapo* are doing well.

The latter species is generally reported as inhabiting the Sierra Nevada, but the tree does not occur there; its real habitat* being the Sierra de Ronda and the Sierra de las Nieves between Cadiz and Malaga.

ACACIA.

Most of the Australian species grow very well. A great number were already planted in the autumn of 1867, procured from nurseries in Hyères; others were received from Villa Thuret, Antibes. Some species, such as *A. dealbata*, *A. decurrens*, *A. harpophylla*, and *A. melanoxylon*, are long living trees with excellent hard wood, the last-named forming a fine erect stem. Most other species, for instance, *A. cyanophylla*, *A. longifolia*, *A. armata*, *A. cyclopis*, &c., do not attain any considerable age. *A. dealbata*, *A. Baileyana*, *A. podalyriæfolia*, and several other species dislike calcareous soil, and are therefore generally grafted on *A. retinodes*.

A. Hanburyana is a hybrid between *A. dealbata* and *A. podalyriæfolia*. It has an elegant erect growth and is bluish-glaucous throughout. *A. De Neufvillei* and *A. Siebertiana* are hybrids between *A. pycnantha* and *A. podalyriæfolia*. The former has narrow, strangely twisted leaves.

These three hybrids originated in Mr. L. Winter's gardens at Bordighera.

The following species (commonly called "Mimosa") are now extensively planted on the Riviera for the exportation of their flowers:—*A. dealbata*, *A. pycnantha*, *A. cultriformis*, *A. podalyriæfolia*, *A. obliqua*, and *A. Baileyana*.

A. sphærocephala.

Seeds of this plant were sent to us by Dr. Hermann Ross, Keeper of the Royal Herbarium, Munich, who collected them during the summer of 1906, near Mirador, in Mexico. So far the plants, though quite hardy, are small and have not yet flowered. From the form of the spines it seems to be this species rather than the very similar *A. spadicigera*. Both species have long been

* Willkomm & Lange, *Flora Hispanica*, i. p. 17.—Dr. Neger-Tharandt in *Naturw. Zeitschrift f. Land-u. Forstw.* Heft. 8. 1909.

known to science and were formerly comprised under the name of *A. cornigera* Willd. They attracted special attention, when Th. Belt* showed that they were inhabited by small ants. These ants live in the large hollow spines, which they perforate. The plants provide them with food and drink; the rachis of the leaves bears large black glands, from which, especially in the morning, a fluid exudes, which affords the drink, whilst on the tips of the young leaflets small fleshy appendages are produced for food. The ants, in their turn, defend the plants against herbivorous insects and animals. During the dry season these Acacias lose most of their leaves and the thorns become depopulated, only a few ants surviving.†

At La Mortola ants are frequently observed feeding on the glands of the leaves, but not on the fleshy appendages.

ACANTHOSICYOS.

A. horrida Welw. The "Naras" of South-West Africa, where it grows on the sand-dunes and constitutes the chief food of the Hottentots,‡ has been tried several times; first in May, 1881, from seeds sent by the late Prof. Charles Naudin, of Villa Thuret (received from the late Sir Joseph Hooker), and in 1898 and 1899 from seeds received through Mr. K. Dinter. The seeds germinated quickly, but the young plants never lived through the winter.

ACANTHUS.

A. arboreus forms large and very decorative bushes. It is quite hardy, flowering abundantly, but has not, so far, produced seeds. It was introduced by Prof. G. Schweinfurth from southern Arabia at the end of last century, and distributed by Cav. C. Sprenger, in Naples. The similar *A. montanus* does not do so well.

ACER.

A. oblongum, an evergreen tree, was grown from seeds received from M. Thuret, Antibes, January, 1870.

ACTINOSTROBUS.

A. pyramidalis, a curious little Conifer, allied to *Fitzroya* and *Callitris*, is reported by Parlatores§ as growing in places which are inundated during winter by the sea, but succeeds at La Mortola in a very dry position. It was grown from seeds given by Messrs. Veitch & Sons, in 1893.

ADENIA.

A. repanda Engl. was brought to La Mortola by Mr. K. Dinter from Windhoek, in 1905. It has a large tuber, from which in spring it sends up slender shoots. The plant is diœcious; both sexes are represented. The flowers are insignificant. It is grown

* Th. Belt, *The Naturalist in Nicaragua*, p. 218, 1874.

† For this myrmecophily see also Schimper, *Pflanzengeographie auf Physiologischer Grundlage*, pp. 154-155.

‡ *Kew Bulletin*, 1907, p. 343, plate 1.

§ De Candolle, *Prodromus*, xvi. 2. p. 444.

under glass. *A. Pechuelii* was also brought by Mr. C. Dinter in 1905, but did not live long.

ÆRIDES.

A. japonicum has been grown in the open for several years and flowered several times. We are indebted for it to Dr. H. Goldschmidt, Essen.

AGAPANTHUS.

A. umbellatus was first planted by Sir Thomas Hanbury, November 27th, 1868; procured from Messrs. Veitch & Sons.

AGAVE.

Agaves are perfectly at home at La Mortola, attaining their full size. Every year a number of interesting species throw up their tall inflorescences. Only a few tropical species are liable to suffer during winter.

The foundation of the present collection was laid by a large contribution from Mr. W. Wilson Saunders, of Reigate, whose classical collection of these plants furnished much of the material for Prof. Baker's elaborate account of the genus. The first consignment was received in June, 1868; it contained:—*A. yuccæfolia*, *A. Saundersii*, *A. laxa*, *A. Cantala*, *A. Rumphii*, *A. angustifolia*, *A. stricta*, *A. Jacquiniana*, *A. elongata*, and three unnamed plants. In spring, 1869, the following were received:—*A. scabra*, *A. mitis*, *A. applanata*, *A. Bouchei*, *A. ferox*, *A. Ellemeetiana*, *A. filamentosa*, *A. lophantha*, with several varieties of the last-named, and in 1870 *A. Bouchei* and *A. xylonacantha*.

Our knowledge of this interesting and beautiful genus is still very incomplete, and the confusion existing in books and gardens regarding their nomenclature is bewildering. Since Jacobi's* and Baker's† works, the Agaves have not been comprehensively dealt with, and a new and up-to-date monograph is urgently wanted.

I am greatly indebted to Prof. Pax, Breslau, for the kind loan of General von Jacobi's drawings and photographs, which were of great help to clear up many doubtful or neglected species, and to Prof. Trelease, Director of the Missouri Botanical Garden, for help in naming several Agaves of our garden, as well as for many of his newly described species.

The names given here can, in some cases, only be considered as provisional. I hope to give before long a full account of the Agaves grown at La Mortola.

A. americana.

This is the plant now seen everywhere in Southern Europe as far north as the Italian Lakes and Southern Tyrol, and which is particularly abundant on roadsides and rocks

* G. A. von Jacobi, "Versuch zu einer systematischen Ordnung der Agaveen," published in *Hamburger Gartenzeitung*, 1864–1867, and in *Abhandlungen der Schlesischen Ges., Naturw. Abt.* 1868–1870.

† J. G. Baker, "The Genus Agave," in *Gardeners' Chronicle*, 1877; reprinted in Baker's *Handbook of the Amaryllidææ*. London, 1888.

along this coast. It has been regarded in all European Floras as the plant of which Linnæus* says :—" *Cortusus plantam primus in Europa habuit 1561, hodie ab ea sepes in Lusitania.*"

We have several variegated forms of it :—var. *marginata*, var. *medio-picta*, var. *striata* and under the name of *A. Celsiana* Hort. Ital. (not *A. Celsii* of Hooker!) a form with pale green margins. *A. americana* takes about fifteen years before arriving at the flowering period.

A. angustifolia.

Under this name a plant was brought to La Mortola from Mr. W. Wilson Saunders in June, 1868. Whether this is identical with what later on in the garden was called *A. excelsa* I do not know. These plants agree with the description and figures of *A. angustifolia* as given by Prof. Trelease,† but do not usually produce bulbils with us.

A. asperrima.

The true *A. asperrima* is rather rare in gardens, *A. marmorata* being generally cultivated under its name. Our plants were given to us by Mr. A. Purpus, Botanic Garden, Darmstadt, having been collected by his brother near Viesca, in the State of Coahuila, Mexico. In general aspect the plant resembles *A. Salmiana*, but it is smaller and the leaves are extremely rough on both sides.

A. atrovirens.

With this species is generally united the closely allied *A. Salmiana*. *A. atrovirens* has the leaves more contracted at the base and more acuminate, with a very long and slender terminal spine; their colour is an almost shining dark green, very different from the ashy green or grey of *A. Salmiana*. We also grow a narrow-leaved variety, and a variegated form, *A. atrovirens marginata*.

A. aurea.

This species flowered in May–June, 1911, perhaps for the first time in Europe. The flowers are of a fine golden yellow.

A. barbadensis.

Was received from Prof. Trelease. It is "the Maypole," "Coratæ" or "the Silk-grass" of Barbados, where it is spontaneous on the lee side and is planted in hedgerows from which it escapes. (Trelease *in litt.*)

A. Beguini.

This hybrid was given to us in March, 1899, by M. le Chanoine Béguin, of Brignoles (Var), who informs me that it was probably raised in the Parc de la Tête-d'Or in Lyon, and that it was named and distributed by M. Pierre Rébut, at Chazey-d'Azerognes. The parents are not known. It belongs to the *Littæa* section,

* Caroli Linnæi *Species Plantarum*. Second edition, p. 461.

† See *Report Missouri Botanical Garden*, 1908, p. 279, plates 30–35.

and forms large patches when old, which flower almost every year.

A. Bouchei.

One of the plants received from Mr. W. Wilson Saunders in 1868; flowered for the first time in 1874 and since then has blossomed and fruited every year.

A. Cantala.

Another plant from Mr. W. Wilson Saunders's collection; flowered repeatedly and produced quantities of bulbils, from which the plant was largely distributed under the name of *A. vivipara* Baker (not *A. vivipara* Linn.!). It has established itself on half wild places of the garden by means of its bulbils.

A. dasyliroides and *A. dealbata*

are united by Prof. Baker; from Jacobi's descriptions and the plate in *Bot. Mag.* t. 5716 it seems, however, advisable to keep them distinct. *A. dasyliroides* was grown from seeds received from the Vienna Botanical Garden, 1908.

A. decipiens.

We are indebted for bulbils of this species to Mrs. MacAdow, Punta Gorda, and to Messrs. Reasoner, Oneco, in Florida.

A. densiflora.

Probably received from Mr. W. Wilson Saunders; it is now a large stemless bush, flowering annually.

A. elongata.

Often met with in gardens along the Riviera; is generally known here as *A. rigida* or *A. Ixtli*. It forms a stout stem, 0.50-1.50 m. high, with a rosette of very stiff, prickly margined leaves. The large panicle is ovate and produces innumerable bulbils. This is the true Henequen.

A. Engelmannii.

Seeds from the typical plant were sent by Prof. Trelease in March, 1892. The first plant raised from them flowered in 1903, but did not produce any seeds or suckers.

A. ferox.

A very stately and ornamental plant. Though nearly related to *A. Salmiana* and *A. atrovirens* it presents sufficient characters to be considered a distinct species. It was first given to La Mortola by Mr. W. Wilson Saunders in April, 1869.

A. Franceschiana.

A new, yet undescribed, species. Its leaves are entire or nearly so, with a few very minute teeth, in shape similar to those of *A. sisalana*, but softer, more fleshy and more glaucous. Their thick bases form a short round stem. The plant was received under the name of *A. angustifolia* in April, 1900, from the late Prof.

Zacharias, Director of the Botanic Garden, Hamburg. It flowered in summer, 1909, and produced many bulbils. Many of these bulbils, while still remaining on the mother plant, in 1910 formed little inflorescences a foot or more long, each carrying several flowers.

A. Franzosini.

Next to *A. Salmiana* the tallest species, with beautiful greyish white or bluish leaves, and called by Prof. Baker "The Prince of the Agaves." It was introduced at La Mortola about 1878, and flowered for the first time in 1889.

*A. Friderici.**

This very curious and elegant species was received from some garden as *A. Vera-Cruz*. It belongs to the "Americanae" section and is one of the taller species. It is remarkable in having the leaves very irregularly toothed and partly unarmed.

A. Funkiana.

This is an old inhabitant of our garden. Although closely related to *A. lophantha*, it is in leaf characters quite distinct, and agrees perfectly with Jacobi's description and photograph.

A. geminiflora.

This species has leaves with fibrous margins. See also note under *A. Knightiana*.

A. Hanburyi.

This was named by Prof. Baker during his visit to La Mortola in November, 1891. The plant consists of a single rosette, which so far has not produced any sucker and has not grown much since 1897. Below† I give a description of the plant as it is at present; as will be seen, this description differs in some respects from that given by Prof. Baker.

* *A. Friderici* Berger, n. sp. ex affinitate *A. americanae*.—Rosula acaulis, sobolifera. Folia circ. 35–40, juniora erecta supra medium leviter recurvula, seniora patentia, oblanceolata, $\pm$ 0.90–1.00 m. longa, basin versus angustata et 11 cm. lata, crassa, plana, superne tenuiora, carnosio-coriacea, late canaliculata—praesertim apicem versus—supra medium 24 cm. lata et hinc sensim acuminata, laevia, glauca, ad margines irregulariter dentata, saepissime a basi usque medium integra vel basi aculeolis paucis instructa, superne marginibus $\pm$ late et profunde sinuato-dentatis aculeisque validis corneis uncinato in- vel recurvatis 3–5 cm. distantibus et 10 mm. longis juventute rubro-brunneis vel roseis armata, aut etiam medio integra et supra et subius aculeata, ad apicem profunde canaliculatum spina terminali subulata atrobrunnea 3–4 cm. longa supra canaliculata et per 4–6 cm. decurrente munita. Flores adhuc ignoti.—Mexico? Certe bona species, vix hybrida hortensis.

† *A. Hanburyi* Baker—Rosula simplex, ca. 70 cm. diam. Folia circ. 35–40, rigide patentia vel erecto-patentia, e basi 7 cm. lata et ca. 25 mm. crassa sensim acuminata, 36 cm. longa, supra basin plana superne late canaliculata, subtus convexa, subglauca laevia, ad margines linea cornea continua brunnea cincta et in spinam terminalem robustam 3 cm. longam brunneam supra canaliculatam exeuntia, et a basi ad apicem aculeis marginalibus valde irregularibus tenuibus aetate fere ecoloratis armata, basalibus irregulariter confluentibus superioribus distinctis flexis 7–8 mm. longis. Interdum folia dorso basin versus verrucoso-asperiuscula et lineis obscurioribus substriata, et apice carinula aculeisque paucis more Aloarum instructa.

A. Haynaldi.

Was received in May, 1897, from Dr. H. Ross, then Acting Director of the Botanic Garden, Palermo. It flowered from November, 1910, till March, 1911.

A. Henriquesii.

Was received in March, 1891, from Prof. Henriques, Director of the Botanic Garden, Coimbra, and from Messrs. Haage & Schmidt, of Erfurt. It flowered for the first time in the summer of 1905.

A. ingens (nom. nov.).

The variegated form of this species was described by Prince Salm-Dyck in 1859 as *A. picta*. He states that it was introduced into the Jardin des Plantes, Paris, and that its normal type was unknown to him. This variegated plant is now very common in all gardens, and has often been confused with variegated forms of *A. americana*, from which it is however readily distinguished by its slender end-spine and differently shaped marginal prickles.

The normal green type of the species was first discovered by the author on rocks at La Mortola, where it had grown from seeds of the variegated form.* We have since sown seeds of the variegated form, and the seedlings were invariably of the green type. As Salm's name *A. picta* can only be referred to the variegated form, the green type had to be named.

Whether *A. Milleri* of Salm and other authors has anything to do with it I do not know. *A. Milleri* Haworth (= *A. virginia* Mill. Dict. ed. 8, n. 2), however, cannot be the above, as it is said to be "scapo simplicissimo," nor can *A. ingens* be identified with *A. americana* L.

A. Karwinskii.

The history and intricate synonymy of this species have been cleared up by Prof. Trelease. When old it forms a stem, along which the leaves are disposed in an elongated rosette; the plant thus resembles, from a distance, a *Yucca* rather than an *Agave*. The Mortola plant was brought from the Botanic Garden, Palermo, in January, 1901.

A. Knightiana.

This plant is generally grown as *A. geminiflora*, and has also been figured as such by Lindley in *Bot. Register* (1828) t. 1145. Mr. Drummond, of Kew, has pointed out † that Lindley's text does not correspond with his plate, and that the latter represents an undescribed species, to which he gave the above name. It differs chiefly from *A. geminiflora* by having the leaves without any fibres along the margin. I have, however, no experience yet as to the validity of this character and the amount of variation of it in *A. geminiflora* and *A. Knightiana*.

* See my note and figures in *Gartenwelt*, 1904, p. 337.

† In *Bot. Mag.* under plate 8271.

A. Kochii.

This species is closely related to *A. xylonacantha*, but has sufficient characters to be considered specifically distinct. It flowered in the summer of 1909 and subsequently died, but having produced many seeds we were enabled to propagate and distribute it. It is smaller than *A. xylonacantha*, and has narrower and more numerous leaves.

A. latissima.

This plant is known in gardens as *A. coccinea*, which, of course, resembles it to some extent. It is no doubt the *A. latissima* of Jacobi, a very distinct species, and by no means a mere variety of *A. atrovirens* or *A. Salmiana*.

A. Legrelliana.

A most beautiful plant, with enormous orange flowers; according to Prof. Trelease the most imposing species when in bloom. Our plant was received through the kindness of Prof. C. F. Baker, when in Santiago de las Vegas, in Cuba, and came from the coast hills of Cojimar. So far the rosette has not produced any sucker. It seems to be hardier than *A. Willdingii*.

A. lurida.

We have at least three different plants under this name. In agreement with Mr. Drummond I retain the name for what is known in gardens here as *A. mexicana*.

A. macroacantha.

The variety *planifolia* has the leaves flatter, or even concave above, with smaller marginal spines than the type.

A. marmorata.

A very decorative species, with almost white and very rough leaves, was received from Kew and Palermo, and flowered in June, 1911. It has small bright yellow flowers.

A. massiliensis.

Probably of garden origin; was grown from seeds received from Messrs. Haage & Schmidt, of Erfurt, in March, 1901.

A. miradorensis.

This plant is now frequently seen, as the inflorescence produces bulbils. It resembles *A. sisalana*, but has denticulate leaves.

*A. mortolensis.**

This seems to be a hybrid which has originated in our garden,

* *A. mortolensis* Berger, n. hybr.—*Rosula maxima*, acaulis, sobolifera. Folia circ. 25–30, e basi eleganter patentia, erecta vel erecto-patentia, apice recurva, lineari-lanceolata vel e basi lata crassissima 20 cm. lata sensim attenuata et angustata, 1.60 mm. longa, subtus valde convexa, supra late canaliculata apicem versus convoluta, lævia, glauca, ad margines aculeis crebris late deltoideis in- vel recurvato-uncinatis atrofusis 15–30 mm. distantibus et 4–5 mm. longis, sæpe minore interjecto, armata, apice in spinam 4 cm. longam subulatam supra canaliculatam et per 10–12 cm. decurrentem terminantia. Nondum floruit.

perhaps a cross between *A. ingens* and *A. Salmiana*. It is a very stately plant, producing many suckers.

A. neglecta.

Was sent by Prof. Trelease in December, 1911. It is the large wild Agave of Florida.

A. parrasana.

This was collected in 1905 on the Sierra de Parras by Mr. C. A. Purpus. The three plants on which the species was founded have not yet flowered.

A. paucifolia.

In 1905 we received several plants through Mr. C. A. Purpus from Mexico, without further indication of the locality. One of them flowered in the summer of 1910, and proved to be this species. Some specimens have leaves of a fine brownish violet hue.

A. potatorum.

A plant received under this name from the Botanic Garden at Munich, in 1909, seems to agree in every detail with the original description. It is a small plant, allied to *A. Scolymus*, and quite different from the one erroneously known in gardens as *A. potatorum*,* which is in fact *A. coarctata* Jacobi.

A. portoricensis.

This, the "Cocuiza," of Porto Rico, was sent to us by Prof. Trelease, April 17th, 1908. It is viviparous. The plant was originally found at Sabanah Grande, at the western end of the island.

A. Pringlei.

Under this name I found several plants in the garden, apparently all grown from the same seeds, but differing greatly among themselves. One specimen flowered twice and its flowers correspond with those of *A. Peacockii* as figured on plate 7757 in *Bot. Mag.*, except that the segments were not blotched as shown on the plate. Our plants are probably of hybrid origin. The peduncle, flowers, and capsules seem to present the mixed characters of the sections *Littæa* and *Euagave*.

A. pumila.

This is the smallest of the genus,† never growing taller than 1 inch or $1\frac{1}{2}$ inch; it produces some offsets, but has never shown any tendency to flower. The plant agrees exactly with Prof. Baker's description, except that it belongs to his section "Marginatæ," and not to the "Submarginatæ." It was given us by M. le

* See *Gardeners' Chronicle*, 1894, i. p. 628, with Supplement figure of May 19th, 1894.

† See also Wm. Trelease, "The Smallest of the Century Plants," figs. 5 and 14 (in *Popular Science Monthly*, December, 1910).

Chanoine Béguin, of Brignoles, in March, 1899, under the name of *A. Simonis*.

A. Reginae.

A garden name for a very distinct species with small glaucous rough leaves; may possibly be *A. megalacantha* Hemsley. The plant was received from Mr. M. Herb, Naples, in January, 1901.

A. rigida Hort.

As Prof. Trelease has shown,* the true *A. rigida* Mill. is not known to exist anywhere in cultivation. The plants generally called *A. rigida* in gardens are *A. elongata*.

A. Rovelliana.

Under this name a small Agave is cultivated, which has the leaves mottled like those of *A. Terraccianoii*. I could not ascertain where Todaro has described it, although the species is attributed to him in the "List of Seeds of the Palermo Botanic Garden."

A. Salmiana.

Though somewhat variable, this plant is generally larger than *A. atrovirens*, and always recognisable by its ashy-grey leaves, which are generally few in a rosette, and very thick and broad at their base; the end-spine is stouter than in *A. atrovirens*. We have several forms and a narrow-leaved variety. *A. Salmiana* and *A. atrovirens* are much cultivated in Mexico for "pulque."

A. Sartori.

We are indebted for this plant to Prof. A. Borzi, Director of the Palermo Botanic Garden. A plant purchased from Messrs. Haage & Schmidt as *A. sp.* from Paso del Macho proved to be the same species.

A. Schlechtendalii.

I identified this species with the help of Jacobi's original photograph. It is by no means a form or variety of *A. atrovirens*, but a very distinct species. It is slow growing, with very glaucous leaves.

A. schidigera.

Though closely allied to *A. filifera*, this is without doubt specifically distinct. It never produces offsets, but always dies after flowering.

A. Schottii.

Introduced at La Mortola by Mr. C. A. Purpus from Mexico, in 1905. This throws out suckers freely.

A. Scolymus.

Under this name several closely allied plants are grown here. One of them, which approaches the type very closely, flowered in 1909.†

* See Report Missouri Botanical Garden, 1908, pp. 273-279.

† See my note in *Gardeners' Chronicle*, 1910, i. p. 422.

The plant figured as *A. Scolymus* in *Gartenwelt* is now lost, the flowering specimens having produced neither seeds nor suckers. It is altogether a different plant, resembling in many ways *A. crenata*. I have not seen it elsewhere, and as it is yet undescribed, I give it the name *A. calodonta*.*

A. Shawii.

Was procured in May, 1905, from Mr. C. A. Purpus, who sent it from Flagstaff, California.

A. sisalana.

This is the plant so much valued and cultivated on a large scale in many tropical countries for its strong fibre, the "Sisal Hemp." It is not a variety of *A. rigida* nor of *A. elongata*, but a distinct species. It succeeds perfectly well at La Mortola, and is easily propagated by the many hundreds of bulbils, which each plant throws out after having flowered.

A. spectabilis.

A very fine species with long linear glaucous leaves, for which we are indebted to Prof. Borzi, of the Botanic Garden, Palermo. We received it in January, 1901.

A. spicata Cav.—*Kunth, En. v. 828*.

In *Kew Bulletin* (1892, p. 6) Prof. Baker speaks of this as cultivated at La Mortola. The plant is not mentioned in our Catalogue of 1897, nor have I been able to discover it in the garden.

A. spiralis.

This was sent by Mr. C. A. Purpus from California in 1905. According to my idea it does not differ from *A. decipiens*, an opinion which is shared by Prof. Trelease.

A. Terraccianoi.

Was received from the Botanic Garden, Berlin, in July, 1898. A plant received from Messrs. Haage & Schmidt as *A. maculata* is evidently the same species.

A. uncinata.

This deserves to be considered as a distinct species. Our plant agrees with Jacobi's description and photograph.

A. Verschaffeltii.

A rather variable species, closely allied to *A. Scolymus*. We are indebted for several plants to Mr. A. Purpus, of the Botanic Garden, Darmstadt, whose brother, Mr. C. A. Purpus, collected them near Puebla, Mexico.

A. Victoræ-Reginæ var. *laxior*.

Was received from Mexico through Messrs. Nabonnand,

* *A. calodonta* Berger, n. sp.—*A. Scolymus* Berger (not of Karwinski) in *Gartenwelt*, 1898, ii. p. 603, with figure.

Golfe-Juan, in 1903. It differs from the type by having fewer leaves in the rosette, which therefore looks much looser. From a horticultural point of view it is much less beautiful than the type.

A. Villarum.

Said to be a hybrid grown from seeds of *A. filifera* fertilized by *A. xylonacantha*. One of the brothers Villa, Cesare Villa, was head gardener at La Mortola.

A. Weberi.

Received from the late Dr. A. Weber, Paris, and again from the Jardin des Plantes in 1910. This species is cultivated north of San Luis Potosi for the production of the Mexican national beverage, the "pulque." It was first brought to Paris by Dr. Weber in 1866. We also have a plant from Puebla, collected by Mr. C. A. Purpus.

A. Wercklei.

This was received from Mr. C. Wercklé by Dr. A. Weber, who gave it to La Mortola in September, 1901. Mr. C. Wercklé sent it again in 1911.

A. Willdingii.

Was nearly killed by frost in January, 1905, but flowered subsequently in the summer and produced several bulbils.

We have very similar and possibly identical young plants in cultivation, the seeds of which were sent by Prof. C. F. Baker, March, 1907. They were collected by Mr. van Hermann on the summit of the Sierra Pinar del Rio, Cuba.

A. xylonacantha v. *mediopicta*.

This rare plant was received from the late Mr. Justus Corderoy, of Blewbury, Didcot.

A. zapupe.

Is the plant grown as "Zapupe" for its fibre between Vera Cruz and Victoria. The plant was sent by the author in 1909.

AKEBIA.

Both species do well and flower abundantly, but have never fruited here.

ALBERTA.

A. magna, a beautiful shrub, has been tried several times, but so far without success.

ALOE.

These plants generally thrive very well at La Mortola, especially those from the Cape. They are so well acclimatized that they have adapted their flowering season to our latitude. Many, including the most beautiful species, which flower in their South African home during June-July, flower here from Christmas till spring and are at this time a great ornament to the garden.

Buds and flowers are, however, very sensitive to frost and easily damaged during cold winters.

For a full account of the Aloes and allied genera cultivated at La Mortola see my monograph.*

We distribute annually a large number of seeds of these plants. It must be remembered, however, that they are very often the product of fertilization by bees, from which numberless hybrids result.

A. abyssinica.

For the intricate synonymy and history of this species see my monograph. The plant has been largely distributed in gardens under the names of *A. elegans* and *A. Peacockii*.

Its hybrid with *A. striata* (syn. *A. Hanburyana*) originated at La Mortola. It is an attractive plant with the habit of *A. abyssinica*.

A. æthiopica.

The single specimen of this plant used to flower at Christmas. It was figured in *Bot. Mag.* t. 7667 under the wrong name of *A. Schweinfurthii*. The plant suffered during the winter of 1901 and subsequently died. It is a native of Abyssinia and grows near Abba Gerima at an elevation of 6-9000 feet. The plant never produced seeds, not even by artificial impollination, nor offshoots, and it has not been possible to procure another specimen. *A. Schweinfurthii*, quite a different plant, is a native of Niam-Niam-land, and has never been introduced.

A. arborescens.

The type (var. *Milleri*) has a tall stem, green leaves, and a large pyramidal spike of deep red flowers. It is rather rare. There is a good specimen of it in the Temperate House at Kew. Very near to it comes the var. *Ucriæ*, with longer, more falcate leaves and shorter and paler flowers. Var. *viridifolia* has broad green leaves and paler flowers than the type. Var. *natalensis* has the flowers similar to the type, but very glaucous leaves. It is generally accepted—for instance, by Prince Salm-Dyck—as the true *A. arborescens*. On the Riviera, where it is commonly cultivated, it flowers from December to February. Var. *pachythyrsa* is similar to it, but the leaves are stouter and even more glaucous; the flowers, in very thick racemes, are larger and showier. Var. *frutescens* is hardly distinguishable from var. *natalensis* when out of flower. Its spikes are much shorter and appear later. It is the most commonly planted variety, though less attractive. For a more detailed account see my monograph.

A. arborescens and var. *frutescens* were first brought from Kew by Mr. Daniel Hanbury, in July, 1868, and the former again from Villa Thuret, in October, 1871.

* A. Engler, *Das Pflanzenreich, Regni vegetabilis conspectus*.—Part iv. 38, iii. 2; Alwin Berger, *Liliaceæ-Asphodeloideæ-Aloineæ*. Leipzig, 1908.

A. aristata.

During the dry summer the rosettes close entirely, being wrapped up by the old withered leaves, and nearly buried in the ground; they open again with the first autumnal rains.

A. Bainesii.

We have a young vigorous plant of this species. Its total height is now 3.50 m., its stem 1.90 m. with a diameter of 19 cm. So far it has not flowered. It requires a very sheltered place, and is apt to suffer during a cold winter.

A. bamangwatensis.

This is an interesting form of the widely spread *A. zebrina*. It was sent us by the author, Prof. S. Schoenland, of Grahamstown, in May, 1905.

A. cæsia.

This pretty arborescent *Aloe* is often seen on the Riviera. It flowers on into the summer, but seldom fruits.

A. Cameroni.

A tropical species received from Kew. It is not quite hardy and is often damaged during winter, but nevertheless flowers annually.

A. capitata.

Was introduced by the late Max Leichtlin, of Baden-Baden. A fine specimen flowered in the open in May, 1899, and produced seeds, from which it was propagated and distributed. The old plant, figured in my monograph, was killed by frost in January, 1901.

A. ciliaris.

Was first sent to La Mortola by Mr. Daniel Hanbury in August, 1870. It now forms large bushes with intertwining branches, which occasionally climb up trees nearly 10 m. high. From December to March it is a mass of gorgeous flowers.

A. commutata.

When out of flower this is difficult to distinguish from *A. saponaria*. *A. tricolor* Baker certainly belongs to the same species and is scarcely a variety.

A. Corderoyi.

This hybrid was raised by the late Mr. Justus Corderoy between *A. plicatilis* and *A. variegata*, the extremes of the genus. It is a dichotomously branched shrub. It flowered first at La Mortola in May, 1907. For a full description of this curious plant see my monograph of the genus.

A. Davyana.

Was kindly sent by Prof. S. Schoenland in May, 1905. It flowered in March, 1907. A very similar plant was found in the garden, without label, in 1897. Its origin is unknown.

A. Dawei.

Only succeeds in very sheltered places. It was grown from seeds sent from Entebbe by Mr. Dawe in 1905.

A. dichotoma.

One of the giants of the genus; is only represented by a few seedlings, which are of slow growth. They came from seeds sent from German South West Africa by Mr. K. Dinter.

A. eru.

This is the plant almost invariably seen in gardens under the wrong name of *A. abyssinica*. It was re-introduced by Prof. Schweinfurth. There are several forms, named by Cav. C. Sprenger, Naples, from whom we received the following:—*erecta*, *glauca*, *maculata*, and *parvipuncta*.

A. ferox.

Seeds of this species, which, next to *A. supralævis*, yields most of the drug *Aloe*,* were introduced to La Mortola in June, 1872, by Mr. Daniel Hanbury, probably received from Prof. MacOwan. Further, seeds of "a medicinal Aloe of Natal, 10–15 feet high," were sent in 1871, no doubt from the same source. From these seeds all the tall specimens in the garden must have grown.

The variety *xanthostachys* has flower-spikes entirely yellow, whilst in the type the buds are red and the open flowers yellow.

A. Greenii.

This was received, in 1905, from Mr. I. Lynch, of Cambridge, and Prof. S. Schoenland, of Grahamstown. It grows and flowers abundantly, though rather sensitive to cold.

A. hereroënsis.

This has been repeatedly tried, but has never succeeded for any considerable period.

