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VICTORIA.

SECOND GENERAL REPORT

OF THE

GOVERNMENT BOTANIST

ON THE

VEGETATION OF THE COLONY.

DATED 5TH OCTOBER, 1854.

LAI'D UPON THE COUNCIL TABLE BY THE COLONIAL SECRETARY,

BY COMMAND OF

HIS EXCELLENCY THE LIEUTENANT GOVERNOR,

AND

ORDERED BY THE COUNCIL TO BE PRINTED,

24TH OCTOBER, 1854.

By Authority:

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1854.

REPORT OF THE GOVERNMENT BOTANIST.

Botanic Gardens, Melbourne,
5th October, 1854.

SIR,

In obedience to instructions from His Excellency the Lieutenant Governor, I do myself the honor of transmitting to you the Second Annual Report on the progress of my botanical researches.

Requested by the Government in October, 1853, to examine the vegetation of the Grampians and of the adjacent ranges, and to visit afterwards such districts as I deemed most advisable to explore, I commenced my journey, in accordance with these instructions, on the 1st of November, 1853.

The low land between Melbourne and Mount Sturgeon offered but very few novelties to the collections formed during the previous season, but in the Grampians, the Serra, and the Victoria Ranges, I had an opportunity, by ascending the most prominent heights, to increase considerably the series of plants already discovered in these localities by Sir Thomas Mitchell during his exploration of this country. Many of these plants belong not only exclusively to this Colony, although interspersed with such as inhabit the mountains of New South Wales, Van Diemen's Land, and South Australia, but are even in some instances restricted to solitary heights, an observation confirmed by similar instances of isolation of certain species occurring at the Table Mount of the Cape of Good Hope, in the mountains of North America, and other parts of the globe. The subalpine summit of Mount William proved in this respect to be exceedingly interesting. I was informed that these mountains contain malachite, and, judging from their similarity to the Mount Lofty and Barossa Ranges of South Australia, in which several copper mines have been opened, I feel convinced of the correctness of this statement.

↓ The early heat and the consequent scantiness of water during the last spring, rendered it impossible, in proceeding from the Grampians to the Murray, to pursue a more westerly course than along the Avoca; but to obtain the advantage of observing the gradual change of the Mallee vegetation from south to north, I bore away westerly to Lake Lalbert, and thence reached the Murray in the beginning of December. Following partially the course of this river and partially the tracks through the desert, I travelled as far westerly as the junction of the Darling. During this excursion it was surprising to me to observe in the north-western parts of the Colony a remarkable accumulation not only of those plants formerly observed along the Lower Murray, but also numerous species from the steppes around Lake Torrens, which I had but recently commenced disclosing to botanical science, and it appears therefore that the subtropical Desert Flora terminates only in this latitude. Besides several hitherto unknown plants, descending along the Darling and Murrumbidgee from the north-east into our Colony, others even reappeared here from the west coast of Australia, so that for these reasons the materials for the Flora of Victoria became at this time considerably augmented, more particularly in the natural orders of Compositæ and Salsolaceæ. The saltplants here alluded to contribute largely to render these desolate places fit and often preferable for sheep pastures. The following useful plants from these localities are entitled to particular notice:—*Myoporum platycarpum*, a graceful tree, exuding a

saccharine secretion from its stem; *Cucurbita micrantha*, a small species of melon, as bitter and probably as valuable as the medicinal colocynth; *Santalum persicarium*, a dwarf kind of sandal tree, of which the root-bark furnishes an amylaceous food to the natives. It has been repeatedly related by travellers, that a small supply of water may be relied upon from the root of *Eucalyptus dumosa*, one of the Mallee bushes. The Murray lagoons, which are periodically dry, furnished a small number of plants, allied or identical to foreign, chiefly Indian or African species, and consequently important to phytogeography—(*Mollugo*, *Glinus*, *Ammannia*, *Jussiaea*, *Epaltes*, *Lycium*, &c.)

Returning from the Darling, I resumed my journey along the Murray River, with a deviation to Mount Hope, up to Albury, where I arrived about the middle of January of this year.

Desirous to devote the summer months to the exploration of the Australian Alps, I chose the Mitta Mitta line for further operations, ascended and crossed the Gibbo Ranges at an elevation of at least 5000 feet, and followed thence again the course of the Mitta Mitta into Omeo. At the Gibbo River argentaceous lead ore has already been discovered by the Rev. Mr. Clarke.

From here I attempted in vain to reach the Bogong Range, probably the highest point in this Island-Continent, being compelled to retreat by the extensive bush fires then raging in the intermediate mountains. The summit of this range, covered with eternal snow and glaciers, can hardly be estimated of less altitude than 7000 feet.

In order now to accomplish the examination of the Alpine Flora on the eastern frontiers, I started for the Cobboras Mountains, the most prominent points of the Great Dividing Range within the borders of this Colony. Not only these mountains, but also the greater part of the interjacent plains or plateaus are of a truly alpine or of a subalpine nature, ranging in elevation from 5000 to 6000 feet above the level of the ocean. As some of the highest sources of the Murray and of the Gipps Land rivers rise in this vicinity, the supply of water is plentiful. The valleys are either covered with spongy mosses (chiefly *Sphagnum*), which become transformed into peat, or produce nutritious grasses, some luxuriant enough to recommend their introduction into countries of the arctic zone—(*Hierochloa antarctica*, *H. submutica*, *Agrostis frigida*, *A. nivalis*, &c.) The vegetation of the Cobboras Mountains does neither fully agree with that of Mount Buller, examined last year, nor with the Alpine Flora of Van Diemen's Land, although the following series of its plants may indicate its partial identity with both:—*Ranunculus pimpinellifolius*, *R. scapiger*, *Geranium brevicorne*, *Acacia bossiacoides*, *Hovea gelida*, *Oxylobium alpestre*, *Anisotome glacialis*, *Didiscus humilis*, *Celmisia astelifolia*, *Eurybia megalophylla*, *Brachycome nivalis*, *B. multicaulis*, *Ctenosperma alpinum*, *Ozothamnus Hookeri*, *O. cinereus*, *Antennaria nubigena*, *Senecio pectinatus*, *Goodenia cordifolia*, *Gnathochloa hispida*, *Leucopogon obtusatus*, *Lissanthe montana*, *Richea dracophylla*, *Prostanthera rotundifolia*, *Euphrasia alpina*, *Gentiana Diemensis*, *G. montana*, *Grevillea Australis*, *Pimelea gracilis*, *Podocarpus montana*, *Exocarpus humifusa*, *Juncus filicatus*, *Restio Australis*, *Oreobolus pumilio*, *Lomaria alpina*, *Polytrichum dendroides*, &c. Here all these plants are alpine, notwithstanding some of them descend in Tasmania to the low land. But to those already known I had the gratification of adding several new species, probably peculiar to the Alpine Flora of Australia, namely:—*Phebalium phylloides*, *Asterolasia trymalioides*, *Mniarum singuliflorum*, *Bossia distichoclada*, *Centella cuneifolia*, *Anisotome simplicifolia*, *Eurybia alpicola*, *Ozothamnus planifolius*, *Gnaphalium alpigenum*, *Hierochloa submutica*, *Glyceria Hookeriana*, *Agrostis gelida*, &c.

From the Cobboras Mountains I continued travelling over a large tract of subalpine country in a north-easterly direction to the Snowy River, as far as the boundaries of New South Wales. Out of several curious plants observed in the valleys of this stream, I ought to mention *Brachychiton populneum* (*Sterculia heterophylla*, All. Cunn., not Beauv.), a beautiful tree from the tropics, growing with its turgid stem out of the bare granite rocks, washed by the tremendous floods of the melting snow. With many of its usual companions,

it reaches here its most southerly limits. The seeds of this *Sterculia* were used for food in Dr. Leichhardt's expedition, and "produced not only a good beverage with an agreeable flavor, but also appeared to be very nourishing."

By a circuitous route along the Tambo to the south, and steering thence once more easterly, I reached, in the middle of March, the country beyond the mouth of the Snowy River, the most southerly locality in which palms exist in the Australian Continent. The vegetation here assumes, at a latitude nearly equal to that of Melbourne, at 37° 30' S., entirely a tropical character, with all its shady groves of trees producing dark horizontal foliage,—so rarely to be met with in Australia,—with all those impenetrable and intricate masses of parasites and climbers overrunning the highest trees, and with so many typical forms never or but rarely transgressing the torrid zone, unless sheltered against the cold and under the favorable influence of the mild humid atmosphere of the coast tracts. The stately *Corypha* palm or *Livistonia Australis*, one of the "princes of the vegetable world," attains here the height of more than sixty feet, and may be deemed one of the most useful productions of our Flora, furnishing in its young leafstalks and terminal bud the palm cabbage, a food equally wholesome and delicious, whilst the fan-shaped leaves are eagerly collected for the manufacture of hats. The occurrence of so many plants of a really tropical type, as *Cissus Australasica*, *Cocculus Harveyanus*, *Celastrus Australis*, *Tristania laurina*, *Acmena floribunda*, *Morinda jasminoides*, *Tylophora barbata*, *Marsdenia rostrata*, *Smilax spinescens*, *Eustrephus latifolius*, &c., bears a sufficient testimony not only to the geniality of the climate, but also to the capability of the soil in this district. Transitions to the Flora of New South Wales were here perceptible everywhere.

