

A HANDBOOK  
OF THE PLANTS  
OF TASMANIA

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WARATAH

(*Telopea truncata*)

E. D. Spicer, del.

*D. J. Mitchell*

A HANDBOOK



PLANTS OF TASMANIA.

BY

THE REV. W. W. SPICER, M.A.,

FELLOW OF THE ROYAL SOCIETY OF TASMANIA, ETC.

Hobart Town:

J. WALCH AND SONS.

—  
1878.

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\*NOTE.—The reader is requested to mark the corrections as indicated on page xxiv.



“The principal object of the Flora of a country is to afford the means of determining (*i.e.* ascertaining the name of) any plant growing in it, whether for the purpose of ulterior study or of intellectual exercise. With this view a Flora consists of descriptions of all the wild or native plants contained in the country in question, so drawn up and arranged, that the student may identify with the corresponding description any individual specimens he may gather.”—*Bentham's Flora Austr., Intrd., Ch. I.*

## PREFACE.

HITHERTO a knowledge of the species of Tasmanian plants has been attainable only through the volumes of Sir J. D. Hooker, Baron F. von Mueller, and Mr. G. Bentham; all works of extraordinary merit, but costly and ponderous, or in other ways beyond the reach of the general public.\*

Under these circumstances, there appears to be room for the publication of a "Hand-Book," convenient in size and moderate in cost, which may enable the student in his excursions, or the man of business in his "evenings at home," to identify the plants of the colony.

As this is professedly an attempt to popularise Botany in Tasmania, I have been careful, in describing the parts of a plant, to avoid as far as may be the "hard words," which are the terror of beginners. At the same time it must not be forgotten that special parts and special functions *must* have special names; otherwise the memory would be loaded with descriptive sentences, and science would fall back into the state of chaos, which preceded the era of the great Linneus.

It is hoped that by the aid of the Glossary and the annexed drawings, the reader will find little difficulty in mastering such technical expressions, as it was absolutely necessary to introduce.

With a like view of facilitating study, the descriptions are arranged on the branched or binary system, first established by the French naturalist Lamarck. Under this system, a series of salient characteristics is laid before the reader in pairs, the members of each pair being as nearly as possible opposed in their terms, and each giving rise to a new pair in

\* The only recent contribution to a knowledge of our Island Flora (Mr. R. M. Johnston's Field Memoranda), stops short at the genera; the species are not described, except in the case of the Ferns.

like manner contradictory. The choice of these contradictions being left to the reader, he selects the member, which applies most nearly to his specimen, and then passes on to the next pair. It is evident, that sooner or later the several series of characters must be exhausted, and the name of the plant arrived at.\* The specimen being identified by this method, its true place in the Systematic Arrangement is pointed out; on turning to this (p. 100), some further particulars of interest will be found; such as the local name, and the principal localities in which the plant grows. References are also given to Bentham's *Flora Australiensis*, and Hooker's *Flora of Tasmania*, together with the synonyms employed by each of these writers.

The letters and figures following the names of the Natural Orders in the Systematic Arrangement are intended to indicate:—1. The number of species contained in the Order, so far as is known. 2. The number of species indigenous in Tasmania. 3. The principal home of the members of the Order; the portion of the globe, in fact, which may fairly be considered as the cradle of the family. It is thought that by comparing these particulars, the student may see at a glance the value of each Order in its relation to Tasmania; and also may be able to estimate roughly the probability of many of its members being found in the island.

No attempt has been made to define sub-species and varieties. To have done so would have largely increased the size of the volume, and added to its cost, without an adequate result. The *species* is the pivot on which all knowledge of a Flora turns; and the species being determined, its varieties may be ascertained, if required, from other sources.

It must be understood that the information given is intended

\* The method of using this system is explained at p. ix.

to apply solely to the Plants of Tasmania, native and introduced; although, of course, in several instances it is suitable to those of other lands, especially the neighbouring colonies. In connection with this part of the subject, I may mention that the difficulty of ascertaining what are, and what are not, indigenous species has been considerable. Of the bulk of the plants inhabiting the colony there can naturally be no question. Many species, however, have been introduced from time to time, and, having taken more or less kindly to their new home, have spread themselves far and wide. In this dilemma, I have followed the leadership of Baron F. von Mueller, whose knowledge of Australian and Tasmanian vegetation is unrivalled, and have accepted those only as native, which are included in his "census," published in 1875, in the Proceedings of the Royal Society of Tasmania.

Still there are numerous plants, which have thoroughly established themselves, and are as frequently met with as the natives; these "aliens" I have inserted in their proper places, distinguishing them from the true denizens of the soil by adding the initial (A). For the benefit of persons collecting for friends in the old country, or desirous of forming a special Herbarium, I have distinguished such plants as are peculiar to Tasmania, and also those common to Tasmania and Europe. To the former is attached the letter (T), to the latter (E). More extended investigations will probably tend to modify these lists, but, so far as I have been able to ascertain, they are correct to the present time.

It remains only to offer my sincere thanks to the many kind friends who have aided me in the progress of this work, by affording much local information, and by supplying me with fresh specimens from far-off spots, which my state of health has prevented me from visiting in person.