A. lateritia.

Is rather tender. It has flowers of an extremely fine glossy red. We are indebted for the plant to Prof. Dr. A. Engler, Director of the Botanic Garden, Dahlem, who brought it from Mount Bomule, near Amani, German East Africa, in 1902.

A. longiflora.

Belongs to the section "Principales," and has yellow flowers. It was received from Glasnevin through Mr. (now Sir Frederick) Moore, in 1906.

A. Marlothii.

Was kindly sent by Dr. R. Marloth, of Cape Town, in 1905. It belongs to the section "Pachydendron," and is allied to *A. ferox*, but has the leaves more prickly on both sides, and the branches of the inflorescence spread almost horizontally.

* Flückiger & Hanbury, *Pharmacographia*, p. 616; second edition, p. 679.

A. mortolensis.

Is a hybrid between *A. variegata* and *Gasteria acinacifolia*. It is probably one of the hybrids raised by M. le Chanoine Béguin, in Brignoles.

A. Pegleræ.

Was received from Prof. Schoenland, of Grahamstown, in 1905, and recently again from Kew.

A. pendens.

This was received July, 1898, from the Royal Botanic Garden at Berlin, where it was introduced through Prof. Schweinfurth. It flowered for the first time in March, 1902, and was figured in *Bot. Mag.* t. 7837.

A. percrassa.

Of this we only possess the variety with large bracts (var. *saganeitiana* Berger).

A. Perryi.

This is the plant yielding the Socotrine aloe.* Seeds of it were received through Prof. R. von Wettstein, of Vienna, in February, 1901, but the plant perished during the winter of 1910-11.

A. plicatilis.

Was first procured by Mr. Daniel Hanbury from Mr. Thomas Cooper in July, 1868, and again in October, 1871. It forms little trees or bushes and grows but slowly.

A. pratensis.

Was bought in July, 1888, from Prince Troubetzkoy's garden at Borghetto, and came from Basutoland.† We have only this single rosette, which flowers annually without producing seeds or offsets.

A. rubrolutea.

Next to *A. dichotoma* the largest species in South Western Africa, was recently introduced, having been collected by Mr. Kurt Dinter, in German South West Africa, and by Mr. H. Baum, of Rostock, on the Cunene River. It flowered first at La Mortola in November, 1907, and was figured in *Bot. Mag.* t. 8263. The flowers resemble very closely those of *A. percrassa*, which is, however, a stemless plant. *A. rubrolutea* is perhaps not different from *A. litoralis* Bak.

A. rubroviolacea.

One of Prof. Schweinfurth's numerous introductions, was received from the Berlin Botanic Garden in July, 1898, and flowered for the first time in April, 1900. The plant was figured in *Bot. Mag.* 1903, t. 7882. From the seeds came a number of hybrids with very fine flowers.

* Flückiger & Hanbury, *Pharmacographia*, p. 622; second edition, p. 684.

† This is the plant mentioned by Prof. J. G. Baker in *Fl. Cap.* vi. 308.

A. Salmolyckiana.

Prince Salm-Dyck states that he first believed this species to be *A. africana*,* under which name he saw it in the Imperial Garden, at Schoenbrunn, in 1815. This name is still much in use for it, and was found attached, in 1897, to plants probably bought by Mr. Daniel Hanbury in April, 1872, from M. Pfersdorff, in Paris. It is one of the finest arborescent species, with fiery red, long flower spikes. Our tallest specimen is about 2.50 m. high, and composed of five big stems, each 50 cm. in circumference; at their bases hundreds of smaller rosettes have formed.

The variety *fulgens* is distinguished by more channelled leaves and even more robust stems. Our tallest specimen is 3.00 m. high.

A. spuria.

Is a plant of unknown origin, which I found in the garden as *A. commutata*. It has very long flowers, and may be a hybrid.

A. striata (A. Hanburyana).

The seeds of this were received from Prof. MacOwan in April, 1873, and entered as:—"Aloë, dwarf species, leaves rosulate, thick, red margined, flower stem 2 feet high, flowers scarlet, very handsome. Mr. MacOwan wishes to be told if this succeeds" (D. H.).

Later on Mr. Daniel Hanbury added a note:—"Aloë albocincta" (a synonym of *A. striata*).

A small plant was given by Mr. Daniel Hanbury to Prof. Charles Naudin,† who believed it to be a new species, and described it as *A. Hanburyana*, a name which unfortunately cannot stand.

A. Steudneri.

Was collected in Eritrea by Prof. Penzig and Prof. Schweinfurth, and presented by the former to the garden in 1901 as an unnamed species. It first flowered in 1911, and could be identified as this rare and, so far, insufficiently known species.

A. Straussii.†

This new species was received in 1910, from the Royal Botanic

* *Aloë africana* Mill. is a rare plant in gardens. I saw it in flower in the Public Gardens of Monaco in November, 1911. There is a good figure of it in *Bot. Mag.* t. 2517.

† Then at Collioure in the Department of the Eastern Pyrenees.

‡ *A. Straussii* Berger, n. sp.—Rosula acaulis, circ. 15-foliata, 40 cm. lata et 22 cm. alta. Folia patentia leviter in- vel recurvula, 18–20 cm. longa et 55–62 mm. lata, 8 mm. crassa, carnosa, mollia, lanceolato-deltoidæ apice contracto-acuminatis, supra paullum canaliculata obscure viridia vel viridi-brunnea maculisque sæpe geminatis oblongis irregulariter transverse fasciata, subtus magis maculata et obscure striata basin versus fere albida, ad margines linea cartilaginea tenui cineta aculeisque deltoideis gracilibus acutis sed haud pungentibus 2–4 mm. longis pallidis vel rubellis dentata. Pedunculus simplex (semper?) 45 cm. altus nudus brunneus, racemo brevi laxo 18–20-floro; bractæ anguste deltoideæ cuspidatæ, 15 mm. longæ; pedicelli erecto patentes rubelli 3 cm. longi. Perianthium 32 mm. longum basi inflatum supra ovarium constrictum hinc paullum decurvatum et inflatum segmentis brevibus ovato-deltoidibus recurvulis luteolis faucem rotundam formantibus; antheræ breviter exsertæ.

Affinis *A. lateritiæ*, sed differt floribus pallidioribus minus curvatis et circa ovarium et faucem versus minus ampliatis, foliisque minus carnosius apice contracto-acuminatis dentibusque cartilagineis crebrioribus.

Garden, Dahlem, through Mr. H. Strauss. It was collected by the late Mr. Walter Götze in German East Africa in 1899. It has proved quite hardy at La Mortola.

A. striatula.

The history of this species is rather complicated. It was first introduced at Kew by Bowie in 1823, and described as *A. striatula* by Haworth in 1825. Of this plant two beautiful watercolour drawings were made which are in the Royal Herbarium at Kew.

It had previously been collected by Burchell in 1813. Later on Prof. MacOwan collected the same plant in woods of the Boschberg, and sent dried specimens to Kew and living specimens to La Mortola. The dried material was described as a new species in 1880 (*A. Macowanii*), and the living plant at La Mortola, in 1892, as *A. aurantiaca*.

Dr. Otto Kuntze collected near East London, and named *A. cascadiensis*, what is most likely the same plant, which has thus received four names.

Our plants agree exactly with the watercolour drawings of Haworth's type.

A. succotrina.

This plant became known to science at the beginning of the seventeenth century, and got introduced into most botanical gardens. Its native habitat was forgotten for nearly two hundred years, and amongst other localities even Socotra was credited with being its home until the mystery was solved a few years ago by Dr. R. Marloth's rediscovery of the species in a hidden glen of the Table Mountain.*

Most pharmaceutical text-books erroneously mention *A. succotrina* as the chief supplier of the drug "Cape Aloe," but it is chiefly the following species and *A. ferox* which supply this commodity.

A. supralævis.

A native of Southern and South Eastern Cape Colony, is very similar to the Natal *A. ferox*, but its flowers are always disposed in dense cylindrical spikes, and are not bent to one side only, as in *A. ferox*. No doubt it was grown here from seeds sent by Prof. MacOwan.

A. vera.

This was at one time much cultivated in Barbados† for the production of the drug. Though found in the Mediterranean region it is probably not a native there, but was most likely introduced from the Canaries and Cape Verd Islands. On the Riviera it is not quite hardy, and is liable to suffer in the cold nights of late autumn and winter.

* R. Marloth, "Notes on *Aloe succotrina* Lam." in *Trans. South African Philos. Soc.* vol. xvi. part 3 (August, 1906), pp. 213-215.

† Wm. G. Freemann, "The Aloe Industry of Barbados," in *West Indian Bulletin*, iii. (1902), pp. 178-188.

ANISACANTHUS.

A. coccineus, a shrub with pretty red flowers on long slender branches, was given us by the late Dr. Otto Kuntze, of San Remo. It is evergreen, whilst *A. Wrightii* is deciduous and leafless during winter.

ANONA.

A. Cherimolia (the Cherimoya), a native of Peru, Colombia, Venezuela, and Brazil, has never produced fruits at La Mortola, but does so in several gardens in Southern France, for instance, in Villa Hindoue, Garavan.

ANTHOCERCIS.

A. viscosa has been lost.

ANTHOLYZA.

A. æthiopica was first grown from seeds received from Villa Thuret in January, 1870. It is now almost a weed in the garden, but useful for covering bare places under trees with a pleasant green during winter and spring. It flowers and seeds freely. The flowers are much visited by small birds (*Silvia* sp. ?) which pick holes in the bottom of the flower tube so as to get easy access to the honey.

Our plants correspond with the figure given in *Bot. Register* on plate 1159 (var. *bicolor* Baker, *Fl. Cap.* vi. 167). We also have a few plants with larger flowers, which may be var. *immarginata* Bak. *l.c.*

ARALIA.

Most of the plants grown in gardens under this generic name are not as yet exactly determined, and are not true Aralias. Of most of them the flowers are unknown.

ARAUCARIA.

Some of the species do quite well except *A. brasiliensis* and *A. imbricata*, for which the climate seems unsuitable. *A. Bidwilli* succeeds very well in many other gardens on the Riviera, but here the soil is most likely too dry for it. *A. Cunninghami* was grown from seeds sent by Mr. Daniel Hanbury in June, 1872. The tree is now about 15 m. high, and the circumference of the stem is 1·70 m. at the base. *A. excelsa* was bought from the Jardin d'Essai, Hamma, Algeria, in February, 1873. The largest specimen is now about 22·50 m. high. The stem measures 1·43 m. in circumference. The Araucarias frequently bear cones, but I have not seen any seedlings grown from them. Old trees often become rather bare, but if the branches are judiciously pruned they will soon put out a great many branchlets.

ARBUTUS.

A. Unedo, a native of this coast, but chiefly growing on sandstone, was first brought from Hyères in December, 1867. The largest tree is about 6·50 m. high, with a stem of 1 m. in circumference. The fruits of *A. Unedo* are often seen on the market.

ARCHONTOPHÆNIX.

A. Cunninghamii, known in gardens as *Seaforthia elegans*, though quite hardy and producing seeds freely in some gardens in Garavan, has suffered severely from cold several times at La Mortola.

ARGANIA.

A. Sideroxylon, the Argan tree of Morocco, was introduced by seeds received from Mr. Daniel Hanbury in March, 1870. At La Mortola it is a thorny shrub, producing fruits the size of an olive. A kind of oil is made in Morocco from these fruits (graines d'Argans). The wood is very hard.*

ARISTOLOCHIA.

The tropical species, such as *A. grandiflora*, require shelter under glass, but then flower in profusion. *A. brasiliensis* was grown for several years on an olive tree and flowered well. *A. elegans*, if grown in the open, seldom flowers.

BAMBUSA.

The first Bamboos, including *Arundinaria* and *Phyllostachys*, were planted in February, 1873, having been procured from the Jardin d'Essai, at Hamma, in Algeria. In 1904 another large collection was presented to the garden by Mr. Geoffroy St. Hilaire, of Gros Pin, Hyères.

BANKSIA.

Of *B. grandis* we had a fine specimen about 15 feet high, which flowered and fruited freely. It was received from Kew in January, 1879, and died in the summer of 1899. It has been impossible to replace it. Of *B. marcescens* there was a large tree near the house, which was given to Mr. Daniel Hanbury by M. Thuret, October 31st, 1871. This died in the winter of 1905, and was replaced by a younger specimen received from the Imperial Gardens at Schönbrunn.

Probably Banksias do not become old trees, as they die without any obvious cause, often very suddenly.

BEAUCARNEA.

So far the group *Nolineæ* was considered by Engler as consisting of two genera only, namely *Nolina* and *Dasyllirion*.† The genus *Beaucarnea* was merged under *Nolina*. Recently, however, American botanists have re-established this genus of Lemaire and added a new one.‡ According to Prof. Trelease§ these four genera can be distinguished as follows:—

* There is an interesting account of this plant in Hooker's *Journal of Botany*, vi. (1854), pp. 97-107, plates 3-4.

† Engler in Engler und Prantl, *Natürliche Pflanzenfamilien*, ii. 5, p. 71 (1888).

‡ *Calibanus*, Rose in *Contrib. U.S. National Herbarium*, x. p. 90 (1906).

§ The desert group *Nolineæ*, by William Trelease, in *Proc. Amer. Phil. Soc.* vol. 1. pp. 405-443 (1911).

- A. Ovary 3-celled; fruit wingless. Leaves serrulate-roughened.
 a. Fruit deeply 3-lobed, often inflated; seeds nearly globose, fleshy walled. Pedicels articulated rather far below the flowers *Nolina*.
 b. Fruit globose-triangular, not lobed or inflated; seed melon-shaped, thin walled. Pedicels articulated close to the flowers *Calibanus*.
- B. Ovary 1-celled; fruit 3-sided and 3-winged, not lobed or inflated.
 a. Pedicels articulated somewhat below the flowers. Perianth segments entire, acute. Leaves serrulately roughened on the margin. Inflorescence a panicle *Beaucarnea*.
 b. Pedicels articulated close to the flowers. Perianth segments denticulated, rather obtuse. Leaves on the margin (except the square-leaved species *D. longissimum* Lem. = *D. quadrangulatum* Wats.) armed with strong prickles and usually also serrulately roughened. Inflorescence a stout compound spike *Dasyllirion*.

Beaucarneas are stately arborescent plants with a stem more or less swollen at the base. Of *B. gracilis* seeds and seedlings were received from Mr. Purpus, of Darmstadt Botanic Garden, from the Dendrol. Ges. Vienna, and from Dr. Rose, of Washington. The largest specimen of *B. recurvata* is now 3.50 m. high, has six branches and a stem of 2.55 m. circumference at the base. It was bought from Prince Troubetzkoy's garden in July, 1888.

BESCHORNERIA.

Beschornerias are very decorative plants. The species are closely allied, some of them probably but forms of *B. yuccoides*.*

B. yuccoides was first bought by Mr. Daniel Hanbury from M. van Geert, in Ghent, in August, 1872. *B. argyrophylla* was received from Mr. Geoffroy St. Hilaire, Gros Pin, Hyères, in March, 1902. A yet unnamed plant was kindly sent by Dr. J. N. Rose, of the United States National Museum at Washington, in November, 1906. It was collected by him and Dr. Pringle (n. 19259) in the valley of Mexico at an elevation of 10,000 feet.

BIGNONIA.

I keep this old genus partly in the sense of De Candolle, but have followed more recent monographers, where it was possible to do so. Schumann's arrangement in *N. Pff.* iv. 3b. is difficult to follow, as it is impossible to place well-known garden plants, if fruits are wanting.

B. Tweediana is a rampant climber, easily covering walls and rocks, flowering and fruiting abundantly. Mr. D. Hanbury received it from Prof. Decaisne, of the Jardin des Plantes, in Paris.

BILLBERGIA.

A good many species are quite hardy and free flowering; some do well as epiphytes on trees. The hybrid *B. Leopoldi* × *Moreli* was raised thirty years ago by Dr. Attilio Ragionieri, of Castello,

* See my note in *Gardeners' Chronicle*, 1906, ii. p. 350.

near Florence. So far the plant has not flowered, neither have the three large specimens which Dr. Ragionieri sent us in October, 1909.

Bocconia.

B. frutescens, a shrub with decorative leaves but insignificant flowers, was received in February, 1902, from Cav. C. Sprenger, of Naples.

Bougainvillea.

B. spectabilis is a feature of Riviera gardens. The variety *lateritia*, also known as *B. Warszewiczii*, only differs in the brick-red colour of its bracts and in being somewhat less hairy than the type. *B. glabra* and its lower form or variety *Sanderiana* are shrubs with glabrous leaves, and almost equally decorative. I have not seen Bougainvilleas producing fruits.

Bougainvilleas were first bought from the Jardin d'Essai, Hamma, Algeria, in February, 1873.

Brachychiton.

B. acerifolius, the "Flame tree," does not blossom every year, but in some seasons it is literally covered with flowers. Our largest plant is 7.40 m. high and its stem has 87 cm. circumference at base. *B. Bidwilli* is a smaller tree, producing every summer beautiful red flowers and ripening fruits. Its var. *planior* has more opaque and flatter leaves. *B. luridus*, a very handsome young tree, has not yet flowered. *B. populneus* is frequently planted along the Riviera. *B. rupestre* was received from Kew in January, 1879. It is growing very slowly and has not made much progress in height during the fifteen years that I have observed it, except that the stem has become much thicker at the base and the plant is more branched. It is now a small tree with conical stem and pyramidal crown.

Buddleia.

Buddleias are among the most beautiful plants in the garden. *B. madagascariensis* is a huge climber covered in spring with hundreds of long fine yellow racemes. *B. auriculata* is a smaller, white-flowered not climbing shrub. *B. americana* forms a large shrub or almost a tree with stems of considerable size. It was received from Villa Thuret and planted in November, 1874. *B. globosa* was procured from Messrs. Veitch & Sons by Mr. Daniel Hanbury in January, 1868. *B. Colvillei* (not *B. Colvillei*) came from Kew some years ago, but does not grow so well here, nor has it ever flowered.

Buxus.

B. balearica, procured from Hyères in December, 1867, is a slow growing small tree.

Calibanus.

A monotypic new genus of *Nolineæ*; see note under *Beaucarnea*. *C. Hookerii* Trelease is the exact name now for *Dasylirion Hookerii* Lem. The plant has a depressed globose trunk with numerous

crowns of leaves. It was received from Kew in November, 1871.

CALLISTEMON.

These Australian shrubs do very well on the Riviera and resist a good deal of drought. They mostly flower in early summer. Some twenty plants of different species were procured from Messrs. Huber & Co., of Hyères, in the autumn of 1867. *C. lanceolatus*, *C. linearis*, and *C. rigidus* were grown from seeds received from Villa Thuret, in February, 1869.

CALLITRIS.

Seeds of *C. quadrivalvis* were received from M. Thuret, Antibes, in February, 1869. There are now many small trees in the valley and in the garden. The wood is hard, fine-grained, and very beautiful when polished. It was highly prized by the Romans under the name of Citrus.*

CALODENDRON CAPENSE.

Seeds of this were sent from the Cape by the late Prof. MacOwan in November, 1870. From these a large tree was grown, which did not flower until July, 1903, but now blossoms annually.† This tree loses its leaves in spring for a few weeks, whilst some younger individuals remain leafless for a longer period. At present the tree is about 10·50 m. high with a stem of 1·20 m. circumference at the base.

CALTHA.

C. polypetala was brought ten years ago from the Vatican Gardens by Miss Hanbury. It much resembles *C. palustris* but is far more vigorous.

CANARINA CAMPANULA.

An interesting climber with a large fleshy rootstock. It rests during summer and completely dies down, but begins to grow in the autumn and flowers from midwinter to spring. It is rather sensitive to frost. The fruits (produced here only after artificial impollination) are eaten on the Canaries, where they are known as "Bicarro."

CANTUA.

C. buxifolia was given to Mr. Daniel Hanbury by M. Thuret, of Antibes, in October, 1871. It is a most beautiful shrub, when in flower, but rather unsightly when at rest during summer. *C. bicolor* and *C. pyrifolia*, two equally interesting and beautiful species, are now lost from the garden. They came from the Imperial Gardens at Schönbrunn.

CAPPARIS.

C. spinosa, the common caper, is planted on walls all along

* See Strasburger, *Rambles on the Riviera*.

† See note in *Gardeners' Chronicle*, 1903, ii. p. 69, and figure in *Gardeners' Chronicle*, 1883, i. p. 217.

the Riviera, but is never seen to fruit here. Its variety *rupestris*, which is distinguished by herbaceous and deciduous (not woody and spinescent) stipules, fruits abundantly.

CARALLUMA.

C. crenulata was sent by Lt.-Col. Dr. D. Prain, when Director of the Calcutta Botanic Garden, from the Shan Plateau in Burma, in April, 1903. It flowered freely in August of the same year, but did not live long. *C. europæa* and its varieties are doing very well. The type collected on the Island of Lampedusa was sent in 1908 by the late Dr. Levier, from Florence; var. *Simonis* was gathered in Tunisia by Dr. A. Aaronsohn in April, 1909. *C. Nebrownii* is the giant of the cultivated species. It was sent by Mr. K. Dinter and flowered repeatedly. One specimen was figured in *Bot. Mag.* t. 8267. Other species have been received from Mr. N. E. Brown, of Kew; Mr. K. Dinter, of Okahandya; Cav. C. Sprenger, of Naples; Mr. G. Capelle, of Springe, &c.

CARICA.

C. candamarcensis was in cultivation for a number of years, and produced fruits, but was killed by frost in January, 1901. The plants were 2-3 m. high. The other species are deciduous and more hardy. Seeds of *C. quercifolia* were received from Cav. C. Sprenger, Naples, in February, 1902.

CASIMIROA EDULIS.

Two plants were sent out from England by Mr. Daniel Hanbury, September 22nd, 1869. They have grown into fine trees, about 9 m. high, flower every year, and often produce a good crop of fruit in October. The fruit is delicious when eaten at once, but becomes very bitter after a few days.

CASTANOSPERMUM AUSTRALE.

This beautiful tree, which does quite well in a garden at Garavan (Chalet des Rosiers), does not succeed at La Mortola, though it has been tried in almost every place in the garden. It is an evergreen, quick growing tree with interesting and beautiful flowers.* The fruits are edible when roasted, as are chestnuts, hence the name.

CASUARINA.

These are excellent garden trees, much planted along the Riviera. The tallest species, which is more or less pyramidal in habit, is *C. suberosa*. It has slender 6-8 ribbed branchlets, and small, somewhat elongate or oblong cones. Our largest tree is about 17 m. high with a stem of 2.20 m. in circumference. *C. Cunninghamiana* comes very near it, but has even finer branchlets, and smaller, nearly globular cones. *C. stricta*, the "She oak" of the Australian colonists, has long pendulous 9-14

* See my note in *Gardeners' Chronicle*, 1905, ii. p. 245.

ribbed branchlets; the rather large cones are ovoid with acute valves. *C. glauca* is a smaller tree with somewhat thick and roundish 10-12 ribbed branchlets.

A plant received in 1902 as *C. sumatrana* from Messrs. Veitch & Sons I presume to be the widely distributed and more tropical *C. equisetifolia*. Similar in habit is another tree, which may be *C. torulosa*. Neither has yet fruited.

Casuarinas produce an excellent, very hard wood.*

CATHA EDULIS.

An evergreen shrub, first planted by Sir Thomas Hanbury, November 27th, 1868, who had procured it from Messrs. Veitch & Sons. In Southern Arabia the plant is known as "Kat," of which the Latin name is an adaptation. The Arabs chew the leaves for a tonic, and also make something like a tea from them.†

CEDRUS.

Of this genus *C. Deodara* is doing best. *C. atlantica* and especially *C. Libani* are apt to die without visible cause, probably on account of our long summer drought.

CERATONIA SILIQUA.

The "St. John's bread tree," "Locust-bean tree," or "Carob tree." Twelve young trees were planted in December, 1867; they are now fine large trees, mostly male, the tallest measuring 8·00 m. with a stem of 2·50 m. in circumference.

CERBERA LACTARIA.

This beautiful plant has been tried, like *Plumiera alba* and *P. rubra*, but cannot be grown in the open.

CERCIS SILIQUASTRUM.

Known as the "Judas tree," is extremely beautiful when in flower. It is a native of this coast. Our specimen is 8·00 m. high, with a stem of 2·00 m. in circumference at the base.

CEREUS.

In June, 1868, Mr. Daniel Hanbury brought two large cuttings of *C. peruvianus* from Nice, and planted them against a wall. Strangely enough, however, *C. peruvianus* does not succeed in most parts of the garden, though it grows well in the neighbourhood, otherwise these first two cuttings ought to have grown by now into big trees. He also planted, in July of the same year, *C. nycticalus*, *C. tortuosus*, and *C. triangularis*, which he had received from Kew, and *C. hamatus*, which was obtained from

* About the industrial value of Casuarina see F. von Mueller, *Select Extra-Tropical Plants*, pp. 76, 77.

† For a full account of its use see Albert Beitter, *Pharmacognostisch-chemische Untersuchung der Catha edulis* (Strassburg, 1900).

Mr. Thomas Cooper, of Reigate. All these species are still in the garden, and some are no doubt the original specimens planted by Mr. Daniel Hanbury. In April, 1872, he bought from Mr. Pfersdorff, in Paris, a well-known cultivator of succulents:—*C. Bridgesii*, *C. chalybaeus*, *C. chilensis*, *C. Forbesii*, *C. fossulatus* (= *C. Celsianus*), *C. geometrizans*, *C. hexagonus*, *C. macrogonus*, *C. Spachianus*, and *C. tephraacanthus*. Most of these are still living, and have grown into fine specimens.

The collection has been greatly increased in later years by exchanges and purchases. A large number of very rare and interesting species were presented to the garden, in August, 1906, by Mr. W. Weingart, of Georgenthal, who has made a special study of the genus. Others were received from Dr. A. Weber; Mr. J. Söhrens, of the Botanic Garden, Santiago, Chili; Mr. C. Wercklé, of San José, Costa Rica; Mr. Winter, of Bordighera; Mr. Grässner, of Perleberg; the late Mr. Harry Franck, Frankfurt-on-Main; Messrs. Haage & Schmidt, of Erfurt, &c., also from the Botanic Gardens of Berlin, Kew, Palermo, Paris, &c.

The large *C. giganteus* was planted in front of the house on April 24th, 1904. It was procured from Belgium as a large cutting without root, and planted in pure charcoal, where it soon took root. It was then 1.50 m. high, and now (January, 1912) measures 2.10 m., with a circumference of 1.20 m.

The genus *Cereus*, as originally established by Miller, includes a great number of very different plants. In 1905 I published a systematic revision of the genus, based chiefly on observations made on the plants at La Mortola. In this paper * I established some twenty-three natural sections founded on characters of flower and fruit, with which the vegetative characters admirably combine; many of them occupy well-defined geographical areas. Later on Professors Britton and Rose † raised these subgenera and sections to genera.

CESTRUM.

A genus comprising many interesting and sometimes very handsome and freely flowering shrubs. *C. elegans* and *C. fasciculatum* were first introduced at La Mortola from Hyères in December, 1867. They are much alike in general appearance and in their flowers, but may be easily distinguished. *C. elegans* has a graceful habit, the flowers hang from long and slender branches, the leaves are longer, narrower and more acute, and the racemes are longer, without bracts or nearly so. *C. fasciculatum* has more upright branches, broader and less acuminate leaves, the flowers in more globular racemes surrounded at their base by a number of small leaf-like bracts.

* Alwin Berger, "A Systematic Revision of the Genus *Cereus* Mill.," published in *Report Miss. Bot. Gard.* 1905, pp. 57–86, plates 1–12.

† N. L. Britton and J. N. Rose, "The Genus *Cereus* and its Allies in North America," published in *Contributions from the United States Nat. Herbarium*, xii. part 10, pp. 413–437, plates 61–76 (1909).

CHAMÆROPS HUMILIS.

The "dwarf palm," though once indigenous on the Riviera,* has now disappeared as a wild plant, but is much grown in gardens. It is a very variable species, almost each individual plant differing from the others. The var. *arborescens* is the one with a tall stem; there are, however, forms with smaller and larger leaves. Var. *elegans* has slender petioles with small spines. Var. *tomentosa* has the leaves covered underneath with a somewhat scaly white tomentum. Var. *macrocarpa* is distinguished by larger fruits.

These plants were introduced at La Mortola from Hyères in December, 1867, and again from the Jardin d'Essai, Hamma, Algeria, in February, 1873.

CHEIRANTHUS MUTABILIS.

A very free flowering half-shrubby species, was introduced by Mr. Daniel Hanbury, in January, 1869.

CHRYSANTHEMUM.

All along the Riviera the shrubby Canadian species are now extensively grown for export, particularly *C. frutescens*, *C. Broussonetii*, and *C. grandiflorum*.

The Japanese *C. nipponicum* also does very well. It was received from Cav. C. Sprenger, in October, 1901.

CINNAMOMUM CAMPHORA.

Is not growing well at La Mortola, where it evidently dislikes the calcareous soil. Beautiful trees are occasionally met with on different soil along the Riviera.

CIRSIIUM (CHAMÆPEUCE) GNAPHALODES.

Now almost subspontaneous in the garden, was introduced by Mr. Daniel Hanbury from the Botanic Garden of Naples in May, 1872.

CISTUS.

"No species of *Cistus* was observed growing wild in the grounds of the Palazzo" (Daniel Hanbury, MS. notes of the garden, July, 1867). Seeds of *C. albidus* and *C. salvifolius* were collected by Mr. Daniel Hanbury near Mortola Superiore in the same month and sown in the valley, where they are now common and quite established. The *Cistus* were favourite plants of the late Sir Thomas Hanbury. A great number were procured on several occasions, for instance, from Hyères as early as December,

* For *Chamærops humilis* as a native of the Riviera, see Dr. F. Mader in *Annales de la Soc. d. Lettres, Sciences et Arts des Alpes Maritimes*, xix. 1905, p. 263, and my note in *Gardeners' Chronicle*, 1907, i. p. 213.

1867, from Messrs. Veitch & Sons in October, 1868, and repeatedly later on.

CITRUS.

The collection of "Agrumi" now in the garden is one of the most complete in existence. It was begun very early by Sir Thomas Hanbury and his brother.

I give the systematic arrangement with some alterations, according to Engler. I consider *C. decumana*, *C. japonica*, *C. medica*, *C. myrtifolia*, and *C. nobilis* as distinct species.

The form Bizzaria is a most interesting plant, as it is said to have originated as a graft hybrid in Florence before 1674. Risso calls it "l'arbre le plus singulier et le plus curieux de tout le règne végétale," and gives a long and detailed description, with an excellent plate. The tree produces fruits which are composed of the characters of oranges, lemons, and limes, and is also exceedingly variable in its leaves. This strange plant, as mentioned by Prof. Strasburger in his *Rambles on the Riviera*, was lost for a long time, but he succeeded in finding it in the Royal Horticultural School at Florence. Since 1908 we have a few small plants of it.

C. japonica was introduced in March, 1869, from Sir Thomas Hanbury's garden in Shanghai. It is a small shrub or tree, with fruits the size of a nut.

The form known as "Buddha's fingers" was received through Mr. Artindale, of Shanghai, in April, 1880. In this fruit the carpels are not united at the top, but free like the outstretched fingers of a hand. The tree constantly produces such fruits. Similar abnormalities are also known in the common Lemon.

C. decumana. "The East Indian islands are the native country of the Pampelmouse or Shaddock. Here it grows in the greatest perfection, and when cultivated with care, as at Batavia, it is an exquisite fruit. It was carried to the West Indies by the master of a trading vessel called 'Shaddock,' whose name it continues to bear." (Crawford, *History of the Indian Archipelago*.)

Through the kindness of Prof. Schweinfurth, we received in 1911 fruits of the lemon, generally grown in the East under the Arab name Beledi, from which we are growing a number of seedlings. This variety does not seem to be described by writers on "Agrumi." It is said to be a very thorny small tree.

The Bitter Orange is largely cultivated near Cannes and Grasse for the production of Orange Flower Water and Neroli oil. Essential oil of Lemon is also manufactured in Sicily and Calabria. The essential oil of Bergamot is obtained chiefly at Reggio from the full grown but still unripe and more or less green fruits gathered in the months of November and December. On the history and use of the Lemon, the Bergamot, and the

Bitter Orange, see the full account in Flückiger & Hanbury, *Pharmacographia*, pp. 103–116, second edition, pp. 114–129.*

CLISTOYUCCA.

A monotypic genus, very near to *Yucca*, and chiefly differentiated through the absence of the style. Seeds were kindly sent by Prof. Trelease in August, 1909. It is the "Joshua tree" of the Mohave desert, "the most imposing of the Yuccæ of the United States."

COCCINIA SESSILIFOLIA.

Was sent by Mr. K. Dinter from German S.W. Africa. It is an interesting climber with an enormously thick and long irregular tuber and pretty leaves and flowers. It dies down every autumn.

Cocos.