After a short journey to the Buchan River, I returned home, in consequence of the early commencement of the rainy season, in the middle of April, having traversed the country in various directions to the extent of more than 2500 miles. How far the material for the Flora of Victoria has been enriched during this journey, may be observed by referring to the annexed enumeration, which comprises, in addition to those plants brought forward in my last year's report, 391 Dicotyledoneæ, and 105 Monocotyledoneæ, of which nearly the fourth part was formerly unknown. Thus also 130 genera and 20 natural orders of cotyledonous plants have been incorporated into our Flora, one of the latter, *Menispermæ*, formerly foreign to Australia. Ten of the additional genera were also formerly unknown in this part of the globe (*Myosurus*, *Cocculus*, *Hutchinsia*, *Ammannia*, *Glinus*, *Celastrus*, *Centella*, *Erigeron*, *Antennaria*, *Udora*); whilst six others are either entirely new or hitherto undescribed (*Asterolasia*, *Halothamnus*, *Eriochiton*, *Osteocarpum*, *Juncella*, *Electrosperma*). Others again were previously thought to be confined to Van Diemen's Land, together with some here also indigenous Mammalia, amongst the latter the Tasmanian *Hyæna* (*Thylacinus cynocephalus*) and the Tiger-cat (*Dasyurus maculatus*).

The entire sum of species contained in the accompanying list, comprising, for the first time also, the lower Cryptogamic orders, amounts to 726, with 250 additional genera, by which the number of Victorian plants enumerated last year will be advanced to nearly 1700 really indigenous species, comprehending 680 genera and 134 natural orders,—numbers to be considered already as proportionately high for the extra-tropical latitudes and the areal of this Colony. It is probable that these comprise more than three-fourths of the indigenous plants, if the fungi are excluded, of which it is yet impossible to ascertain the number with any approach to correctness. In the compilation of that part of the catalogue which contains the lower Acotyledoneæ I have enjoyed the services of some botanists of the highest rank, who made these branches of phytology their more exclusive study, and whose assistance I most gratefully record on this occasion. Messrs. Hampo and C. Mueller performed the examination of the Mosses; Professor Al. Braun that of the Characæ, and Dr. W. Sonder, for the greater part, that of the Algæ. I have further to acknowledge the aid which I experienced in the classification of others of these subtile plants from Professor Harvey, of King's College, Dublin, who intends to pursue his algological researches during

this summer on our shores, and from whose long experience and extensive knowledge we may expect the most perfect elucidation of our Marine Flora.

The general proportions of Dicotyledonous plants to Monocotyledonæ remain, by the additional species of this year, materially unaltered, namely, about 7 to 2, as formerly stated, with regard to the southern and south-eastern parts of the Colony; although, by a decrease of Monocotyledonæ in the north-western desert, an approach is perceptible there to that relation which these divisions of the vegetable kingdom bear to each other in Western Australia and in the sub-tropical part of South Australia. The series, however, of natural orders, with reference to their greatest number of species, received considerable alteration by the large increase of the Compositæ and several other orders in the desert tracts, and by the disappearance again, at various places, of other groups which predominated in the south. But as nearly all the main localities have now been traversed, the series of the most prevailing natural orders may be at this time considered fixed for the whole Colony in the following arrangement, if we omit, as not yet sufficiently examined, the lower Acotyledonæ, namely:—Compositæ, Leguminosæ, Gramineæ, Myrtacæ, Cyperoideæ, Salsolacæ, Proteacæ, Filices, Orchidæ, Epacridæ, Diosmæ, Umbelliferæ, Liliacæ, Labiatæ, Cruciferæ, Goodeniaceæ, Scrophularinæ, Euphorbiacæ.

Probably the descriptions of the new plants discovered last season will receive an abridged publication in the Transactions of the Philosophical Society or of the Melbourne Institute. Manuscripts have also been periodically transmitted to Sir William Hooker for his journal, accompanied by corresponding specimens. All these scattered notes will be hereafter collected in a popular form for a Flora of Victoria.

Seeds of the indigenous plants have been collected during my journey, as far as season and opportunity permitted, not only for our own establishment, but have been also distributed, to the amount of nearly 2000 lots, to the Royal Gardens at Kew, the Botanical Gardens of Hobart Town, Sydney, Cape of Good Hope, Mauritius, Calcutta, &c.

I beg to conclude these remarks with a few observations on the utility of such of our vegetable productions as were not alluded to in my last report.

The woods stand in this regard prominent in importance. The Blue Gum tree of Van Diemen's Land (*Eucalyptus globulus*) is found abundantly in some of the forest districts, principally of the south, and is already so well known for its colossal size, as to render it superfluous to quote the statements made of its vast dimensions. Of the circumference of the stem instances are on record by which this tree ranks only second to the famous Boabob from the Senegal. The experiments instituted in Van Diemen's Land have shown "that its elasticity and strength exceed generally those of all woods hitherto tested;" "it is equal in durability to oak and superior to it in size;" and therefore highly esteemed for ship building. Other Eucalypti likewise deserve attention, on account of the beauty and durability of their wood, in consequence of which qualities one of them from the south-eastern frontiers received there the name of the Mahogany tree. The wood of *Callistemon salignus*, although seldom of considerable size, stands here, perhaps, unrivalled for hardness. The fragrant Myall wood, so well adapted for subtile ornamental work, is obtained from *Acacia homalophylla*, and some allied species in the Mallee desert. The well-known Blackwood (*Acacia melanoxylon*), in some localities called Lightwood, attains in the Fern-tree gullies an enormous size, and yields a splendid material for furniture, at once most substantial and capable of a high polish, being also recommended for the finishing work of vessels. The Myrtle tree of Sealer's Cove and the Snowy River (*Acmena floribunda*) is also remarkable for its straight growth and its excellent wood. The Australian evergreen Beech (*Fagus Cunninghamii*) forms a noble tree, sometimes more than 100 feet high, of which the wood receives a beautiful polish. Omitting such kinds as are more generally known, I may yet mention as useful, chiefly for ornamental work, the Sassafras wood (from *Atherosperma moschatum*), the Lomatia wood (from *Lomatia polymorpha*), that of the Tolosa tree (*Pittosporum bicolor*), the Musk wood (from *Eurybia argophylla*), the Iron wood (from *Notelaea ligustrina*), that of the Oil-

fruit tree (*Elaeocarpus cyaneus*), the Zieria wood (from *Zieria arborescens*), that of the Heath tree (*Monotoca elliptica*), and of the Australian Mulberry tree (*Pseudomorus Australasica*). Samples of those kinds, which are met with on Wilson's Promontory, have been procured for the Paris Exhibition, and these may give some additional proof that we possess woods here for any purpose, with the exception perhaps of such as are fit for larger ships' masts.

Many other plants of practical value were noticed during my last expedition, amongst them a kind of New Zealand Spinage (*Tetragonia inermis*); an undescribed Elder tree (*Sambucus xanthocarpa*); a sort of Hottentot fig (*Mesembryanthemum præcox*), from the Murray desert, deserving cultivation for its agreeable fruit. To the series of native fruits enumerated last year might be farther added *Nitraria Billardieri*, and several species of *Exocarpus*, *Leucopogon*, and *Lissanthe*. Under the name of Australian Sarsaparilla, either the stems of *Hardenbergia monophylla*, or of *Muehlenbeckia appressa* and *complexa*, are employed; whilst a plant closely allied to the American root (*Smilax spinescens*) remained hitherto unnoticed.

Turning, finally, to our future prospects, as afforded to us by the enjoyment of the serenest climate and by the extensive fertility of the soil, I venture to say, that no praise too high can be bestowed in a general view on the productiveness of our adopted country. We possess in the Southern hemisphere, what the Ancients in the Northern called "regiones felices," those happy latitudes of a warm temperate zone, in which Nature with a prodigal hand offered prominently, amidst so many other gifts, the Cerealia, the Olive, and the Vine, and to which we there have added from the far East, the Orange, the Tea; from India, the Rice; and from the New World, the Maize, Cassava, Arrowroot, Tobacco, and so many other treasures of the vegetable world, on which mankind now rely for luxury and support. All these may be here successfully produced along with those which we enjoyed in the country of our youth, and will, I trust, with the mighty resources of our mineral wealth, render this country one of the most delightful and prosperous of the globe.

I have the honor to be,

Sir,

Your most obedient humble Servant,

FERDINAND MUELLER,

Government Botanist.

The Honorable

The Colonial Secretary.