HOBART TOWN,  
*March, 1878.*

W. W. S.



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### DESCRIPTION OF EMBOSSED COVER.

On the embossed cover is represented the Peppermint (*Eucalyptus amygdalina*), one of the commonest of the native gum trees, being distributed abundantly throughout the Colony.

The insect accompanying it is *Eurymela spectrum*, a prettily-marked member of the Hemipterous Order. The Hemipters, of which the aphids or plant-lice are a familiar example, are furnished with stiff beaks, with which they pierce the bark and leaves of various plants for the purpose of extracting the juices. It is to the punctures of this and some other insects of the same Order, that the sweet white manna is due, which occurs in large quantities during the summer months on many of the gum trees.

The twining plant portrayed on the back of the volume is the pretty Blue Creeper (*Comesperma volubile*) so frequently met with in open heathy places, climbing among the low bushes, which it makes gay with its abundant bright blue flowers.

The Frontispiece shows a flowering-branch of the Waratah. The generic title of *Telopea* or "Seen from afar"—a reproduction, as it is said, of the aboriginal name—well expresses the brilliant beauty of its inflorescence. As this handsome species is peculiar to the island, no more fitting plant could greet the eye of the reader on opening a work, which treats of the Plants of Tasmania.

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## METHOD OF USING THE SYSTEM.

The Vegetable Kingdom is, by common consent, divided into two Sub-Kingdoms, known respectively as Phænogams and Cryptogams, or Flowering Plants and Flowerless Plants. The latter sub-kingdom embraces an almost countless host of ferns, mosses, seaweeds, &c. ; of which the first only, the ferns, come within the compass of the present work.

Flowering Plants fall into two classes, Exogens and Endogens. In the former the veins of the leaf are netted, and the numbers 4 and 5 prevail in the corolla and other parts of the flower ; whereas in Endogenous Plants the leaf veins are parallel, and the flower with its organs is generally separable into 3 or 6 parts.

Exogens branch into three groups, viz.,—Polypetals, in which the corolla is composed of at least 2 pieces ; Gamopetals, in which the parts of the corolla are combined so as to form a single piece ; and Apetals, in which the floral envelope is either single, the distinction of corolla and calyx being lost, or is altogether wanting.

Following these Primary Divisions are Orders, Genera, and Species.

As each of these groups of plants is founded on characters common to a large number of individuals, it is plain that if we can step by step eliminate all such characters as are foreign to the particular specimen we have in hand, retaining those only which belong to it as an individual, we shall gradually isolate it from its surroundings and ascertain its name.

It is on this principle that the system adopted in the following pages is based.

However, as “example is better than precept,” we will suppose that the reader is desirous of ascertaining the name of a plant, which turns out to be the well-known Clematis, so frequently met with in the bush, decorating the trees and shrubs with its white starry flowers.

Turning to the first pair of contrasted characters on page 1, we read as follows :—

1 Flowering plants, having stamens,\* pistils and seeds.

PHÆNOGAMS 2.

“ Flowerless plants, etc. CRYPTOGRAMS 123.

\* A full explanation of all technical terms, with explanatory figures, will be found in the Glossary, p. xvi.

Ours is of course a flowering plant or Phænogam, after which is placed the figure 2, so to that number we turn :—

2 Veins of leaf netted. Flower in 4 or 5 parts, etc.

EXOGENS 3.

" Veins of leaf parallel. Flower in 3 or 6 parts, etc.

ENDOGENS 107.

A glance at the leaves shows a surface of closely netted veins, and the flower is divided into 4, occasionally 5, parts; hence the plant is an Exogen, and we go to number 3 :—

3 Corolla and calyx distinct; the former usually conspicuous. 4.

" Corolla and calyx indistinguishable or wanting. APETALS 78.

There being but one "floral envelope," comprising both corolla and calyx, the specimen is Apetalous; we therefore pass at once to the bracket marked 78 :—\*

78 Stipules entirely or half sheathing the stem, etc., 79.

" Stipules normal or wanting. 80.

There are no stipules; 80 therefore is the next number to be looked for :—

80 Perianth conspicuous, etc. 81.

" Perianth obscure, etc. 83.

As the white perianth is decidedly conspicuous, we choose 81 :—

81 Stamens numerous, inserted under ovary, styles several, etc. RANUNCULÆ. 127.

" Stamens 2 or 4 inserted on perianth. Style 1, etc. 82.

The numerous stamens and styles show that we have reached the right Natural Order, Ranunculæ. The next point is to determine the Genus; for this we are directed to 127 :—

127 Leaves opposite, etc. CLEMATIS. 514.

" Leaves alternate or radical, etc. 128.

The opposite leaves prove the plant to be a Clematis; for the particular species we are referred to 514 :—

\* For the reader's convenience the numbers of the brackets contained in each page are indicated at the foot.

- 514 Stem herbaceous, erect, etc. C. GENTIANOIDES 1.  
 " Stem woody, climbing, etc. 515.

One more step is needful, for our specimen is a woody climber :—

- 515 Anthers with a long point, etc. C. ARISTATA 2.  
 " Anthers short, normal, etc. C. MICROPHYLLA 3.