Of these very beautiful palms some extra-tropical species are much grown in the gardens of the Riviera, but generally under wrong names. They form the subject of an elaborate paper by Odoardo Beccari,† which unfortunately contains neither an analytical key nor descriptive notes.

Only two sections are represented in our garden, namely *Arecastrum* and *Butia*.

The former is easily known by its smooth and tall stems on which the leaf scars form distant rings. The leaves, which have a long base almost like a sheath, are bright green; the pinnae or leaflets being plumose in arrangement.

C. Romanzoffiana is the only species of the section *Arecastrum* grown at La Mortola. Barbosa Rodrigues considers *C. australis* Mart., *C. plumosa* Hook. fil., *C. Datil* Gris., *C. Geriba* Barb. Rodr., *C. acrocomioides* Drude, and *C. Martiana* Drude and Glz., as mere synonyms of it.‡ He nevertheless figures eight different forms, but assures us that they all belong to one and the same species. No doubt most of these forms have been introduced into Europe, and are also grown on the Riviera. The future will show whether they are only forms. The one which I keep here as var. *plumosa* Hort. has a strong and stout stem and rounded seeds.

The species which form the section *Butia* are very different from those just mentioned. In habit they have much in common with the species of *Phoenix*, and form, when old, a stem like these. Four species are in cultivation, occurring in gardens under a good many wrong names. Without flowers and seeds they are

* For a further account of the "Agrumi," see Gallesio's and Risso's works; further, Dr. Bonavia, *The Cultivated Oranges and Lemons of India and Ceylon*; Engler in Engler and Prantl, *Natürliche Pflanzenfamilien*, iii. 4, p. 195; O. Penzig, *Studi Botanici sugli Agrumi*, and Strasburger's *Rambles on the Riviera*.

† "Le Palme incluse nel genere *Cocos*." *Malpighia*, vols. i. and ii.

‡ T. Barbosa Rodrigues, *Palmeæ Mattogrossenses Novæ vel minus Cognitæ*, &c. Rio de Janeiro, 1898, pp. 13–18, t. iv.

not easily determined. If flowers are present, it will not be difficult to distinguish them by the following key :—

BUTIA Beccari.

- A. Spathe (sheath of inflorescence) fuscous woolly outside . *C. eriospatha*.
- B. Spathe smooth.
 - a. Petiole nearly as long as the leaf, leaves much recurved at the top *C. Jatay*.
 - b. Petiole decidedly shorter than the leaf.
 - α Leaflets or pinnæ regularly set *C. capitata*
var. *leiospatha*.
 - β Leaflets or pinnæ often crowded by 3-4 together *C. capitata*.

C. eriospatha.—Petiole about 80 cm. long, with deltoid spines, the lowest comparatively small. The leaf is 2·30 m. long, pinnæ equidistant, 50-60 cm. long in the middle of the leaf, upper ones gradually getting smaller, rachis very slender towards the top. Spathe about 1·20 m. long, thickly covered with brown wool outside.

C. capitata.—Petiole 0·85-1·00 m. long with uncinat slender spines, the lower ones rather long and pectinate. Leaf 1·65-1·80 m. long, pinnæ often crowded by 3-4, the middle ones 65-70 cm. long. Spathe 1·40 m. long, smooth on both sides.

C. capitata var. *leiospatha* is very similar to the last. Petioles 1·20 m. long, with stouter but shorter deltoid uncinat spines; leaf 1·50 m. long, with the pinnæ regularly set, about 65 cm. long, upper ones only little shorter. Spathe somewhat smaller, smooth.

C. Jatay (not *Yatay*).—Petiole 1·55 m. long and stout, with stout spines and very long fibrous ones at the base. Leaves 1·65 m., much recurved at the top, pinnæ irregularly grouped, often 3-4 together, 70-75 cm. long, the uppermost a little shorter but much narrower, nearly filiform.—This Palm has not yet flowered with us.

COFFEA.

The coffee tree only exists with difficulty.

COLLETIA SPINOSA.

Was grown from seeds received from M. Thuret, in February, 1869.

CONVOLVULUS.

C. floridus, an interesting shrub of 2 m. and more, was raised from seeds sent by Mr. Daniel Hanbury, in January, 1869, and some plants were bought at Hyères. This, and *C. scoparius*, another neither climbing nor winding shrub, furnish the "rose-wood" of the Canaries, which when rubbed has a scent of roses.

CORONILLA.

C. glauca has established itself in the semi-wild places of the garden, as has also, to a less extent, *C. valentina*. The latter was

first sown in several places by Mr. Daniel Hanbury, on December 10th, 1874.

COTYLEDON.

I maintain the genus in the sense of Pyrame De Candolle, for the African species. With the only exception of *C. Eckloniana* all the species enumerated succeed perfectly well. Some of the species, among them most likely *C. macrantha*, were introduced from seed sent by the late Prof. MacOwan, forty years ago.

CRYPTOMERIA JAPONICA.

For this fine Conifer our climate and soil are evidently little suitable.

CRYPTOSTEGIA GRANDIFLORA.

This beautiful climber was tried several times in the open, but without success.

CUPRESSUS.

I am greatly indebted to Dr. A. Henry, of Cambridge, for the determination of the Cypresses of the garden. *C. lusitanica* is much grown, and varies a great deal individually in habit. All the trees of this species were raised from seeds received from M. Thuret, of Antibes, in February, 1869, as *C. Benthamii*. Our largest trees are now about 16 m. high, with a crown of 12 m. diameter, and a stem of 2.20 m. circumference at the base, and 1.70 m. at 1 m. above the ground. The type has rounded cone scales, the var. *Benthamii* has pointed ones.

The tallest specimen of *C. sempervirens* was measured in 1909; total height 31 m., bare stem 8 m., circumference 1.30 m.

The tallest *C. macrocarpa* is 15.70 m. high, the stem is 3.45 m. in circumference.

CYCAS.

C. Normanbyana and *C. neo-caledonica* were lost. Of *C. revoluta* only female individuals were known in gardens, but some years ago a good number of male plants flowered in Mr. Winter's garden at Bordighera. We have now both sexes, and expect to have well-formed seeds in future.

CYNOMORIUM COCCINEUM.

This interesting parasite was grown for several years on the roots of *Atriplex portulacoides*. We are indebted for it to the Director of the Royal Botanic Garden at Cagliari.

CYPHOMANDRA.

C. betacea, the "tree tomato," has pleasant edible fruits. *C. fragans*, with showier flowers, was received from Kew, in October, 1903; so far this has not fruited.

DAHLIA.

D. imperialis, the prince of the noble genus, presents a marvellous sight when in flower. It was introduced into the garden

in December, 1867, from Hyères. *D. Maximiliana* has shrubby stems, and is less beautiful. It was figured in the *Botanical Magazine* from La Mortola specimens.

DASYLIRION.

A genus of very ornamental plants, all having prickly margined leaves, with the exception of *D. quadrangulatum* which has smooth quadrangular leaves. *D. Hookeri* is now called *Calibanus Hookeri* Trel. (see Supplement and note).

DATURA.

The shrubby species are great ornaments of our southern gardens, especially during summer. Of *D. arborea* we only have the double-flowered form. *D. sanguinea* occasionally ripens fruits. *D. chlorantha* came from Kew a few years ago.

DENDROBIUM.

D. nobile and *D. densiflorum* are not hardy here, but must be placed under glass during winter. They were received some years ago from Mr. Frederick Hanbury.

DIANTHUS ARBOREUS.

Was brought from Kew by Mr. D. Hanbury, November 27th, 1874.

DICKSONIA ANTARCTICA.

A great many of these have been tried, but, like other tree ferns, did not succeed for the want of a sufficiently cool and shady place.

DIMORPHOTHECA ECKLONIS.

I am informed that this beautiful little shrub contains prussic acid, and is, therefore, poisonous.

DIOON EDULE.

A large male plant was bought from Prince Troubetzkoy's garden in July, 1888. It stands in a very sunny position, in dry sandy soil, and does extremely well.

DIPLOPAPPUS.

A genus scarcely differing from *Aster*. *D. filifolius* flowers in autumn and winter. It was introduced, March, 1870. *D. fruticulosus*, introduced in March, 1872, has somewhat broader leaves, and flowers in spring. Both succeed well on dry and sunny banks.

DORYALIS CAFFRA (OR ABERIA CAFFRA).

The "Kai-apple" of South Eastern Africa, is a very thorny bush or small tree, suitable for hedges. In September it produces quantities of small apple-like edible fruits, which can be made into preserve. It was grown from seeds introduced by Mr. D. Hanbury in March, 1872. The plants are dicæious.

DRACENA.

Of *D. Draco* we have one much-branched plant, which, however, has but a low stem, and shows little of the majestic character of the species. It occasionally flowers and fruits. Another specimen, which is just beginning to form a stem, was planted in the "Canarian" group in 1900; some fifteen other young plants were put in the same place in October, 1909. *D. cinnabari*, which in habit resembles the former, but has shorter and stiffer leaves, was given to us by Prof. Balfour, of Edinburgh. *D. Ombet* was received from Palermo, having been collected by Dr. O. Beccari, in Nubia.

ECHEVERIA.

This genus was united with *Cotyledon* by Baker, Bentham and Hooker, and Schoenland. It is, however, well characterized by habit and geographical distribution (all the species are American), and in spite of some connecting links may always be readily recognized.* We are indebted to Drs. Britton and Rose, and to Mr. Purpus, of Darmstadt, for several of their new species. The genera *Lenophyllum*, *Oliverella*, and *Urbinia* differ but little from it.

ECHINOCACTUS.

Most species of this genus do well; some have perished but will be replaced. A number of rare species were acquired from the late Mr. Harry Franck, of Frankfort-on-Main, in the autumn of 1905. The large *E. Grusonii* was bought from Mr. Berge, of Leipzig, in October, 1897; it is now 40 cm. high, and 1.50 m. in circumference. For Chilian species we are indebted to Dr. J. Söhrens, Director of the Santiago Botanic Garden, and to Mr. E. Framm, of Hamburg; for species from Uruguay to Prof. Arechavaleta, Director of the National Museum at Montevideo, and for several Mexican species to Mr. Weinberg, of New York.

ECHINOCEREUS.

This genus may well be retained as distinct from *Cereus*, with which it is often united. The flowers are invariably actinomorphic, the stamens always of equal length, and connivent round the style, thus closing the tube. In these points they differ essentially from the great majority of the species of *Cereus*. Other distinguishing characters are presented by the stigmata, the ovary, tube and fruit, and the general habit of the species. *E. cinerascens* and *E. Ehrenbergii* were bought from the Jardin d'Essai, Hamma, Algiers, in February, 1873. They now form large patches in the garden, flowering every year in great profusion.

* See my note "Über einige unbeschriebene Echeverien," in *Gartenflora*, vol. liii. (1904), pp. 200-206.

ECHIUM.

The large shrubby species are very ornamental in spring. They were first introduced by seeds sent by Mr. Daniel Hanbury in January, 1869. *E. Wildpretii* is a new and interesting species, similar to *E. simplex*, but with pink flowers. It was given to us by Lord Walsingham in October, 1909, and flowered for the first time, April, 1911. Seeds of *E. Pininana* were kindly sent in December, 1911, by Dr. G. Perez. It also makes a single spike six to twelve feet high, with light blue flowers. The seeds were collected from a wild plant on the island of Palma.

ELÆODENDRON CAPENSE.

A pretty evergreen shrub or small tree with white fruits the size of an olive, was introduced by seeds, probably received from the late Prof. MacOwan, in June, 1872.

ERICA.

With the exception of the species mentioned in the Catalogue, Ericas have not been very successful, on account of the calcareous soil and water.

ERIGERON KARWINSKYANUS VAR. MUCRONATUS.

Seeds of this plant were given to Mr. D. Hanbury by Prof. Planchon, of the Jardin des Plantes at Montpellier, in May, 1868, under the name of *Vittadenia triloba*. The plant is now naturalized in the garden and in the neighbourhood, as well as in several other places on the Mediterranean.

The ray-florets are at first pure white; at that time only the pollen is ripe; when the pollen has been shed and the stigmata become mature the ray-florets become pale pink.

ERYTHRINA.

E. caffra is a most beautiful, profusely flowering shrub. *E. crista-galli* was bought in Hyères from Messrs. Huber & Co., in December, 1867. *E. insignis* is a large bush or tree about 11 m. high, deciduous in winter, with thick and thorny stems and branches. It flowers abundantly in spring and occasionally ripens fruits. It agrees exactly with Todaro's description and plate.

EUCALYPTUS.

E. Globulus and twenty other species were planted as early as December, 1867. In 1869 a great number of species were grown from seeds received from M. Thuret, in Antibes. In November, 1870, one hundred young trees were bought at Golfe-Juan. In February, 1880, there were fifty different species growing in the garden, but as they took up too much room, Sir Thomas Hanbury decided to reduce their number and only a few are now in cultivation.

The largest specimen of *E. Globulus*, on the main path leading down to the house, was planted in the spring of 1869; it was then 90 cm. high. On November 21st, 1871, it was measured by Mr. D. Hanbury and had then a circumference of 50 cm. at the base and of 48 cm. at 1 m. above the ground. On March 19th, 1873, it was found to have 75 cm. circumference at 1 m. above the soil; next year it was measured on March 6th, the stem was then 92 cm. in circumference and 14.65 m. high. It now measures 5.50 m. at the base and 4.55 m. 1 m. higher up, whilst the height is 24.50 m.

E. diversicolor is also growing very tall; our largest trees are about 21 m. high, with 2.40 m. circumference of the stem.

EUCLEA PSEUDEBENUS.

A small tree with tiny white flowers, grown from seeds sent by Mr. K. Dinter from German South West Africa.

EUCOMMIA ULMOIDES.

The Chinese Indiarubber tree; is deciduous. According to Dr. A. Henry, the bark of this tree is much esteemed by the Chinese as a tonic, and various other properties are attributed to it. We received the tree some years ago through the kindness of M. de Vilmorin, and again later on through Mr. Wilson.

EUGENIA.

E. edulis and *E. Mato* were grown from seeds received from the Botanic Garden at Buenos Aires in April, 1901.

EULOPHIA COLEÆ.

This orchid was received in 1905 from Prof. I. Baldrati, in Asmara, and lived for some years. Mr. Rolfe, of Kew, kindly named it for me.

EUPHORBIA.

E. abyssinica. There was formerly in front of the house a fine specimen, believed to be the largest in Europe, 19 feet high, with a circumference of the stem of $2\frac{1}{2}$ feet. It perished during the winter of 1896, when it was twenty-nine years old. A photograph of this plant was figured in *Gard. Chron.* 1896, ii. p. 497, and is reproduced here on plate 5.

E. Ammak was received from the Botanic Garden at Dahlem, in 1906.

E. biglandulosa is a perennial herbaceous species, attractive in habit and flowers. Seeds were collected by Mr. Daniel Hanbury in Calabria, and several young plants were raised from them in March, 1873. It has now become spontaneous in some places. The young fruits of this species are so eagerly eaten by birds that the plants must be covered with fine netting in order to obtain seeds.

E. canariensis was received from Kew in May and July, 1868, and also from Mr. Cooper, of Reigate. Our finest specimen is a

dense bush, 2·10 m. high with a circumference of 8·50 m. It sometimes suffers severely from frost.

E. candelabrum was received as a small plant from Kew. It stands under the shelter of the big Eucalyptus and is now 2·30 m. high.

E. Dinteri. This has often been confused with *E. virosa* and figured as such. It is, however, quite a distinct species. Seeds were first received from Salem in August, 1898, through Mr. K. Dinter. It is not quite hardy here, the climatic conditions of its native habitat—summer rains and dry winter—being exactly reversed in our case.

E. Erythræa was introduced from Eritrea by Profs. Penzig and Schweinfurth. The tallest specimen stands in front of the house. It is now 3·00 m. high, and ripens every summer a few fruits the size of a small cherry, from which it has been propagated.

E. grandicornis, which is furnished with ferocious spines, succeeds with difficulty in the open, but grows freely under glass shelter. A small cutting of this was brought from Palermo in 1901.

E. Marlothii has a cactus-like stem, which is leafless and resting during winter. In summer it throws out a number of branches about a foot long with large leaves. It flowers and seeds frequently. It was received from Mr. K. Dinter in 1905 and has proved more successful than *E. Dinteri*. It comes very near *E. Monteiri* Hook. fil. in *Bot. Mag.* t. 5534, but has lanceolate acute leaves and bracts.

E. multiceps, a very interesting little succulent, received in 1905 from Dr. R. Marloth, of Cape Town, was lost.

E. neriifolia was first procured from Mr. Cooper, of Reigate, in July, 1868.

E. neutra, a tall arborescent species, is not infrequent in large collections, where it is often named *E. abyssinica* or *E. Roylei*, though quite different from either. Our plant was introduced from the Palermo Botanic Garden in 1901.

E. parciramulosa. Cuttings of this were kindly sent from Cairo by Prof. Schweinfurth in April, 1911.

E. Phillipsiæ was received in 1906 from Mr. R. I. Lynch, of Cambridge.

E. polyacantha we had from Prof. Penzig, of Genoa, and native specimens from Eritrea through Prof. I. Baldrati, of Asmara.

E. Reinhardtii was received from the Royal Botanic Garden, Dahlem, in 1906.

E. resinifera. A cutting of this pharmacologically* interesting plant was brought to La Mortola by Mr. D. Hanbury in June, 1870.

E. Schimperiana was brought from Eritrea by Prof. Penzig in June, 1891. It is quite hardy.

* See Flückiger & Hanbury, *Pharmacographia*, p. 502, and second edition, p. 558.

E. Stapfii, an interesting shrubby species, was received from Entebbe in August, 1906. Unfortunately it is not hardy.

E. uncinata was lately collected by Dr. J. Brunnthaler on hills near Port Elizabeth.

E. viscosa grows extremely slowly. The plants in the garden must be nearly forty years old. They are quite hardy.*

EURYOPS SPATHACEUS.

This pretty shrub was sent to the garden by Mr. D. Hanbury in August, 1870. When not in flower it much resembles a shrubby pine.

FALKIA REPENS.

A pretty little Cape plant, adapted for borders and rock-work, was received from the Botanic Garden at Genoa, in November, 1901.

FERDINANDA EMINENS.

Grows here into an enormous bush, and flowers every year in great profusion.

FERULA COMMUNIS.

Now very common and almost a weed, was originally introduced by Mr. D. Hanbury on May 20th, 1868, and sown near the sea and in the garden.

FICUS.

Comparatively few species of this chiefly tropical genus can be cultivated here. The most commonly planted is *F. macrophylla*, which in foliage and habit much resembles the tenderer and consequently rarer *F. elastica*. The two species can be easily distinguished; the former has smaller leaves of a more ovate oblong outline with very numerous and fine reticulate nerves underneath, whilst the latter has oblong leaves with the nerves less visible and much less reticulate. Both species are quick growing and form large trees with many aerial roots. *F. "glumosa"* of this garden, a near relative to *F. macrophylla*, and most likely also a native of Australia and not of Abyssinia, has the under side of the leaves covered with a rusty tomentum. It is possibly identical with *F. magnolioides* Borzi.† *F. rubiginosa*, a tree with smaller leaves than the above-mentioned species, is quite hardy. If its branches are allowed to touch the soil, they take root and grow into additional trees, soon forming a thicket. We also grow *F. comosa* Lowe, which is quite hardy and a fine tree.

F. stipulata grows to perfection and fruits everywhere. In its young form it is a well-known greenhouse or stove creeper. Several other species do quite well, but some tropical species, for instance, *F. religiosa*, are not making much progress. Some of the hardier kinds produce figs, but I have never seen ripe seeds, except of *F. Carica*.

* For further information see my handbook *Sukkulente Euphorbien*.

† *Bolletino Orto Botanico Palermo*, i. p. 47.

Of this, the common fig, several forms are cultivated along the Riviera. A good account of them is given by E. Sauvaigo.*

We grow the following at La Mortola :—

Fruits white or greenish :

"Couol (Cuor) de Dama" (*F. Carica* var. *carnosa* Geny).

"Pissalutta" (*F. Carica* var. *ligurica* Geny, *Ficus Liviana* Plinius).

"Bernisotta bianca" (*F. Carica* var. *grandis* Sauvaigo).

Fruits grey to reddish :

"Imperiala" (*F. Carica* var. *imperialis* Risso).

Fruits brown to black :

"Salvatico" "Caprifico" (*F. Carica* var. *silvestris* Tournef.).

"Bellona" (*F. Carica* var. *bellona* Risso).

"Peroquin" (*F. Carica* var. *nicænsis* Risso).

"Padretta."

"Barnissota nera" (*F. Carica* var. *Barnissota* Tournef.—*Ficus africana* Plinius).

FRAXINUS.

F. Ornus, the "manna ash," a native of the Riviera, was planted at La Mortola by Mr. Daniel Hanbury, November 19th, 1867. This tree is cultivated in Sicily for the production of "Manna."†

FUCHSIA.

A large collection of species was received from Count Solms-Laubach of the Botanic Garden, Strassburg, in May, 1899. With a few exceptions Fuchsias do not thrive well in the dry climate of the Riviera.

FURCRAEA.‡

The species of this genus may be divided into two well differentiated subgenera. The *Eufurcraea* are mostly stemless, have green leaves, and much resemble Agaves in their appearance. They are generally somewhat tender on the Riviera, and therefore do best if planted in protected spots, under trees, &c. After having flowered they produce quantities of bulbils. *F. Delavanti* was given me by the late Dr. A. Weber, of Paris, in 1902. *F. elegans* was received from Palermo and flowered in 1911-12. It is quite hardy, and forms an imposing rosette with leaves over 2 m. long.

The two species of the second subgenus, *Ræzlia*, resemble *Beschorneria* in having similar rough, glaucous, and finely serrulate leaves, but develop a distinct stem. When sufficiently mature they produce a tall pyramidal richly branched inflorescence, which afterwards bears many hundreds of bulbils, from which they are readily propagated. *F. Bedinghausii* makes a stem about 1 m. high, whilst *F. longæva* attains with us a height of 4 m.§ In its

* *Flora Mediterranea Exotica*, pp. 172-181.—On the history and use of the fig tree see also Flückiger & Hanbury, *Pharmacographia*, pp. 487-489, second edition, pp. 542-544.

† See Flückiger & Hanbury, *Pharmacographia*, pp. 366-374, second edition, pp. 409-417.

‡ According to the rules of priority this name is now used in place of *Fourcroya*.

§ See my note in *Monatsschrift für Kakteenkunde*, 1911, pp. 41-43.

native land it is said to reach 13 m. (= 40 feet), and not to flower before having attained the age of four hundred years (?) With us it seems to flower after twenty to thirty-five years, but there may be two species in question. Our plant, received from Kew in 1881, is no doubt the species figured in *Bot. Mag.* t. 5519, which flowered in Regent's Park Royal Botanic Garden, in 1864, for the first time in Europe.

GARRYA THURETI.

Was received from Villa Thuret in 1903; it has not yet flowered. It is not included in Mr. Wangerin's monograph in *R. V. C.*

GASTERIA.

G. acinacifolia and others were bought from the Jardin d'Essai, Hamma, Algiers, in February, 1873. *Gasterias* easily hybridize in gardens, and there are various forms of doubtful origin. See my notes about them in my monograph on *Aloineæ*, *l. c.*

GAZANIA.

Of these wonderful spring flowers the following garden forms were sent by Cav. C. Sprenger, Naples:—*G. angelica*, *G. elmensis*, *G. ochroleuca*, *G. Parthenope*, *G. splendens*, *G. Trinacria*, *G. vomerensis*.

GERBERA JAMESONI.

Was first received from Kew in October, 1890. It is not satisfactory at La Mortola.

GIRALDIA STAFFII.

Received from Cav. C. Sprenger, October, 1901; is a small perennial plant resembling *Atractylis*, with which the genus ought perhaps to be united.

GLEDITSCHIA MACRACANTHA.

This tree was for a long time in cultivation in the garden under the wrong name of *G. caspica*. Dr. A. Henry recognized it as the plant which he collected in South Wushan, Szechuen, and which was described as *G. officinalis* Hemsl. in *Kew Bull.* 1892, p. 82. The pods are the Chinese drug exported from the province of Szechuen under the name of "Ya-tsaö." These pods were described by Mr. Daniel Hanbury in his "Notes on Chinese Materia Medica" (Legumes of *Prosopis*? D. Hanbury, *Science Papers*, p. 248).

GNIDIA.

These small shrubs succeed well on sandy banks in the upper part of the garden. We received them from Mr. F. Rehnelt, of the Botanical Garden at Giessen.

GOODENIA OVATA.

We owe this interesting shrub to the kindness of the late Mr. L. van den Bossche, Tirlmont. It is our only plant of the *Goodeniaceæ*.

GOSSYPIUM.

The cotton succeeds and ripens well its fruits if sown early under glass and planted out in the beginning of May.

GOURLIEA.

G. chilensis and *G. decorticans* are the "chañar" or "chañar breña" of the Indians of the Gran Chaco. The sweet fruit is the staple food of the natives, who also prepare a beverage from it. The wood is tough and valuable.

GRABOWSKIA.

Both species are thorny shrubs with glaucous leaves; they were received from Cav. C. Sprenger, Naples.

GREVILLEA.

Many of these interesting *Proteaceæ* are perfectly acclimatised here. *G. Banksii* was procured from Messrs. Veitch & Sons in June, 1902. It is a low shrub with fine bright red flowers. *G. Hilliana* forms a beautiful tree with white flowers in long racemes. This and *G. asplenifolia* were bought by Mr. D. Hanbury from Mr. Van Geert, Ghent, in August, 1872. *G. robusta* was first raised from seeds received from M. Thuret, of Antibes, in March, 1872. *G. Thelemanniana* and *G. Preissii*, two small shrubs with pretty red flowers, were received from the Royal Botanic Garden, Dahlem-Berlin, in November, 1897; although much alike they are two distinct species.

GREWIA OCCIDENTALIS.

Raised from seeds sent by Prof. MacOwan, in February, 1875, grew into a large semi-scandent shrub, but perished during the summer of 1911.

HAKEA.

Many species succeed well at La Mortola. Of the rare *H. Baxteri* we have a small tree about 4.50 m. high. Its leaves resemble in shape those of *Ginkgo biloba*. *H. cucullata* was received from M. Geoffroy St. Hilaire, Gros Pin, Hyères, in 1903. Several other young plants of this species have been grown from seeds received from the Canaries. The leaves of the sterile branches are narrow and elongated, whilst those of the flowering branches become much shorter, broader, and thicker, and assume a pale yellow colour at their base; the white flowers are almost concealed by them. *H. ceratophylla* was collected for Messrs. Veitch & Sons from Chester's Pass in South Australia, and seeds were given to Sir Thomas Hanbury in September, 1893. *H. obliqua*, *H. glabella*, *H. florida*, and *H. varia* were received from the Imperial Gardens at Schoenbrunn, and the Botanic Gardens of Dahlem-Berlin and Karlsruhe. *H. laurina* (better known as *H. eucalyptoides*) grows everywhere in our soil; its flowers are perhaps the showiest of all the species.

HALLERIA LUCIDA.

Was grown from seeds received from Villa Thuret in February, 1869. Flowers abundantly from the old wood.

HARDENBERGIA.

Very pretty climbers, much planted in the gardens of the Riviera. *H. monophylla* is cultivated in white, rose, and violet flowering varieties. It remains much lower than *H. Comptoniana*.

HAWORTHIA.

A genus of small plants, closely related to Aloe, but with small, two-lipped whitish flowers. Most of them do very well here, and are excellent plants for rockwork and walls. The soft-leaved species, however, prefer half shady places. Some species, such as *H. cymbifolia*, *H. granata*, *H. retusa*, and *H. subulata*, were bought from the Jardin d'Essai, Hamma, Algiers, in February, 1873. Other species were received from the Botanic Gardens of Berlin, Kew, Palermo, &c., from Dr. R. Marloth, of Cape Town, from Mr. W. J. Skinner, of Thornton Heath, and others.

HECHTIA.

Is a genus of decorative xerophilous *Bromeliaceæ*. *H. argentea* was received from Mr. Willy Müller, of Nocera Inferiore, near Naples, in 1909. *H. glomerata* from the Botanic Garden of Zürich in July, 1898. It flowered in 1909. *H. rosea* (?) was collected for Sir Thomas Hanbury by Mr. C. A. Purpus on the Sierra de Parras in 1905. It is almost entirely red during summer.

HEDERA.

I have followed Mr. C. K. Schneider in the nomenclature of this genus. *H. canariensis*, which now covers many walls in the garden, was first procured from Messrs. Huber & Co., Hyères, in December, 1867.

HELLEBORUS LIVIDUS.

Seeds from Corsica were sown by Mr. D. Hanbury in the valley, in June 9th, 1868, where still one plant survives.

HERMANNIA.

H. angulata, a pretty little shrub with yellow flowers, was collected by Dr. J. Brunnthaler near Genadenthal in 1910.

HESPEROALOE.

Seeds of both species were received from Prof. Trelease, of the Missouri Botanical Garden.

HESPEROYUCCA.

H. Whipplei is rightly separated generically from *Yucca*. It dies after having flowered. In its leaves it more resembles *Agave paucifolia* than a *Yucca*. Several specimens have flowered at La Mortola (1891, 1896, 1899 and 1901), but never produced any seeds. The plate in *Bot. Mag.* was drawn by Lady Thiselton-Dyer at La Mortola in April, 1891. Seeds were first received from Mr. L. Winter, Bordighera, in January, 1882.

HETEROMORPHA ARBORESCENS.

A tall bush or a small tree with the bark similar to birch trees; flowers and fruits abundantly. The seeds were sent by Mr. D. Hanbury in November, 1870, who probably received them from Prof. MacOwan.

HIBISCUS.

H. venustus var. *roseus* was received through the kindness of Prof. C. F. Baker from Santiago de las Vegas, in Cuba, April, 1906. It is a large bush, which flowered in December, 1907, and which differs from the typical *H. venustus* in the colour of its flowers.

HOLLBÆLLIA LATIFOLIA.

Flowers abundantly, but has never set fruit, not even when artificially impollinated.

HOODIA CURRORI.

Was received several times from Mr. Dinter and from Messrs. Haage & Schmidt, but always perished during our often wet and cold winter months.

HOVENIA DULCIS.

Is much planted in the Far East for its edible fleshy fruit stalks. Our oldest plant was procured from Hyères in December, 1867.

HOWEA.

H. Belmoreana and *H. Forsteriana*, better known in gardens under the name of *Kentia*, do not do well at La Mortola, but grow to perfection in other places on the Riviera, for instance, in some gardens at Garavan (Villa Hindoue, Villa Paradu, Villa St. Louis, &c.). The genus differs chiefly from *Kentia* in having a simple unbranched spadix, 30-40 stamens in the male flower, and different seeds; in habit the plants of the two genera resemble each other a good deal.

The two species are very closely related, and Bentham does not regard them as specifically distinct. *H. Belmoreana*, the "Curly Palm," is said to attain 12 m. in height, with leaves over 2 m. long, the numerous acuminate leaflets of which converge towards the apex. *H. Forsteriana*, the "Thatch or Flat Leaved Palm," closely resembles the former, but has the leaflet always pendulous.

HOYA CARNOSA.

Is quite hardy in sheltered places, and is therefore frequently planted. It flowers abundantly, but never fruits.

HYMENOSPORUM FLAVUM.

Seeds were sent by Mr. D. Hanbury in June, 1872, and probably received from Baron Ferdinand von Müller, of Melbourne. It is a tree similar in habit and flowers to *Pittosporum*, but the seeds are very thin (hence the name), and not viscous as are those of *Pittosporum*. The flowers are at first white, but after the pollen has been shed and the stigma matures they become yellow. Our

oldest plant is a tree 9 m. high, with a stem of 1.20 m. in circumference.

IDESIA POLYCARPA.

A deciduous tree, has been tried several times, and is also included in the last collection of Mr. Wilson. The climate and soil are rather too dry for it.

ILEX.

Suffers from the same disadvantages, and they proved fatal to *I. insignis* and *I. Tarajo*.

ILLCIUM.

The Japanese *I. religiosum* and the Chinese *I. verum* were formerly often confused under the name of *I. anisatum*.* *I. verum* produces the true Star Anise exported from China, whilst the Japanese plant is poisonous. Dr. Bretschneider, the Medical Officer of the Russian Embassy at Peking, and author of a book on the history of botanical discoveries in China, was the first to recognize the Chinese Star Anise plant as a distinct species, to which Sir Joseph Hooker in *Bot. Mag.* t. 7005 gave the name of *I. verum*, so as to settle its nomenclature definitely. In the same year (1888) Prof. Flückiger took up the subject† and mentions a plant of the true Chinese Star Anise grown at La Mortola in 1884 and corresponding with Hooker's plate and description. This plant is still there and now a dense bush about 2 m. high. It was planted on November 15th, 1870, and was procured from M. Nabonnand of Golfe-Juan.

IMPATIENS.