SECOND SYSTEMATIC INDEX

OF THE

PLANTS OF VICTORIA,

COMPRISING THOSE WHICH WERE

EXAMINED BETWEEN SEPTEMBER, 1853, AND OCTOBER, 1854,

BY

DR. FERDINAND MUELLER,

Government Botanist.

Dicotyledoneæ.

THALAMIFLORÆ, CANDOLLE.

RANUNCULACEÆ, JUSSIEU.

<i>Clematis</i> , Linné	
C. leptophylla	Ferd. Mueller
C. comta	Ferd. Mueller

<i>Ranunculus</i> , Linné	
R. pimpinellifolius	Hooker
R. scapigerus	Hooker
*R. muricatus	Linné

<i>Myosurus</i> , Linné	
M. Australis	Ferd. Mueller

DILLENIACEÆ, CANDOLLE.

<i>Pleurandra</i> , Labillardière	
P. ovata	Labillardière
P. humifusa	Ferd. Mueller

MENISPERMEÆ, JUSSIEU.

<i>Cocculus</i> , Candolle	
C. Harveyanus	Ferd. Mueller

PAPAVERACEÆ, CANDOLLE.

<i>Papaver</i> , Tournefort	
P. horridum	Candolle

CRUCIFERÆ, JUSSIEU.

<i>Erysimum</i> , Linné	
E. brevipes	Ferd. Mueller
E. blennodes	Ferd. Mueller

<i>Meniocus</i> , Desvaux	
M. serpillifolius	Desvaux

<i>Lepidium</i> , Linné	
L. papillosum	Ferd. Mueller
L. monolocoides	Ferd. Mueller

<i>Monoploca</i> , Bunge	
M. leptopetala	Ferd. Mueller

<i>Hutchinsia</i> , Brown	
H. antipoda	Ferd. Mueller

BOTANY.—c.

ELÆOCARPEÆ, JUSSIEU.

<i>Elæocarpus</i> , Linné	
E. cyaneus	Sims

DROSERACEÆ, CANDOLLE.

<i>Drosera</i> , Linné	
D. angustifolia	Ferd. Mueller

POLYGALEÆ, JUSSIEU.

<i>Comesperma</i> , Labillardière	
C. polygaloides	Ferd. Mueller

PITTOSPOREÆ, R. BROWN.

<i>Pittosporum</i> , Solander	
P. undulatum	Ventenat.

<i>Marianthus</i> , Hucgel	
M. bignoniaceus	Ferd. Mueller

VINIFERÆ, JUSSIEU.

<i>Cissus</i> , Linné	
C. Australasica	Ferd. Mueller

SAPINDACEÆ, JUSSIEU.

<i>Dodonæa</i> , Linné	
D. Preissiana	Miquel
D. bursarifolia	Behr and Mueller
D. deflexa	Ferd. Mueller
D. procumbens	Ferd. Mueller

ZYGOPHYLLÆ, JUSSIEU.

<i>Tribulus</i> , Tournefort	
T. acauthococcus	Ferd. Mueller

<i>Zygophyllum</i> , Linné	
Z. Billardieri	Candolle
Z. crenatum	Ferd. Mueller
Z. aurantiacum	Ferd. Mueller
Z. apiculatum	Ferd. Mueller
Z. iodocarpum	Ferd. Mueller

DIOSMEÆ, JUSSIEU.

<i>Crowea</i> , Smith	
C. exalata	Ferd. Mueller
<i>Zieria</i> , Smith	
Z. pauciflora	Smith
<i>Boronia</i> , Smith	
B. cœrulescens	Ferd. Mueller
B. clavellifolia	Ferd. Mueller
B. variabilis	Hooker
B. pilosa	Labillardière
<i>Phebalium</i> , Ventenat	
P. sediflorum	Ferd. Mueller
P. ozothamnoides	Ferd. Mueller
<i>Asterolasia</i> , Ferd. Mueller	
A. phebaloides	Ferd. Mueller
A. trymaloides	Ferd. Mueller
<i>Eriostemon</i> , Smith	
E. Hillebrandi	Ferd. Mueller
E. phyllicoides	Ferd. Mueller
E. graeillis	Graham
E. trachyphyllus	Ferd. Mueller
E. lancifolius	Ferd. Mueller
<i>Geijera</i> , Schott	
G. parviflora	Lindley

BUETTNERIACEÆ, R. BROWN.

<i>Lasiopetalum</i> , Smith	
L. Behrii	Ferd. Mueller

STERCULIACEÆ, VENTENAT.

<i>Brachychiton</i> , Schott	
B. populneum	Horsfield & Bennett

MALVACEÆ, R. BROWN.

<i>Sida</i> , Linné	
S. Tasmanica	J. Hooker
S. intricata	Ferd. Mueller
S. humillima	Ferd. Mueller
S. trichopoda	Ferd. Mueller
S. Behriana	Ferd. Mueller
S. otocarpa	Ferd. Mueller

GERANIACEÆ, CANDOLLE.

<i>Geranium</i> , Linné	
G. breviaule	Hooker

CARYOPHYLLEÆ, JUSSIEU.

<i>Sagina</i> , Linné	
S. procumbens	Linné
<i>Spergularia</i> , Persoon	
S. brevifolia	Bartling

CALYCIFLORÆ, CANDOLLE.

SCLERANTHEÆ, LINK.

<i>Scleranthus</i> , Linné	
S. pungens	R. Brown
S. diander	R. Brown
<i>Mniarum</i> , Forster	
M. biflorum	Forster
M. singuliflorum	Ferd. Mueller

PORTULACEÆ, JUSSIEU.

<i>Glinus</i> , Loeffling	
G. lotoides	Loeffling

<i>Portulaca</i> , Linné	
*P. oleracea	Linné

TETRAGONIACEÆ, LINDLEY.

<i>Tetragonia</i> , Linné	
T. inermis	Ferd. Mueller

MESEMBRYANTHEMÆ, FENZL.

<i>Mesembryanthemum</i> , Linné	
M. præcox	Ferd. Mueller

NITRARIACEÆ, LINDLEY.

<i>Nitraria</i> , Linné	
N. Billardieri	Candolle

HALORAGÆÆ, BROWN.

<i>Pelonastes</i> , J. Hooker	
P. tuberculata	J. Hooker

<i>Myriophyllum</i> , Linné	
M. simplicifolium	Ferd. Mueller

LYTHRARIÆÆ, JUSSIEU.

<i>Ammannia</i> , Houston	
A. Australasica	Ferd. Mueller

CUCURBITACEÆ, JUSSIEU.

<i>Sicyos</i> , Linné	
S. fretensis	J. Hooker
<i>Cucurbita</i> , Linné	
C. micrantha	Ferd. Mueller

CUNONIACEÆ, R. BROWN.

<i>Bauera</i> , Kennedy	
B. sessiliflora	Ferd. Mueller

EUPHORBIACEÆ, JUSSIEU.

<i>Euphorbia</i> , Linné	
E. deserticola	Ferd. Mueller

<i>Ricinocarpus</i> , Desfontaines	
R. sessiliflorus	Ferd. Mueller

<i>Trachycaryon</i> , Klotzsch	
T. Hookeri	Ferd. Mueller
T. Cunninghami	Ferd. Mueller

<i>Beyera</i> , Miquel	
B. oblongifolia	Klotzsch
B. opaca	Ferd. Mueller

<i>Phyllanthus</i> , Swartz	
P. lacunarius	Ferd. Mueller
P. trachyspermus	Ferd. Mueller

<i>Halothamnus</i> , Ferd. Mueller	
H. microphyllus	Ferd. Mueller

CNEORÆÆ, WEBB.

<i>Heterodendron</i> , Desfontaines	
H. angustifolium	Ferd. Mueller

CELASTRINÆÆ, R. BROWN.

<i>Celastrus</i> , Linné	
C. Australis	Harvey & Mueller

RHAMNACEÆ, R. BROWN.

<i>Trymalium</i> , Fenzl	
T. uncinatum	Ferd. Mueller
T. diversifolium	Ferd. Mueller
T. velutinum	Ferd. Mueller
<i>Cryptandra</i> , Smith	
C. leucophracta	Schlechtendal

MYRTACEÆ, R. BROWN.