The anthers have long narrow points ; consequently the plant is *Clematis aristata*. If the reader wishes to know something more about his specimen he will turn to Number 2 in the Systematic Arrangement. There he will find what is its true place among the plants of Tasmania, and also from whom it received the name it bears, viz., the illustrious Robert Brown. For a full description he is referred to Bentham's *Flora Australiensis*, Vol. I., p. 6 ; and to Hooker's *Flora of Tasmania*, Vol. I., p. 2 (where it is described as *C. coriacea*), and p. 3 (as *C. blanda*). Lastly he is informed, that the species grows abundantly throughout the island.

By this exhaustive process any native or acclimatised plant may be determined. The mode of search varies of course with each species ; but the principle is the same ; viz., to select from each bracketed pair of characters the set which best agrees with the specimen in hand, and then to pass on to the next pair, as indicated by the number following the branch selected, this proceeding being carried on until the desired species is reached.

The frequent turning from number to number may at first sight appear tedious ; but it is astonishing how quickly the student becomes acquainted with the characteristics of the various Primary Divisions, Natural Orders, etc., so as to be able, after a little practice, to land his specimen in the neighbourhood of its true locality, without wading through a mass of preliminary details.

\* \* \* The reader will observe that the numbers on the left hand side of the page run consecutively from 1 to 1132. Two of these numbers (410 and 786) have been accidentally omitted, and one (1091) is repeated. At page 100 this sequence ceases, the Systematic Arrangement commences, and each Order and Species is numbered in a regular series.

## THE HERBARIUM.

As the formation of an Herbarium is essential to a knowledge of Botany, the following suggestions are offered for the benefit of the inexperienced:—

1. COLLECTING.—Endeavour to obtain perfect specimens, *i.e.*, flowers, leaves, and (when possible) fruit and roots. Preserve small plants whole. No example of trees or shrubs should be less than 6 or 8 inches long. Of ferns, secure fertile, as well as barren, leaves.

To prevent the specimens from shrivelling, carry them in a tin box, or vasculum, slung over the shoulder.

2. DRYING.—As soon as possible examine the specimens collected, to ascertain their names and other necessary particulars. The only instruments required are a lens, pointed forceps, penknife, and a needle fixed in a short wooden stem. Choose for examination lately-expanded flowers, as the several parts are more perfect, and none are lost. Write on a scrap of paper the name of the plant, with place, and date of collecting. Lay the specimens with their distinguishing label between sheets of paper: newspapers do very well for the purpose. Experience alone can dictate the quantity of paper needed between each layer of specimens; but there should not be less than six folds. Of course, thick fleshy or woody plants require the most; the latter may often be slit down the middle, and one-half removed. If the specimen is too long for the paper, it can be divided; or, the upper portion can be bent back. Lay the heap of papers and specimens between two boards (or, better still, between two frames of hoop-iron, across which a netting of stout wire with one-inch meshes is stretched), placing on the upper one a weight sufficient to prevent the tender parts of the plants from shrivelling, but not so heavy as to squeeze them out of shape; a point to be settled only by practice. Stones, books, pieces of iron, etc., do well for weights; bricks, sewn up in canvas,

with a slight loop on the top, are excellent for the purpose, being uniform in size, and easily handled. In about a week change the drying papers, spreading the old ones out to dry. The bulk of the plants should be ready to put away in a fortnight from the time they were laid under the press.

3. MOUNTING.—Have a number of half-sheets of white paper ready, measuring 15" by 10" or 11", together with a supply of gummed paper cut into strips: the narrower and shorter the strips, the better is the appearance of the specimen. A sheet may contain two or three examples, but they must belong to the same species. To each sheet give a neat label bearing the name of the plant, the authority for the name, the locality where it was gathered, the name of the collector, the date of the collecting, and any other particulars of interest.

4. ARRANGING.—Place the specimens belonging to one species within a sheet of stout paper with the opening to the *left*, inscribing the name of the *species* on the lower right hand corner of the covering sheet. Then bring together all the species belonging to the same genus, and insert them into another sheet of similar paper with the opening to the *right*, and with the name of the *genus* on the lower left hand corner. Extensive genera and species must, of course, be subdivided. Arrange the genera scientifically (as is done in the "Systematic Arrangement" appended to the present work), and deposit them in order on shelves, or in such other way as is most convenient for future reference.

5. PRESERVING.—A few pieces of camphor kept among the papers will ward off the attacks of insects. A more effective method, when the Herbarium is not too large, is to brush over each specimen with a solution of perchloride of mercury (corrosive sublimate). But the surest safeguard is a frequent examination of the specimens themselves, and great care in keeping them dry.

## A FEW USEFUL HINTS.

1. Transverse sections disclose points of structure, such as the number of cells in an ovary, or the true outline of a fruit, leaf, or stem. Longitudinal sections are useful for ascertaining the relation of the perianth to the ovary (whether superior or inferior); the insertion of the stamens; the shape of the receptacle; the presence of glands, scales, and similar processes.