The tropical species flower and fruit freely when cultivated in *Sphagnum* under the pergola; they are, however, liable to damage by frost. *I. Oliveri* is by far the hardiest.

IOCHROMA.

A genus comprising about fifteen species, all very ornamental shrubs. *I. coccineum* has bright red flowers and tomentose branches and leaves. This is often confused with *I. fuchsoides*, which is quite glabrous.

I. lanceolatum and *I. tubulosum* are much alike. The latter has, however, flowers of a more reddish hue and a larger calyx.

I. grandiflorum has beautiful large violet-blue flowers. It is very glandular and viscid, and emits a disagreeable smell, especially after rain.

IPOMŒA.

Many species of this genus are of great beauty during the warm season. *I. Batatas* succeeds only when cultivated on a hot-bed. *I. damarana* has a large woody bulb; it was introduced

* See also Flückiger & Hanbury, *Pharmacographia*, p. 20.

† F. A. Flückiger, "*Illicium verum*, der Sternanisbaum." In *Archiv der Pharmacie*, xxvi. (1888), pp. 893-897.

by Mr. K. Dinter, from Okahandja. *I. pandurata* dies down every autumn. *I. murucoides* and *I. rubrocœrulea* must be cultivated as annuals. The latter, with large blue flowers, is of great beauty in the autumn, until the middle of December.

IRIS.

Most species grow well at La Mortola, and some are very drought-resisting. We are indebted for a great many species to Miss Willmott, and to Mr. J. Lynch, of the Royal Botanic Garden, Cambridge.

I. Ciengialti var. *veneta* was kindly sent by Prof. R. Pamparini, of Florence, in 1910, from the classical locality "Provincia di Treviso: presso Vittorio nella Valle Meridionale del Passo di S. Uboldo, &c."

JACARANDA OVALIFOLIA.

This is an excellent tree for the Riviera. It has graceful deciduous foliage, and bright blue flowers, which appear in June and July, and are succeeded by flat, round capsules.

JANUSIA PROLIXA.

We are indebted for this interesting climber, as well as for a great many other plants, to Prof. G. Poirault, of Villa Thuret, Antibes.

JASMINUM.

Most species of this noble genus do very well, especially so the fine *J. primulinum*. *J. grandiflorum* much resembles *J. officinale* in habit, shape, and colour of its leaves and flowers. The leaflets, however, are more equal in size, and generally broader than in *J. officinale*, which has small lateral and a large terminal leaflet. The flowers, too, are about double the size.

JUBÆA SPECTABILIS.

A young plant was received by Mr. Daniel Hanbury from Prof. Decaisne, Director of the Jardin des Plantes, Paris, in May, 1868. Its trunk, with the bases of the old leaves, measures now 3·50 m. in circumference. *J. spectabilis* is very hardy, and is successfully grown as far north as the Italian Lakes. The most stately specimen of it along the Riviera was to be found, until a few years ago, at Villa Thuret, Antibes. It had a trunk 7·50 m. high, with a circumference of 4·10 m. at 1 m. above the soil. This specimen flowered for the first time in June, 1894, and produced large quantities of fruits.

JUNIPERUS.

J. Cedrus was received from Kew in 1909, and seeds were repeatedly sent by Dr. G. Perez, of Orotava. *J. bermudiana* was grown from seeds received from Kew in 1910. Of *J. drupacea* three male plants were procured from Messrs. Veitch & Sons in January, 1868, by the late Mr. D. Hanbury. *J. chinensis*, *J. ex-*

celsa, *J. rigida*, and *J. thurifera* were bought from the same firm a few years ago. *J. procera* was introduced by Prof. G. Schweinfurth, from Abyssinia, and received through the Berlin Botanical Garden in February, 1893. At present the plants have attained a height of 5 m.

J. Oxycedrus is the common Juniper along this coast. We have specimens in the wood 10 m. high, with a circumference of 1·20 m.

There is a Juniper tree, 5 m. high, in the lower part of the garden, with drooping branchlets and very glaucous, less pungent leaves. It is apparently spontaneous and agrees with another plant, which Lord Walsingham found in the spring, 1911, near Roccabruna. This latter, no doubt a wild specimen, is a tree over 10 m. (40 feet) high with a stem about 1·60 m. (4 feet 8 inches) in circumference. Dr. A. Henry, of Cambridge, who has seen the Mortola specimen, is convinced that the Juniper in question is *J. Cedrus*, so far only known as a native of the Canaries. Another specimen at La Mortola, not far from the first one, seems to be a hybrid between *J. Cedrus* and *J. Oxycedrus*.

The plant grown as *J. macrocarpa* is still too young to be identified.

KALANCHOE.

Succulent herbs or perennials with pretty flowers, more or less hardy, according to their native habitat.

KENTIA.

These elegant palms have been tried repeatedly at La Mortola, as they do quite well, and produce flowers and seeds in some gardens at Garavan.

The genus differs from *Howea* in the branched spadix, and in having only 6–12 stamens in the male flower, &c. *K. Canterburyana* ("Umbrella Palm") is a tall species much resembling the two species of *Howea*. In *K. Baueri* and *K. sapida* the petioles, rachis, and nerves of the leaflets are covered with a brown tomentum. The former is a stouter plant with broader leaflets; in the second the leaflets are very narrow and long acuminate.

KETEELEERIA FORTUNEI.

So far we have not been successful in growing this fine Chinese tree. There are large specimens on the Lago Maggiore.

KIGELIA ÆTHIOPICA.

Has been tried in several sheltered places, but perished in winter.

KLEINIA.

This genus hardly differs from *Senecio* except in habit, but for horticultural purposes it may well be kept distinct.* All are excellent plants for sunny and arid rockeries, though their flowers

* For a complete synopsis of the species known in cultivation see my handbook *Stapeliaceen und Kleinien*.

are, in most cases, inconspicuous, except those of the section *Notonia*. *K. neriifolia* was introduced from Mr. W. Wilson Saunders's collection in April, 1869. It is quite at home now at La Mortola, germinates all over the garden, and, if left alone, would soon become subsponaneous, although it occasionally suffers through frost. It loses its leaves during summer. *K. Anteu-phorbium* was introduced from Kew in July, 1868. *K. odora* came from Villa Thuret in November, 1869. *K. tomentosa* was procured from Mr. Cooper, of Reigate, in July, 1868; it is a very shy bloomer.

KNIPHOFIA.

Better known in gardens as *Tritoma*, partly succeed quite well. *K. primulina* flowers at the end of the year. We are indebted for this species to the late Mr. Gumbleton, and for the tall *K. Northiæ* to Messrs. Beamish and Dorrien-Smith.

LABURNOCYTISUS.

L. Adami is one of the classical examples of graft-hybrids, having been raised, in 1826, by Adam, of Paris, by grafting *Cytisus purpureus* on *Laburnum anagyroides*. The tree has three kinds of branches: some bearing foliage and flowers of *Laburnum*; others those of *Cytisus purpureus*; and yet others representing intermediate stages between the two. Our plants were received in the spring of 1911 from Messrs. Pennick & Co., near Dublin.*

LÆLIA.

L. anceps grows very well epiphytically on a tree, without any shelter.

LAGERSTRÆMIA.

L. indica, a most beautiful shrub, does not succeed here. It grows, however, perfectly well in the garden of the Convent of San Dalmazzo di Tenda, in the Roja valley. *L. speciosa* has also been tried in vain.

LAGETTA LINTEARIA.

The famous "Lace Tree" of Jamaica; only succeeds under glass.

LAGUNARIA PATERSONI.

We have now two fine trees of this beautiful *Malvacea*. They were grown from seeds introduced by Mr. D. Hanbury in June, 1872, and correspond with the description of the Norfolk Island plant given by Bentham (*Fl. Austr.* i. 218), the leaves being very white underneath. The largest specimen is now 13·10 m. high, with a stem of 87 cm. circumference.

LAPAGERIA ROSEA.

Has been tried repeatedly, so far without success.

* For further information see the literature cited in the Catalogue, and also Strasburger's *Rambles on the Riviera*.

LARDIZABALA BITERNATA.

This fine climber has never produced any fruit at La Mortola.

LATHRÆA CLANDESTINA.

We had this interesting saprophytic plant growing on the roots of a willow for several years, but the host perished during a dry summer and with it the saprophyte.

LAURENTIA TENELLA.

A pretty little perennial; grows among the moss on a fountain. It was introduced about ten years ago from seeds collected by Mr. Hartmann in Cyprus.

LAURUS.

L. nobilis, the common laurel, was planted at La Mortola and is now well established, germinating everywhere, especially in the wood, probably dispersed by birds. *L. canariensis* succeeds quite well, as does also *L. maderensis* Hort. This latter, which is not identical* with *Ocotea fœtens*, but very similar to *L. nobilis*, was bought from Messrs. Huber & Co., of Hyères in December, 1867, and again by Mr. Daniel Hanbury from M. Nabonnand, of Golfe-Juan, in November, 1870.

LAVANDULA.

L. Spica grows abundantly on the rocky slopes of our neighbouring mountains, and from this species the lavender oil is distilled everywhere in this country during summer. *L. Stæchas* prefers sandy soil. *L. abrotanoides* is a freely growing little shrub, which is almost constantly in flower.

LEICHTLINIA PROTUBERANS.

A curious little Agavoid, was received from M. Max Leichtlin, of Baden-Baden, in February, 1891, and later on from Mr. Dorrien-Smith. So far it has not flowered. The genus is related to *Manfreda*.

LEONOTIS LEONURUS.

Seeds were received by Mr. Daniel Hanbury from Prof. MacOwan in March, 1873.

LEPTOSPERMUM LÆVIGATUM.

Was given to Mr. D. Hanbury by M. Thuret, of Antibes, in October, 1871. It forms a large bush, and succeeds well in dry places. The other species do not grow so easily.

LEPTOSYNE.

L. gigantea forms a low thick, succulent, and sparsely branched stem, which during the summer resting period is entirely leafless. It begins growing about the end of September, and when in full growth and flower is a very stately plant. *L. maritima* resembles it a good deal, but does not form such a thick stem.

* See Meissner in *DC.* xv. 1. pp. 118 and 237.

LEPTOTES BICOLOR.

Was procured from the late M. Binot in July, 1904. It has been grown epiphytically in the open, without any protection in winter, and flowers freely every year.

LEUCADENDRON.

L. argenteum is the "Silver Tree" of Cape colonists. We had a magnificent specimen about 5 m. high, which suddenly perished in the summer, 1902. It has not been possible to replace the tree, neither have the other species become established in the garden.

All these fine-rooted *Proteaceæ* need careful watering; any neglect in this respect generally proves quite as fatal as the use of animal manure.

LEUCHTENBERGIA PRINCIPIS.

This is with us of extremely slow growth. The flowers rise from the top of the mamillæ and not from their axil, as wrongly stated in the *Bot. Mag.* t. 4393.

LIMONIASTRUM.

L. monopetalum is an old inhabitant of the gardens along the Riviera, known as *Statice rosea*. It succeeds on dry and hot banks and near the sea, and needs no watering during summer. For *L. Guyonianum* we are indebted to Lord Walsingham.

LIPPIA.

L. citriodora and *L. chamædrifolia* we have had for a long time. *L. asperifolia* and *L. lycioides* were grown from seeds received from the Botanic Garden of Buenos Aires in 1901.

LIRIODENDRON TULIPIFERA.

Has been tried, but so far without success.

LISSOCHILUS ERYTHRÆÆ.

Was sent by Mr. K. Dinter from German South West Africa, in 1905. It flowered several times, and was named by Prof. Kränzlin. The plant has since been lost.

LITCHI SINENSIS.

Has been tried several times, but without success.

LIVISTONA.

Of *L. australis* two young plants were brought from the Jardin des Plantes in Paris and planted May 15th, 1868, by Mr. Daniel Hanbury. The largest plant has now a trunk 8 m. high with a circumference of 1.70 m. above the ground. *L. chinensis* is common in Riviera gardens, though there is no large specimen at La Mortola. *L. decipiens* is a much rarer plant, known here among gardeners as *Copernicia cerifera*. It has also been wrongly identified with *L. inermis* and *L. humilis*, both natives of Northern Australia and quite different from our plant, as pointed

out by Prof. O. Beccari. *L. decipiens* is nearer related to *L. australis* in flower and fruit, but in habit it is quite different, the leaves being deeply cut and filiferous. There are old plants in the gardens of Dr. Robertson-Proschowsky near Nice, at Villa Paradou, Garavan, and in several other French gardens. *L. oliviformis* is known on the Riviera as *Corypha Gebanga*.*

LOMATIA.

The Australian species succeed quite well, but not the Chilian *L. ferruginea*.

LOMATOPHYLLUM.

L. macrum and *L. borbonicum* are rather tender, but the former does very well in sheltered places, as, for instance, on the rocks of Monaco. *L. borbonicum* was sent us in 1907 by Dr. Koenig from Port Louis, Mauritius.

LOROPETALUM CHINENSE.

A pretty shrub ; did not succeed.

LYCASTE DEPPEI.

This orchid does quite well and flowers abundantly in the open at the foot of an old tree fern. We are indebted for this and other orchids to Dr. Hans Goldschmidt, of Essen.

LYSILOMA LATISILIQUA

did not succeed.

MACADAMIA TERNIFOLIA.

Seeds were first sent to La Mortola by Mr. Daniel Hanbury in July, 1872. There are only young trees now at La Mortola, one of which first ripened fruits in 1910. The nuts have the taste of hazel.† There is a large specimen in the garden of Villa Hindoue at Garavan. What was received as *M. australis* from M. Geoffroy St. Hilaire, Gros Pin, Hyères, will probably prove to be the same species.

MACROZAMIA SPIRALIS.

A staminate specimen was bought from Prince Troubetzkoy's garden in July, 1888.

MAGNOLIA.

M. grandiflora was bought from Messrs. Huber & Co., of Hyères, in December, 1867. This tree, though quite vigorous, does not succeed so well here as in cooler and moister parts of Italy. *M. pumila* only grows with difficulty.

Under the name of *M. inodora* we grow an evergreen bush, with coriaceous and glossy, lanceolate acute, undulate leaves. The flowers, which have not appeared for many years, are white and much smaller than those of *M. grandiflora*. It is evidently

* See *Gardeners' Chronicle*, 1901, ii. p. 406.

† See Baron Ferd. von Mueller, *Select Extra-Tropical Plants*, p. 204.

an old inhabitant of the garden, though not included in former catalogues.

MAGYDARIS.

Very stately perennials. *M. tomentosa* was grown from seeds collected in Sicily and sent in December, 1898, by Dr. H. Ross, of Munich.

MAMILLARIA.

For some species the climate is evidently too hot and dry. Others suffer in winter more from moisture than from cold, but the majority of the species succeed quite well.

MANIHOT CARTHAGINENSIS.

A deciduous shrub, raised from seeds received from the late Prof. Ch. Naudin, of Villa Thuret, in April, 1877.

MEDICAGO ARBOREA.

Was procured by Sir Thomas Hanbury in November, 1868, from Messrs. Veitch & Sons. It forms neat green bushes, resisting drought on the hottest banks, but then shedding most of its leaves.

MELALEUCA.

Most species of this interesting genus succeed extremely well, and flower and fruit abundantly. They were introduced at an early period.

M. Preissiana was planted in 1872. It forms rather tall shrubs or small trees.

In some species, for instance, *M. styphelioides*, the bark peels off in thin, paper-like sheets.

MELANOSELINUM DECIPIENS.

Is one of the noblest of all *Umbelliferae*, with stems about 1 m. high and tufted umbrella-like heads of fine pale green foliage. It dies after flowering. "The whole plant, when cut or bruised, gives out a copious fragrant glutinous transparent shining gum or resin with a strong scent of turpentine and carrots, or something like the flowers of the large blue Iris (*I. germanica*)" (Lowe, *l.c.*).

MELHANIA ERYTHROXYLON.

The "Redwood" of St. Helena has been practically exterminated in the island, where now only few, if any, individuals are to be found. We received a small shrub from Kew in November, 1883, but it has never flowered. Another St. Helena endemism, *M. melanoxyton* Ait., the "Blackwood," is reported to have shared the fate of its relative, and most likely it has been lost in cultivation too.

MELIANTHUS.

M. comosus was introduced by seeds received from Prof. MacOwan in March, 1872. *M. pectinatus* was brought by Mr. Daniel Hanbury from Kew on November 27th, 1874, where it was sent by Sir Henry Barkly, then Governor of the Cape of Good Hope.

It flowered and fruited for the first time at La Mortola in 1879, and was figured in *Bot. Mag.* *M. intermedius* originated in this garden, and is a hybrid between *M. comosus* and *M. major*. It is more vigorous and taller than the parents. The leaves are of the size of *M. major*, but less glaucous, their stipules are smaller, and the rachis is less broadly winged; moreover, they are almost glabrous underneath and not tomentose as in *M. comosus*. The inflorescence is not so long as in *M. major*, but exceeds the length of the leaf, whilst in *M. comosus* it is shorter than the leaf, and brighter coloured. The bracts, pedicels and flowers are exactly intermediate between the parent species. This hybrid does not produce seeds, but has come up again from seeds of *M. comosus*.*

MELOCACTUS.

M. communis does quite well if kept indoors during winter. For various specimens we are indebted to the late Prof. Zacharias, Director of the Hamburg Botanic Garden.

MERYTA.

M. macrophylla, a dioecious plant, of which we only have a pistillate specimen.

MESEMBRIANTHEMUM.

Most of the species are quite at home at La Mortola. A great many were first brought from Kew by Mr. Daniel Hanbury, and others were received through Prof. MacOwan. *M. abyssinicum* was received from the Berlin Botanic Garden, where it was introduced by Prof. Schweinfurth. *M. acinaciforme* is very vigorous. Its flowers, the largest of the genus, are very conspicuous in early summer. Of *M. Bolusii*, one of the striking examples of mimicry in plants, the single specimen sent us from Kew in October, 1890, was for a long time the only one existent in Europe.† It flowered every autumn without producing seeds. After this had died the late Mr. Harry Bolus, of Cape Town, kindly sent us seeds in February, 1902. From these the plant has been grown in quantities. Older specimens now produce seeds, so that we have been able to distribute it. The resemblance of this *Mesembrianthemum* to pebbles is surprising, especially during dry weather, when it assumes a greyish hue. The species of the section *Sphæroidea*, such as *M. minutum*, *M. Wettsteinii*, *M. obcordellum*, *M. pseudotruncatellum*, &c., are equally striking examples of mimicry.‡ *M. Bosscheanum* was named in honour of the late Mr. L. van den Bossche, of Tirlemont,

* An interesting account of the fertilization of these and some other ornithophilous flowers is given by Mr. C. F. Scott-Elliott, *Annals of Bot.*, iv. p. xiv. (1890). At La Mortola *Melanthus* is fertilized by insects, chiefly bees.

† See my note with photograph in *Monatsschrift für Kakteenkunde*, ix. (1899), p. 39.

‡ See Sir W. T. Thiselton-Dyer, "Morphological Notes," in *Annals of Botany*, vol. xx., no. lxxviii. (April, 1906), pp. 123-127, tt. vii.-viii.; and my handbook, *Mesembrianthemum und Portulacaceen*, pp. 11-14.

to whom we are indebted for this species and for many other rare plants. It belongs to the section *Ringentia*, comprising low-growing species with thick leaves, which have been compared with the throats of animals, and hence have been named: *M. tigrinum*, *M. lupinum*, *M. felinum*, *M. caninum*, *M. murinum*, &c. Most species of this "zoological" group have fine large flowers. *M. edule* grows in abundance near our seashore, and is subsontaneous in many similar places of the globe. *M. geniculiflorum* was brought from Palermo in January, 1901. *M. granulicaule* was grown in 1910 from seeds taken from a dried specimen collected by Dr. Otto Kuntz, at Tow River Station, as far back as February, 1894. Of *M. linguiforme* we grow a great many varieties. Its soft leaves suffer much from slugs. *M. canum* and *M. pubescens*, which had been lost for nearly a hundred years, were re-discovered by Dr. Marloth, of Cape Town. *M. ochraceum*, *M. Rehneltianum*, and *M. vespertinum* are three old inhabitants of gardens, which had long remained undetermined.

M. pygmæum was received from Kew and from Mr. W. Skinner, of Thornton Heath, about ten to twelve years ago. It has never flowered. *M. vittatum* was recognised by Mr. N. E. Brown as identical with the plant which he described under this name. It was probably received from Mr. Cooper. *M. Wettsteinii*, an introduction of Prof. MacOwan, is, together with *M. pseudotruncatellum*, one of the plants which were erroneously believed to be Haworth's *M. truncatellum*.

In addition to the species enumerated in the Catalogue, we grow many new, and as yet undetermined, South African species lately received from Dr. J. Brunnthaler and from Mr. Kurt Dinter.

Among the *Mesembrianthema* collected by Dr. Brunnthaler, *M. cigaretiferum** is perhaps the quaintest. The sheaths formed by the older leaves when dried-up are of a paper or parchment-like appearance, and assume a cylindrical shape, resembling the paper-mouthpieces of cigarettes. These sheaths are about 1 cm. long, evenly cut at the top, and a little compressed at the side. With two little prominences, which are rudimentary leaves, they enclose the following pair of leaves, which are quite different and triquetrous.

The capsules of *Mesembrianthema* remain for a long time on the plants, and only open during rain. Some have a beautiful mechanism, by which they throw the seeds to a considerable distance.† The seeds germinate very irregularly, and retain their germinating power for a long time.

METROSIDEROS.

M. tomentosa, a small tree with bright red flowers, is very

* See Alwin Berger, "Einige neue afrikanische Sukkulanten," in Engler's *Botanische Jahrbücher*, xlv. (1910), p. 225.

† See figure and description of the fruit of *M. linguiforme* in my handbook, pp. 9-11.

beautiful in June and July. It is known in New Zealand as Christmas bush or Christmas tree.

MILTONIA.

Are all quite hardy, and grow epiphytically on a *Ficus* tree.

MONSTERA.

M. deliciosa is quite hardy, and climbs up walls or trees in shady and sheltered places. It produces a sweet fruit.

MONTANOA.

This genus comprises a number of beautiful shrubs, which flower abundantly in late autumn or winter. *M. bipinnatifida*, with large branched inflorescences and white star-like flowers, is much grown along the Riviera. *M. mollissima* is a lower, much-branched shrub with fewer flowers. It was received from Villa Thuret, Antibes, in November, 1874. *M. tomentosa*, with rather small flowers, came from the same garden a few years ago. *M. Wercklei* was grown from seeds sent in 1905 by Mr. Charles Wercklé, of San José de Costa Rica, under the name of "Toona quirita." It is a shrub 5-6 m. high, with large elegant leaves and white tomentose branches and petioles.

MUSA.

M. paradisiaca ripens its fruits in some of the most sheltered Riviera gardens, where it can be sufficiently watered.

NARCISSUS.

Most species of this lovely genus succeed well. They are largely used for undergrowth to cover the soil. *N. Tazetta* grew originally wild under the olives in the lower part of the garden. I am informed by Lord Walsingham that *N. Tazetta* var. *canariensis* is found growing wild near Hyères.

NEPHELIUM.

N. leiocarpum was received a few years ago from Villa Thuret. This and *N. tomentosum* are quite hardy.

NERIUM OLEANDER.

Several cuttings were planted in the torrent-bed by Mr. Daniel Hanbury on June 10th, 1868. They are now large bushes, flowering and fruiting abundantly every summer. This shrub is very poisonous.

NICODEMIA.

N. diversifolia, a rare low shrub with insignificant flowers, was received from Prof. Poirault, Villa Thuret, Antibes, in 1906.

NICOTIANA.

N. wigandioides, a tall shrub or small tree, very beautiful when in flower. It was received from the Botanic Garden of Freiburg in

Breisgau. *N. tomentosa* is also arborescent, but its flowers are less showy. *N. glauca* is subspontaneous along the Riviera, coming up everywhere, especially on walls. In good soil it forms almost a small tree.

NOLINA.

Some species of this are now included under *Beaucarnea*. *N. erumpens* is stemless, whilst *N. longifolia* and *N. Beldingi* form a stem 2-5 m. high, when full-grown.

OCIMUM.

O. viride was received from Sir William Thiselton-Dyer in 1902. It was recommended to him as a plant useful against mosquitoes. It grew well for several years, but was finally lost.

OCOTEA.

O. fœtens, the "Til" of the Canaries, is a large tree with fruits exactly resembling acorns. According to a letter from Dr. George Perez, of Orotava, to whom we are greatly indebted for seeds of this and many other Canarian plants, this is the tree an enormous specimen of which grew in the little Island of Hierro and perished in a storm three centuries ago. This tree was said to have had the wonderful property of condensing the mountain mist, thus supplying the inhabitants of Hierro with drinking water, which was gathered in two small tanks under the tree, as it trickled down from the leaves.*

There are fine trees at Antibes and Golfe-Juan. The tree has a very acid juice, and the wood a bad smell.

ODONTOSPERMUM.

O. maritimum has been established on the rocks near the sea. *O. sericeum*, with silky white leaves and large yellow flowers, is a low shrub of great beauty, called the "Canarian edelweiss" by Dr. Christ.

OLEA.

Many of the olive trees (*O. europæa*), which were cultivated on the property when Sir Thomas Hanbury bought it, have been spared. Some of them must be more than four hundred years old.† All species of *Olea* are of very slow growth.

ONCIDIUM.

Several species of this genus grow perfectly well in the open, epiphytically on trees. *O. bifolium* has been grown since April, 1903, flowering abundantly every summer. It was given to us by

* *Pithecolobium saman* Benth. is popularly known as the "rain tree" of South America; it is infested by a suctorial insect, and produces a liquid, which often falls copiously to the ground. (Medley Wood in *Agricult. Journ. of S. Afr.* ii. p. 713.)

† For the history of the Olive and the extraction of the oil see Flückiger & Hanbury, *Pharmacographia*, pp. 374-377, second edition, pp. 417-421, and Strasburger, *Rambles on the Riviera*.

Prof. Penzig,* of Genoa, where it is also grown in the open. *O. Pohlianum* was received from Prof. R. von Wettstein in 1906, who had collected it in Brazil. The other Brazilian species came from the late M. Binot in 1904.

OPUNTIA.

Most Mexican species thrive exceedingly well at La Mortola; those from the United States and the Andes succeed less, and evidently find our summer too dry. *Opuntias* in general are "strong feeders," and enjoy good soil and plenty of water whilst growing. We have perfectly realized here what Mr. David Griffiths writes about them in *Bulletin* No. 60, p. 29:—

"Prickly pear and other cacti are apparently inseparably connected in the public mind with drought and heat, but this conception of the requirements for their best development is far from perfect. Our driest deserts produce none of these plants in economic quantities, and the same is true of our hottest regions. Rather than say they are adapted to conditions of extreme heat and drought, we should say that they thrive best in a region which has an equitable temperature, and a considerable rainfall periodically distributed. There is certainly no region in the world where these plants grow naturally in such profusion as they do upon the plateau of Mexico, but this is not a hot country, neither is it excessively dry. . . . it has a considerable rainfall . . . during summer, and then the country looks like anything but a desert."

The present large collection of *Opuntias* at La Mortola was begun by Mr. D. Hanbury. In later years almost every available form from European gardens has been tried here. Many of them still need identification. A large number of species were given us in 1901–4 by the late Dr. A. Weber, of Paris, including many type specimens. Others were received from Mrs. K. Brandegee, of Flagstaff, in California; from Prof. Arechavaleta, of Montevideo, Mr. D. Griffiths, of the United States Department of Agriculture, Prof. Britton, of New York, from the late Mr. Eichlam, of Guatemala, from M. Puteaux, of Versailles, from Prof. Söhrens, Santiago de Chili, from Prof. Trabut, of Algiers, and from Mr. Winter, of Bordighera. A complete set of species collected in the United States by Mr. C. A. Purpus was sent by his brother, Mr. A. Purpus, from the Darmstadt Botanic Garden.

The genus *Opuntia* is one of the most interesting of the *Cactaceæ*, being so rich in forms and varieties that it almost approaches *Rosa* or *Rubus*. A careful monograph drawn up from living plants is urgently needed. From an economic point of view many species are greatly esteemed in their native land as fruit for man and as food for stock. In the United States Department of Agriculture this question has been seriously studied by Messrs. D. Griffiths and R. F. Hare, who have al-

* Prof. O. Penzig states (*Malpighia*, viii. (1894), p. 464) that his plant came from the garden of an Italian gentleman at San Francesco d'Albano, where it was grown for more than thirty years on an orange tree in the open.

ready published several interesting and useful accounts. In other countries efforts are being made to plant as food for cattle the "spineless Cactus," a form of *O. Ficus-indica*, originally introduced from Italy to the United States Department of Agriculture. Mr. Griffiths gives a negative account of these trials. In several districts of South Africa and in Australia the "prickly pears" have spread to such an extent as to become a real pest.

O. albicans seems to be closely related to *O. robusta*. So far, the individuals that have flowered showed the ovarium without ovules, the flowers being thus practically only male. We received our plants from Mr. Winter, of Bordighera.

O. aoracantha was received from Palermo in 1901. This, as well as many other species from great altitudes of South America, only grows with difficulty.

O. arbuscula was received from the New York Botanic Garden a few years ago.

O. basilaris was first introduced from Kew by Mr. Daniel Hanbury, July, 1868.

O. Beckeriana is an old inhabitant of this garden; its history is not known. Dr. Weber was inclined to consider it identical with *O. sericea*.

O. Bergeriana is another old inhabitant of the Riviera, growing abundantly on almost barren sandstone at Bordighera, but disliking heavy soil. It is a fine species, and produces throughout the year a profusion of brilliant red flowers. The fruit is dark red.

O. brasiliensis, though succeeding in the open, does not escape injury from frost and has therefore been put under glass. The first specimen was brought from Kew by Mr. Daniel Hanbury, in July, 1868. *O. caracasana* was received from Dr. Weber, of Paris, in 1901, and later on from the Botanic Garden at Catania. Its very curious flowers and fruits were first described from our specimens.

O. cholla was also received from Dr. Weber.

O. chlorotica came from the New York Botanic Garden.

O. cochinelifera was brought from Kew by Mr. Daniel Hanbury in May, 1868.

O. crinifera was bought from M. Pfersdorff, of Paris, by Mr. Daniel Hanbury in April, 1872. We have now large bushes of this fine species. Young plants, especially when growing in the shade, form a trunk covered with long white hair (*O. senilis* Parm.).

O. decumana Haworth was brought from Kew by Mr. Daniel Hanbury in May, 1868. This name has remained rather obscure. Schumann in his monograph does not describe the plant, he simply mentions it in a footnote after the description of *O. Ficus-indica*, together with *O. elongata* and *O. gymnocarpa*. The latter is of more recent introduction, whilst *O. elongata* was recognized, without a doubt, among our Opuntias by the late Dr. A. Weber. Haworth's description* of *O. decumana* can only be applied to the plant known in gardens as *O. Labouretiana* Console.

* Haworth, *Revisio Plantarum Succulentarum*, p. 71.

A very old specimen, bearing this name, in the garden, I presume is the *O. decumana* brought from Kew in 1868. It fully agrees with Console's plant, as specimens received from Palermo* show, and the late Dr. A. Weber shared the opinion that this is *O. decumana*. The description of Haworth agrees well with our plant, especially as he compares it with *O. Ficus-indica*, evidently meaning thereby the plant which we now generally know as *O. Ficus-indica* Guss. No doubt *O. decumana* is very similar to this species and more so to *O. elongata*, but its joints are far longer, thicker, and not at all tuberculated, with only a very few prickles. The flowers are orange red and very conspicuous. It is certainly specifically distinct from both.

De Candolle,† Pfeiffer‡ and Labouret§ merge *O. elongata* and *O. decumana* into one species; hence Console's new name for the plant can be explained, the more so as I am informed by Prof. Borzi that Console knew *O. robusta* under the name of *O. decumana*.

Haworth says that he is not sure whether *O. decumana* is really *O. maxima* Mill., at any rate, the name *O. decumana* cannot be used for *O. Ficus-indica*, as recently proposed by Mr. Burkill.||

O. elongata, an old inhabitant of the garden, determined by the late Dr. A. Weber, agrees perfectly with the description given by Prince Salm-Dyck.

For *O. Engelmanni* we are indebted to Sir Edmund Loder, of Leonardslee, Horsham.

O. exaltata. This new species stands very close to *O. subulata*, and may be easily mistaken for it, but when grown side by side the differences are quite obvious. *O. exaltata* is a taller plant with generally longer branches, and somewhat glaucous instead of grass green. The tubercles are more elongated and differently marked. The leaves are shorter, the spines, when young, are not white, but yellowish brown, generally stouter and stiffer. I have not yet seen a flower of it. It is an old inhabitant of our gardens, sometimes called *O. Cumingii*. It probably comes from about the same region as *O. subulata*.