<i>Schidiomyrtus</i> , Schauer	
S. tenella	Schauer
<i>Lhotzkya</i> , Schauer	
L. genethylloides	Ferd. Mueller
<i>Euryomyrtus</i> , Schauer	
E. diffusa	Schauer
<i>Leptospermum</i> , Forster	
L. scoparium	Forster
<i>Kunzea</i> , Reichenbach	
K. parvifolia	Schauer
<i>Eucalyptus</i> , L'Heritier	
E. resinifera	Smith
E. maculata	Hooker
E. leucoxydon	Ferd. Mueller
E. occidentalis	Endlicher
E. marginata	Smith
E. botryoides	Smith
E. stellulata	Sieber
E. punctata	Candolle
E. costata	Behr and Mueller
E. dumosa	All. Cunningham
E. uncinata	Turezauuow
E. gracilis	Ferd. Mueller
E. santalifolia	Ferd. Mueller
E. largiflorens	Ferd. Mueller
<i>Callistemon</i> , R. Brown	
C. arborescens	Ferd. Mueller
C. rigidus	Candolle
C. Sieberi	Candolle
<i>Melaleuca</i> , Linné	
M. uncinata	R. Brown
M. gibbosa	Labillardière
M. thymifolia	Smith
<i>Tristania</i> , R. Brown	
T. laurina	R. Brown
<i>Acmena</i> , Candolle	
A. floribunda	Candolle

ROSACEÆ, JUSSIEU.

<i>Rubus</i> , Linné	
R. Eglanteria	Trattinick

LEGUMINOSÆ, JUSSIEU.

<i>Acacia</i> , Willdenow	
A. Sentis	Ferd. Mueller
A. ovoidea	Bentham
A. bossiaoides	Bentham
A. caphedroides	Bentham
A. calamifolia	Sweet
A. Wilhelmiana	Ferd. Mueller
A. brachybotrya	Bentham
A. gladiiformis	All. Cunningham
A. erassiuscula	Wendland
A. hakeoides	All. Cunningham
A. obtusata	Sieber
A. amœna	Wendland
A. microcarpa	Ferd. Mueller
A. homalophylla	All. Cunningham
A. clavata	Schlechtendal
A. floribunda	Willdenow

Cassia, Linné

C. platypoda	R. Brown
C. teretiuscula	Ferd. Mueller
<i>Gompholobium</i> , Smith	
G. uncinatum	All. Cunningham
<i>Daviesia</i> , Smith	
D. cgena	Ferd. Mueller
<i>Burtonia</i> , R. Brown	
B. subalpina	Ferd. Mueller
<i>Phyllota</i> , Candolle	
P. pleuraudroides	Ferd. Mueller
<i>Pultenaea</i> , Smith	
P. retusa	Smith
P. prostrata	Ferd. Mueller
P. subumbellata	Hooker
P. villifera	Sieber
P. baeckeoides	Bentham
P. juniperiua	Labillardière
P. fasciculata	Bentham
<i>Bossicea</i> , Ventenat	
B. ensata	Sieber
B. sulcata	Meisner
B. microphylla	Smith
B. distichoclada	Ferd. Mueller
<i>Goodia</i> , Salisbury	
G. pubescens	Sims
G. lotifolia	Salisbury
G. medicaginea	Ferd. Mueller
<i>Psoralea</i> , Linné	
P. parva	Ferd. Mueller
<i>Swainsona</i> , Salisbury	
S. coronillifolia	Salisbury
<i>Leptocyanus</i> , Bentham	
L. elongatus	Bentham
L. sericeus	Ferd. Mueller
L. latrobeanus	Ferd. Mueller
L. clandestinus	Bentham
<i>Kennedya</i> , Ventenat	
K. rubiunda	Ventcnat

UMBELLIFERÆ, JUSSIEU.

<i>Centella</i> , Linné	
C. euneifolia	Ferd. Mueller
<i>Dimetopia</i> , Candolle	
D. pusilla	Candolle
<i>Trachymene</i> , Rudge	
T. ovata	Rudge
<i>Didiscus</i> , Candolle	
D. humilis	J. Hooker
<i>Anisotome</i> , J. Hooker	
A. simplicifolia	Ferd. Mueller

RUBIACEÆ, JUSSIEU.

<i>Galium</i> , Scopoli	
G. geminifolium	Ferd. Mueller
<i>Morinda</i> , Vaillant	
M. jasmuoides	All. Cunningham

LORANTHACEÆ, DON.

<i>Loranthus</i> , Linné	
L. linophyllus	Feuzl
L. melaleucæ	Lehmann

CAPRIFOLIACEÆ, JUSSIEU.

<i>Sambucus</i> , Linné	
S. xanthocarpa	Ferd. Mueller

COMPOSITÆ, VAILLANT.

<i>Steetzia</i> , Sonder		<i>Pycnosorus</i> , Bentham	
<i>S. ovata</i>	Sonder	<i>P. globosus</i>	Bentham
		<i>P. chrysanthus</i>	Souder
<i>Eurybia</i> , Cassini		<i>Craspedia</i> , Forster	
<i>E. brachyphylla</i>	Ferd. Mueller	<i>C. plejocephala</i>	Ferd. Mueller
<i>E. artemisioides</i>	Sonder & Mueller	<i>Polycalymma</i> , Sonder and Mueller	
<i>E. rudis</i>	Bentham	<i>P. Stuartii</i>	Sonder & Mueller
<i>E. alpicola</i>	Ferd. Mueller	<i>Ixodia</i> , Brown	
<i>E. erubescens</i>	Candolle	<i>I. alata</i>	Schlechtendal
<i>E. Muelleri</i>	Sonder	<i>Humea</i> , Smith	
<i>E. floribunda</i>	J. Hooker	<i>H. elegans</i>	Smith
<i>E. paniculata</i>	Steetz	<i>Cassinia</i> , R. Brown	
<i>E. teretifolia</i>	Souder	<i>C. rosmarinifolia</i>	All. Cunningham
<i>Therogeron</i> , Candolle		<i>C. pauciculata</i>	Behr and Mueller
<i>T. integerrimus</i>	Candolle	<i>Rutidosis</i> , Candolle	
<i>T. tenuifolius</i>	Sonder	<i>R. auricoma</i>	Ferd. Mueller
<i>Erigeron</i> , Linné		<i>Waitzia</i> , Wendland	
<i>E. conyzoides</i>	Ferd. Mueller	<i>W. acuminata</i>	Steetz
<i>Minuria</i> , Candolle		<i>Leptorrhynchus</i> , Lessing	
<i>M. asteroidea</i>	Sonder	<i>L. nitidulus</i>	Candolle
<i>Brachycome</i> , Cassini		<i>L. Rhytidanthe</i>	Bentham
<i>B. leptocarpa</i>	Ferd. Mueller	<i>L. Waitzia</i>	Sonder
<i>B. gonioearpa</i>	Souder & Mueller	<i>L. pulchellus</i>	Ferd. Mueller
<i>B. melanocarpa</i>	Sonder & Mueller	<i>Ixiolana</i> , Bentham	
<i>B. calocarpa</i>	Ferd. Mueller	<i>I. tomentosa</i>	Sonder & Mueller
<i>B. ptychocarpa</i>	Ferd. Mueller	<i>Pancetia</i> , Cassini	
<i>B. pachyptera</i>	Turezaniow	<i>P. atrixioides</i>	Sonder & Mueller
<i>B. chrysoglossa</i>	Ferd. Mueller	<i>Podolepis</i> , Labillardière	
<i>Calotis</i> , R. Brown		<i>P. Lueccana</i>	Walpers
<i>C. anthemoides</i>	Ferd. Mueller	<i>P. affinis</i>	Sonder
<i>C. cuneifolia</i>	Brown	<i>P. simplicicaulis</i>	Ferd. Mueller
<i>C. lappulacea</i>	Bentham	<i>Siemsenia</i> , Steetz	
<i>C. erinacea</i>	Steetz	<i>S. capillaris</i>	Steetz
<i>C. multisetia</i>	Sonder	<i>Dimorpholepis</i> , Asa Gray	
<i>C. scabiosifolia</i>	Sonder & Mueller	<i>D. Australis</i>	Asa Gray
<i>C. scapigera</i>	Hooker	<i>Ozothamnus</i> , R. Brown	
<i>Cheilotoma</i> , Ferd. Mueller		<i>O. Hookeri</i>	Sonder
<i>C. hispidulum</i>	Ferd. Mueller	<i>O. cinereus</i>	R. Brown
<i>Isoetopsis</i> , Turezaniow		<i>O. thyrsoides</i>	Candolle
<i>I. graminifolia</i>	Turezaniow	<i>O. rosmarinifolius</i>	Candolle
<i>Epaltes</i> , Cassini		<i>O. plauifolius</i>	Ferd. Mueller
<i>E. Australis</i>	Candolle	<i>O. cuneifolius</i>	Ferd. Mueller
<i>Eclipta</i> , Linné		<i>Helichrysum</i> , Gaertner	
<i>E. erecta</i>	Linné	<i>H. Blandowskianum</i>	Steetz
<i>Bidens</i> , Linné		<i>Chrysocephalum</i> , Walpers	
* <i>B. tripartita</i>	Linné	<i>C. vitellinum</i>	Sonder & Mueller
<i>Silphiosperma</i> , Steetz		<i>C. squarulosum</i>	Sonder
<i>S. collinum</i>	Sonder	<i>C. Behrianum</i>	Souder
<i>Ctenosperma</i> , J. Hooker		<i>Helipterum</i> , Candolle	
<i>C. alpinum</i>	J. Hooker	<i>H. exiguum</i>	Ferd. Mueller
<i>Sphaeromorpha</i> , Candolle		<i>H. Stuartianum</i>	Souder & Mueller
<i>S. petiolaris</i>	Candolle	<i>H. eorymbiflorum</i>	Schlechtendal
<i>Hyalolepis</i> , Candolle		<i>H. praeox</i>	Ferd. Mueller
<i>H. rhizoccephala</i>	Candolle	<i>Pteropogon</i> , Candolle	
<i>Skirrhophorus</i> , Candolle		<i>P. pygmaeus</i>	Candolle
<i>S. Muellerianus</i>	Sonder	<i>Elachanthus</i> , Ferd. Mueller	
<i>Angianthus</i> , Wendland		<i>E. pusillus</i>	Ferd. Mueller
<i>A. brachypappus</i>	Ferd. Mueller	<i>Antennaria</i> , R. Brown	
<i>Eriochlamys</i> , Sonder and Mueller		<i>A. nubigena</i>	Ferd. Mueller
<i>E. Behrii</i>	Sonder & Mueller	<i>Gnaphalium</i> , Linné	
<i>Chrysocoryne</i> , Endlicher		<i>G. alpinum</i>	Ferd. Mueller
<i>C. angianthoides</i>	Ferd. Mueller	<i>Monencyanthus</i> , Asa Gray	
<i>Trichanthodium</i> , Sonder and Mueller		<i>M. gnaphaloides</i>	Asa Gray
<i>T. skirrhophorum</i>	Sonder & Mueller	<i>Gnaphalodes</i> , Asa Gray	
<i>Calocephalus</i> , R. Brown		<i>G. evaeinum</i>	Sonder
<i>C. Brownii</i>	Ferd. Mueller		
<i>C. Sonderi</i>	Ferd. Mueller		