2. The symmetry of a corolla, if at all doubtful, may be determined by dividing it longitudinally. A section made in *any* direction through the centre of a Regular corolla will produce equal and similar moieties; whereas an Irregular flower can be divided in *one* direction only, to produce equal halves.

3. The relation of the stamens to the surrounding parts can be ascertained by removing the calyx and corolla. If the stamens come away with either one or other of these, their attachment is manifest. If however they remain behind, a longitudinal section will show whether they are inserted on the ovary or on the receptacle.

4. When the parts of a plant are suppressed or hidden (as, for instance, the veins in a fleshy or conical leaf), characters must be drawn from other sources. Thus, if the leaf is narrowed at the base, and evidently joined with the stem so as to drop off after death, the plant is usually an Exogen; whereas a leaf with a broad base, passing insensibly into the stem and adhering after death, almost as surely indicates an Endogen. Furthermore, in the latter class, the stem is almost always simple; there is no clear distinction between the petals and sepals, or between the bark and the inner substance of the stem; nor does it contain a single native tree or bush, with the exception of a Grass-tree (*Xanthorrhæa*).

5. Peculiarities of structure are sometimes so prominent, that a specimen may be detected almost at a glance. For

instance, a fruit covered with bristly hairs belongs to *Sicyos*, *Daucus*, some species of *Galium*, and *Cynoglossum*. A spurred corolla marks *Fumaria*, *Viola*, *Vellera*, *Linaria*, and *Utricularia*. Leaves clothed with stinging hairs are peculiar to *Urtica*. The only parasitic genera are the leafless climbers *Cuscuta* and *Cassytha*. A fruit with a long beak denotes *Scandix* and all the *Geraniaceæ*, except *Oxalis*.

Indeed, a whole Order may sometimes be recognised by easily-remembered characters. In *Cruciferae* there are 4 petals in the form of a cross, together with 6 stamens, of which 2 are shorter. The corolla of *Stackhouseæ* is entire above, but slit into five divisions at the base; that of the *Leguminosæ* (except *Acacia*) has the peculiar structure called "papilionaceous."\* *Casuarineæ* are known by the toothed sheaths of the leafless branches; *Droseraceæ* by the stalked glands on the leaves; *Polygalæ* by the silky comet-like tuft of hairs on each seed. *Sanguisorbeæ* and *Polygonæ* are the only native land-plants with sheathing stipules. *Violeæ*, *Compositæ*, *Lobeleæ*, and *Solaneæ* are distinguished by the combined anthers. The stamens and styles of *Stylideæ* and *Orchideæ* are united, so as to form a column. The style of *Borragineæ*, *Labiatae*, and several *Epacrideæ* is sunk deeply into the fruit. The stigma of *Apocynæ* is shaped like an hour-glass; that of *Goodeniaceæ* and *Brunoniaceæ* is protected by a conspicuous fleshy cup. *Lemnaceæ* are mere scale-like floating discs, with a single rootlet suspended from the lower side.

These are a few examples: the list might, if necessary, be greatly extended.

\* The Common Pea and Bean are examples of this form of corolla.

## GLOSSARY.

*Adpressed*, in close contact to another body, but not adhering.

*Alternate*, placed one above the other on a stem. Fig. 2, 3.

*Angled*, having two or more projecting edges. Fig. 1.

*Anther*, the body at the summit of the filament, containing the pollen. Fig. 4<sup>a</sup>, 10<sup>a</sup>, 33<sup>a</sup>.

*Arrow-shaped*, extending at the base into two pointed lobes. Fig. 2.

*Ascending*, having an upward direction from a slanting base.

*Awn*, a bristle-like process, arising from the back or summit. Fig. 5<sup>a</sup>.

*Axillary*, arising from the point where the leaf joins the stem. Fig. 6<sup>a</sup>.

*Barren*, not bearing fruit.

*Beak*, a hard straight terminal point. Fig. 7<sup>a</sup>.

*Bearded*, having tufts of hair on the surface.

*Bell-shaped*, shortly tubular, broad at base, and gradually enlarging. Fig. 8.

*Bisexual*, having stamens and pistils in the same flower. Fig. 4, 10.

*Bract*, an altered leaf, situated just below the flower. Fig. 9<sup>a</sup>, 19<sup>a</sup>, 32<sup>a</sup>.

*Bristle*, a short stiff hair. \*

*Bristly*, slender, cylindric.

*Calyx*, the outermost of the floral envelopes, usually green. Fig. 8<sup>a</sup>, 9<sup>b</sup>, 27<sup>a</sup>.

*Catkin*, a flower spike, in which the florets have neither calyx nor corolla, and the whole falls off in one piece. Fig. 11.

*Cells*, cavities in the interior of the body. Fig. 12.

*Clustered*, several together. Fig. 19, 28.

*Coloured*, not green.

\* In the Cyperaceæ the bristles are barbed, and situated within the perianth, at the base of the ovary. Fig. 10<sup>c</sup>.



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*Combined*, united in one body.

*Concave*, hollow above, rounded below.

*Cone*, the fruit of the pine tree.

*Conical*, tapering upwards from a broad base. Fig. 14<sup>a</sup>.