O. Ficus-indica, the common prickly pear, is planted everywhere along the coast and has become subsontaneous in South France, Italy, Spain, Morocco, Algeria, Greece, &c., on the Red Sea coast, and in South Africa. Its fruits are not eaten here to the same extent as in Southern Italy. Daniel and Thomas Hanbury planted *O. Ficus-indica* in a great many places in the garden on May 20th, 1868.

Mr. Burkill has shown¶ that this cannot be Miller's plant,

* Through the kindness of Prof. A. Borzi, Director of the Palermo Botanic Garden.

† De Candolle, *Prodr.* iii. p. 473.

‡ Pfeiffer, *Enumeratio Diagnostica*, p. 152.

§ Labouret, *Monographie de la Famille des Cactées*, p. 347.

|| J. H. Burkill, "Determination of the Prickly Pears now Wild in India" (in *Records of the Botanical Survey of India*, iv. p. 6), pp. 288-289.

¶ See also J. D. Hooker & B. Daydon Jackson, *Index Kewensis*, vol. iii. p. 357.

which differed by larger spines arranged in star-like clusters and by a red juiced fruit. Thus Miller's plant evidently belonged to the group of *Dillenii*, &c. Mr. Burkill substitutes for our plant the name of *O. decumana*. But Haworth's description of *O. decumana* does not agree with our plant, nor can the latter have been unknown in England before 1820, which year is given by Haworth as the time of the introduction of *O. decumana*. I therefore prefer to retain for our plant the name *O. Ficus-indica* Guss. (not Miller), under which designation it has been known for such a long time, at least, until Miller's plant has been incontestably identified. See also the note on *O. decumana*.

O. Ficus-indica var. *Amyclæa* was collected by the writer on December 26th, 1900, on Monte Pellegrino, near Palermo, where it grows in hedges along the roads. It differs from the common prickly pear by being more aculeate and is believed to be the aboriginal form of that species.

O. hamatocarpa, *O. Hanburyana*, and *O. inæquilateralis* were first described from plants grown at La Mortola. They have all very fine yellow flowers.

O. inermis is well figured in De Candolle's *Plantes Grasses* (1797) and is identical with *O. stricta* Haw. (1803). I have not yet been able to ascertain whether the plant reported as *O. inermis*,* from Catalonia and the Balearic Islands, really belongs to this species.

O. Lemaireana is closely allied to *O. monacantha*, but much smaller. We received it from Dr. Weber.

O. leptocaulis was bought from the Jardin d'Essai, Hamma, Algiers, in February, 1873. It has very small yellowish green flowers.

O. leucotricha is easily recognized by its long white hairs protruding from the areoles together with the spines; it forms fine plants, with pretty yellow flowers and nice aromatic fruits, known in Mexico as "Duraznilla."

O. monacantha is an old inhabitant of the gardens of this neighbourhood, and is occasionally seen subspontaneous on rocks between Mortola and Nice. It is well figured in De Candolle's *Plantes Grasses*, t. 137, as *Cactus Opuntia tuna*.

O. Nashii was received in 1904 from New York Botanic Garden. It belongs to the section "Consolea."

O. nigricans was sent by Dr. A. Weber, in 1901.

O. parva. This is one of the smallest of the "Tuna" group. It is a low shrub, about $\frac{1}{2}$ m. high, with obovate thick joints, 5-10 m. high, distant areoles, and with only a few single spines, or almost inermis. The flowers are yellow, the fruits small, turbinate, about 2 cm. long, scarcely reddish. In habit it much resembles the figure given in De Candolle's *Plantes Grasses* as *Cactus Opuntia nana*, but it is not procumbent.

O. pilifera was also received from Dr. Weber. So far its flowers are not known.

* See Schumann, *Monographia Cactacearum*, p. 718.

O. ovata was received from Mr. J. Söhrens from the Botanic Garden at Santiago.

O. prolifera, *O. quipa*, and *O. quitensis* were received from Dr. Weber, in 1901.

O. robusta is a variable plant in the size of its joints, their form, spines, and colour, but flower and fruit offer scarcely sufficient characters on which to establish varieties. The first plants were bought from M. Pfersdorff, of Paris, by Mr. Daniel Hanbury, in April, 1872.

O. rosea has been included by all authors since Salm-Dyck under *O. imbricata*, to which of course it is very closely allied. It has, however, more slender branches of brownish hue and different tubercular ribs. The flowers, too, are very different from those of *O. imbricata*. They have fewer petals, and are of rather dull purple rose colour. In habit the two plants are very distinct.

O. rubescens, one of the interesting section "Consolea"; is not hardy in the open.

O. rufida of Engelmann, which differs from *O. microdasys* var. *rufida* of Schumann, was sent by Mr. Griffiths from Torreon, in Mexico.

O. Ruthei is related to *O. imbricata*, but exhibits a different growth and larger flowers.

O. Salmiana was sent by Mr. Daniel Hanbury from Clapham in October, 1869.

O. Schumanni was first described from plants of this garden. We received it from Mr. Winter, of Bordighera, in 1899.

O. spinosissima is another species of the section "Consolea," and when well developed is of a striking appearance, the stems and branches being totally different from the usual manner of the genus. The stem grows up quite straight, and throws out straight branches at a perfect right angle. These branches, in their turn, throw out, on both sides, secondary branches which again stand off at a right angle, and so the plant grows on as a perfect system of right angles, affording some similarity to a Lorraine cross, hence the vulgar names: "Croix de Lorraine" and "Cruz de matrimonio." This species is not quite hardy here, but a fine specimen can be seen in the Palermo Botanic Garden.

O. streptacantha was received from Dr. Weber in January, 1901. It is the "Tuna Cordona" of the Mexicans, and is held in great esteem on account of its very palatable fruit, which can be eaten in quantity without any deleterious effect.*

O. subulata was formerly known as *Peireskia subulata*, but Engelmann changed its generic name after having received, in April, 1883, from Sir Thomas Hanbury, fruits, &c., from one of our plants, which is still alive, though it has in the meantime been badly damaged by a gale. The figure published in *Gardeners'*

* See Griffiths & Hare, *The Tuna as Food for Man*, Bulletin n. 116, p. 50.

Chronicle, 1903, ii. 91, fig. 38, shows it at its best. The fruits of this species remain green, even when ripe, and they have the largest seeds of the genus. The spines make excellent pins.

O. tomentosa is the tallest species which we grow; it forms a small tree with beautiful, fiery red flowers. Generally almost spineless forms are cultivated, but seedlings are more or less armed.

O. triacantha. This is a small plant with the habit of *O. polyantha*, as pointed out by De Candolle. We received it from Dr. Weber in 1901; so far it has not flowered.

O. tuna. There has always been great uncertainty about this species. Linnaeus comprises several species under this name, and, therefore, only Miller's plant can rightly claim the name. Miller* thus describes his plant: "Articulis ovato-oblongis, spinis subulatis. Indian fig with oblong oval joints and awl-shaped spines. . . . The . . . branches . . . are armed with longer thorns of awl shape; they are whitish and come out in clusters. . . . The flowers are large, of a bright yellow colour."

Haworth, De Candolle, and Salm are therefore wrong when they include here Dillenius's plant figured in *Hortus Elthamensis*, fig. 380, as *O. tuna major* . . . *flore gilvo*.

If the name of *O. tuna* should be used again, it could only be applied to *O. Dillenii* or a plant similar to it. *O. tuna major flore gilvo* has to be separated. My *O. gilva* is most likely identical with this latter.

Further, I wish to draw attention to the fact that the plant figured by Wight† has a much longer clavate ovary than can be seen on Dillenius' plate, where a much shorter, almost globular, ovary is figured.

We grow a great many plants of this group, apparently including several undescribed species. They are somewhat tender and apt to suffer in winter. *O. gilva* was received in 1907 from Prof. C. F. Baker, from Cuba.

O. tunicata was sent by Mr. D. Hanbury from Clapham in October, 1869. It is the most formidably armed species, and very striking, with its numerous spines, each enclosed in a white paper-like sheath. Flowers and fruits were first described from these specimens.

O. Turpini is the only one of the section of *Tephrocactus* which has flowered at La Mortola.

O. velutina was received from the late Dr. A. Weber in November, 1902.

O. Winteriana was first described from this garden. It belongs to the "Tuna" group, and is distinguished by large flowers of a brilliant red.

O. zacuapanensis, a fine new species with bright orange flowers. We received this plant a few years ago from M. L. Puteaux, Versailles, as *Opuntia spec.* from Zacuapan. Joints 13–20 cm. long and 9½ cm. broad, obovate, smooth, glossy green, areoles

* Miller, *Dict. Gardening*, eighth edition, n. 3.

† *Illustrations of the Indian Botany*, ii. t. 114.

15–25 mm. distant, slightly elevated, small, roundish or obovate. Spicules yellow, short, not numerous. Spines generally two, white, with yellowish points and base, terete, the lower deflexed shorter, the upper one spreading (2–) 3 cm. long. Flowers numerous from the top of the joint, $7\frac{1}{2}$ cm. long and $6\frac{1}{2}$ cm. broad, ovary obovate turbinate, $3\frac{1}{2}$ –4 cm. long and 22 mm. broad, areoles somewhat elevated, prickly; petals obovate lanceolate, acute and aristate, orange-yellow, with a more reddish-brown hue along the midrib on the back and as well on the shorter obtuse outer petals; stamens yellow, style yellowish, thickened or clavate above the base, stigmata (6–) 7, dirty rose coloured.

Besides the species enumerated in the Catalogue, a great number of plants are grown which have not yet been identified.*

OREOPANAX.

A genus comprising very ornamental shrubs or small trees from Central America, which are quite at home at La Mortola. About eighty species have been named, but in most cases only insufficiently described. In the absence of a good monograph, and without the aid of a large herbarium of native specimens, the genus is difficult to deal with. Prof. Harms in *N. Pff. l. c.* divides the species into three sections according to the shape of the leaves—*Digitatæ*, *Lobatæ*, and *Simplicifoliæ*.

Of the last section we grow *O. capitatum*, but have only a female specimen, though male specimens are not uncommon in other gardens of this neighbourhood. The male plant has the leaves a little more elongated and more rounded at the base, whilst in the female they are more ovate and more attenuated at the base. But the shape of the leaves varies to some extent with the age of the plant.

Of the second series we grow *O. dactylifolius*, which forms a very fine tree. It was bought by Mr. Daniel Hanbury, in August, 1872, from M. Van Geert, of Ghent. Of this we have both sexes. The female plant has larger leaves with more divided lobes. I keep the name of *O. Epremilianus* for the plant, which I found here under this name, though it is quite different from the one figured by G. Nicholson (*Dict.* 522, fig. 772). It is a fine, small tree with 5-lobed leaves, one or two of the middle lobes being generally free nearly to the base, whilst the two lower lobes have each a small outer lobe. In young specimens the leaves are larger and 7-lobed, but agree in shape with those of the adult plant. Count Eprémesnil, after whom the plant is named, was one of the first to found a garden on the Riviera, the Villa Les Cocotiers, at Golfe-Juan, now transformed by his heirs into a horticultural establishment. *O. palmatus*, another species of this section, occurs in gardens under the name of *Aralia*

* For further notes on Opuntias grown at La Mortola, see *Gardeners' Chronicle*, 1902, ii. 89–93, with figs. 32–42; 1904, i. 34, figs. 14–16; Engler's *Botanische Jahrbücher* xxxvi. pp. 443–457, and various notes in the *Monatschrift für Kakteenkunde*.

palmata. It agrees fairly well with the meagre description given by De Candolle as *Hedera cheirophylla*. It has been suggested that it might be *O. platanifolius*, but this is said to have 7-lobed leaves and entire lobes, whilst our plant has the leaves 5-lobed and the lobes distinctly dentate.

The following species belong to the *Digitatae*. *O. Thibautii* is a small shrub with short petioles and narrow acuminate leaflets. *O. xalapensis* is a much larger shrub or small tree, with long petioles and broader, obovate, less acuminate leaflets. *O. stellatus* was received in 1903 from Mr. Geoffroy St. Hilaire, of Gros Pin, Hyères. It seems to agree with the plant figured by Nicholson under fig. 772 as *O. Epremesnilianus*.

All these species are dicecious, and none has borne fruit here.

ORTHOSTEMON.

O. Sellowianus is a hardy shrub recommended for its delicious fruit,* which so far has been but rarely produced. The flowers being very pretty, it is also of decorative value. It was first introduced by M. André from Uruguay to his garden, Villa Colombia, Golfe-Juan.

OSTEOSPERMUM.

O. moniliferum was raised from seeds given by M. Thuret, of Antibes, in February, 1869. It is a quick-growing shrub with soft and herbaceous branches, and pretty yellow flowers. The berry-like fruits are remarkable for a *Composita*.

OTHONNA.

O. crassifolia. Seeds were sown by Mr. Daniel Hanbury, November 21st, 1870. It is a small succulent herb with pretty yellow flowers, now nearly subsontaneous in the garden, doing well on the driest places. *O. triplinervia* is a pretty succulent shrub with yellow flowers. It was first introduced from Kew in July, 1868, and again by Mr. Daniel Hanbury in October, 1871. Both species came from Prof. MacOwan.

OXALIS.

O. cernua must now be pronounced a very troublesome weed, however reluctant one may be to apply this epithet to so beautiful a plant. It is recorded as a garden escape in 1806, and has since spread over all the Mediterranean region. Curiously enough, the plant is not known to produce seeds in this country, and can only be propagated by very small bulbs produced in quantities on the roots. The short-styled form only exists here, and one with double flowers is occasionally found. The plant is so perfectly acclimatized that it has adapted its flowering season to its new

* This fruit is known as "Araca do Brazil," "Arasa do Rio Grande," and "Goyabo del Pays." It is about the size of an egg.—A good account has been recently published by Mr. F. W. Popenoe, "*Feijoa Sellowiana*: Its History, Culture, and Varieties," in *Pomona College Journ. of Economic Botany*, ii., February, 1912.

home. *O. purpurata*, with beautiful purple flowers, is spreading in several parts of the garden.

OXERA.

O. pulchella is a beautiful climber, but rather tender for the Riviera. It flowers in the garden of Villa Cava at Bordighera, whence we received it.

PACHYPHYTUM.

Differs scarcely from *Echeveria*. *P. bracteosum* was procured by Mr. Daniel Hanbury from Mr. Thomas Cooper, Reigate, in July, 1868.

PEONIA.

P. peregrina is a native of our nearest mountains (Monte Grammondo and Mt. Mulacé), where it grows in the most rocky places (at about 1200 m.), and produces in May most beautiful flowers. Like all other species, with the exception of *P. lutea*, it does very well in the garden.

PANDOREA.

P. (Tecoma) australis is a very vigorous, tall and woody, free-flowering climber. Seeds were received from Villa Thuret, Antibes, in February, 1869. We grow two varieties of it, one corresponding exactly with Ventenat's figure, with large flowers, and another with somewhat smaller pale yellow flowers. *P. jasminoides* is considerably less vigorous; it was bought at Hyères in December, 1867.

PAPHIOPEDILUM.

Better known in gardens as *Cypripedium*. All the species enumerated do well in the open, in the shade of the pergola.

PASSIFLORA.

Some species thrive beautifully, and *P. actinia*, *P. cærulea*, *P. racemosa* have been long established in the garden. *P. Hahnii* and *P. capsularis* were received from Kew in 1905, and succeed perfectly. Many of them produce fruit more or less abundantly, but I have never seen *P. actinia* and *P. racemosa* do so. *P. edulis* produces its much appreciated fruit freely when planted in a warm position.

PEIRESKIA.*

Peireskias just manage to live in the open, but do not make much progress. Under glass they grow and flower in great profusion, especially *P. aculeata*, which occupies a large space in one of the greenhouses. In autumn it is literally covered with pretty little flowers, with a strong and rather disagreeable smell, but it rarely fruits. It was probably procured by Mr. Daniel Hanbury from Kew in July, 1868. *P. brasiliensis* and *P. discolor* were received in 1901 from Dr. Weber. Others were received in 1906 from Mr.

* The genus was named in honour of Nicolas-Claude Fabri de Peiresc or Peiresk (1580-1637), one of the most learned men of his time. Peiresc, the feudal fief of the family, is a little village near Nice. See Dr. F. Mader in *Monatsschrift für Kakteenkunde*, 1910, p. 23, with figure.

W. Weingart. *P. grandifolia* ripens its large pear-shaped fruits on the Island of Elba.

PELARGONIUM.

Nearly all the species of this large, chiefly South African, genus do exceedingly well at La Mortola. We have constantly tried to increase our collection, but have not yet been able to obtain many of those interesting species which form so striking an element of the flora of South Africa, and which would certainly succeed with us.

Some of the species, like *P. pulverulentum* and *P. triste*, have been a long time in the garden, and were first planted by Mr. Daniel Hanbury.

We are indebted for plants of this genus to Miss Willmott and to many botanical gardens, chiefly to Dahlem, Hamburg, and Kew, and to Mr. Willy Müller, of Nocera Inferiore.

PENTZIA.

P. virgata, an elegant little shrub with almost filiform branches, is one of the chief Karroo plants of South Africa, eagerly eaten by sheep. It was probably introduced by Prof. MacOwan.*

PERIPLOCA.

P. græca, a well known deciduous climber. *P. lævigata* is evergreen. It was grown from Canarian seeds in 1900.

PERSEA.

P. gratissima, the Alligator or Avocado Pear,† is extensively cultivated in many tropical and subtropical countries. Thirty young plants were procured from Messrs. Nabonnand, Golfe-Juan, in November, 1870. One tall plant still in the garden probably dates from this planting. *P. indica*, a small tree from the evergreen forests of the Canaries, is liable to suffer from thrips. *P. sericea* cannot be said to flourish here.

PEUMUS.

P. Boldus is a fine evergreen tree, common in the Chilian Andes, which furnishes excellent wood, whilst the leaves were formerly used in medicine.

PHÆDRANTHUS.

P. buccinatorius is one of our finest climbers, with magnificent large red tubular flowers. It grows in Central Mexico at elevations of about 2500 m., and is quite hardy here. I have, however, never seen it fruiting, though it does so in Sicily.

PHARBITIS.

Pharbitis (*Ipomœa*) *Learii* is the finest and most commonly planted of the *Convolvulaceæ* family, and has almost become sub-

* See also F. Müller, *Select Extra-Tropical Plants*, &c., p. 253.

† See Strasburger, *Rambles on the Riviera*.

spontaneous in many places on this coast. The flowers, which are of an exquisite blue, are produced in great quantity from spring to summer, and often continue till late in the autumn, but they seldom produce seeds. We received it from Prof. Charles Naudin in April, 1877.

PHASEOLUS.

P. Caracalla has very interesting flowers. It succeeds quite well on the Italian Lakes, but here it has never lived long, although it has been tried repeatedly.

PHILLYREA.

Prof. Fiori, in Fiori and Paoletti, *Flora analitica d'Italia*, has united the three Italian species into one, which of course may be justified by their great variability. With us, however, *P. angustifolia*, which is common on the rocks near the sea, is a very distinct plant, and I have never seen intermediate forms running into *P. media*. Our plant of *P. latifolia* came from the Royal Botanic Garden of Munich (October, 1909), where it was originally introduced by Dr. H. Ross from Sicily. *P. Vilmoriniana* is a more showy plant, but seems rather less adapted to our soil and climate.

PHŒNIX.

The common Date Palm (*P. dactylifera*) is abundantly planted near Bordighera, where it has been in cultivation since the sixteenth century for the production of palm leaves for Catholic and Jewish ritual service.* There are several big old specimens in the garden, all planted by Sir Thomas Hanbury, with the exception of the one west of the house. The latter is a sucker from an old plant, which was already on this spot, when Sir Thomas Hanbury bought the property, but was blown down in a gale a few years later.

The dates produced on the Riviera are of little value, but better results might certainly be obtained if offshoots of good and early kinds were introduced. There is a form grown in Nice as *P. melanocarpa* Sauvaigo, which is said to produce good dates,† and so does one known as *P. macrocarpa* in Mr. Winter's establishment at Bordighera.

The *Phœnix* being diœcious are therefore disposed to hybridize; the plants grown from seeds collected in gardens are often of hybrid origin. The species catalogued as *P. acaulis* Hort. is probably a hybrid between *P. pumila* Hort. and *P. reclinata*. *P. macrocarpa* originated in the Canary Islands, and is said to be a hybrid between *P. canariensis* and *P. dactylifera*. *P. hybrida* Hort. and *P. Rivieri* are hybrids of *P. canariensis* too. *P. pumila* Hort., most likely another hybrid, is a plant with a short stem and short leaves, with the petioles invariably yellow and the

* See Strasburger, *Rambles on the Riviera*.

† Emile Sauvaigo, "Les *Phœnix* cultivés dans les Jardins de Nice. Le *Phœnix melanocarpa* de la Villa Henry de Cessole," in *Revue Horticole*, 1894, pp. 375 and 493.

spines almost black. *P. canariensis* is the most decorative and most generally planted species along the coast. It is very hardy, succeeds on every soil, and ripens annually a great quantity of seeds.

Many other forms are grown on the Riviera. Their nomenclature is much confused, and a thorough study of them is much needed.

I am greatly indebted to Dr. Odoardo Beccari, of Florence, for helping me to name the *Phoenix* and other palms of this garden.

PHYLLOCACTUS.

A genus of *Cactaceæ*, with flat leaf-like stems and showy flowers. Several are quite hardy in half-shady places, and can also be grown epiphytically. *P. anguliger* and *P. latifrons* were first brought here by Mr. Daniel Hanbury from Kew in July, 1868. Other species were received from various sources. *P. grandis* was brought from Palermo Botanic Garden in 1901. Besides the species enumerated in the Catalogue a great number of hybrids are cultivated.

PHYLLOCLADUS.

P. trichomanoides. We have always had great difficulty in growing this plant, for which the climate and soil are little adapted.

PICEA.

P. excelsa, a native of our Alps, just manages to exist in the shadiest place of the valley, but succeeds quite well near Bordighera. We are more successful with the Himalayan *P. Morinda*.

PILOCARPUS.

*P. pennatifolius** was received from the Strassburg Botanic Garden through Prof. Flückiger in June, 1880. It is now a handsome and dense round bush, 3·20 m. high and 3·00 m. broad. The plant received under the name of *P. racemosus* seems scarcely to differ.

PINGUICULA.

P. grandiflora; this dainty little plant is a native of wet rocks in the Roja valley between Fontan and San Dalmazzo, whence Sir Thomas Hanbury annually used to bring a supply of fresh specimens, which were planted on a wet wall.

PINUS.

We have tried a great number of species, but only a few have succeeded. The finest pine of the garden, with an elegant pyramidal growth, is *P. canariensis*. Thirty young trees were procured by Mr. Daniel Hanbury from M. Nabonnand, Golfe-Juan, in November, 1870. The largest specimen now in the garden is 23 m. high and has a stem of 2·40 m. circumference at the base. The species is extremely resinous.

* See the interesting history of this plant in Flückiger & Hanbury, *Pharmacographia*, second edition, p. 113; and the recent study of the species, founded partly on material from La Mortola, by R. Jenzer, *Pharmakognostische Untersuchungen über Pilocarpus pennatifolius* Lem., &c. Zürich, 1910.

P. Pinaster, *P. halepensis*, and *P. Pinea* have been planted in the lower western part of the garden, and on the cape, as a wind-break. *P. halepensis*, which now densely covers the western slopes of the valley, has grown up after it had been protected by strict prohibition of cutting and pasturing, against depredation of men and goats. It is a good example of the recuperative power of a forest, when not interfered with. (See plate III.)

P. radiata was grown from seeds received from M. Thuret, Antibes, in February, 1869. The tallest tree is now 15·80 m. high, with a circumference of the stem of 1·90 m. at the base, and a crown spreading 9·00 m.

PIRUS.

Apple and pear trees do not succeed well at La Mortola. The soil is apparently too dry for them during summer, and they suffer a good deal from insect and fungoid diseases. A few hundred metres higher up on our mountains they grow vigorously in company with lemon trees.

P. syriaca was collected for us by Mr. Hartmann, in Syria, whence we received it again through Mr. A. Aaronsohn, of Haifa. *P. trilobata*, a very interesting and rather rare tree in gardens, was procured from Messrs. Veitch & Sons, in November, 1868. It is now 9·20 m. high, 5·50 m. broad, and has a circumference of 1·10 m. at the base.

PITHECOCTENIUM.

P. muricatum was given by Prof. Decaisne, Jardin des Plantes, Paris, to Mr. Daniel Hanbury, in April, 1872. It is a large climber, almost deciduous in spring. The large white and yellow flowers are succeeded by a most interesting elliptic capsule, the covers of which are muricate, with little prickly warts outside (whence the name *Pithecoctenium* = monkey's brush). It contains a great number of densely packed seeds.

PITTOSPORUM.

A genus comprising a large number of pretty evergreen shrubs and trees, much planted along the Riviera. Several of them bear nice and often very sweet-scented flowers. The commonest species is *P. undulatum*.

P. procerum was received from Villa Thuret, Antibes, in 1904. It has large leaves and forms a tree. *P. rhombifolium*, the "diamond-leaved" *Pittosporum*, is a small tree with light green foliage and yellow fruits. The seeds were received from Mr. R. T. Baker, of Sydney, in January, 1898. *P. umbellatum* and *P. patulum* were received from Tresco Abbey, in 1909.

PLATYCERIUM.

P. alcicorne has been grown for many years in the open, and also epiphytically on a *Ficus* tree. For a fine specimen we are indebted to the Botanic Garden at Groningen.

PODRANEA.

P. Ricasoliana is one of our most vigorous climbers, and during its flowering time a great ornament to the garden. It is a native of Pondoland, where it grows in the thickets at the mouth of the Umzimwubu (St. John's) River. Nothing positive is known about its introduction, but it is probably due to Prof. MacOwan.

The genus differs from *Pandorea* by its elongate-linear capsule, with thin flexible, coriaceous entire valves—*Pandorea* has short and oblong fruits and woody valves—as well as by the large inflated calyx and oblong ovary.

POLYGALA.

P. apopetala is a very pretty shrub, 1.50–2.00 m. high, with thin and slender branches terminating in elegant racemes. It was raised from seeds collected by Mr. C. A. Purpus in Lower California, and is figured in *Bot. Mag.* t. 8065 from specimens sent from La Mortola. In its native home it is stated to be only 2–3 feet high.

P. myrtifolia forms shrubs, or even small trees, at La Mortola. It establishes itself on the driest and most arid places of the garden, and is of great beauty when in flower. It varies somewhat in habit, shape of the leaves, and the colours of the flowers. Seeds were first sent to La Mortola by Mr. Daniel Hanbury, in March, 1872. *P. oppositifolia* is very similar, but never so vigorous. Of *P. virgata* seeds were sent by Prof. MacOwan, in June, 1872.

PORLIERIA.

P. hygrometrica was procured from Hyères in December, 1867. It is now a small shrub, about 1 m. high and 1½ m. in diameter. The leaves, which resemble those of some Mimosas, open and close periodically.

PORTULACARIA.

P. afra was first received from M. Thuret, Antibes, in November, 1869. It has been reintroduced, but, although quite vigorous, has never shown any sign of flower.

POTERIUM.

P. spinosum was given to Mr. Daniel Hanbury by M. Thuret, Antibes, in October, 1871.

POUTERIA.

Of *P. suavis* we received several young plants from Signor Giovanni Lanteri, formerly of Villa Garnier, Bordighera, who first had the plant in Europe, and later on from Kew Gardens.

The plant is said to attain the size of a tree, with the appearance of a laurel. The apple-shaped fruit is the size of an apricot, yellow and scarlet when mature, and possesses a delicate perfume. For further particulars see the description by Mr. W. B. Hemsley, in *Kew Bull.* l. c.

PRIMULA.

P. Allionii and *P. marginata*, natives of our Alps, live and flower for some time if brought into the garden, but lose much of their natural beauty. *P. Palinuri*, endemic in Southern Italy, where it grows on Cape Palinuri and Calate della Molpe, does quite well here. It was sent by Lady Ilchester.

PROTEA MELLIFERA.

A plant received from Messrs. Nabonnand, Golfe-Juan, in 1903, which has not yet flowered, is most likely this species. Seeds of *P. abyssinica* were sent in 1908 and 1911 by Prof. I. Baldrati, of Asmara.

PRUNUS.

Peaches, cherries, and plums succeed very well. Mr. Daniel Hanbury remarks in a letter from Antibes, December 7th, 1874: "Cherries thrive exceedingly well in this country, and produce excellent fruit and very early. But the trees must not be pruned; pruning is apt to make them exude gum and is but of little use."

P. ursina, a native of the subalpine regions of the Lebanon, was grown from seeds collected there by Mr. Hartmann, in 1900.

An unnamed species comes from Chitral Valley, where it was collected by Col. A. A. Barnet, in 1904. It is said to be a shrub or small tree, with numerous pure white flowers. With us it is deciduous, with glabrous virgate branches. For the seeds we are indebted to the late Sir Dietrich Brandis, who sent them in October, 1904.

PSIDIUM.

These shrubs ripen their fruit perfectly well here. *P. Cattleianum* was first brought here from Hyères, in 1868, and again by Mr. Daniel Hanbury, in October, 1869, from England.

PTERONIA.

P. incana was introduced at La Mortola, in June, 1872, by Mr. Daniel Hanbury, who probably received the seeds from Prof. MacOwan. It is a shrub, 1·00–1·30 m. high, flowering from April to May, but not ripening seeds. It thrives on the hottest and driest banks of the garden, and has a very sweet scent.

PUNICA.

P. Granatum, the pomegranate. The large bush on the south front of the house existed already when Sir Thomas Hanbury bought the property in 1867. The variety *nana*, a much smaller tree or bush, was planted by Sir Thomas Hanbury, on November 27th, 1868, on the north side of the house. It came from Messrs Veitch.

PUXA.

P. chilensis was received from Mr. Dorrien-Smith, of Tresco Abbey, Scilly Islands, in May, 1901.

QUILLAJA.

Q. Saponaria, the quillai or soap bark tree, was given to Mr. Daniel Hanbury by M. Thuret, Antibes, in October, 1871. The two trees are now about 15·50 m. high, and have stems about 1·74 m. in circumference.

RAMONA.

R. grandiflora is a rather pretty perennial or subshrub, with large red flowers. *R. polystachya*, which is far less attractive, shows interesting movements of the style, which is finally bent to one side of the flower.

RAPHIOLEPIS.

R. indica, one of our prettiest shrubs, rarely produces seeds, whilst *R. japonica* fruits abundantly.

REEVESIA.

R. thyrsoidea was grown from seeds received by way of Kew from Hong Kong Botanic Garden in January, 1883. It is a shrub about 2·50 m. high.

RESEDA.

For a long time much doubt existed regarding the native country of the Mignonette (*R. odorata*), but it is now ascertained that it is the Cyrenaica, where the late Dr. Taubert collected the plant near Derna,* in 1887. Prof. Schweinfurth recalls the fact that it was introduced at the Jardin des Plantes, about two hundred years ago, by the French traveller Granger.

RHIPSALIS.

Most of the species of this genus can be grown here epiphytically in the open, and do perfectly well. *R. funalis* (= *R. grandiflora* Haw.) and *R. pachyptera* were first introduced by Mr. Daniel Hanbury in July, 1868.

We owe most of our species to the Botanic Gardens of Dahlem, Kew, and Paris; to Dr. Weber, Mr. Weingart, &c. Two species were received from Mauritius through the kindness of Dr. Koenig, several from M. C. Wercklé, of San José de Costa Rica, and from Prof. C. F. Baker, of Cuba.

RHODODENDRON.

Except *R. indicum* we cannot grow any species of this genus, on account of the calcareous nature of soil and water. *R. arboreum* we had for some time, but it ultimately perished.

RHUS.

Several species of this genus are known to be extremely poisonous. *R. venenata* and *R. vernicifera* have proved so here.

* See Durand et Barratte, *Floræ Lybice Prodrômus*, p. 27.

From the juice of the latter the Japanese obtain their excellent varnish. *R. tomentosa*, *R. excisa*, and *R. lancea* were introduced in June, 1872, by seeds received from the late Prof. MacOwan.

ROSA.

Of *R. Allionii* there is one plant in the valley; it is easily known by its distant leaflets.

R. Banksiæ with single yellow flowers is the most abundant Rose in the garden, and is of great beauty during the month of April. Nothing is known as to its introduction here, but it was already cultivated before December, 1870. The late Sir Joseph Hooker, who gives a full account of the introduction of the Bank-sian Rose into Europe, figures this yellow form from La Mortola as the type in *Bot. Mag.* t. 7171. I am, however, informed by Dr. A. Henry that this is not the original wild form of the species, but a product of cultivation in China, whilst the real type, a single, white-flowered plant, is very common in the Ichang Province, &c. This single white *R. Banksiæ* is at present not represented in the garden, unless it is included in the collection recently received from Mr. Wilson.