<i>Hyalosperma</i> , Steetz	
H. variabile	Sonder
<i>Erechtites</i> , Rafinesque	
E. quadridentata	Candolle
E. glossanthes	Sonder
<i>Senecio</i> , Linné	
S. Georgianus	Candolle
S. pectinatus	Candolle
S. Behriaus	Sonder & Mueller
S. carnuleutus	Candolle
<i>Leuzea</i> , Candolle	
L. Australis	Candolle
<i>Cirsium</i> , Tournefort	
*C. lanceolatum	Seopoli

GOODENIACEÆ, R. BROWN.

<i>Dampiera</i> , R. Brown	
D. incana	R. Brown
<i>Scævola</i> , Linné	
S. hispida	Cavanilles
<i>Goodenia</i> , Smith	
G. varia	R. Brown
G. heteromera	Ferd. Mueller
<i>Vellea</i> , Brown	
V. conuata	Ferd. Mueller

LOBELIACEÆ, JUSSIEU.

<i>Pratia</i> , Gaudichaud	
P. Cunninghami	J. Hooker

STYLIDEEÆ, R. BROWN.

<i>Stylidium</i> , Swartz	
S. soboliferum	Ferd. Mueller
<i>Coleostylis</i> , Sonder	
C. Sonderi	Ferd. Mueller
C. nudicaulis	Ferd. Mueller

ERICÆÆ, R. BROWN.

<i>Gaultheria</i> , Kalm	
G. hispida	R. Brown

EPACRIDEEÆ, R. BROWN.

<i>Styphelia</i> , R. Brown	
S. adscendens	R. Brown
<i>Stenanthera</i> , R. Brown	
S. pinifolia	R. Brown
<i>Astroloma</i> , R. Brown	
A. ericoides	Ferd. Mueller
<i>Leucopogon</i> , R. Brown	
L. lanecolatus	R. Brown
L. villosus	R. Brown
L. obtusatus	J. Hooker
L. rotundifolius	R. Brown
<i>Monotoca</i> , R. Brown	
M. elliptica	R. Brown
<i>Lissanthe</i> , R. Brown	
L. daphnoides	R. Brown
L. divaricata	J. Hooker
<i>Richea</i> , R. Brown	
R. dracophylla	R. Brown

COROLLIFLORÆ, CANDOLLE.

MYOPORINEÆ, R. BROWN.

<i>Disoon</i> , Alph. Candolle	
D. floribundus	Alph. Candolle
<i>Myoporum</i> , Banks and Solander	
M. Cunninghami	Bentham
M. platycarpum	R. Brown
<i>Pholidia</i> , R. Brown	
P. divaricata	Ferd. Mueller
P. polyelada	Ferd. Mueller
<i>Eremophila</i> , R. Brown	
E. oppositifolia	R. Brown
<i>Stenochilus</i> , R. Brown	
S. subeaneceus	Bartling

LABIATÆ, JUSSIEU.

<i>Salvia</i> , Linné	
S. plebeja	R. Brown
<i>Westringia</i> , Smith	
W. violacea	Ferd. Mueller
<i>Plectranthus</i> , L'Heritier	
P. parviflorus	Willdenow
<i>Prostanthera</i> , Labillardière	
P. retusa	R. Brown
P. phyllifolia	Ferd. Mueller
P. coccinea	Ferd. Mueller
P. spinosa	Ferd. Mueller
<i>Teucrium</i> , Linné	
T. sessiliflorum	Bentham

BOTANY.—d.

<i>Stachys</i> , Linné	
*S. arvensis	Linné

BORRAGINEÆ, DESVAUX.

<i>Myosotis</i> , Linné	
M. Forsteri	Lehmann
<i>Heliotropium</i> , Linné	
H. Curassavicum	Linné
H. lacunarium	Ferd. Mueller
H. elachanthum	Ferd. Mueller
<i>Halgania</i> , Gaudichaud	
H. strigosa	Schlechtendal

CONVOLVULACEÆ, JUSSIEU.

<i>Wilsonia</i> , R. Brown	
W. humilis	R. Brown

ASCLEPIADEÆ, R. BROWN.

<i>Marsdenia</i> , R. Brown	
M. rostrata	R. Brown
<i>Tylophora</i> , R. Brown	
T. barbata	R. Brown

LOGANIACEÆ, ENDLICHER.

<i>Logania</i> , R. Brown	
L. linifolia	Schlechtendal
<i>Mitrasacme</i> , Labillardière	
M. pilosa	Labillardière
M. distylis	Ferd. Mueller

GENTIANEE, JUSSIEU.

<i>Gentiana</i> , Linné	
G. montana	Forster
<i>Limnanthemum</i> , Gmelin	
L. geminatum	Griesebach
L. crevatum	Ferd. Mueller

SOLANEÆ, JUSSIEU.

<i>Solanum</i> , Linné	
S. lacunarium	Ferd. Mueller
S. pulchellum	Ferd. Mueller
<i>Lycium</i> , Linné	
L. Australe	Ferd. Mueller

GESNERIEÆ, RICHARD.

<i>Fieldia</i> , All. Cunningham	
F. Australis	All. Cunningham

SCROPHULARINÆ, R. BROWN.

<i>Mimulus</i> , Linné	
M. gracilis	R. Brown
<i>Gratiola</i> , Linné	
G. pedunculata	R. Brown

<i>Limosella</i> , Linné	
L. tenuifolia	Nuttall
<i>Morgania</i> , R. Brown	
M. glabra	R. Brown
<i>Euphrasia</i> , Linné	
E. alpina	R. Brown
E. speciosa	R. Brown
E. scabra	R. Brown

VERBASCEÆ, BARTLING.

<i>Verbascum</i> , Linné	
*V. Blattaria	Linné
*V. virgatum	Withering

OROBANCHEÆ, JUSSIEU.

<i>Orobanche</i> , Linné	
O. antipoda	Ferd. Mueller

LENTIBULARINÆ, RICHARD.

<i>Polypompholyx</i> , Lehmann	
P. exigua	Ferd. Mueller

PRIMULACEÆ, VENTENAT.

<i>Samolus</i> , Tournefort	
S. micranthus	Ferd. Mueller

MONOCHLAMYDEÆ, CANDOLLE.

PROTEACEÆ, R. BROWN.

<i>Persoonia</i> , Smith	
P. linearis	Andrews
<i>Conospermum</i> , Smith	
C. patens	Schlechtendal
C. Dallachii	Ferd. Mueller
<i>Grevillea</i> , R. Brown	
G. dimorpha	Ferd. Mueller
G. confertifolia	Ferd. Mueller
G. Australis	R. Brown
G. lobata	Ferd. Mueller
G. rigidissima	Ferd. Mueller
G. pterosperma	Ferd. Mueller
<i>Lomatia</i> , R. Brown	
L. polymorpha	R. Brown
<i>Hakea</i> , Schrader	
H. flexilis	R. Brown
H. leucoptera	R. Brown
H. rugosa	R. Brown
H. Epiglottis	Labillardière
H. vittata	R. Brown
H. saligna	Knight & Salisbury
<i>Banksia</i> , Linné, jun.	
B. insularis	R. Brown
B. ornata	Ferd. Mueller
B. eoccinea	R. Brown

THYMELEÆ, JUSSIEU.