*Convex*, rounded above.

*Corolla*, the innermost of the floral envelopes, usually coloured.

Fig. 8<sup>b</sup>, 9<sup>c</sup>, 27<sup>b</sup>.

*Cylindric*, having a circular section, free from angles. Fig. 13.

*Decumbent*, spreading on the ground, and then turning upwards.

*Divided*, when the incision reaches to the midrib. Fig. 15.

*Egg-shaped*, oblong, but pointed above. Fig. 16.

*Entire*, having an undivided margin. Fig. 3<sup>a</sup>, 6<sup>b</sup>.

*Exceeding*, longer than.

*Feathery*, crowned with numerous hairs; or, having numerous hairs branching from the side.

*Female*, having pistils only, and no stamens.

*Fertile*, bearing fruit.

*Filament*, the stalk of the anther. Fig. 4<sup>b</sup>, 10<sup>b</sup>.

*Fleshy*, firm, cellular, juicy.

*Florets*, the separate flowers of a head or spike. Fig. 5, 17.

*Free*, not adhering to another body.

*Fringed*, having a hairy margin, or summit. Fig. 15, 18.

*Fruit*, the ripe ovary, containing the seeds. Fig. 7, 19<sup>b</sup>, 30<sup>c</sup>, 32<sup>b</sup>.

*Funnel-shaped*, tubular, but gradually enlarging upwards. Fig. 20.

*Glands*, small fleshy lobes, usually within the flower.

*Gland-dotted*, studded with minute pellucid impressions. Fig. 22.

*Glandular*, clothed with hairs, tipped with a viscid secretion. Fig. 23.

*Glumes*, the two lowest scales in the flower of a grass. Fig. 5<sup>b</sup>.

*Head*, a cluster of sessile, or nearly sessile flowers. Fig. 17.

*Heart-shaped*, longer than broad, with two rounded lobes at base. Fig. 21.

*Hood-shaped*, having the summit enlarged, concave, and turned inwards.

*Incurved*, turned or rolled upwards.

*Indusium*, a membrane, situated either over or under the fruit of many ferns. Fig. 24<sup>a</sup>, 26<sup>a</sup>, 31<sup>b</sup>.

*Inferior*, situated below the ovary, or fruit. Fig. 4.

*Irregular*, when the parts are unequal in size, and dissimilar in appearance. Fig. 6<sup>c</sup>, 27.

*Irritable*, moving suddenly when touched.

*Jointed*, appearing to be divided into joints. Fig. 29<sup>a</sup>.

*Lanceolate*, widest in the middle, and tapering at each end. Fig. 3<sup>ab</sup>.

*Lateral*, attached to the side. Fig. 17<sup>a</sup>, 35<sup>a</sup>.

*Ligule*, a membrane situated at the summit of a leaf-sheath in grasses. Fig. 29<sup>b</sup>.

*Linear*, narrow, with parallel margins. Fig. 6<sup>b</sup>.

*Lipped*, divided into two unequal parts; an upper and a lower lip. Fig. 27.

*Lips*, the two parts of a lipped corolla. Fig. 27<sup>c d</sup>; or, the lowest petal of an orchid.

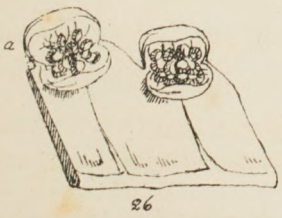
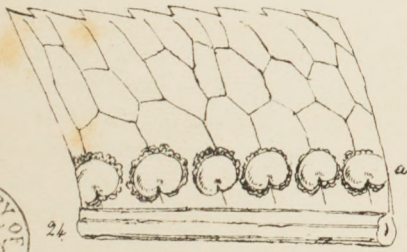
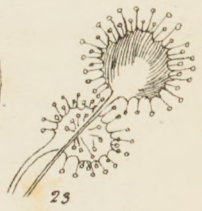
*Lobe*, a portion or segment. Fig. 25<sup>a</sup>.

*Lobed*, divided, but not to the midrib. Fig. 25.

*Male*, having stamens only, and no pistil.

*Midrib*, the central prominent vein. Fig. 3<sup>c</sup>.

*Netted*, combined and interlaced. Fig. 24; or, having numerous intricate raised lines on the surface.



E. D. Spicer, del.



*Normal*, when the structure differs from, or is opposed to, that named in the accompanying paragraph.

*Oblong*, broad, blunt at each end. Fig. 18.

*Opposite*, in pairs, on opposite sides of the stem. Fig. 6.

*Ovary*, the base of the pistil, containing the ovules, or young seeds, and gradually developing into the fruit. Fig. 4<sup>c</sup>, 10<sup>d</sup>, 12.

*Pales*, two scales, an upper and a lower, enclosing the stamens and pistils in the florets of grasses. Fig. 5<sup>c</sup>.

*Panicle*, a flower, in which the stalks of the florets are irregularly branched and of varying lengths. Fig. 28.

*Pappus*, a ring of hairs or scales surmounting the fruit. Fig. 30<sup>a</sup>, 32<sup>c</sup>.

*Perianth*, the calyx and corolla, especially when blended together.