R. berberifolia has often been tried without success.

R. bracteata is growing very well; it is late flowering and does not fruit.

R. bourboniana is a large, most vividly coloured and almost single-flowered, very sweet-scented rose. It is an upright shrub, about 1·00–1·50 m. high.

R. damascena conditorum and *trigintipetala* were bought from Dr. Dieck, of Zöschén, in November, 1898. Three plants of the latter variety were presented to Sir Thomas Hanbury by King Ferdinand of Bulgaria, in 1903, from the rose fields of Kazanlik, which is the chief locality for its cultivation.* This historic town is situated on the southern exit of the Shipka Pass in a beautiful undulating plain, where the principal occupation of the inhabitants is the manufacture of Attar of Roses or Rose Oil.

R. foliosa × *rugosa* was received from M. Maurice L. de Vilmorin in 1906.

R. Fortuniana resembles a large double white *R. Banksiæ*, but it must not be mistaken for the "*Rose Fortune's double yellow*," a marvellous hybrid rose, figured in *Bot. Mag.* t. 4679. Mr. Fortune found this latter at Ningpo, in the garden of a rich Mandarin. It was introduced into England in 1845.

R. gigantea was grown from seeds received from Mr. Thompson, of Ipswich. It was introduced into Europe in 1888, but has been everywhere a very shy bloomer. It first flowered at Château Eléonore, Cannes.

R. indica major is generally used as stock for budding. It is the most common rose along the coast, occurring almost sub-

* See Flückiger & Hanbury, *Pharmacographia*, pp. 233–238, second edition, pp. 262–268.

spontaneously, and being very ornamental with its numerous beautiful pale rose flowers. *R. indica semperflorens*, an old-fashioned but very pretty rose, was introduced into England about 1790. *R. indica semperflorens simplex* was bought from Dr. Dieck, of Zösch, in November, 1898. It is a very fine single rose. *R. indica viridiflora* is a monstrous form with green flowers, the petals having become green and leaf-like.

R. levigata, commonly known as Rose "Camellia," is much planted on the Riviera and very effective with its beautiful foliage and large single, very regular, pure white flowers. *R. Fortuniana* is probably a cross between this and *R. Banksia*. The hybrid "Anemone" comes very near *R. levigata*. Its flowers are very deep rose-coloured and of great beauty in April.

R. lutea and the var. *bicolor* were received from M. Edm. Boissier, the author of the *Flora Orientalis*, in November, 1877.

R. Lyelli is a fine climber, of the habit of *R. moschata*.

Of *R. microphylla* we have only the double-flowered form.

R. moschata is an extremely vigorous climber with a great profusion of flowers. It has long been grown in this garden under the name of *R. Leschenaultiana*. It was sent to La Mortola by Mr. W. Saunders, of Reigate, before 1873.

R. multiflora and its varieties were procured in 1898 from Mr. Ruschpler, of Dresden. We also received a plant from Cav. C. Sprenger in 1910, which was collected in Hupeh. The "Crimson Rambler" is not so successful as in the North, and flowers rather late.

R. nutkana, *R. oxyodon* and others came from Dr. Dieck in 1898.

R. phanicia was grown from seeds collected near Beirut by Mr. Hartmann in January, 1900.

R. sempervirens $\times$ *moschata* fl. pl. was planted by Mr. Daniel Hanbury. It is now climbing into a large Yucca tree. Not all of its flowers are double. The origin of the plant is not known.

R. Soulieana was received from M. Maurice L. de Vilmorin in 1906 and 1907.

R. Watsoniana, named in honour of the American botanist, Sereno Watson, is distinguished from all the others by its elegant growth, the narrow linear lanceolate leaflets, and the very small flowers.

Besides these species and varieties a great quantity of garden roses are cultivated at La Mortola. Most of these flower twice a year, from October to the middle of January, and again in spring from about the middle of March till the middle of June, but they are generally at their best in April and May. During summer these roses rest. The cultivation of roses for export forms a very important branch of agriculture all along the Riviera. Lord Brougham and Vaux has published an interesting catalogue of his rose garden, which deserves the attention of every rose grower on this coast.*

* List of Roses now in Cultivation at Château Eléonore, Cannes, with Descriptive Notes. London. 1898.

ROSMARINUS.

R. officinalis grows abundantly everywhere in the grounds. It varies a great deal in the colouring of its flowers. There is a tendency in some individuals to suppress the development of the stamens, so that the flowers become entirely female. The var. *humilis* has a prostrate habit with closely adpressed branches, and is, therefore, well adapted for covering walls and rocks.

ROUPALA.

Only *R. Pohlii multijuga* is still in the garden. *R. De Jonghii* Hort., *R. elegantissima* Hort., *R. corcovadensis* Hort., and *R. Vervaneana* Hort. were procured from Messrs. Veitch in 1905, but only lived a short time.

ROYENA.

R. lucida was introduced by seeds sent by Mr. Daniel Hanbury in September, 1871. With us it is a small densely branched bush, but in South Africa, where it grows on the Table Mountain and in Knysna forests, it reaches a height of 12-15 m.

RULINGIA.

Seeds of *R. corylifolia* were received from Dr. Alfred Russel Wallace in 1905.

SABAL.

S. Adansonii, a low-growing palm with creeping stem, was grown from seeds received from M. Thuret, Antibes, in February, 1869. *S. Blackburnianum* was bought from Prince Troubetzkoy in July, 1888. It is now 4 m. high, with a stem of 2 m. circumference at the base. *S. umbraculiferum* is given as a synonym of *S. Blackburnianum* in *Index Kewensis*, and, in fact, the plants grown here as such do not seem to differ. Some fine specimens may be seen in Mr. L. Winter's garden "Vallone," near Bordighera.

Besides these there occur in the gardens along the Riviera plants with the following names:—*S. Palmetto*, *S. princeps*, and *S. serrulata*, which apparently belong to *S. Blackburnianum* and *S. Adansonii*.

SACCHARUM.

The Sugar-cane, *S. officinarum*, has been tried several times, but never flourishes here.

SALIX BABYLONICA.

Was bought from Fratelli Rovelli, Pallanza, in April, 1877. It is planted near the water in the valley, and has grown into a fine tree.

SALVIA.

Most of the shrubby species from Mexico and the subtropical regions of South America are very showy during the winter.

Perhaps the finest are *S. gesneræflora*, *S. Heerii*, *S. involucrata*, *S. mentiens*, and the tall *S. Sessei*.

S. albocærulea has white and blue flowers, as the name indicates; the flowers and foliage emit an agreeable smell like apples. *S. aurea* has terra-cotta coloured flowers. The foliage smells like Rosemary. *S. cacaliæfolia* somewhat resembles *S. patens*, for which in our garden it is a substitute. *S. cyanea* was received some years ago from Mr. C. Wercklé, of Costa Rica. *S. discolor* is a curious species. It has drooping flowers of a very dark violet with viscid peduncles. This viscid exudation probably protects the flowers against slugs, ants, flies, and other small insects. *S. Grahامي* is very drought-resisting, succeeding in very dry places. The leaves of *S. leonuroides* are chewed in Peru as a remedy against toothache. *S. mentiens* much resembles *S. involucrata*, but has a larger and glandular pubescent calyx.

SAMUELA.

This genus differs from *Yucca*, which in habit it closely resembles, by having the perianth distinctly tubular and gamophyllous below, with the stamens beoming free only at the throat. We are indebted to Prof. William Trelease, of St. Louis, who established the genus, for seeds of both species, received in October, 1900.

SARCOCAULON.

S. Burmanni was received from Kew in October, 1890. *S. Patersonii* was first grown from seeds received from Prof. MacOwan in February, 1875. They are low succulent thorny shrubs, the thorns being formed by the persistent petioles.

SAXEGOTHEA.

S. conspicua did not succeed. In Parc Chambrun at Nice fine specimens may be seen.

SCHINUS.

S. Molle, the so-called "Pepper-tree," "le faux poivrier," is much planted along the coast for its elegant foliage and habit. The first trees were procured from Hyères and planted at La Mortola in December, 1867.

SCHOTIA.

S. brachypetala flowered for the first time in July, 1909, without fruiting. The flowers are of a deep crimson tint and rather showy. *S. latifolia* flowers and fruits freely. The fruit is a large pod containing one to three large seeds with a big yellow arillus.*

SCHUBERTIA.

S. grandiflora was received from Messrs. Haage & Schmidt, of Erfurt, in 1905. The genus is closely allied to *Araujia*.

* See note in *Gardeners' Chronicle*, 1909, ii. p. 375.

SCILLA.

S. hæmorrhoidalis was procured from Messrs. Wildpret & Schenkel, Hamburg and Orotava, in 1908. *S. hyacinthoides* is a native of the olive woods near Mortola. *S. italica* grows on our mountains, whence it has been introduced into the garden.

SECHIUM EDULE.

A perennial with a thick and fleshy rootstock; ripens its fruits from December to January. They are known as "Chocho" in the West Indies, where they are much appreciated and eaten by all classes. Occasionally they are shipped to England and sold as "Chayotes." The plant was long ago introduced to the Mediterranean region from Madeira. Our plants were grown from fruits sent by Mr. Max Herb, of Naples, in 1902. The fruit only contains one seed, which germinates whilst the fruit is still fresh and green.

SEDUM.

Some of the perennial species of Northern temperate regions find our climate and soil too hot and dry.

SEMELE ANDROGYNE.

A fine climber with large cladodia, has been generally separated from *Ruscus* on account of its mostly hermaphrodite flowers, the perianth and the stamens of which are united into a short tube at the base. So far our plant has never borne fruit.

SEMPERVIVUM.

Almost all the Canarian (arborescent or woody) species succeed very well at La Mortola, although many are sensitive to frost. They all flower and fruit abundantly. Many of them are old inhabitants of the garden, but the greater part were procured in later years from many botanical gardens, chiefly from Basel and Prague.

The Alpine species have been given up, as with a few exceptions they do not thrive, our climate being too hot and dry.

The Canarian species, on the contrary, are perfectly at home here, and afford an excellent illustration of xerophytic adaptation. After having flowered and ripened their seeds they lose, on the approach of the hot season, their old leaves, and finally retain only a small and very compact rosette, in which the leaves are densely imbricated, thus exposing only a very small surface. When the moist autumn begins the rosette opens and produces much larger leaves, quite different from those of the summer resting state.

However, not all species behave in the same way; *S. tabulæforme*, for instance, never loses its flat form; but then this species only grows well in shady places, where it does not need special protection against excessive evaporation.

SENECIO.

S. angulatus was introduced by seeds sent by Prof. MacOwan in February, 1875. It is now widely spread along the Riviera, covering in autumn and winter the banks and walls with a rich mass of golden yellow flowers.

S. Barba-Johannis and *S. Prainianus* were procured from Mr. Willy Müller, Nocera, in 1909; both were originally introduced by Cav. C. Sprenger from the neighbourhood of Vera Cruz. Of *S. deltoideus* seeds were sent by Mr. D. Hanbury in November, 1870, probably from Prof. MacOwan. This is now semi-wild in some parts of the garden, where it climbs over shrubs and trees and forms a great mass of fresh green. The flowers are insignificant.

S. mikanoides is a more decorative plant. It has run wild in some places, for instance at Bordighera, where it climbs over hedges.

S. macroglossus is a much finer climber, with showy flowers. It was received from Kew in February, 1875.

S. hadiensis was received from Cav. C. Sprenger in 1901; its introduction is due to Prof. Schweinfurth.

S. grandifolius and *S. Petatites* are Mexican shrubs with ornamental foliage. *S. Prainianus* is much related to the last species, but it differs from it by its large drooping panicles, larger flower heads, and almost glabrous leaves. *S. præcox* is another Mexican, almost succulent, species, collected by Mr. C. A. Purpus in 1905. The species had previously been in the garden, and flowered in 1891 (see plate V.). *S. longifolius* is a half succulent shrub from the Cape. Seeds were received in June, 1872, probably from Prof. MacOwan. It is almost subspontaneous in the garden. *S. junceus* and *S. scaposus* are succulents.

SEQUOIA.

Of *S. gigantea*, the "Big Tree" of California, we have only a young plant. *S. sempervirens*, the evergreen "Californian Redwood," is not quite so fine with us as it can be seen in S.W. Ireland and on the Italian Lakes. Our tree is about 22 m. high, with a circumference of 3 m. at the base.*

* Prof. Willis Linn Jepson, in his book *The Silva of California*, gives an excellent account of both species, illustrated by many fine photos, their geographical areas, and economic value. According to him *S. sempervirens* reaches 100-340 feet in height. It is an inhabitant of the humid coast region from the south-west corner of Oregon to Monterey County, a narrow strip 450 miles long and 20 miles wide, reaching an altitude of 3000 feet. "This Redwood belt is as distinctly marked by its physical and climatic characteristics as by its presence of Redwood trees. It is distinguished as a region of high rainfall in the rainy season, of prevailing fogs in the dry season, and of slight change of temperature during each day and during the year." *S. gigantea* is said to become 150-325 feet high. "It inhabits the western slope of the Sierra Nevada from Placer Corner to Tulare County, a longitudinal range of 250 miles. The southern groves reach an altitude of 7500 feet above the sea. It is a region where the average rainfall is 45-60 inches, where the snow becomes two to ten feet deep, and lies on the ground three to six months! The average age of adult trees is 400-1500 years. A few trees show as high as 2200-2300 rings."

SOLANDRA.

S. macrantha, a glabrous climbing shrub, grows well in the open in a very sheltered place, but does not flower there, though it does so regularly under glass. *S. grandiflora* is a pubescent shrub, grown from seeds sent by Mr. C. Wercklé from Costa Rica; it has not yet flowered.

SOLANUM.

Most species enumerated in the Catalogue do very well here; some, such as *S. acanthocarpum*, *S. aviculare*, *S. auriculatum*, *S. crinitum* var. *costaricense*, *S. giganteum*, and *S. Warszewiczii* almost form small trees. *S. acanthocarpum* has fruits of the size and colour of a small orange. It was first grown from seeds sent by Mr. D. Hanbury, in January, 1869. *S. Cervantesii* was reintroduced into the garden through seeds collected in Mexico by Dr. H. Ross, of Munich, in 1906. *S. crinitum* var. *costaricense* was grown from seeds sent by Mr. C. Wercklé; it is a fine plant with elegant, very tomentose foliage and fine blue flowers. For *S. crispum* we are indebted to Lord Walsingham; for *S. giganteum* to Cav. C. Sprenger. *S. jasminoides* is a vigorous climber, which flowers with great profusion and is frequently met with on the Riviera. I have rarely seen it fruiting here, although it does so quite freely in some other places, for instance, at Garavan. Seeds of *S. lanceolatum* were received from M. Thuret, Antibes, in February, 1869. It is a small shrub with pretty pale violet-blue flowers. *S. Pocote* was received under this name from the Buenos Aires Botanic Garden in 1901, and also from Messrs. Lemoine, of Nancy. It has pretty yellow fruits. *S. Wendlandii* is a tall climber with perhaps the largest flowers of the genus. Unfortunately the plant is deciduous during winter and only flowers in summer and autumn, but is then of unrivalled beauty. Mr. F. Ledien sent it from the Botanic Garden of Dresden in 1901.

S. aviculare, *S. marginatum*, *S. rostratum*, *S. sisymbriifolium*, *S. sodomæum*, and others occasionally come up spontaneously in the garden as weeds.

SONCHUS.

We are indebted to Dr. George Perez, of Orotava, for seeds of the shrubby Canarian species. Of these, *S. Jacquinii* has proved most suitable for our garden.

SOPHRONITIS.

These little orchids grow quite well epiphytically in the open. They were procured a few years ago from the late M. Binot, who introduced them from the Organ Mountains.

SPARAXIS.

S. grandiflora and *S. tricolor* are scarcely more than varieties of one species. They are very showy spring flowers, useful for covering the ground on dry spots of the garden.

SPARMANNIA AFRICANA.

A shrub with soft, large leaves and white flowers with numerous yellow stamens, was first obtained from Messrs. Huber & Co., Hyères, in December, 1867.

SPHÆRALCEA.

S. umbellata is much grown on this coast. It is a much branched shrub, from 2-3 m. high, flowering abundantly for a long time. The flowers are of a brilliant reddish brown colour, with free obovate, stipitate and deciduous involucreal leaflets. The leaves measure $3\frac{1}{2}$ -4 inches across.

*S. speciosa** has been grown so far in the garden as *Hibiscus spec.*? It is a much larger plant, closely related to *S. nutans* Scheidw., figured in *Flore des Serres*, t. 726, with which it agrees in almost every detail except that the involucreal leaflets are connate in the lower half and form an outer calyx with three broad ovate obtuse lobes. The flowers are very large and showy, of a fine purple rose. The leaves are 6-7 inches broad, acutely five-lobed. I know nothing about the origin of this plant, and do not remember having seen it elsewhere. As *S. nutans* is said to be a native of Guatemala, our plant is very likely Central American, too.

SPHÆROSICYOS.

S. sphericus was received a few years ago through the Bishop of Lebombo, from Lourenco Marques. If sown early enough in spring it will ripen its fine globular fruits, which remain fresh and green for several years.

STANHOPEA.

S. oculata has been grown for several years in the open on an olive tree, and has flowered once or twice, but it is rather too tender for our winter.

STAPELIA.

Most species of this genus succeed very well here, and have been largely cultivated. *S. variegata* was planted as early as 1868. This species and its near allies are now almost subsontaneous in the garden, coming up everywhere from seeds if left undisturbed. *S. grandiflora* was bought from the Jardin d'Essai, Hamma, in Algeria, in February, 1873, and seeds were also introduced from Prof. MacOwan, in 1875. Since then this species has been one of the most interesting plants in the garden. It forms large patches with as many as 40-50 stems, from which a constant succession of flowers is produced from September until December.

In 1899 and later on a great number of species and varieties were obtained from Messrs. Dammann & Co., in San Giovanni à

* *S. speciosa* Berger, n. sp., affinis *S. nutanti*, a qua differt involucri foliis usque medium campanulato-connatis, apice lobis tribus ovato-rotundatis appressis, calyce paululum brevioribus, floribusque magis erectis vix nutantibus speciosis roseo-purpureis.

Teduccio, near Naples. Others were received from the Royal Gardens of Dahlem and Kew, from Messrs. N. E. Brown, of Kew, G. Capelle, of Springe, near Hanover, the late Justus Corderoy, of Blewbury, Didcot, K. Dinter, of Okahandja, Pillans, of Rosedale, near Cape Town, Haage & Schmidt, of Erfurt, &c.

Stapelias are fertilized by flies; many species and varieties flower at the same time, so that hybridization often occurs. For a detailed description of the *Stapelias* grown at La Mortola, their fertilization, hybrids, &c., see my handbook.*

STATICE.

The fine shrubby Canarian species succeed perfectly well, and are of great beauty when in flower, especially *S. fruticans*. They are, however, apt to suffer from frost. We owe most of them to the kindness of Lord Walsingham and Dr. George Perez, of Orotava.

STENOLOBIUM.

This genus differs from *Tecoma* by having pinnate (not 3-5-digitate) leaves, from *Tecomaria* by its free anther lobes and by having two rows of ovules in each cell. *S. stans* was grown from seeds received from M. Thuret, Antibes, in February, 1869. It is a small tree with fine yellow flowers. *S. sambucifolium*, which it resembles closely, was received from Dr. F. Franceschi, of Santa Barbara, California. *S. alatum* is, according to Mr. Sprague, the correct name for *Tecoma Smithii*, a plant said to have been grown from seeds of *T. velutina* fertilized with *Tecomaria capensis*. We grew it from seeds received from Messrs. Haage & Schmidt, Erfurt, in January, 1898.

STIGMATOPHYLLUM.

S. ciliatum succeeds quite well, and flowers beautifully in a sheltered corner. The flowers are of a fine bright yellow and shaped like those of an *Oncidium*.

STRELITZIA.

S. Augusta and *S. Regina* were bought from the Jardin d'Essai, Hamma, in Algeria, in February, 1873. They are now fine bushes, which flower every year. One plant of *S. Augusta*, on the south side of the house, was planted there on June 16th, 1897. It is now 3.30 m. high.

S. parvifolia, as well as the hybrid *S. Regina* $\times$ *parvifolia*, was received in 1901 from the Botanic Garden at Genoa.

The flowers of *Strelitzia* offer fine examples of fertilization by birds.† In spite of artificial impollination they have never produced any fruit here.

STYRAX OFFICINALIS.

A dozen young trees were planted near the house on Novem-

* *Stapelieen und Kleinien*.

† See G. F. Scott-Elliot, "Note on the Fertilization of *Musa*, *Strelitzia Regina*, and *Ravenala madagascariensis*" in *Annals of Botany*, vol. iv. No. xiv. (May, 1890), pp. 259-262.

ber 14th, 1868, by Mr. D. Hanbury. They are now large bushes or small trees. From this tree the drug "true storax," a solid resin of balsamic odour, is obtained.* After having long searched for this resin in many localities, Mr. D. Hanbury to his delight found it on one of the young trees at La Mortola, on December 9th, 1874.

SUTHERLANDIA.

Seeds of *S. frutescens* were sent by Mr. D. Hanbury, in June, 1872, probably received from Prof. MacOwan.

TACSONIA.

A genus only differing from *Passiflora* in the longer receptacle; contains a number of very fine flowering climbers. Many of them are but short-lived plants. Perhaps the showiest among them are *T. Van-Volxemi* and *T. insignis*. The latter was purchased from Messrs. Veitch & Sons, in June, 1905. *T. manicata* is a very free flowerer; its blossoms have but a short receptacle and scarcely differ from *Passiflora*.

TALAUMA HODGSONI.

Was given to Sir Thomas Hanbury about ten years ago by Mrs. Brian Hodgson. It has not yet flowered.

TAVARESIA.

These fine *Stapeliceæ* have often been tried, but always succumbed during the wet winter months. *T. angolensis* was first brought from Kew, in July, 1868, by Mr. D. Hanbury.

TEMPLETONIA RETUSA.

Was introduced from seeds sent by Mr. D. Hanbury, in June, 1872.

TESTUDINARIA ELEPHANTIPES.

Has been tried repeatedly. Some very large stems had been imported, but the plants seem to have suffered from our winter rains. We have now a seedling plant growing on a dry wall.

TETRAPANAX PAPYRIFER.

This is the plant from the pith of which the Chinese rice paper is prepared. It was believed for a long time to be a native of Formosa only, but has been found by Dr. Henry in the Province of Hupeh,† and according to Alexander Hosie‡ it grows luxuriantly in the Province of Kueichow; it is also found in Szu' ch'uan, but in this district the stems are not so fully developed as those produced in the somewhat more southern province. This corresponds with the growth of our plants on the Riviera, which have

* See Flückiger & Hanbury, *Pharmacographia*, p. 246, second edition, pp. 271-276, and D. Hanbury's *Science Papers*.

† F. B. Forbes & W. B. Hemsley, "Enumeration of all the Plants known from China Proper," &c. in *Journ. Linn. Soc.*, vol. xxiii. p. 341.

‡ See Alexander Hosie, *Three Years in Western China*, second edition. London, 1897, pp. 22-24; Hooker, *Journal of Botany*, ii. (1850) p. 20 and iv. (1852) p. 50.

too slender stems to produce any good-sized pith. If planted in a moist place the species attain a much more vigorous growth.

For making the paper, the pith is first cut into pieces up to one foot long. These pieces are then rolled on a flat stone with the left hand against a very sharp knife, which is kept by the worker in his right hand, and in that way cut spirally into very thin sheets of uniform thickness. This work requires a steady hand and a keen eye, and is done in the middle of the night, when the makers are not liable to be disturbed.

THEA SINENSIS.

The "tea shrub" only grows with difficulty here, neither climate nor soil being adapted for it. It succeeds much better on the Italian Lakes.

TILLANDSIA.

Several xerophile species are grown epiphytically on trees. *T. xiphioides* has been cultivated in the pergola for nearly forty years. *T. dianthoidea*,* *T. Durati*, &c., do equally well; the former flowers almost annually. The strange *T. usneoides* was sent to us by Dr. H. Ross, of the Munich Botanic Garden, who collected it in Mexico in 1906. It does best when hanging fully exposed to the sun. We are indebted for the same plant and several other Tillandsias to Prof. D. Fairchild, of the United States Department of Agriculture. This Floridan *T. usneoides* has much thinner branches than the Mexican one.

TODEA BARBARA.

A large stem of this fern was presented to Sir Thomas Hanbury through Prof. Penzig by the late Baron Ferdinand von Müller, of Melbourne. It lived for several years, but finally died for want of a suitably cool and moist place.

TOONA CILIATA.

A large tree of a remarkably quick growth. It is almost evergreen, as it only sheds its leaves for a few weeks at the end of the winter, and is green again from the beginning of April. Young trees are, however, evergreen. As it fruits abundantly we have distributed quantities of seeds. It deserves to be largely planted, especially in town gardens, where shade trees are required. It wants good and fresh soil.

According to Sir Dietrich Brandis (*Forest Flora of North-west and Central India*, p. 73): "the sap wood is whitish, the heart wood red or reddish brown, light, even, but open-grained, not strong, seasons readily, is easily worked and polishes well, somewhat fragrant, when sawn or broken. . . . The bark is a powerful adstringent, and from the flowers a red or yellowish dye is made."

* *T. dianthoidea* is the most commonly cultivated epiphyte in this country; it is often met with on trees, on balconies, &c. Prof. O. Penzig has observed in 1892 in the Genoa Botanic Garden seedlings coming up spontaneously on the branches of *Callistemon linearis*. (*Malpighia*, viii. 1894, p. 461. t. 8.)

In June, 1897, the largest tree in the garden was about 1.60 m. high, and as thick as a little finger. Its present height is 13 m., with a circumference of 2 m. at the base.

TORREYA NUCIFERA.

Was procured from Messrs. Veitch & Sons in July, 1868.

TRACHYCARPUS.

T. excelsa is one of the commonest palms. It is hardier than any other species, and is successfully grown in the open in Northern Italy, Southern England, &c. Although the individuals vary to some extent, there are no characters by which to separate another species (*T. Fortunei*). The characters given by Sir William Hooker (*Bot. Mag.* t. 5221) have proved fallacious (see *Bot. Mag.* t. 7128). Several specimens of this palm were imported by Sir Thomas Hanbury from China. The tallest specimen has now a stem 7.10 m. high, with 50 cm. circumference.

T. Wagneriana has been in commerce for several years, under different names. It is closely related to the former, especially in the way the leaves are cut, in the stem and the petioles, but it is much smaller, the petioles and leaves are stiffer and more erect. The plant appears to be closely allied to *T. nana* Beccari. It was introduced by Mr. Wagner, a horticulturist at Leipzig, and has flowered and fruited in Mr. Winter's establishment in 1911.

Of *T. Takil* we have one single specimen, which was named for us by Dr. O. Beccari. So far it had been grown as *T. Martiana*. It is easily recognized by the stem having the fibres closely and densely adpressed. Its leaves are decidedly glaucous underneath and have stiffly radiating, not pendulous, segments. The basal segments are very convergent, so that the whole blade has an almost circular outline. The plant was received from Kew in February, 1884.

TRICHILIA.

Seeds of *T. havanensis* were received, without name, in 1906, from Dr. H. Ross, of Munich, who had collected them near Mirador at an elevation of 900 m. The plant blossomed first in April, 1910. The flowers are fragrant.

TRISTANIA.

None of the species enumerated succeeds so well as *T. conferta*, which forms a small tree. It was grown from seeds sent by Mr. D. Hanbury in June, 1872, probably received from Baron Ferdinand von Müller, of Melbourne.

TRITHRINAX.

T. brasiliensis is only hardy in very sheltered places. We grew it for several years, but it was finally damaged badly by frost.

TUPIDANTHUS.

T. calyptratus, a beautiful Araliacea, is not unfrequently met with in gardens on the Riviera. Fine specimens may be seen in

the Madonna garden of Mr. L. Winter, near Bordighera, and in the garden of Villa St. Louis, Garavan. With us the plant is a shrub, whilst in its native forests it forms a gigantic climber.

UMBELLULARIA CALIFORNICA.

We had a large tree of this, but it gradually died. It has strongly scented deep green leaves, which are apt to cause violent sneezing. According to Dr. F. Franceschi, of Sa. Barbara,* the tree will succeed best if planted near water; it may attain 60–80 feet, or more.

URGINEA MARITIMA.

A large bulb, generally found in this country planted at the foot of fig trees, where in time it forms large patches. I have not been able to ascertain the reason for this custom. If cut into pieces the bulb is an efficacious rat poison; the juice is very acid, causing irritation of the skin.

VERONICA.

Many of the New Zealand species succeed quite well. *V. Dieffenbachii*, *V. carnosula*, and *V. verrucosa* were received in 1909 from Capt. Dorrien-Smith, of Tresco Abbey.

VITIS.

V. Hookeri Laws. is a vigorous evergreen climber with coriaceous or nearly succulent leaves. We received it some years ago from M. L. de Vilmorin as *V. carnosula*. It has not yet flowered, and may prove to be *V. lanceolaria* Roxb. (*Fl. Brit. Ind.* i. 660). *V. Voinieriana*, which is generally considered a stove plant, is doing quite well here in the open.

WASHINGTONIA.

Mr. S. B. Parish has given an elaborate account† of this small genus of palms. These plants are very much seen in gardens along the Riviera, but generally wrongly named, so I transcribe the key worked out by Mr. Parish, by means of which they may easily be distinguished.

- A. Petiole acuminate prolonged in the blade.
 - a. Blade abundantly filiferous.
 - α. Margins of the petiole armed throughout *W. filifera* var. *robusta*.
 - β. Margins of the petiole unarmed near the blade *W. filifera*.‡
 - γ. Margins of the petiole armed only near the base *W. filifera* var. *microsperma*.
 - b. Blade destitute of filaments or nearly so *W. gracilis*.
- B. Petiole obtuse at junction with the blade *W. sonora*.

* See *Pomona College Journal of Economic Botany*, i. p. 202.

† "A Contribution toward a knowledge of the genus *Washingtonia*" in *Botanical Gazette* xliv. (1907, ii.) pp. 408–434.

‡ The Californian Fan Palm (*W. filifera*) grows along the alkaline streams, rivulets, or springs on the western and north-westerly margins of the Colorado desert, and thence southward to Lower California. (W. L. Jepson, *The Silva of California*, p. 172, plates 6, 55.)

W. gracilis grows the quickest and soon overtops the others. Fine specimens can be seen at Villa Hindoue, and Villa St. Louis, at Garavan. Two small plants of *W. sonora* were sent by Mr. F. Ledien from the Royal Botanic Garden of Dresden in 1899; the tallest is now about 5 m. high and has a stem of 2.20 m.

WIGANDIA.

These form large bushes or small trees, and are of quick growth. *W. caracasana* is far more showy than *W. urens*. It has large bunches of violet coloured flowers. The leaves are green on both sides, whilst those of *W. urens* are tomentose underneath. Both come up very easily from seeds and suckers, and if once established in a place can only be removed with difficulty. They are sensitive to frost and easily damaged, but soon come up again from the roots.

XANTHORRHŒA ARBOREUM.

This is our only representative of a very peculiar genus, comprising eleven species, which form a conspicuous feature in the Australian landscape, and are known to the colonists by the names of "grass trees" or "black boys." Our plant is just beginning to form a stem, which may grow to several feet in height. There are some fine specimens in the Botanic Garden at Palermo.

YUCCAS.

Are perfectly at home here, although with a few exceptions they do not produce fruit. *Y. aloifolia*, which was introduced from Hyères in December, 1867, and is now common in the garden, ripens fruit regularly every year; *Y. elephantipes* only does so occasionally. Some sixteen or twenty years ago Sir Thomas Hanbury introduced from America the moth *Pronuba Yucca-sella*, which is the only insect able to fertilize the Yuccas. But as the moth is so small and only visible at night during a few weeks of the year, nobody could ascertain whether the insect was really established. In 1897 and 1898, however, I found in the garden capsules of *Y. flaccida*, which exhibited the peculiar holes from which the larvæ may have escaped. These capsules are still preserved in the Museum. Since then no other fruits have been observed on these plants.

The most stately Yucca tree in the garden is *Y. elephantipes*. This species has a remarkably thick or broad stem with a rough bark, somewhat like *Beaucarnea*. Its native country has not been ascertained, but according to Prof. Trelease it may come from the Atlantic coast of Nicaragua. In Guatemala, Honduras, &c., this tree is only known in cultivation. It is chiefly used as a rather poor hedge plant. In Guatemala, and probably also in Costa Rica, its flowers are sold in the markets, as they are eaten fried with eggs.

We grow three forms of this species—one with very long and broad, often less canaliculate leaves, which is var. *gigantea*;

a second with medium sized and always canaliculate leaves (the type); and a third one with shorter, stiffer, more rigidly spreading, paler green leaves. This is the var. *Ghiesbreghtii*. Of *Y. australis*, with large pendulous inflorescences, we have one old specimen, which has flowered repeatedly. A very fine plant of it may be seen at Villa Thuret, at Antibes. *Y. Treculeana*, another arborescent species, was bought by Mr. Daniel Hanbury from M. Van Geert, of Ghent, in August, 1872.