<i>Pimelea</i> , Banks and Solander	
P. drupacea	Labillardière
P. ligustrina	Labillardière
P. alpina	Ferd. Mueller
P. dichotoma	Schlechtendal
P. simplex	Ferd. Mueller
P. gracilis	R. Brown

AMARANTHACEÆ, JUSSIEU.

<i>Trichinium</i> , R. Brown	
T. crubescens	Moquin
T. nobile	Lindley
T. grandiceps	Ferd. Mueller
T. atriplicifolium	All. Cunningham
T. Preissii	Nees

SALSOLACEÆ, JUSSIEU.

<i>Rhagodia</i> , R. Brown	
R. parabolica	R. Brown
R. deltophylla	Ferd. Mueller
R. rigens	Ferd. Mueller
R. nitrariaacea	Ferd. Mueller
<i>Blitum</i> , Linné	
B. atriplicinum	Ferd. Mueller
<i>Heussenroedera</i> , Ferd. Mueller	
H. dysphanoides	Ferd. Mueller
<i>Obione</i> , Gaertner	
O. inflata	Ferd. Mueller
O. mutata	Ferd. Mueller
O. spongiosa	Ferd. Mueller
O. rhagodioides	Ferd. Mueller
<i>Atriplex</i> , Linné	
A. leptocarpum	Ferd. Mueller
A. lacunarium	Ferd. Mueller
*A. patulum	Linné
A. nummularium	Lindley
A. reniforme	R. Brown
A. Tandonis	Ferd. Mueller
<i>Anisacantha</i> , R. Brown	
A. quinquecuspidis	Ferd. Mueller
A. tricuspis	Ferd. Mueller
A. bicuspidis	Ferd. Mueller
A. kentropsidea	Ferd. Mueller

<i>Sclerolana</i> , R. Brown	R. Brown	POLYDONEÆ, JUSSIEU.	
S. biflora	R. Brown	<i>Polygonum</i> , Linné	
S. paradoxa		P. dictium	Ferd. Mueller
<i>Heterochlamys</i> , Ferd. Mueller		<i>Muehlenbeckia</i> , Meisner	
H. villosa	Ferd. Mueller	M. axillaris	J. Hooker
<i>Kochia</i> , Schrader		SANTALACEÆ, JUSSIEU.	
K. brachyptera	Ferd. Mueller	<i>Choretum</i> , R. Brown	
K. brevifolia	R. Brown	C. chrysanthum	Ferd. Mueller
K. sedifolia	Ferd. Mueller	<i>Exocarpus</i> , Labillardière	
K. villosa	Lindley	E. pendula	Ferd. Mueller
K. deserticola	Ferd. Mueller	E. dasystachys	Schlechtendal
K. aphylla	R. Brown	E. humifusa	R. Brown
<i>Kentropsis</i> , Moquiu		E. aphylla	R. Brown
K. cornuta	Ferd. Mueller	CASUARINÆ, MIEBEL.	
<i>Eriochiton</i> , Ferd. Mueller		<i>Casuarina</i> , Rumph	
E. sclerolæuoides	Ferd. Mueller	C. cristata	Miquel
<i>Osteocarpum</i> , Ferd. Mueller		CONIFERÆ, JUSSIEU.	
O. salsuginosum	Ferd. Mueller	<i>Callitris</i> , Ventenat	
<i>Salsola</i> , Linné		C. Australis	Hooker
S. Australis	R. Brown		

Monocotyledoneæ.

ORCHIDEEÆ, JUSSIEU.		<i>Arthropodium</i> , R. Brown A. pauciculatum R. Brown	
<i>Diuris</i> , Smith		<i>Casia</i> , R. Brown	
D. elongata	Swartz	C. lateriflora	R. Brown
D. tagesicolor	Ferd. Mueller	<i>Tricoryne</i> , R. Brown	
<i>Spiranthes</i> , Richard		T. aspera	Ferd. Mueller
S. Australis	Liudley	<i>Thysanotus</i> , R. Brown	
<i>Microtis</i> , R. Brown		T. sparteus	R. Brown
M. pulchella	R. Brown	T. Baueri	R. Brown
<i>Acianthus</i> , R. Brown		<i>Stypandra</i> , R. Brown	
A. fornicatus	R. Brown	S. glauca	R. Brown
<i>Pterostylis</i> , R. Brown		<i>Dianella</i> , Lamark	
P. reflexa	R. Brown	D. longifolia	R. Brown
P. grandiflora	R. Brown	<i>Eustrephus</i> , R. Brown	
P. parviflora	R. Brown	E. latifolius	R. Brown
P. longifolia	R. Brown	E. angustifolius	R. Brown
P. mutica	R. Brown		
P. rufa	R. Brown		
<i>Corysanthes</i> , R. Brown		SMILACEÆ, R. BROWN.	
C. fimbriata	R. Brown	<i>Smilax</i> , Tournefort	
<i>Macdonaldia</i> , Gunn		S. spinesceus	Miquel
M. concolor	Lindley		
IRIDEEÆ, JUSSIEU.		XYRIDEÆ, ENDLICHER.	
<i>Patersonia</i> , R. Brown		<i>Xyris</i> , Linné	
P. glauca	R. Brown	X. gracilis	R. Brown
P. longiscapa	Sweet		
AMARYLLIDEEÆ, R. BROWN.		PALMEÆ, JUSSIEU.	
<i>Crinum</i> , Linné		<i>Livistona</i> , R. Brown	
C. flaccidum	Herbert	L. Australis	Martius
LILIACEÆ, CANDOLLE.		XEROTIDEEÆ, ENDLICHER.	
<i>Sowerbaa</i> , Smith		<i>Xerotes</i> , R. Brown	
S. juncea	Smith	X. æmula	R. Brown
<i>Dichopogon</i> , Kunth		X. filiformis	R. Brown
D. setosus	Kunth	X. sororia	Ferd. Mueller
		X. rigida	R. Brown
		X. typhina	Lindley

CALECTASIEÆ, ENDLICHER.

<i>Calectasia</i> , R. Brown	
<i>C. grandiflora</i>	Preiss

JUNCEÆ, CANDOLLE.

<i>Juncus</i> , Linné	
<i>J. conglomeratus</i>	Linné
<i>J. planifolius</i>	R. Brown
<i>J. falcatus</i>	E. Meyer

JUNCAGINEÆ, RICHARD.

<i>Triglochin</i> , Linné	
<i>T. dubium</i>	R. Brown

HYDROCHARIDEÆ, JUSSIEU.

<i>Vallisneria</i> , Linné	
<i>V. spiralis</i>	Linné
<i>Udora</i> , Nuttall	
<i>U. Australis</i>	Ferd. Mueller

TYPHACEÆ, JUSSIEU.

<i>Sparganium</i> , Linné	
<i>S. angustifolium</i>	R. Brown

NAJADEÆ, AGARDH.

<i>Najas</i> , Linné	
<i>N. Indica</i>	Willdenow

ZOSTERACEÆ, LINDLEY.

<i>Thalassia</i> , Solander	
<i>T. ovalis</i>	Ferd. Mueller

POTAMEÆ, JUSSIEU.

<i>Potamogeton</i> , Linné	
<i>P. praelongus</i>	Wulfen
<i>P. perfoliatus</i>	Linné

DESVAUXIÆ, BARTLING.

<i>Desvauxia</i> , R. Brown	
<i>D. pulvinata</i>	R. Brown
<i>D. glabra</i>	Ferd. Mueller
<i>D. Billardieri</i>	R. Brown
<i>Alepyrum</i> , R. Brown	
<i>A. pumilio</i>	R. Brown
<i>Juncella</i> , Ferd. Mueller	
<i>J. Tasmanica</i>	Ferd. Mueller

ERIOCAULONEÆ, RICHARD.

<i>Electrosperma</i> , Ferd. Mueller	
<i>E. Australasicum</i>	Ferd. Mueller

RESTIACEÆ, R. BROWN.

<i>Calorophus</i> , Labillardière	
<i>C. elongatus</i>	Nees
<i>Restio</i> , Linné	
<i>R. Australis</i>	R. Brown
<i>R. complanatus</i>	R. Brown
<i>Lepyrodia</i> , R. Brown	
<i>L. scariosa</i>	R. Brown
<i>L. paniculata</i>	Ferd. Mueller
<i>Lepidobolus</i> , Nees	
<i>L. Preissianus</i>	Nees

CYPEROIDEÆ, JUSSIEU.