*Persistent*, remaining on the organ beyond the usual period.

*Petals*, the parts of a corolla. Fig. 9<sup>c</sup>.

*Pinnules*, the ultimate divisions of a fern leaf. Fig. 31<sup>a</sup>.

*Pistil*, the female system in a flower, consisting of stigma, style and ovary. Fig. 4<sup>c</sup>, 10<sup>d</sup>, 12.

*Pores*, circular apertures at the summits of some anthers. Fig. 33<sup>b</sup>.

*Pungent*, terminating in a sharp piercing point.

*Raceme*, a flower, in which the florets are stalked, and arranged on a simple stem. Fig. 3<sup>d</sup>.

*Radical*, arising from the base of the stem.

*Receptacle*, the organ on which the fruit is seated. Fig. 14<sup>a</sup>, 32<sup>l</sup>.

*Recurved*, turned or rolled to the lower side.

*Reflexed*, bent downwards. Fig. 27<sup>c</sup>.

*Regular*, when all the parts are equal in size, and similar in appearance. Fig. 8, 9.

*Ribbed*, having one or more prominent ribs.

*Ribs*, prominent, nearly parallel, longitudinal veins.

- Scale-like*, no larger than scales.
- Scaly*, clothed with scales, usually dry and shrivelled. Fig. 37.
- Scarious*, having a dry shrivelled appearance.
- Sepals*, the parts of a calyx. Fig. 9<sup>b</sup>.
- Sessile*, having no stalk. Fig. 6<sup>b</sup>.
- Sheath*, the lower part of a leaf surrounding the stem. Fig. 29<sup>c</sup>; not unfrequently the blade of the leaf is wanting. Fig. 34<sup>a</sup>.
- Sheathing*, embracing the stem. Fig. 29<sup>c</sup>.
- Simple*, undivided, but often toothed or lobed. Fig. 39, 40.
- Spike*, a flower, in which the florets are sessile on a simple stem; or, a collection of spikelets. Fig. 35.
- Spikelet*, a collection of florets, especially in grasses and sedges. Fig. 5, 35<sup>a</sup>.
- Spur*, a hollow cylindric extension. Fig. 36<sup>a</sup>.
- Stamen*, the male system in a flower, consisting of anther and filament. Fig. 4<sup>a b</sup>, 10<sup>a b</sup>.
- Stigma*, the summit of the pistil. Fig. 4<sup>d</sup>, 10<sup>f</sup>.
- Stipules*, scales or small leaves, usually tapering, situated at the base, and on each side of, the leaf-stalk. Fig. 15<sup>a</sup>.
- Strap-shaped*, having a long narrow lobe or lip. Fig. 30<sup>b</sup>, 40<sup>a</sup>.
- Style*, the stalk of the stigma, connecting the latter with the ovary. Fig. 10<sup>e</sup>.
- Superior*, situated above the ovary or fruit. Fig. 8, 20.
- Tendrils*, flexible, clasping organs for climbing. Fig. 25<sup>b</sup>.
- Terminal*, situated at the summit. Fig. 3<sup>d</sup>.
- Toothed*, having the margin slightly cut. Fig. 16, 25.
- Tube*, the part of the calyx or corolla below the lobes. Fig. 8, 27, 38.
- Tubular*, cylindric, hollow. Fig. 38.
- Tufted*, when several bodies arise from one point.
- Umbel*, a flower in which the stalks of the florets arise from one point and are equal in length. Fig. 19<sup>b</sup>.





*Unisexual*, when the stamens and pistils are in separate flowers.

*Valved*, separated into two opposite pieces. Fig. 26<sup>a</sup>.

*Wavy*, when the margin is uneven, alternately concave and convex. Fig. 39.

*Wedge-shaped*, broad at the summit, and tapering towards the base. Fig. 40<sup>b</sup>.

*Whorled*, forming a ring round a common axis. Fig. 9<sup>b</sup> <sup>c</sup>, 41.

*Winged*, having a broad thin border. Fig. 42.



## SIGNS.

' for a foot.

" for an inch.

''' for a line.

These when appended to numbers, indicate height or length, as the case may be.

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 TABLE OF ABBREVIATIONS.

A. An Alien, or introduced plant.

Afr. Africa.

Am. America.

Austr. Australia.

Bass Strait. Islands from Flinders' to King's.

C. Cape.

Cosmop. Cosmopolite, or one found in most parts of the world.

E. Common to Tasmania and Europe.

Eur. Europe.

f. Figured in Hooker's Flora of Tasmania.

Hem., Hemisphere.

I. Island.

L. Lake.

M. Mount or Mountain.

N. North.

R. River.

Reg. Regions.

S. South.

S. A. Systematic Arrangement.

Sp. Number of Species in the Order.

Subtrop. Subtropical.

T. (after the name of a species), Peculiar to Tasmania.

T. (among the localities), Town.

Tasm. Number of Species found in Tasmania.

Temp. Temperate.

Trop. Tropical.