Seeds collected from wild specimens of *Y. baccata*, *Y. brevifolia*, *Y. constricta*, *Y. flaccida* var. *glaucescens*, *Y. glauca*, *Y. mohavensis*, *Y. radiosa*, *Y. rigida*, *Y. rostrata*, and *Y. rupicola* were received about ten years ago from Prof. Wm. Trelease; also *Y. decipiens* (as *Y. valida*), which he had collected near Gutierrez, in Mexico. *Y. valida* we received at about the same time from Mr. C. A. Purpus, from Lower California.

Y. Mazeli, another tall and arborescent species, often grown on the Riviera, is doubtfully referred by Prof. Trelease to *Y. Schottii*, from which it seems to differ only in having the leaves persistently a little denticulate. There is a fine specimen of it at Villa Thuret, at Antibes.

Y. Hanburii, described by Mr. Baker in the *Kew Bulletin* 1892, 8. 217, I could not find in the garden. Prof. Trelease in his monograph (*Rept. Miss. Bot. Gard.* 1902, 60) refers this doubtfully to *Y. glauca*.

ZANTHOXYLON.

Z. alatum was first planted by Sir Thomas Hanbury on November 27th, 1868, having been procured from Messrs. Veitch & Sons. It was raised again from seeds sent by Mr. D. Hanbury, November, 1871. This plant is very sensitive to drought. As soon as it begins to suffer it rolls back its leaves, so that their under side is concealed; a few drops of rain cause them to flatten out again. Of the deciduous *Z. Bungei* seeds were sent by Mr. D. Hanbury in June, 1872.

ZIZYPHUS.

Z. mucronatus was received from Cav. C. Sprenger, of Naples, in October, 1901, and also at about the same time from Mr. K. Dinter, of Okahandja in German South West Africa. *Z. sativa* is cultivated in Southern Europe for its fruit, which ripens in September-October.

I wish to express my thanks to those who have given me their kind assistance in compiling this Catalogue, especially to Mr. James Britten, F.L.S., Mr. Clarence Bicknell, M.A., of Bordighera, and to Mr. Alban Voigt, of Dresden.

A. B.

SYSTEMATIC SYNOPSIS OF THE GENERA.

EMBRYOPHYTA SIPHONOGAMA.

GYMNOSPERMÆ.

CYCADALES.

CYCADACEÆ.—*N. Pff.* ii. 1. 6.

Cycadeæ.

Cycas.

Zamieæ.

Ceratozamia.

Dioon.

Encephalartos.

Macrozamia.

GINKGOALES.

GINKGOACEÆ. — *N. Pff.*

Nachtr. i. 19.

Ginkgo.

CONIFERÆ.

TAXACEÆ — *N. Pff. Nachtr.*
i. 20.

Podocarpoideæ.

Podocarpæ.

Podocarpus.

Saxegothæa.

Phyllocladoideæ.

Phyllocladus.

Taxoideæ.

Cephalotaxeæ.

Cephalotaxus.

Taxeæ.

Taxus.

Torreya.

PINACEÆ.—*N. Pff. Nachtr.* 1.
21.

Araucariæ.

Agathis.

Araucaria.

Abietinæ.

Abies.

Keteleeria.

Picea.

Pinus.

Taxodiæ.

Cryptomeria.

Sciadopitys.

Sequoia.

Taxodium.

Cupressinæ.

Actinostrobinæ.

Actinostrobus.

Callitris.

Thujopsidinæ.

Libocedrus.

Thuja.

Thujopsis.

Cupressinæ.

Chamæcyparis.

Cupressus.

Juniperinæ.

Juniperus.

GNETALES.

GNETACEÆ.—*N. Pff.* ii. 1. 116.

Ephedra.

ANGIOSPERMÆ.

MONOCOTYLEDONEÆ.

HELOBIÆ.*POTAMOGETONINÆ.***POTAMOGETONACEÆ. — N.***Pff.* ii. 1. 194.**Posidonieæ.**

*Posidonia.

Potamogetoneæ.

Potamogeton.

APONOGETONACEÆ. — N.*Pff.* ii. 1. 218.

Aponogeton.

*ALISMINEÆ.***ALISMACEÆ. — N.** *Pff.* ii. 1. 227.

Sagittaria.

*BUTOMINEÆ.***HYDROCHARITACEÆ. — N.***Pff.* ii. 1. 238.**Vallisnerioideæ.**

Vallisneria.

Stratiotoideæ.

Stratiotes.

*GLUMIFLORÆ.***GRAMINEÆ. — N.** *Pff.* ii. 2. 1.**Maydeæ.**

Coix.

Zea.

Andropogoneæ.

Andropogon.

Erianthus.

Imperata.

Miscanthus.

Saccharum.

Paniceæ.

*Digitaria.†

Oplismenus.

Panicum.

Paspalum.

Pennisetum.

Spinifex.

Stenotaphrum.

Oryzeæ.

Lygeum.

Phalarideæ.

Anthoxanthum.

Phalaris.

Agrostideæ.

Alopecurus.

*Agrostis.

Apera.

Gastridium.

Lagurus.

Muehlenbergia.

Phleum.

*Piptatherum.

Polypogon.

Sporobolus.

Stipa.

Aveneæ.

*Arrhenatherum.

*Avena.

*Holcus.

Trisetum.

Chlorideæ.

Chloris.

*Cynodon.

Festuceæ.

*Arundo.

*Brachypodium.

*Briza.

Cortaderia.

*Cynosurus.

*Dactylis.

*Desmazeria.

*Eragrostis.

Festuca.

Graphephorum.

*Koeleria.

Melica.

*Molina.

*Poa.

*Sclerochloa.

Uniola.

Hordeæ.

*Agropyrum.

*Ægilops.

† The names marked * are indigenous genera not included in this Catalogue.

*Hordeum.

*Lolium.

Secale.

*Triticum.

Bambuseæ.

Arundinaria.

Bambusa.

Phyllostachys.

CYPERACEÆ.—*N. Pff.* ii. 2. 98.**Scirpoideæ.**

Cyperinæ.

Cyperus.

Scirpinæ.

Scirpus.

Caricoideæ.

Rhynchosporæ.

*Schoenus.

Caricææ.

Carex.

PRINCIPES.PALMÆ.—*N. Pff.* ii. 3. 1.**Coryphinæ.**

Phœniceæ.

Phœnix.

Sabaleæ.

Brahea.

Chamærops.

Erythea.

Livistona.

Pritchardia.

Rhapidophyllum.

Rhapis.

Sabal.

Trachycarpus.

Trithrinax.

Washingtonia.

Ceroxylinæ.

Arecinæ.

Caryoteæ.

Wallichia.

Moreniæ.

Chamædorea.

Areceæ.

Archontophœnix.

Howea.

Kentia.

Cocoinæ.

Attaleææ.

Cocos.

Jubæa.

SPATHIFLORÆ.ARACEÆ.—*N. Pff.* ii. 3. 102.**Monsteroideæ.**

Monstereæ.

Epipremnum.

Monstera.

Philodendroideæ.

Zantedeschieæ.

Richardia.

Colocasioideæ.

Colocasieæ.

Colocasia.

Aroideæ.

Areæ.

Ambrosinia.

Arisæma.

*Arisarum.

*Arum.

Biarum.

Dracunculus.

Helicodiceros.

Sauromatum.

FARINOSÆ.**ENANTIOBLASTÆ.**RESTIONACEÆ.—*N. Pff.* ii.
4. 3.**Haplantheræ.**

Dovea.

BROMELIINEÆ.BROMELIACEÆ.—*N. Pff.* ii.
4. 32.**Bromeliææ.**

Billbergiinaæ.

Ananas.

Billbergia.

Greigia.

Karatas.

Nidularium.

Rhodostachys.

Æchmeinaæ.

Æchmea.

Hohenbergia.

Pitcairnieæ.

Pitcairnia.

Puyææ.

Dyckia.

Hechtia.

Puya.

Tillandsiæ.

Tillandsia.

COMMELININÆ.

COMMELINACEÆ.—N. Pff.

ii. 4. 60.

Commelineæ.

Commelina.

Tradescantieæ.

Tradescantia.

Zebrina.

PONTEDERIINÆ.

PONTEDERIACEÆ.—N. Pff.

ii. 4. 70.

Eichhornia.

Pontederia.

LILIIFLORÆ.**JUNCINÆ.**

JUNCACEÆ.—N. Pff. ii. 5. 1.

Juncus.

Luzula.

LILIINÆ.

LILIACEÆ.—N. Pff. ii. 5. 10.

Melanthioideæ.

Anguillariæ.

Erythrostictus.

Colchicæ.

Colchicum.

Asphodeloideæ.

Asphodeleæ.

Asphodelinæ.

Asphodeline.

Asphodelus.

Anthericinæ.

Arthropodium.

Bulbine.

Chlorophytum.

Eriosperminæ.

Bowia.

Dianellinæ.

Dianella.

Stypandra.

Hemerocallideæ.

Hemerocallis.

Phormium.

Aloinæ.

Kniphofinæ.

Kniphofia.

Aloinæ.

Aloë.

Apicra.

Chamæaloë.

Gasteria.

Haworthia.

Lomatophyllum.

Aphyllanthæ.

Aphyllanthes.

Lomandreæ.

Lomandra.

Xanthorrhœa.

Allioideæ.

Agapanthiæ.

Agapanthus.

Alliæ.

Allium.

Brodiaëa.

Nothoscordum.

Lilioideæ.

Tulipeæ.

Calochortus.

Fritillaria.

Tulipa.

Scilleæ.

Albuca.

Chionodoxa.

Eucomis.

Hyacinthus.

Lachenalia.

Massonia.

Muscari.

Ornithogalum.

Scilla.

Urginea.

Veltheimia.

Dracænoideæ.

Yuccææ.

Clistoyucca.

Hesperoaloë.

Hesperoyucca.

Samuela.

Yucca.

Nolineæ.

Beaucarnea.

Calibanus.

Dasylirion.

Nolina.

Dracæneæ.

Astelia.

Cordylina.

Dracæna.

Asparagoideæ.

Asparagææ.
 Asparagus.
 Danaë.
 Ruscus.
 Semele.
 Convallariææ.
Aspidistrinæ.

Aspidistra.
 Rhodea.

Ophiopogonoideæ.

Liriope.
 Ophiopogon.
 Sansevieria.

Luzuriagoideæ.

Eustrephus.
 Geitonoplesium.
 Lapageria.

Smilacoidææ.

Smilax.

HÆMODORACEÆ.—*N. Pff.* ii.
 5. 92.

Wachendorfia.

AMARYLLIDACEÆ.—*N. Pff.*
 ii. 5. 97.

Amaryllidoideæ.

Amaryllidææ.
Hæmanthinæ.
 Clivia.
 Hæmanthus.

Galanthinæ.
 Leucojum.

Amaryllidinæ.
 Amaryllis.
 Brunsvigia.
 Nerine.
 Vallota.
Zephyranthinæ.
 Cooperia.
 Sternbergia.
 Zephyranthes.

Crininæ.
 Chlidanthus.
 Crinum.
 Cyrtanthus.

Ixiolirina.
 Ixiolirion.

Narcissææ.
Eucharidinæ.
 Hymenocallis.

Narcissinæ.
 Narcissus.

Pancratiinæ.
 Hippeastrum.
 Lycoris.
 Pancratium.
 Sprekelia.

Agavoideæ.

Agave.
 Beschorneria.
 Bravaa.
 Doryanthes.
 Furcræa.
 Leichtlinia.

Hypoxidoideæ.

Alstrœmeriææ.
 Alstrœmeria.
 Bomarea.
 Hypoxidææ.
 Hypoxis.
 Conostylidææ.
 Anigozanthus.

VELLOZIACEÆ.—*N. Pff.* ii. 5.
 125.

Vellozia.

DIOSCOREACEÆ.—*N. Pff.* ii.
 5. 130.

Dioscoreæ.

Dioscorea.
 Tamus.
 Testudinaria.

IRIDINEÆ.

IRIDACEÆ.—*N. Pff.* ii. 5. 137.

Crocoidææ.

Crocus.

Iridoideæ.

Moræææ.
Iridinæ.
 Hermodactylus.

Iris.

Moræa.

Maricinæ.
 Cypella.
 Marica.

Tigridiææ.
Tigridinæ.
 Tigridia.

Cipurinæ.
 Ferraria.
 Homeria.

Sisyrinchieæ.

Libertinæ.

Belamcanda.

Diplarrhena.

Libertia.

Sisyrinchinæ.

Sisyrinchium.

Aristeæ.

Aristinæ.

Aristea.

Ixioidææ.

Ixiæ.

Ixia.

Gladiolææ.

Antholyza.

Babiana.

Crocusma.

Gladiolus.

Melasphærule.

Sparaxis.

Tritonia.

Watsoniææ.

Freesia.

Lapeyrousia.

Watsonia.

SCITAMINEÆ.

MUSACEÆ.—*N. Pff.* ii. 6. 1.

Museæ.

Musa.

Strelitzia.

ZINGIBERACEÆ.—*N. Pff.* ii. 6. 10.

Hedychieæ.

Hedychium.

Zingibereæ.

Alpinia.

Amomum.

Ellettaria.

CANNACEÆ.—*N. Pff.* ii. 6. 30.

Canna.

MARANTACEÆ.—*N. Pff.* ii. 6. 33

Maranteæ.

Thalia.

MICROSPERMEÆ.

ORCHIDACEÆ.—*N. Pff.* ii. 6. 52

Diandræ.

Cypripedilinæ.

Paphiopedilum.

Monandræ.

Ophrydinæ (Basitonæ).

Serapiadeæ.

*Ophrys.

Orchis.

(Acrotonæ.)

Neottiinæ.

Cephalanthereæ.

*Cephalanthera.

*Epipactis.

Spirantheæ.

*Spiranthes.

Thuniinæ.

Bletilla.

Thunia.

Cœlogyninæ.

Cœlogyne.

Pleurothallidinæ.

Restrepia.

Læliinæ.

Cattleyææ.

Brassavola.

Cattleya.

Epidendrum.

Lælia.

Leptotes.

Sophronitis.

Cyrtopodiinæ.

Eulophia.

Lissochilus.

Lycastinæ.

Lycaste.

Gongorinæ.

Stanhopea.

Dendrobiinæ.

Dendrobium.

Cymbidiinæ.

Cymbidium.

Maxillariinæ.

Maxillaria.

Oncidiinæ.

Odontoglosseæ.

Brassia.

Miltonia.

Odontoglossum.

Oncidium.

Sarcanthinæ.

Ærideæ.

Ærides.

DICOTYLEDONEÆ.

ARCHICHLAMYDEÆ.

VERTICILLATÆ.

CASUARINACEÆ.—*N. Pff.* iii. 1. 16.

Casuarina.

PIPERALES.

SAURURACEÆ.—*N. Pff.* iii. 1. 1.

Houttuynia.

PIPERACEÆ.—*N. Pff.* iii. 1. 3.

Peperomia.

Piper.

CHLORANTHACEÆ.—*N. Pff.* iii. 1. 12.

Chloranthus.

SALICALES.

SALICACEÆ.—*N. Pff.* iii. 1. 29.

Populus.

Salix.

MYRICALES.

MYRICACEÆ.—*N. Pff.* iii. 1. 26.

Myrica.

JUGLANDALES.

JUGLANDACEÆ.—*N. Pff.* iii. 1. 19.

Juglans.

Pterocarya.

FAGALES.

BETULACEÆ.—*N. Pff.* iii. 1. 38.

Coryleæ.

Ostrya.

FAGACEÆ.—*N. Pff.* iii. 1. 47.

Castaneæ.

Quercus.

URTICALES.

ULMACEÆ.—*N. Pff.* iii. 1. 59.

Ulmoideæ.

Holoptelea.

Ulmus.

Celtidoideæ.

Celtis.

MORACEÆ.—*N. Pff.* iii. 1. 66.

Moroideæ.

Broussonetieæ.

Broussonetia.

Maclura.

Artocarpoideæ.

Euartocarpeæ.

Cudrania.

Ficeæ.

Ficus.

URTICACEÆ.—*N. Pff.* iii. 1. 98.

Urereæ.

*Urtica.

Procrideæ.

Pilea.

Bœhmerieæ.

Bœhmeria.

Debregeasia.

Parietarieæ.

Gesnouinia.

Parietaria.

PROTEALES.

PROTEACEÆ.—*N. Pff.* iii. 1. 119.

Persoonoideæ.

Persoonieæ.

Persoonia.

Proteeæ.

Isopogon.

Leucadendron.

Petrophila.

Protea.

Grevilloideæ.

- Grevilleæ.
- Grevillea.
- Hakea.
- Macadamia.
- Roupala.
- Embothriæ.
- Embothrium.
- Knightia.
- Lomatia.
- Stenocarpus.
- Telopea.
- Banksiæ.
- Banksia.
- Dryandra.

SANTALALES.

SANTALINEÆ.

SANTALACEÆ.—*N. Pff.* iii. 1.
202.

Thesiæ.

*Thesium.

ARISTOLOCHIALES.

ARISTOLOCHACEÆ.—*N. Pff.*
iii. 1. 264.

Aristolochiæ.

Aristolochia.

POLYGONALES.

POLYGONACEÆ.—*N. Pff.* iii.
1a. 1.

Rumicoideæ.

- Eriogonæ.
- Eriogonina*.
- Eriogonum.

Rumicæ.

Rumex.

Polygonoideæ.

- Atraphaxideæ.
- Atraphaxis.
- Polygonæ.
- Polygonum.

Coccoloboideæ.

- Coccolobæ.
- Muehlenbeckia.
- Triplarideæ.
- Ruprechtia.

CENTROSPERMÆ.

CHENOPODIINEÆ.

CHENOPODIACEÆ.—*N. Pff.*
iii. 1a. 36.

Cyclolobæ.

- Betææ.
- Beta.
- Chenopodiææ.
- *Chenopodium.
- Rhagodia.
- Atripliceæ.
- Atriplex.
- Eurotia.
- Spinacia.
- Camphorosemæ.
- Camphorosma.
- Enchylæna.
- Kochia.

Spirolobæ.

- Suædææ.
- Suæda.

AMARANTACEÆ.—*N. Pff.* iii.
1a. 91.

Amarantoideæ.

- Celosieæ.
- Celosia.
- Deeringia.
- Amarantææ.
- Amarantina*.
- Amarantus.
- Bosia.
- Achyranthina*.
- Cyathula.

Gomphrenoideæ.

- Gomphreneæ.
- Iresine.

PHYTOLACCINEÆ.

NYCTAGINACEÆ.—*N. Pff.* iii.
1b. 14.

Mirabileæ.

- Bærhaviina.
- Mirabilis.
- Oxybaphus.
- Bougainvilleina.
- Bougainvillea.

Pisoniæ.

Pisonia.

CYNOCRAMBACEÆ.—*N. Pff.*

iii. 1*a*. 121.

**Cynocrambe*.

PHYTOLACCACEÆ.—*N. Pff.*

iii. 1*b*. 1.

Phytolacceæ.

Ercilla.

Phytolacca.

AIZOACEÆ.—*N. Pff.* iii. 1*b*.

33.

Ficoideæ.

Mesembrianthemææ.

Mesembrianthemum.

Tetragonia.

PORTULACINEÆ.

PORTULACACEÆ.—*N. Pff.*

iii. 1*b*. 51.

Anacampseros.

Calandrinia.

Lewisia.

Portulaca.

Portulacaria.

BASELLACEÆ.—*N. Pff.* iii.

1*a*. 124.

Boussingaultia.

CARYOPHYLLINEÆ.

CARYOPHYLLACEÆ.—*N. Pff.*

iii. 1*b*. 61.

Silenoideæ.

Lychnideæ.

Lychnis.

Silene.

Diantheæ.

Dianthus.

Gypsophila.

Saponaria.

**Tunica*.

Alsinoideæ.

Alsineæ.

Arenaria.

Cerastium.

Polycarpeæ.

**Polycarpon*.

RANALES.

NYMPHÆINEÆ.

NYMPHÆACEÆ.—*N. Pff.* iii.

2. 1.

Nelumbonoidææ.

Nelumbo.

Nymphæoidææ.

Nymphæa.

TROCHODENDRINEÆ.

TROCHODENDRACEÆ.—*N.*

Pff. iii. 2. 21, *Nachtr.* 1. 158.

Eupteloidææ.

Eucommia.

Trochodendroidææ.

Trochodendron.

RANUNCULINEÆ.

RANUNCULACEÆ.—*N. Pff.*

iii. 2. 43.

Pæonieæ.

Pæonia.

Helleboreææ.

Aquilegia.

Caltha.

Delphinium.

Eranthis.

Helleborus.

**Nigella*.

Anemoneæ.

**Adonis*.

Anemone.

Ranunculus.

Thalictrum.

Clematideæ.

Clematis.

LARDIZABALACEÆ.—*N. Pff.*

iii. 2. 67.

Akebia.

Decaisnea.

Holboëllia.

Lardizabala.

BERBERIDACEÆ.—*N. Pff.*

iii. 2. 70.

Berberis.

Epimedium.

Leontice.

Mahonia.

Nandina.

MENISPERMACEÆ.—*N. Pff.*

iii. 2. 78.

Cocculeæ.

Menispermînæ.

Cocculus.

Menispermum.

*MAGNOLIINEÆ.*MAGNOLIACEÆ.—*N. Pff.* iii.

2. 12.

Magnolieæ.

Liriodendron.

Magnolia.

Michelia.

Talauma.

Schizandreæ.

Kadsura.

Illicieæ.

Illicium.

CALYCANTHACEÆ.—*N. Pff.*

iii. 2. 92.

Calycanthus.

Chimonanthus.

ANONACEÆ.—*N. Pff.* iii. 2.

23.

Uvarieæ.

Asimina.

Xylopieæ.

Anona.

Eupomatieæ.

Eupomatia.

MONIMIACEÆ.—*N. Pff.* iii. 2.

94.

Monimioideæ.

Hedycarieæ.

Hedycarya.

Peumus.

LAURACEÆ.—*N. Pff.* iii. 2.

106.

Persoidææ.

Cinnamomeæ.

Cinnamomum.

Ocotea.

Persea.

Umbellularia.

Litseeæ.

Litsea.

Lauroideæ.

Laureæ.

Laurus.

Acrodielidieæ.

Endiandra.

RHÆADALES.

*RHÆADINEÆ.*PAPAVERACEÆ.—*N. Pff.* iii.

2. 130.

Papaveroideæ.

Eschscholtzieæ.

Eschscholtzia.

Hunnemannia.

Romneya.

Chelidonieæ.

Bocconia.

Papavereæ.

Argemone.

Glaucium.

Papaver.

Fumarioideæ.

Dicentra.

*Fumaria.

*CAPPARIDINEÆ.*CRUCIFERÆ.—*N. Pff.* iii. 2.

145.

Sinapeæ.

Lepidiinæ.

Lepidium.

Cochleariinæ.

Æthionema.

Iberis.

Ionopsidium.

*Thlaspi.

Sisymbriinæ.

*Cakile.

*Sisymbrium.

Brassicinæ.

Brassica.

Crambe.

Morisia.

Raphanus.

*Rapistrum.

Cardamininæ.

*Cardamine.

Lunaria.

Nasturtium.

Hesperideæ.

Capsellinæ.

Aubrietia.

*Capsella.

Draba.

Turritinæ.

Arabis.

Erysiminæ.

Cheiranthus.

Erysimum.

Alyssinæ.

Alyssum.

Malcolminæ.

Farsetia.

Malcolmia.

Hesperidinæ.

Matthiola.

Moriciandinæ.

*Moriciandia.

CAPPARIDACEÆ.—N. Pff. iii.

2. 209

Cleomoideæ.

Isomeris.

Cleome.

Polanisia.

Capparidoideæ.

Capparideæ.

*Capparis.

RESEDINEÆ.**RESEDACEÆ.—N. Pff. iii. 2.**

237.

Reseda.

ROSALES.**SAXIFRAGINEÆ.****CRASSULACEÆ.—N. Pff. iii.**

2a. 1.

Bryophyllum.

Cotyledon.

Crassula.

Echeveria.

Kalanchoë.

Lenophyllum.

Monanthes.

Oliverella.

Pachyphytum.

Pistorinia.

Rochea.

Sedum.

Sempervivum.

Umbilicus.

Urbinia.

SAXIFRAGACEÆ.—N. Pff. iii.

2a. 41.

Saxifragoideæ.

Saxifrageæ.

Saxifraginæ.

Bergenia.

Heuchera.

Saxifraga.

Tiarella.

Francoideæ.

Francoa.

Hydrangeoideæ.

Philadelphææ.

Carpenteria.

Deutzia.

Fendlera.

Philadelphus.

Hydrangeææ.

Hydrangea.

Schizophragma.

Escallonioideæ.

Anopterus.

Carpodetus.

Escallonia.

Ribesioidææ.

Ribes.

PITTOSPORACEÆ.—N. Pff.

iii. 2a. 106.

Pittosporeæ.

Bursaria.

Hymenosporum.

Pittosporum.

Billardiææ.

Citriobatus.

Sollya.

CUNONIACEÆ.—N. Pff. iii.

2a. 94.

Callicoma.

HAMAMELIDACEÆ.—N. Pff.

iii. 2a. 115.

Hamamelidoideæ.

Parrotiææ.

Parrotia.

Hamamelidææ.

Loropetalum.

ROSINEÆ.**CROSSOSOMATACEÆ. — N.***Pff. Nachtr. i. 185.*

Crossosoma.

ROSACEÆ.—N. Pff. iii. 3. 1.**Spiræoideæ.**

Spirææ.

Physocarpus.

Sorbaria.

Spiræa.

Stephanandra.

Quillajæ.

Exochorda.

Quillaja.

Pomoideæ.

Pomariæ.

Cotoneaster.

Cratægus.

Cydonia.

Eriobotrya.

Mespilus.

Osteomeles.

Photinia.

Pirus.

Raphiolepis.

Stranvæsia.

Rosoideæ.

Kerriæ.

Kerria.

Neviusa.

Rhodotypus.

Potentillæ.

Rubincæ.

Rubus.

Potentillinæ.

Fragaria.

Potentilla.

Dryadinæ.

Cowania.

Fallugia.

Geum.

Sanguisorbæ.

Acæna.

*Agrimonia.

Bencomia.

Cliffortia.

Margyricarpus.

Poterium.

Roseæ.

Rosa.

Prunoideæ.

Nuttallia.

Prunus.

LEGUMINOSÆ.—N. Pff. iii. 3. 70.**Mimosoideæ.**

Ingeæ.

Albizzia.

Calliandra.

Lysiloma.

Pithecolobium.

Acaciæ.

Acacia.

Eumimoseæ.

Desmanthus.

Leucæna.

Mimosa.

Adenanthereæ.

Dichrostachys.

Prosopis.

Cæsalpinioidæ.

Cynometreæ.

Pterogyne.

Amherstieæ.

Schotia.

Bauhinieæ.

Cercis.

Bauhinia.

Cassiæ.

Cassia.

Ceratonia.

Eucæsalpinieæ.

Cæsalpinia.

Gleditschia.

Mezoneuron.

Parkinsonia.

Peltophorum.

Papilionatæ.

Sophoreæ.

Cadia.

Calpurnia.

Castanospermum.

Gourliea.

Sophora.

Podalyrieæ.

Anagyris.

Baptisia.

Brachysema.

Chorizema.

Viminaria.

Genisteæ.
Bossiaëinæ.
 Goodia.
 Templetonia.
Crotalarinæ.
 Crotalaria.
Spartiinæ.
 Adenocarpus.
 Argyrolobium.
 Calycotome.
 Genista.
 Laburnocytisus.
 Laburnum.
 Spartium.
Cytisinæ.
 Cytisus.
 Ulex.
Trifolieæ.
 Medicago.
 *Melilotus.
 Ononis.
 Trifolium.
 *Trigonella.
Loteæ.
 Anthyllis.
 Dorycnium.
 Lotus.
Galegeæ.
Indigoferinæ.
 Indigofera.
Psoraliinæ.
 Amorpha.
 Psoralea.
Brongniartiinæ.
 Brongniartia.
Tephrosiinæ.
 Galega.
 Wistaria.
Robiniinæ.
 Carmichælia.
 Robinia.
Coluteinæ.
 Clianthus.
 Colutea.
 Sutherlandia.
 Swainsonia.
Astragalinæ.
 Astragalus.
 Caragana.
 Glycyrrhiza.
Hedysareæ.
Coronillinæ.
 Coronilla.

*Hippocrepis.
 *Ornithopus.
 *Scorpiurus.
Euhedysarinæ.
 Ebenus.
 Hedysarum.
 Onobrychis.
Æschynoméninæ.
 Amicia.
 Nissolia.
Desmodiinæ.
 Desmodium.
 Lespedeza.
Dalbergiæ.
Pterocarpinæ.
 Dalbergia.
 Tipuana.
Vicieæ.
 *Cicer.
 Lathyrus.
 Pisum.
 *Vicia.
Phaseoleæ.
Glycininæ.
 Clitoria.
 Hardenbergia.
 Kennedya.
Erythrininæ.
 Apios.
 Erythrina.
Diocleinæ.
 Campnosema.
 Canavalia.
 Pueraria.
Cajaninæ.
 Flemingia.
 Rhynchosia.
Phaseolinæ.
 Dolichos.
 Phaseolus.

GERANIALES.

GERANIINEÆ.

GERANIACEÆ.—*N. Pff.* iii. 4. 1.**Geraniææ.**

Erodium.
 Geranium.
 Pelargonium.
 Sarcocaulon.

OXALIDACEÆ.—*N. Pff.* iii. 4.

15.

Oxalis.

TROPÆOLACEÆ.—*N. Pff.* iii.
4. 23.

Tropæolum.

LINACEÆ.—*N. Pff.* iii. 4. 27.

Eulineæ.

Linum.

Reinwardtia.

ZYGOPHYLLACEÆ.—*N. Pff.*
iii. 4. 74.

Zygophylloideæ.

Zygophylleæ.

Zygophyllinæ.

Porlieria.

Tribuleæ.

**Tribulus.*

CNEORACEÆ.—*N. Pff.* iii. 4.
93.

Cneorum.

RUTACEÆ.—*N. Pff.* iii. 4. 95.

Rutoideæ.

Zanthoxyleæ.

Evodiinæ.

Geijera.

Melicope.

Zanthoxylum.

Choisyinæ.

Choisya.

Ruteæ.

Rutinæ.

Ruta.

Dictamninæ.

Dictamnus.

Boronieæ.

Boroniinæ.

Acradenia.

Boronia.

Eriostemoninæ.

Crowea.

Correïnæ.

Correa.

Diosmeæ.

Calodendrinæ.

Calodendron.

Diosminæ.

Barosma.

Coleonema.

Cuspariæ.

Pilocarpinæ.

Pilocarpus.

Toddalioidæ.

Toddaliæ.

Toddaliinæ.

Casimiroa.

Skimmia.

Aurantioidæ.

Aurantieæ.

Limoniinæ.

Atalantia.

Murraya.

Citrinæ.

Citrus.

SIMARUBACEÆ.—*N. Pff.* iii.
4. 202.

Simaruboidæ.

Picrasmeæ.

Ailanthinæ.

Ailanthus.

MELIACEÆ.—*N. Pff.* iii. 4. 258.

Cedreloideæ.

Cedreleæ.

Cedrela.

Toona.

Melioidæ.

Meliæ.

Melia.

Trichilieæ.

Trichiliinæ.

Owenia.

Trichilia.

MALPIGHIINÆ.

MALPIGHIACEÆ.—*N. Pff.* iii.
4. 41.

Pyramidotoræ.

Banisteriæ.

Banisteriinæ.

Heteropteris.

Janusia.

Stigmatophyllon.

Planitoræ.

Galphimiæ.

Galphimiinæ.

Galphimia.

POLYGALINÆ.

POLYGALACEÆ.—*N. Pff.* iii.
4. 323.

Polygaleæ.

Monnina.

Muraltia.

Polygala.

TRICOCCÆ.

EUPHORBIACEÆ.—*N. Pff.* iii. 5. 1.

Platylobeæ.

Phyllanthoideæ.

Phyllanthæ.

Phyllanthinæ.

Flüggea.

Securinea.

Daphniphyllæ.

Daphniphyllum.

Crotonoideæ.

Acalypheæ.

Chrozophorinæ.

*Chrozophora.

Mercurialinæ.

Mallotus.

*Mercurialis.

Ricininæ.

Ricinus.

Jatrophææ.

Jatropha.

Manihotææ.

Manihot.

Cluytiææ.

Cluytiinæ.

Cluytia.

Hippomanææ.

Hippomaninæ.

Homalanthus.

Sapium.

Euphorbiææ.

Euphorbia.

Synadenium.

SAPINDALES.

BUXINEÆ.