<i>Cyperus</i> , Linné	
<i>C. rotundus</i>	Linné
<i>C. difformis</i>	Linné
<i>C. vaginatus</i>	R. Brown
<i>Isolepis</i> , R. Brown	
<i>I. supina</i>	R. Brown
<i>Scirpus</i> , Linné	
<i>S. polystachyos</i>	Ferd. Mueller
<i>Cladium</i> , R. Brown	
<i>C. lanigerum</i>	R. Brown
<i>Chapelliera</i> , Nees	
<i>C. teretifolia</i>	Nees
<i>C. pauciflora</i>	Nees
<i>C. tetragona</i>	Ferd. Mueller
<i>Lepidosperma</i> , Labillardière	
<i>L. Neesii</i>	Kunth
<i>L. gracile</i>	R. Brown
<i>Oreobolus</i> , R. Brown	
<i>O. Pumilio</i>	R. Brown
<i>Elynanthus</i> , Lestiboudois	
<i>E. aphyllus</i>	Ferd. Mueller
<i>Caustis</i> , R. Brown	
<i>C. flexuosa</i>	R. Brown
<i>C. pentandra</i>	R. Brown
<i>Carex</i> , Linné	
<i>C. halmaturina</i>	Ferd. Mueller
<i>C. litorea</i>	Labillardière
GRAMINEÆ, JUSSIEU.	
<i>Agrostis</i> , Linné	
<i>A. gelida</i>	Ferd. Mueller
<i>Stipa</i> , Linné	
<i>S. elegantissima</i>	Labillardière
<i>S. læviculmis</i>	Nees
<i>S. aristiglumis</i>	Ferd. Mueller
<i>Pentapogon</i> , R. Brown	
<i>P. Behrii</i>	Ferd. Mueller
<i>Amphipogon</i> , R. Brown	
<i>A. caricinus</i>	Ferd. Mueller
<i>Pappophorum</i> , Schreber	
<i>P. nigricans</i>	R. Brown
<i>Neurachne</i> , R. Brown	
<i>N. alopecuroides</i>	R. Brown
<i>Avena</i> , Linné	
<i>A. nervosa</i>	R. Brown
<i>Bromus</i> , Linné	
<i>*B. sterilis</i>	Linné
<i>Vulpia</i> , Gmelin	
<i>V. peetinata</i>	Ferd. Mueller
<i>Triodia</i> , R. Brown	
<i>T. irritans</i>	R. Brown
<i>Glyceria</i> , R. Brown	
<i>G. Hookeriana</i>	Ferd. Mueller
<i>G. spectabilis</i>	Mertens and Koch
<i>Aristida</i> , Linné	
<i>A. contorta</i>	Ferd. Mueller
<i>A. Behriana</i>	Ferd. Mueller
<i>Poa</i> , Linné	
<i>P. ramigera</i>	Ferd. Mueller
<i>P. brizochloa</i>	Ferd. Mueller
<i>Chloris</i> , Swartz	
<i>C. Moorei</i>	Ferd. Mueller

<i>Panicum</i> , Linné		<i>Holcus</i> , Linné	
<i>P. gracile</i>	R. Brown	* <i>H. lanatus</i>	Linné
<i>P. convallium</i>	Ferd. Mueller		
<i>P. prolutum</i>	Ferd. Mueller	<i>Hierochloe</i> , Gmelin	
<i>P. ammophilum</i>	Ferd. Mueller	<i>H. antarctica</i>	R. Brown
<i>P. glareæ</i>	Ferd. Mueller	<i>H. submutica</i>	Ferd. Mueller
<i>Ophlismenus</i> , Beauvois			
<i>O. debilicaulis</i>	Ferd. Mueller	<i>Aira</i> , Linné	
<i>Andropogon</i> , Linné		<i>A. Tasmaniae</i>	Ferd. Mueller
<i>A. bombycinus</i>	R. Brown		
<i>A. Australis</i>	Sprengel		

Acotyledoneæ.

FILICES, JUSSIEU.

<i>Gymnogramme</i> , Desvaux	
<i>G. leptophylla</i>	Desvaux
<i>Polypodium</i> , Linné	
<i>P. rupestre</i>	R. Brown
<i>Allantodea</i> , R. Brown	
<i>A. Australis</i>	R. Brown
<i>Nephrodium</i> , Michaux	
<i>N. lacerum</i>	Ferd. Mueller
<i>Lomaria</i> , Willdenow	
<i>L. alpina</i>	Sprengel
<i>Pteris</i> , Linné	
<i>P. umbrosa</i>	R. Brown
<i>Adiantum</i> , Linné	
<i>A. fornosum</i>	R. Brown

CHARACEÆ, RICHARD.

<i>Nitella</i> , Agardh	
<i>N. Sonderi</i>	A. Braun
<i>N. gelatinosa</i>	A. Braun
<i>N. cristata</i>	A. Braun
<i>Chara</i> , Linné	
<i>C. macropogon</i>	A. Braun

LICHENASTRA, DILLENIUS.

<i>Jungermannia</i> , Linné	
<i>J. tomentella</i>	Ehrhart
<i>J. tamarisci</i>	Linné
<i>Metzgeria</i> , Raddi	
<i>M. glabra</i>	Raddi
<i>Gymnomitrium</i> , Nees	
<i>G. pingue</i>	Huebner
<i>Marchantia</i> , Linné	
<i>M. polymorpha</i>	Linné
<i>Anthoceros</i> , Linné	
<i>A. punctatus</i>	Linné
<i>Riccia</i> , Linné	
<i>R. natans</i>	Linné

MUSCI, VAILLANT.

<i>Sphagnum</i> , Dillenius	
<i>S. cymbophyllum</i>	Ferd. Mueller
<i>Phascum</i> , Linné	
<i>P. cylindricum</i>	Taylor

BOTANY.—c.

<i>Astomum</i>	
<i>A. Krauseanum</i>	Hampe
<i>Leucobryum</i>	
<i>L. brachyphyllum</i>	Hampe
<i>Physcomitrium</i> , Bridel	
<i>P. integrifolium</i>	Hampe & Mueller
<i>Euthostodon</i>	
<i>E. Taylori</i>	C. Mueller
<i>Funaria</i> , Hedwig	
<i>F. sperocarpa</i>	C. Mueller
<i>F. glabra</i>	Taylor
<i>Dissodon</i> , Greville and Arnott	
<i>D. plagiopus</i>	C. Mueller
<i>Encalypta</i> , Hedwig	
<i>E. Tasmanica</i>	Hampe & Mueller
<i>Barbula</i> , Hedwig	
<i>B. calycina</i>	Schwaegrichen
<i>B. Australasica</i>	Hooker & Greville
<i>B. torquata</i>	Taylor
<i>B. subtorquata</i>	Hampe & Mueller
<i>B. crassinervia</i>	Taylor
<i>B. breviseta</i>	Hampe & Mueller
<i>B. fleximarginata</i>	Hampe & Mueller
<i>B. pandurifolia</i>	Hampe & Mueller
<i>B. pseudo-pilifera</i>	Hampe & Mueller
<i>Bryum</i> , Linné	
<i>B. Preissianum</i>	Hampe
<i>B. argenteum</i>	Linné
<i>B. pachythecium</i>	C. Mueller
<i>B. pyrothecium</i>	Hampe & Mueller
<i>B. subaueum</i>	Hampe & Mueller
<i>B. creberrimum</i>	Taylor
<i>B. campylotheccium</i>	Taylor
<i>B. leptothecium</i>	Taylor
<i>Ceratodon</i> , Bridel	
<i>C. purpureus</i>	Bridel
<i>Dicranum</i> , Hedwig	
<i>D. glaucum</i>	Hedwig
<i>D. dicarpum</i>	Hornschuch
<i>D. introflexum</i>	Hedwig
<i>D. pudicum</i>	Hornschuch
<i>Bartramia</i> , Hedwig	
<i>B. attius</i>	Hooker
<i>Gumbelia</i>	
<i>G. obtusata</i>	Hampe & Mueller
<i>Grimmia</i> , Hedwig	
<i>G. leiocarpa</i>	Taylor
<i>G. cygnicolla</i>	Taylor
<i>G. pygmaea</i>	C. Mueller