W. West, Western.

## LIST OF AUTHORITIES FOR SPECIFIC NAMES.

A. Gray, Gray, Asa.	Litt. Littlejohn.
Ait. Aiton.	Mart. Martens.
Andr. Andrews.	Meisn. Meisner.
Arch. Archer, W.	Mert. Mertens and Koch.
B. * Bentham, George.	Mey. Meyer, E.
Back. Backhouse.	Mich. Michaux.
Banks. Banks, Sir Jos.	Mill. Millar.
Bern. Bernhardi.	Miq. Miquel.
Blume. Blume.	Mirb. Mirbel.
Boiss. Boissier.	Muell. Mueller, Baron, F. von.
Boott. Boott.	Murr. Murray.
Br. Brown, Robert.	Nees. Nees von Esenbeck.
Braun. Braun.	Nutt. Nuttall.
Brongn. Brogniart, Adolphe.	Otto. Otto and Dietrich.
Bunge. Bunge.	Pal. Palisot de Beauvois.
Cass. Cassini.	Pers. Persoon.
Cav. Cavanilles.	Planch. Planchon.
Cunn. Cunningham.	Poir. Poiret.
Curt. Curtis.	Presl. Presl.
Cyr. Cyrille.	Rap. Rapin.
D. C. DeCandolle.	Reich. Reichenbach.
Desf. Desfontaines.	Reiss. Reissek.
Desv. Desvaux.	Rich. Richard.
Don. Don.	Rohrb. Rohrbach.
Dry. Dryander.	Rudge. Rudge.
Dum. Dumortier.	Ruiz. Ruiz and Pavon.
Edw. Edwards.	Sal. Salisbury.
Endl. Endlicher.	Schau. Schauer.
Eng. Engelmann.	Scop. Scopoli.
Fenzl. Fenzl.	S. Hil. S. Hilaire.
Frst. Forster.	Sibth. Sibthorpe.
Gaert. Gaertner.	Sieb. Sieber.
Gaud. Gaudichaud.	Sims. Sims.
H. † Hooker, Sir J. D.	Sm. Smith, Sir James.
Haw. Haworth.	Sol. Solander.
Henck. Henckel.	Sond. Sonders.
Hensl. Henslow.	Spach. Spach.
Herb. Herbert.	Spreng. Sprengel.
Hk. Hooker, Sir William.	Spring. Springer.
Horn. Hornemann.	Steetz. Steetz.
Huds. Hudson.	Stu. Stuart, Charles.
Humb. Humboldt.	Sweet. Sweet.
Jrm. Jrmisch.	Swz. Swarz.
J. Sm. Smith, John.	Thnb. Thunberg.
Kipp. Kippist.	Thu. Thuillier.
Knth. Kunth.	Trin. Trinius.
L. Linneus.	Vahl. Vahl.
Lab. Labillardière.	Vent. Ventenat.
Lam. Lamarc.	Wahl. Wahlenberg.
Lehm. Lehmann.	Walp. Walpers.
Less. Lesson.	Wend. Wendland.
Lf. Linneus, the younger.	Wigg. Wiggers.
L'Her. L'Heritier.	Willd. Willdenow.
Lind. Lindley.	Wulf. Wulfen.
Link. Link.	

\* The numbers following this initial represent the volumes and pages of the Flora Australiensis. † The numbers following this initial represent the volumes and pages of the Flora of Tasmania.



## CORRECTIONS.

- In page 2, line 35, after "stamens" read "usually."  
In page 4, line 4, for "simple" read "normal."  
In page 5, line 17, for "cylindric" read "angular."  
In page 10, line 16, for "and" read "or."  
In page 15, line 8, for "511" read "516."  
In page 16, line 36, for "nearly or quite" read "usually."  
In page 17, line 8, after "styles" read "4."  
In page 17, line 30, after "australasica" read "S.A."  
In page 20, line 17, for "Flowers" read "Fruit."  
In page 20, line 26, after "stem" read "often."  
In page 22, line 17, for "coarse, usually rough" read "usually coarse, rough."  
In page 30, line 6, for "Leaves" read "Flowers."  
In page 31, line 10, after "Anagallis" read "(arvensis, S.A. 549.)"  
In page 33, line 40, after "Flowers" read "usually."  
In page 35, line 18, for "BELLENDEN" read "BELLENDENA."  
In page 35, line 33, for "1-seeded, stem" read "1-seeded. Stem."  
In page 38, line 23, for "2 stalked" read "2, stalked."  
In page 48, line 39, for "Planted" read "Plant."  
In page 50, line 40, for "BETONICAFOLIA" read "BETONICÆFOLIA."  
In page 54, line 30, for "Leavy" read "Leaves."  
In page 60, bottom line, for "671" read "667."  
In page 61, line 5, for "varnished" read "shining."  
In page 61, line 43, for "usually," read "nearly."  
In page 61, bottom line, for "860," read "680."  
In page 64, line 6, for "2" read "2'."  
In page 79, line 15, for " $\frac{1}{4}$  to  $\frac{1}{2}$ " read " $\frac{1}{4}$ " to  $\frac{1}{2}$ ."  
In page 94, line 18, for "BREVICULINIS" read "BREVICULMIS."  
In page 108, line 20, after "clover" read "(A.)"  
In page 126, line 31, for "Barragineæ," read "Borragineæ."  
In page 139, line 43, for "Jordon," read "Jordan."