BUXACEÆ.—*N. Pff.* iii. 5. 130.

Buxææ.

Buxus.

Sarcococca.

CORIARIINEÆ.

CORIARIACEÆ.—*N. Pff.* iii. 5. 128.

Coriaria.

ANACARDIINEÆ.

ANACARDIACEÆ.—*N. Pff.* iii. 5. 138.

Spondiææ.

Lannea.

Pleiogynium.

Rhoideææ.

Cotinus.

Lithræa.

Pistacia.

Rhodosphæra.

Rhus.

Schinus.

CELASTRINEÆ.

CYRILLACEÆ.—*N. Pff.* iii. 5. 179.

Cyrilla.

CORYNOCARPACEÆ.—*N. Pff.* *Nachtr.* i. 215.

Corynocarpus.

AQUIFOLIACEÆ.—*N. Pff.* iii. 5. 183.

Ilex.

CELASTRACEÆ.—*N. Pff.* iii. 5. 189.

Celastroideææ.

Evonymææ.

Evonymus.

Eucelastreææ.

Catha.

Celastrus.

Gymnosporia.

Maytenus.

Cassinioideææ.

Eucassinieææ.

Elæodendron.

Maurocenia.

HIPPOCRATEACEÆ.—*N. Pff.* iii. 5. 222.

Hippocratea.

STAPHYLEACEÆ.—*N. Pff.* iii. 5. 258.

Staphyleoideææ.

Staphylea.

SAPINDINEÆ.

ACERACEÆ.—*N. Pff.* iii. 5. 263.
Acer.

SAPINDACEÆ.—*N. Pff.* iii. 5.
277.

Eusapindaceæ.

Paulliniæ.
Eupaulliniæ.
Cardiospermum.
Serjania.

Sapindæ.
Sapindus.
Melicocceæ.
Melicocca.
Nepheliæ.
Heterodendron.
Litchi.
Nephelium.
Pappea.
Cupaniæ.
Diploglottis.

Dyssapindaceæ.

Kœlreuteriæ.
Kœlreuteria.
Cossignieæ.
Llagunoa.
Dodonææ.
Dodonæa.
Harpulliæ.
Ugnadia.

MELIANTHINEÆ.

MELIANTHACEÆ.—*N. Pff.*
iii. 5. 374.

Meliantheæ.

Melianthus.

Greyiæ.

Greyia.

BALSAMININEÆ.

BALSAMINACEÆ.—*N. Pff.* iii.
5. 383.

Impatiens.

RHAMNALES.

RHAMNACEÆ.—*N. Pff.* iii. 5.
393.

Zizyphæ.

Berchemia.
Paliurus.
Zizyphus.

Rhamneæ.

Ceanothus.
Hovenia.
Noltia.
Phylica.
Pomaderris.
Rhamnus.

Colletieæ.

Colletia.
Discaria.

VITACEÆ.—*N. Pff.* iii. 5. 427.

Vitoidæ.

Ampelopsis.
Cissus.
Parthenocissus.
Vitis.

MALVALES.

ELÆOCARPINEÆ.

ELÆOCARPACEÆ.—*N. Pff.*
iii. 6. 1.

Elæocarpeæ.

Crinodendron.
Elæocarpus.

Aristotelieæ.

Aristotelia.

MALVINEÆ.

TILIACEÆ.—*N. Pff.* iii. 6. 8.

Tiliæ.

Entelea.
Lühea.
Sparmannia.

Grewiæ.

Grewia.

MALVACEÆ.—*N. Pff.* iii. 6. 30.

Malopeæ.

Kitaibelia.

Malvæ.

Abutilinæ.
Abutilon.
Sphæralcea.
Malvinæ.

Althæa.
Lavatera.

*Malva.

Malvastrum.

Sidinæ.
 Hoheria.
 Plagianthus.
 Sida.

Ureneæ.
 Malvaviscus.
 Pavonia.

Hibisceæ.
 Gossypium.
 Hibiscus.
 Lagunaria.

BOMBACACEÆ.—*N. Pff.* iii.
 6. 53.
Adansoniæ.
 Chorisia.

STERCULIACEÆ.—*N. Pff.* iii.
 6. 69.
Fremontieæ.
 Fremontia.

Dombeyæ.
 Dombeya.
 Melhania.

Hermannieæ.
 Hermannia.

Büttnerieæ.
 Büttneria.
 Rulingia.

Lasiopetaleæ.
 Guichenotia.
 Thomasia.

Helictereæ.
 Reevesia.

Sterculieæ.
 Brachychiton.
 Firmiana.
 Sterculia.

PARIETALES.
THEINEÆ.

DILLENIACEÆ.—*N. Pff.* iii.
 6. 100.
Dillenioidæ.
 Hibbertieæ.
 Hibbertia.

Actinidioidæ.
 Actinidieæ.
 Actinidia.

EUCRYPHIACEÆ.—*N. Pff.*
 iii. 6. 129.
 Eucryphia.

OCHNACEÆ.—*N. Pff.* iii. 6.
 131.
Exalbuminosæ.
 Ourateæ.
 Ochna.

**THEACEÆ (TERNSTRÆ-
 MIACEÆ).**—*N. Pff.* iii. 6.
 175.
Theeæ.
 Camellia.
 Thea.

Ternstrœmieæ.
 Ternstrœmia.
 Visnea.

GUTTIFERÆ.—*N. Pff.* iii. 6.
 194.
Hypericoideæ.
 Hypericeæ.
 Hypericum.

TAMARICINEÆ.

FRANKENIACEÆ.—*N. Pff.*
 iii. 6. 283.
 Frankenia.

TAMARICACEÆ.—*N. Pff.* iii.
 6. 289.
Tamaricoideæ.
 Reaumurieæ.
 Reaumuria.
 Tamariceæ.
 Tamarix.

CISTINEÆ.

CISTACEÆ.—*N. Pff.* iii. 6.
 299.
 Cistus.
 Fumana.
 Halimium.
 Helianthemum.
 Lechea.
 Tuberaria.

*FLACOURTIINEÆ.*VIOLACEÆ.—*N. Pff.* iii. 6. 322.**Rinoreeæ.**

Hymenanchera.

Melicytus.

Violeæ.

Viola.

FLACOURTIACEÆ.—*N. Pff.*

iii. 6a. 1.

Oncobeæ.

Oncoba.

Pangieæ.

Kiggelarieæ.

Kiggelaria.

Flacourtieæ.

Euflacourtieæ.

Azara.

Doryalis.

Olmediella.

Xylosma.

Idesieæ.

Idesia.

PASSIFLORACEÆ.—*N. Pff.*

iii. 6a. 69.

Passifloreæ.

Adenia.

Passiflora.

Tacsonia.

*PAPAYINEÆ.*CARICACEÆ.—*N. Pff.* iii. 6a.

94.

Carica.

*LOASINEÆ.*LOASACEÆ.—*N. Pff.* iii. 6a.

100.

Mentzelioideæ.

Mentzelieæ.

Mentzelia.

Loasoideæ.

Loaseæ.

Cajophora.

*BEGONIINEÆ.*BEGONIACEÆ.—*N. Pff.* iii.

6a. 121.

Begonia.

OPUNTIALES.

CACTACEÆ.—*N. Pff.* iii. 6a.
156.**Cereoideæ.**

Echinocactææ.

Cephalocereus.

Cereus.

Discocactus.

Echinocactus.

Echinocereus.

Echinopsis.

Epiphyllanthus.

Epiphyllum.

Leuchtenbergia.

Melocactus.

Phyllocactus.

Mamillariææ.

Ariocarpus.

Mamillaria.

Pelecypora.

Rhipsalideæ.

Pfeiffera.

Rhipsalis.

Opuntioideæ.

Opuntia.

Peireskiopsis.

Pterocactus.

Peireskioideæ.

Peireskia.

MYRTIFLORÆ.

*THYMELÆINEÆ.*OLINIACEÆ.—*N. Pff.* iii. 6a.

213.

Olinia.

THYMELÆACEÆ.—*N. Pff.*

iii. 6a. 216.

Thymelæoideæ.

Gnidieæ.

Gnidiinæ.

Gnidia.

Daphneæ.

Lagettinæ.

Lagetta.

Daphninæ.

Daphne.

Edgeworthia.

Passerininæ.
 Dais.
 Passerina.
 Pimeleæ.
 Pimelea.
ELÆAGNACEÆ.—*N. Pff.* iii.
 6a. 246.
 Elæagnus.

MYRTINEÆ.
LYTHRACEÆ.—*N. Pff.* iii. 7. 1.
 Lythreæ.
 Lythrinæ.
 Cuphea.
 Lythrum.
 Nesææ.
 Nesæinæ.
 Heimia.
 Lagerstrœmiinæ.
 Lagerstrœmia.

PUNICACEÆ.—*N. Pff.* iii. 7.
 22.
 Punica.

COMBRETACEÆ.—*N. Pff.* iii.
 7. 106.
 Quisqualis.
 Terminalia.

MYRTACEÆ.—*N. Pff.* iii. 7. 57.
 Myrtoideæ.
 Myrtæ.
 Orthostemoninæ.
 Orthostemon.
 Myrtinæ.
 Myrtus.
 Psidium.
 Eugeniinæ.
 Eugenia.

Leptospermoideæ.
 Leptospermeæ.
 Metrosiderinæ.
 Metrosideros.
 Tristania.
 Eucalyptinæ.
 Angophora.
 Eucalyptus.
 Leptosperminæ.
 Agonis.
 Callistemon.
 Kunzea.

Leptospermum.
 Melaleuca.
Calothamninaæ.
 Beaufortia.
 Calothamnus.
 Regelia.
Bæckeinaæ.
 Bæckea.
 Hypocalymna.

MELASTOMATACEÆ.—*N. Pff.*
 iii. 7. 130.
 Melastomatoideæ.
 Tibouchinæ.
 Tibouchina.

ONAGRACEÆ.—*N. Pff.* iii. 7.
 199.
 Jussieueæ.
 Jussieua.
 Epilobeæ.
 Epilobium.
 Zauschneria.

Onagreæ.
 Oenotherinæ.
 Oenothera.

Fuchsieæ.
 Fuchsia.

Lopezieæ.
 Lopezia.

HALORRHAGIDINEÆ.
HALORRHAGIDACEÆ.—*N.*
 Pff. iii. 7. 226.

Halorrhageæ.
 Halorrhagis.
 Myriophyllum.

CYNOMORIINEÆ.
CYNOMORIACEÆ.—*N. Pff.*
 iii. 1. 250.
 Cynomorium.

UMBELLIFLORÆ.
ARALIACEÆ.—*N. Pff.* iii. 8. 1
 Schefflereæ.
 Acanthopanax.
 Cussonia.
 Fatsia.
 Hedera.

Meryta.
 Nothopanax.
 Oreopanax.
 Pseudopanax.
 Schefflera.
 Tetrapanax.
 Trevesia.
 Tupidanthus.

Araliæ.

Aralia.

UMBELLIFERÆ.—*N. Pff.* iii.
 8. 63.

Hydrocotyloideæ.

Mulineæ.
Azorellinæ.
 Pozoa.

Saniculoideæ.

Saniculeæ.
 Eryngium.
 Lagœciæ.
 Petagnia.

Apioidæ.

Echinophoreæ.
 Echinophora.
 Scandicineæ.
Scandicina.
 Chærophyllum.
 *Scandix.

Caucalinæ.

*Caucalis.
 *Orlaya.
 *Torilis.

Smyrniæ.

Hippomarathrum.
 Hladnikia.
 Magydaris.
 Pleurospermum.
 Prangos.
 *Smyrnum.

*Ammineæ.**Carinæ.*

Apium.
 Bupleurum.
 Cryptotania.
 Heteromorpha.
 Petroselinum.

Seselinæ.

Athamanta.
 *Crithmum.
 *Fœniculum.
 Kundmannia.
 Libanotis.
 Œnanthe.
 Seseli.
 Thaspium.

Peucedaneæ.

Angelicinæ.
 Agasyllis.
 Conioselinum.

Ferulinæ.

Dorema.
 Ferula.
 Johrenia.
 Opopanax.
 Peucedanum.

Laserpitieæ.

Elæoselinæ.
 Elæoselinum.
Thapsiinæ.
 Laserpitium.
 Melanoselinum.
 Thapsia.

Dauceæ.

*Daucus.

CORNACEÆ.—*N. Pff.* iii. 8.
 250.

Aucuba.
 Cornus.
 Corokia.
 Griselinia.
 Helwingia.

GARRYACEÆ.—*R. V. C.* iv.
 56a.

Garrya.

ALANGIACEÆ.—*R. V. C.* iv.
 220b.

Alangium.

METACHLAMYDEÆ OR SYMPETALÆ.

ERICALES.

CLETHRACEÆ.—*N. Pff.* iv.

1. 1.

Clethra.

PIROLACEÆ.—*N. Pff.* iv. 1.

3.

Monotropoideæ.

*Monotropa.

ERICACEÆ.—*N. Pff.* iv. 1.

15.

Rhododendroideæ.

Rhododendræ.

Rhododendron.

Arbutoideæ.

Andromedæ.

Andromeda.

Arbutæ.

Arbutus.

Arctostaphylos.

Vaccinioideæ.

Thibaudieæ.

Pentapterygium.

Thibaudia.

Ericoideæ.

Ericææ.

Erica.

EPACRIDACEÆ.—*N. Pff.* iv.

1. 66.

Epacrideæ.

Dracophyllum.

PRIMULALES.

MYRSINACEÆ.—*N. Pff.* iv.

1. 84.

Myrsinoideæ.

Myrsinææ.

Heberdenia.

Myrsine.

Rapanea.

Ardisiææ.

Ardisia.

Hymenandrerææ.

Oncostemon.

PRIMULACEÆ.—*N. Pff.* iv.

1. 98.

Primuleæ.

Primulinææ.

Primula.

Samoleæ.

*Samolus.

Lysimachieæ.

Lysimachiinææ.

Lysimachia.

Anagallidinææ.

*Anagallis.

Cyclamineæ.

Cyclamen.

Corideæ.

*Coris.

PLUMBAGINACEÆ.—*N. Pff.*

iv. 1. 116.

Plumbagineæ.

Ceratostigma.

Plumbago.

Staticeæ.

Limoniastrum.

Statice.

EBENALES.

SAPOTINEÆ.

SAPOTACEÆ.—*N. Pff.* iv. 1.

126.

Palaquieæ.

Sideroxylinææ.

Argania.

Bumelia.

Lucuma.

Pouteria.

Sideroxylon.

Chrysophyllinææ.

Chrysophyllum.

DIOSPYRINEÆ.

EBENACEÆ.—*N. Pff.* iv. 1.

153.

Diospyros.

Euclea.

Royena.

STYRACACEÆ.—*N. Pff.* iv. 1.
172.

Styrax.

CONTORTÆ.

OLEINEÆ.

OLEACEÆ.—*N. Pff.* iv. 2. 1.

Oleoidææ.

Fraxineæ.

Fontanesia.

Fraxinus.

Syringææ.

Forsythia.

Syringa.

Oleineæ.

Chionanthus.

Ligustrum.

Notelæa.

Olea.

Osmanthus.

Phillyrea.

Jasminoideææ.

Jasmineæ.

Jasminum.

GENTIANINEÆ.

LOGANIACEÆ.—*N. Pff.* iv. 2.
19.

Loganioideææ.

Gelsemieæ.

Gelsemium.

Buddleioideææ.

Chilianthus.

Buddleia.

Nicodemia.

GENTIANACEÆ.—*N. Pff.* iv.
2. 50.

Gentianoideææ.

Erythræinæ.

*Chlora.

*Erythræa.

Menyanthoideææ.

Menyantheæ.

Limnanthemum.

Villarsia.

APOCYNACEÆ.—*N. Pff.* iv.
2. 109.

Plumierioideææ.

Arduineæ.

Melodininæ.

Acokanthera.

Arduina.

Plumiereæ.

Alstoniineæ.

Amsonia.

Lochnera.

Plumiera.

Rhazya.

Vinca.

Rauwolfinaæ.

Alyxia.

Hunteria.

Cerberinæ.

Cerbera.

Thevetia.

Echitoideææ.

Echitideæ.

Apocynum.

Mandevilla.

Nerium.

Trachelospermum.

ASCLEPIADACEÆ.—*N. Pff.*
iv. 2. 189.

Periplocoideææ.

Periploceæ.

Chlorocodon.

Cryptostegia.

Periploca.

Cynanchoidææ.

Asclepiadeæ.

Glossonematinæ.

Araujia.

Schubertia.

Asclepiadinæ.

Asclepias.

Gomphocarpus.

Cynanchinæ.

Cynanchum.

Morrenia.

Sarcostemma.

Oxypetalinæ.

Oxypetalum.

Tylophoreæ.

Ceropeginæ (Stapeliinæ).

Caralluma.

Ceropegia.

Duvalia.
 Echidnopsis.
 Heurnia.
 Heurniopsis.
 Hoodia.
 Stapelia.
 Tavaresia.

Marsdeniinae.

Hoya.
 Marsdenia.
 Stephanotis.

Gonolobae.

Gonolobus.

TUBIFLORÆ.

CONVOLVULINEÆ.

CONVOLVULACEÆ.—*N. Pff.*

iv. 3a. 1.

Convolvuloideæ.

Dichondree.
 Dichondra.
 Falkia.

Convolvuleæ.

Argyreinae.

Argyreia.

Convolvulinae.

Calonyction.

Calystegia.

Convolvulus.

Exogonium.

Ipomœa.

Mina.

Pharbitis.

Quamoclit.

Cuscutoidæ.

*Cuscuta.

POLEMONIACEÆ.—*N. Pff.*

iv. 3a. 40.

Cobææ.

Cobæa.

Cantueæ.

Cantua.

Polemonieæ.

Læselia.

Phlox.

BORRAGININEÆ.

HYDROPHYLLACEÆ.—*N.*

Pff. iv. 3a. 54.

Hydrophylleæ.

Nemophila.

Phaceliæ.

Phacelia.

Nameæ.

Wigandia.

BORRAGINACEÆ.—*N. Pff.* iv.

3a. 71.

Cordioideæ.

Cordia.

Ehretioideæ.

Ehretia.

Heliotropioideæ.

Heliotropium.

Tournefortia.

Borraginoideæ.

Cynoglosseæ.

Caccinia.

Cynoglossum.

Omphalodes.

Solenanthus.

Anchuseæ.

Anchusa.

*Borrigo.

Pulmonaria.

Symphytum.

Trachystemon.

Lithospermeæ.

Cerithe.

Lithospermum.

Myosotis.

Echieæ.

Echium.

VERBENINEÆ.

VERBENACEÆ.—*N. Pff.* iv.

3a. 132.

Verbenoideæ.

Euverbenæ.

Verbena.

Lantaneæ.

Lantana.

Lippia.

Priveæ.

Priva.

Citharexyleæ.

Citharexylum.

Duranta.

Viticoideæ.

Callicarpeæ.

Callicarpa.

Viticeæ.

Vitex.

Clerodendrea.
 Clerodendron.
 Oxera.

Caryopteroidæ.
 Caryopteris.

LABIATÆ.—*N. Pff.* iv. 3a. 183.

Ajugoidæ.

Ajugeæ.
 Ajuga.
 Teucrium.

Rosmarineæ.
 Rosmarinus.

Prostantheroidæ.
 Westringia.

Prasioideæ.
 Prasium.

Scutellarioidæ.
 Scutellaria.

Lavanduloidæ.
 Lavandula.

Stachyoidæ.
 Marrubieæ.
 Marrubium.
 Sideritis.

Nepetææ.
 Cedronella.
 Nepeta.

Stachydææ.
Brunellinæ.
 *Brunella.

Lamiinæ.
 Ballota.
 Colquhounia.
 Eremostachys.
 *Lamium.
 Leonotis.
 Molucella.
 Phlomis.
 Stachys.

Salvieæ.
 Ramona.
 Salvia.

Monardeæ.
 Monarda.

Hormineæ.
 Sphacele.

Satureiææ.
Melissinæ.
 *Melissa.
 Satureia.
 Thymbra.

Hyssopinæ.
 Hyssopus.

Thyminæ.
 Bystropogon.
 Majorana.
 Origanum.
 Thymus.

Menthinæ.
 *Lycopus.
 *Mentha.

Ocimoideæ.
 Plectranthinæ.
 Coleus.
 Plectranthus.
 Moschosminæ.
 Ocimum.

SOLANINEÆ.

SOLANACEÆ.—*N. Pff.* iv. 3b. 4.

Nicandreæ.
 Nicandra.

Solanææ.
 Lyciinæ.
 Aenistus.
 Atropa.
 Dunalia.
 Grabowskia.
 Iochroma.
 Lycium.
 Hyoscyaminæ.
 Physochlænæ.
 Solaninæ.
 Capsicum.
 Lycopersicum.
 Physalis.
 Solanum.
 Withania.
 Mandragorinæ.
 Cyphomandra.
 Mandragora.

Datureæ.
 Datura.
 Solandra.

Cestreeæ.
 Cestrinæ.
 Cestrum.
 Nicotianinæ.
 Fabiana.
 Nicotiana.
 Nierembergia.
 Petunia.

Salpiglossideæ.

Anthocercis.
Browallia.
Brunfelsia.
Schizanthus.
Streptosolen.

SCROPHULARIACEÆ. — N.

Pff. iv. 3b. 39.

Pseudosolanææ.

Verbasceæ.
Celsia.
Verbascum.

Antirrhinoideæ.

Hemimerideæ.
Alonsoa.
Diascia.
Calceolarieæ.
Calceolaria.
Antirrhineæ.
Antirrhinum.
*Cymbalaria.
*Elatinoides.
Linaria.
Maurandia.
Nemesia.
Rhodochiton.

Cheloneæ.

Bowkeria.
Freylinia.
Halleria.
Paulownia.
Pentstemon.
Phygelius.
Russelia.
Scrophularia.

Gratiolææ.

Diplacus.
Lindenbergia.
Mimulus.
Torenia.

Selagineæ.

Hebenstreitia.
Selago.

Rhinanthoideæ.

Digitalææ.
Digitalis.
Isoplexis.
Rehmannia.
Veronica.

Rhinanthææ.

*Odontites.

Anomalæ.

Dermatobotrys.

BIGNONIACEÆ.—N. *Pff.* iv.

3b. 189.

Bignoniææ.

Adenocalymna.
Anemopægma.
Bignonia.
Clytostoma.
Doxantha.
Phædranthus.
Pithecoctenium.
Pyrostegia.

Tecomeææ.

Campsis.
Catalpa.
Chilopsis.
Jacaranda.
Incarvillea.
Markhamia.
Pandorea.
Podranea.
Stenolobium.
Tecomaria.

Eccremocarpeææ.

Eccremocarpus.

Crescentiææ.

Kigelia.

MARTYNIACEÆ.—N. *Pff.* iv.

3b. 265.

Martynia.
Proboscidea.

OROBANCHACEÆ.—N. *Pff.*

iv. 3b. 123.

Lathræa.
Orobanche.

GESNERIACEÆ.—N. *Pff.* iv.

3b. 133.

Cyrtandroideæ.

Ramondieæ.
Saintpaulia.
Streptocarpeæ.
Streptocarpus.
Trichosporeæ.
Trichosporum.
Coronanthereæ.
Coronantherinæ.
Rhabdothamnus.

Mitrariinæ.
Mitraria.
Columnæ.
Columneinæ.
Columnæ.

Gesnerioideæ.

Kohlerieæ.
Kohleria.

LENTIBULARIACEÆ. — N.

Pff. iv. 3b. 108.

Utricularieæ.

Pinguicula.

GLOBULARIACEÆ.—N. Pff.

iv. 3b. 270.

Globularia.

Lytanthus.

ACANTHINEÆ.**ACANTHACEÆ.—N. Pff.** iv.

3b. 274.

Thunbergioideæ.

Thunbergia.

Acanthoideæ.

Contortæ.

Strobilantheæ.

Strobilanthes.

Ruellieæ.

Ruellia.

Barlerieæ.

Barleria.

Imbricatæ.

Acantheæ.

Acanthus.

Graptophylleæ.

Anisacanthus.

Odontonemeæ.

Duvernoia.

Mackaya.

Justicieæ.

Jacobinia.

Justicia.

MYOPORINEÆ.**MYOPORACEÆ.—N. Pff.** iv.

3b. 354.

Bontia.

Myoporum.

Oftia.

PLANTAGINALES.**PLANTAGINACEÆ.—N. Pff.**

iv. 3b. 363.

Plantago.

RUBIALES.**RUBIACEÆ.—N. Pff.** iv. 4. 1.**Cinchonoideæ.**

Cinchoninæ.

Rondeletieæ.

Rondeletia.

Cinchoneæ.

Bouvardia.

Manettia.

Gardeniinæ.

Gardenieæ.

Burchellia.

Gardenia.

Hamelia.

Randia.

Coffeoidæ.

Guettardinæ.

Albertæ.

Alberta.

Psychotriinæ.

Ixoreæ.

Coffea.

Pæderieæ.

Leptodermis.

Pæderia.

Anthospermeæ.

Coprosma.

Nertera.

Phyllis.

Plocama.

Putoria.

Morindeæ.

Damnacanthus.

Galieæ.

**Asperula.*

**Crucianella.*

Galium.

Rubia.

Sherardia.

CAPRIFOLIACEÆ.—N. Pff.

iv. 4. 156.

Sambuceæ.

Sambucus.

Viburneæ.

Viburnum.

Linnææ.

Abelia.

Lonicereæ.

Diervilla.

Leycesteria.

Lonicera.

VALERIANACEÆ.—*N. Pff.* iv. 4.
172.

*Centranthus.

Fedia.

Valeriana.

*Valerianella.

DIPSACACEÆ.—*N. Pff.* iv. 4.
182.

Cephalaria.

Dipsacus.

Knautia.

Ptercephalus.

Scabiosa.

CAMPANULATÆ.

CUCURBITINEÆ.

CUCURBITACEÆ.—*N. Pff.* iv.
5. 1.**Fevilleæ.**

Gomphogyniæ.

Actinostemma.

Thladianthiæ.

Thladiantha.

Melothrieæ.

Melothriiæ.

Melothria.

Anguriinæ.

Kedrostis.

Telfairiæ.

Telfairia.

Cucurbiteæ.

Cucumeriæ.

Acanthosicyos.

Benincasa.

Bryonia.

Bryonopsis.

Citrullus.

Cucumis.

*Ecballium.

Lagenaria.

Luffa.

Momordica.

Sphærosicyos.

Trichosanthiæ.

Trichosanthes.

Cucurbitiæ.

Cucurbita.

Abobrina.

Abobra.

Sicyoideæ.

Coccinia.

Echinocystis.

Sechium.

Sicyosperma.

Cyclanthereæ.

Cyclanthera.

CAMPANULINEÆ.

CAMPANULACEÆ.—*N. Pff.*
iv. 5. 40.**Campanuloideæ.**

Campanuleæ.

Campanuliniæ.

Campanula.

Canarina.

Michauxia.

Ostrowskia.

*Specularia.

Trachelium.

Platycodiniæ.

Musschia.

Platycodon.

Lobelioidæ.

Heterotoma.

Laurentia.

Lobelia.

Siphocampylus.

GOODENIACEÆ.—*N. Pff.* iv.
5. 70.**Goodenioidæ.**

Goodenia.

COMPOSITÆ.—*N. Pff.* iv. 5
87.**Tubulifloræ.**

Vernoniæ.

Vernoniniæ.

Vernonia.

- Eupatoriæ.
Ageratinæ.
 Ageratum.
 Eupatorium.
 Hebeclinium.
Adenostylinæ.
 Kuhnia.
 Asteræ.
Solidagininæ.
 Grindelia.
 Haplopappus.
 Neja.
 Pteronia.
Bellidinæ.
 *Bellis.
Asterinæ.
 Agathæa.
 Aster.
 Bellium.
 Diplopappus.
 Erigeron.
 Felicia.
 Olearia.
Conyzinæ.
 Chrysocoma.
 Conyza.
 Psiadia.
Baccharidinæ.
 Baccharis.
 Inulæ.
Tarchonanthinæ.
 Tarchonanthus.
Filagininæ.
 *Filago.
Gnaphalinæ.
 Cassinia.
 Gnaphalium.
 Helichrysum.
 Humea.
 Phænocoma.
 *Phagnalon.
Angianthinæ.
 Calocephalus.
Inulinæ.
 Inula.
 *Pulicaria.
Buphthalminæ.
 Bupthalmum.
 Odontospermum.
 *Pallenis.
 Helianthæ.
Melampodinæ.
 Polymnia.
- Silphium.
Petrobinæ.
 Podanthus.
Zinninæ.
 Heliopsis.
 Zinnia.
Verbesininæ.
 Actinomeris.
 Borrichia.
 Echinacea.
 Ferdinanda.
 Helianthus.
 Montonoa.
 Tithonia.
 Verbesina.
Coreopsidinæ.
 Coreopsis.
 Cosmos.
 Dahlia.
 Hidalgoa.
 Leptosyne.
 Heleniæ.
Heleninæ.
 Gaillardia.
Tagetininæ.
 Tagetes.
 Anthemideæ.
Anthemidinæ.
 Achillea.
 Anthemis.
 Diotis.
 Eriocephalus.
 Gonospermum.
 Santolina.
Chrysantheminæ.
 Artemisia.
 Chrysanthemum.
 Pentzia.
 Senecioneæ.
Senecioninæ.
 Cineraria.
 Kleinia.
 Ligularia.
 Othonnopsis (Hertia).
 Petasites.
 Senecio.
 *Tussilago.
Othonninæ.
 Euryops.
 Othonna.

Calenduleæ.

Calendula.
 Dimorphotheca.
 Garuleum.
 Osteospermum.
 Tripteris.

Arctotideæ.

Arctotidinae.
 Arctotis.
 Venidium.

Gorterinae.

Berkheya.
 Gazania.

Cynareæ.

Echinopsidinae.
 Echinops.

Carlininae.

Atractylis.
 Carlina.
 Giraldia.

Carduinae.

Cirsium.
 Cynara.
 *Galactites.
 Jurinea.
 Onopordon.
 Saussurea.
 Silybum.
 Stæhelina.

Centaureinae.

Carduncellus.
 Carthamus.
 Centaurea.

Mutisieæ.**Mutisinae.**

Gerbera.
 Proustia.

Ligulifloræ.**Cichorieæ.****Cichorinae.**

*Cichorium.
 *Hedypnois.
 *Hyoseris.
 *Lapsana.
 *Rhagadiolus.

Leontodontinae.

Achyrophorus.
 *Leontodon.
 *Helminthia.
 *Picris.
 Scorzonera.
 *Thrincia.
 *Tragopogon.
 *Urospermum.

Crepidinae.

*Andryala.
 *Chondrilla.
 *Crepis.
 Hieracium.
 Lactuca.
 *Pieridium.
 *Pterotheca.
 Sonchus.
 *Taraxacum.

CORRIGENDA.

- PAGE 2. *Abutilon striatum*, add Brazil.
- „ 9. For *Ærides*, read *Aërides*.
- „ 15. After *Agonis flexuosa*, read sub *Leptospermo*.
- „ 24. *Alyssum saxatile*, add Europe.
- „ 48. For *Billbergia Leopoldi* × *Morelli*, read *Billbergia Leopoldi* × *Moreli*.
- „ 48. *Bocconia frutescens*, add West Indies, Mexico to Peru.
- „ 74. Under *Cestrum fasciculatum*, cancel and 5659.
- „ 81. For *Arancio celeste della China*, read *Arancio celeste della Cina*.
- „ 86. After *Coccinia*, for Abobrinæ, read Sicyoideæ.
- „ 96. Under *Crinodendron*, for *Patagua*, read *Patagua*.
- „ 99. Under *Cupressus guadalupensis*, read Guadalupe Island.
- „ 103. For *Danæ*, read *Danaë*.
- „ 110. After *Diplacus*, for sub *Mimulus*, read sub *Mimulo*.
- „ 138. Under *Festuca ovina* L. var. *glauca* Hort., for S. Europe, read Northern temperate and arctic regions.
- „ 326. Under *Umbellularia californica*, for B. M. t. 5230, read t. 5320.



VIEW OF THE GROUNDS OF LA MORTOLA ON THE 11TH OF JULY, 1867.
 (After a sketch by Daniel Hanbury.)



THE SAME VIEW AT PRESENT. NOTE THE GROWTH OF VEGETATION.



THE VALLEY AND HILL OF LA CROCE, SHOWING THE GROWTH OF FOREST IN FORTY YEARS.



VIEW OF THE HOUSE, WITH *Pinus canariensis*.



GROUP IN FRONT OF THE HOUSE IN 1895.

Euphorbia abyssinica.

Aloe ferox to the left and *Senecio præcox* to the right.



GROUP OF SUCCULENTS.

Opuntia Ficus-indica and *Aloe arborescens* var. *natalensis*.

QK 73 .V38 A2 1912
Giardino Botanico H/Hortus Mortolensis : gen



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