<i>Zygodon</i> , Hooker Z. Drummondii Z. Brownii	Taylor Schwaegrichen	<i>Parmelia</i> , Acharius P. diatrypa P. chrysophthalma P. spinosa P. parietina P. conspersa P. physodes P. perlata	Acharius Acharius Hooker & Taylor Acharius Acharius Acharius Acharius
<i>Orthotrichum</i> , Hedwig O. Tasmanicum	Hooker & Wilson	<i>Cladonia</i> , Hoffmann C. pyxidata C. furcata C. nivalis C. sparassa C. coriularia C. retipora C. cervicornis	Fries Floerke Floerke Fries Laurer Fries J. Hooker
<i>Macromitrium</i> , Bridel M. Eucalyptorum	Hampe & Mueller	<i>Biatra</i> , Fries B. decipiens B. mixta B. cinnabrina	Fries Fries Fries
<i>Dawsonia</i> , R. Brown D. superba	Greville	<i>Collema</i> , Acharius C. azureum C. leucocarpum C. læve C. Australe C. rugatum	Acharius Hooker & Taylor Hooker & Taylor Hooker & Taylor Hooker & Taylor
<i>Catharinaea</i> , Ehrhart C. Muellerei	Ehrhart	<i>Coenogonium</i> , Ehrenberg C. nigrescens	Hampe
<i>Polytrichum</i> , Linné P. Australasicum P. juniperifolium P. commune P. deudroides	Hampe & Mueller Hoffmann Linné Hedwig	<i>Lichina</i> , Agardh L. pygmæa	Agardh
<i>Leptostomum</i> , R. Brown L. flexipile	C. Mueller	ALGÆ, JUSSIEU.	
<i>Mnium</i> , Dillenius M. Paramattense	C. Mueller	<i>Conferva</i> , Fries C. Darwinii	Kuetzing
<i>Fissidens</i> , Hedwig F. semilimbatus	Hampe & Mueller	<i>Cladophora</i> , Kuetzing C. Bainesii	Harvey & Mueller
<i>Hedwigia</i> , Hooker H. microcyathea	Hampe & Mueller	<i>Ulva</i> , Agardh U. lactuca	Linné
<i>Neckera</i> , Hedwig N. flavo-limbata N. mollis N. Australiæ	Hampe & Mueller Hampe & Mueller Hampe & Mueller	<i>Porphyra</i> , Agardh P. vulgaris	Agardh
<i>Hookeria</i> , Smith H. hepaticifolia	Hampe & Mueller	<i>Codium</i> , Agardh C. tomentosum	Agardh
<i>Leskea</i> , Hedwig L. homomalla	Hampe	<i>Caulerpa</i> , Lamouroux C. corynephora C. geminata C. obscura C. Harveyi C. Sonderi C. Selago C. hypuoides C. simpliciuscula C. scalpelliformis	Moutagne Harvey Sonder Ferd. Mueller Ferd. Mueller Agardh Agardh Agardh
<i>Hypnum</i> , Linné H. spinicervium H. deflexum H. aciculare H. hastatum H. Muellerei H. subclavatum H. Rossmanniaum H. amoenum H. extenuatum H. crinitum H. cochlearifolium	Hooker Wilson Hedwig C. Mueller Hampe Hampe C. Mueller Hedwig Bridel Wilson Schwaegrichen	<i>Sphacelaria</i> , Lyngbye S. paniculata	Suhr
<i>Cyathophorum</i> , Beauvois C. pennatum	Bridel	<i>Metachroma</i> , Harvey M. thujoides	Harvey
<i>Hypopterygium</i> , Bridel H. concinnum H. Novæ Zelandiæ	Bridel C. Mueller	<i>Dictyota</i> , J. Agardh D. paniculata	J. Agardh
LICHENES, MICHEL.		<i>Zonaria</i> , J. Agardh Z. interrupta	Agardh
<i>Usnea</i> , Dillenius U. florida	Acharius	<i>Halyscra</i> , Targioni H. Sonderi	Harvey & Mueller
<i>Ramalina</i> , Acharius R. pusilla R. fraxinea	Fries Acharius	<i>Ecklonia</i> , Hornemann E. exasperata	J. Agardh
<i>Peltigera</i> , Weber P. polydactyla	Hoffmann		
<i>Sticta</i> , Schreber S. aurata S. linearis S. cinereo-glaucæ	Acharius Taylor Hooker & Taylor		

<i>Macrocystis</i> , Agardh M. Dubenii	Areschoug	<i>Champia</i> , Desvaux C. Tasmanica	Harvey
<i>Sarcophycus</i> , Kuetzing S. potatorum	Kuetzing	<i>Plocamium</i> , Harvey P. angustum P. Mertensii P. costatum P. eoccineum	Harvey Harvey Agardh Lamouroux
<i>Chytraphora</i> , Suhr C. filiformis C. inermis	Suhr Sonder	<i>Hypnea</i> , Lamouroux H. episcopalis H. musciformis H. cystoclonoides	Hooker & Harvey Lamouroux Sonder
<i>Hormosira</i> , Endlicher H. Banksii	Decaisne	<i>Gelidium</i> , Greville G. glandulifolium G. aspernum	Harvey Greville
<i>Cystophora</i> , J. Agardh C. platylobium C. cephalornithos C. Grevillei C. retroflexa C. paniculata	J. Agardh J. Agardh J. Agardh J. Agardh J. Agardh	<i>Pterocladia</i> , J. Agardh P. lucida	J. Agardh
<i>Cystophyllum</i> , J. Agardh C. trinode	Sonder	<i>Melobesia</i> , Areschoug M. Patena	Hooker & Harvey
<i>Phyllospora</i> , Agardh P. comosa	Agardh	<i>Amphiroa</i> , Lamouroux A. elegans A. stellulata	Hooker & Harvey Decaisne
<i>Sargassum</i> , Agardh S. varians S. bifforme	Sonder Sonder	<i>Jania</i> , Lamouroux J. tenuissima	Sonder
<i>Callithamnion</i> , Lyngbye C. scoparium C. Muelleri C. griffithsioides C. amansioides	Hooker & Harvey Sonder Sonder Sonder	<i>Corallina</i> , Lamouroux C. Cuvierii	Lamouroux
<i>Seirococcus</i> , Greville S. axillaris	Greville	<i>Galaxaura</i> , Lamouroux G. marginata	Lamouroux
<i>Splachnidium</i> , Greville S. rugosum	Greville	<i>Gracilaria</i> , J. Agardh G. confervoides	Greville
<i>Ballia</i> , Harvey B. Brunonia	Harvey	<i>Melanthalia</i> , Montagne M. obtusata	Montagne
<i>Griffithsia</i> , Agardh G. setacea	Agardh	<i>Thysanocladia</i> , Endlicher T. laxa	Sonder
<i>Ptilota</i> , Agardh P. coralloidea	J. Agardh	<i>Phacelocarpus</i> , Endlicher and Diesing P. Labillardierii	J. Agardh
<i>Ceramium</i> , Lyngbye C. ramulosum C. rubrum C. fastigiatum C. isogonum	Hooker & Harvey Agardh Harvey Harvey	<i>Nitophyllum</i> , Greville N. multipartitum	Hooker & Harvey
<i>Corynospora</i> , J. Agardh C. Australis	Harvey	<i>Delesseria</i> , Greville D. rigida	Harvey
<i>Halophlegma</i> , Montagne H. Preissii	Sonder	<i>Bonnemaisonia</i> , Agardh B. elegans	Agardh
<i>Chrysomenia</i> , J. Agardh C. obovata	Sonder	<i>Erythroclonium</i> , Sonder E. Muelleri E. angustatum	Sonder Sonder
<i>Gigartina</i> , Lamouroux G. pistillata G. Radula	Lamouroux Agardh	<i>Lomentaria</i> , Lyngbye L. affinis L. opuntioides	Kuetzing Harvey
<i>Rhodocladia</i> , Sonder R. Lamberti	Sonder	<i>Laurencia</i> , Lamouroux L. Forsteri L. obtusa L. Tasmanica L. botryoides L. elata	Greville Lamouroux Hooker & Harvey Gaillon Harvey
<i>Rhodophyllis</i> , Harvey R. Gunnii	Harvey	<i>Asparagopsis</i> , Montagne A. armata	Montagne
<i>Areschougia</i> , Harvey A. conferta	Harvey	<i>Thamnoclonium</i> , Kuetzing T. hirsutum	Kuetzing
<i>Spyridia</i> , Harvey S. filamentosa	Harvey	<i>Polyphacum</i> , Agardh P. Smithii	Harvey

<i>Kuetzingia</i> , Sonder		<i>Rhytiphlea</i> , Agardh	
<i>K. canaliculata</i>	Sonder	<i>R. elata</i>	Harvey
<i>Thuretia</i> , Decaisne		<i>Polysiphonia</i> , Greville	
<i>T. quercifolia</i>	Decaisne	<i>P. Hystrix</i>	Hooker & Harvey
<i>Lenormandia</i> , Sonder		<i>P. Muellieri</i>	Sonder
<i>L. Muellieri</i>	Sonder	<i>P. cancellata</i>	Harvey
<i>Pollexfenia</i> , Harvey		<i>P. cladostephus</i>	Montagne
<i>P. pedicellata</i>	Harvey	<i>Dasya</i> , Agardh	
<i>Dictymenia</i> , Greville		<i>D. plumigera</i>	Harvey
<i>D. tridens</i>	Greville	<i>D. villosa</i>	Harvey
<i>Dictyurus</i> , Bory		<i>D. tingens</i>	Harvey & Mueller
<i>D. Muellieri</i>	Sonder	<i>Polyzonia</i> , Suhr	
		<i>P. incisa</i>	J. Agardh

The plants marked with an asterisk are not really indigenous, but introduced species, and are consequently omitted in the calculations made in the Report.