# HAND-BOOK

OF THE



## Plants of Tasmania.

### PRIMARY DIVISIONS.

- 1 Flowering plants, having stamens, pistils, and seeds. PHENO-  
GAMS 2.
- " Flowerless plants, without stamens, pistils, or seeds. (All are  
herbaceous, except a few Fern trees.) CRYPTOGAMS 123.
- 2 Veins of leaf netted. Flower in 4 or 5 parts. Stipules common.  
Bark and stem distinct. (All the trees and shrubs belong  
to this division, except Xanthorrhæa.) EXOGENS 3.
- " Veins of leaf parallel. Flower in 3 or 6 parts. Stipules rare.  
Bark not separate from stem. Leaves usually long and  
narrow. ENDOGENS 107.
- 3 Corolla and calyx distinct; the former usually conspicuous. 4.
- " Corolla and calyx indistinguishable or wanting. APETALS 78.
- 4 Corolla in two or more pieces, usually inferior. Stamens rarely  
inserted on corolla. POLYPETALS 5.
- " Corolla in one piece. Stamens usually inserted on corolla.  
GAMOPETALS 52.

### NATURAL ORDERS.

- 5 Leaves gland-dotted, usually smooth and simple. Stipules  
wanting, or soon falling. 6.
- " Leaves normal. 9.
- 6 Herbs. Perianth inferior. Calyx of 5 sepals. Petals 5,  
yellow. Stamens numerous. Styles 3. Leaves opposite  
entire. HYPERICÆ (Hypericum japonicum, S.A., 82).
- " Trees or Shrubs. 7.

- 7 Calyx of 2 sepals. Perianth inferior. Stamens numerous. Style wanting. Fruit fleshy, black, many-seeded. Leaves alternate, simple, hot to the taste. MAGNOLEÆ (Drimys aromatica, S.A., 21).
- " Calyx 4 or 5-lobed. Style conspicuous. Fruit dry. Leaves usually opposite. 8.
- 8 Perianth distinctly inferior. Petals 4 or 5. Stamens 4 to 10, inserted under ovary. Fruit in 2 to 5 separate parts. RUTACEÆ 161.
- " Perianth partly or wholly superior. Petals 5. Stamens 5 to many, inserted on ovary or calyx. Fruit undivided. MYRTACEÆ 205.
- 9 Corolla irregular. Perianth inferior. Bracts usually present. 10.
- " Corolla regular. 13.
- 10 Corolla prolonged into a spur. Style straight. Leaves alternate or radical. 11.
- " Corolla normal. Style usually incurved. Leaves usually alternate. 12.
- 11 Leaves much divided. Flowers in racemes. Stipules wanting. FUMARIACEÆ (Fumaria officinalis, S.A., 23).
- " Leaves simple. Flower solitary. Stipules present. VIOLEÆ (Viola, 142).
- 12 Sepals 5 free; of which 2 are large, pink or blue. Petals 3. Stamens 8, combined. Fruit wedge-shaped. Seeds with long silky hairs. Leaves entire. Stipules wanting. POLYGALEÆ (Comesperma 542).
- " Sepals usually combined, 5-lobed. Petals 4 or 5. Stamens 10. Fruit a pod. Seeds smooth. Stipules usually present. LEGUMINOSÆ 169.
- 13 Trees or shrubs. 14.
- " Herbs. 32.
- 14 Stamens 50 to 200, conspicuous yellow. Perianth very small. Fruit a long pod. Leaves usually entire, often pungent. LEGUMINOSÆ (Acacia 169).
- " Stamens less than 50. Perianth conspicuous. Fruit normal. 15.
- 15 Leaves divided alternate. 16.
- " Leaves undivided, often quite entire. 18.
- 16 Plant densely woolly. Flowers 1 to 3, with 2 to 3 narrow bracts. Leaves wedge-shaped, 3 to 5-lobed. Stamens 5. Stipules wanting. UMBELLIFERÆ (Xanthosia 214).
- " Plant smooth or nearly so. 17.
- 17 Stamens numerous, inserted on calyx. Flowers clustered, bisexual. Stipules present. Stem prickly. Styles several. ROSACEÆ 192.
- " Stamens 5 inserted on ovary. Flowers umbelled, usually unisexual. Stipules wanting. Stem normal. Styles 2 or 3. ARALIACEÆ (Panax 686).

- 18 Leaves alternate. 19.  
 " Leaves, most or all, opposite or whorled. Perianth inferior. Stipules wanting or soon falling. 27.
- 19 Petals scale-like, minute, often concave, not exceeding calyx, greenish. Leaves usually woolly, and with recurved margins, 20.  
 " Petals normal, usually conspicuous. 21.
- 20 Stipules wanting. Stamens 5, inserted under ovary, alternate with petals. Anthers opening by terminal pores, fixed at base. STERCULIACEÆ (*Lasiopetalum* 555).  
 " Stipules present. Stamens 4 or 5, inserted on perianth, opposite petals. Anthers normal, fixed at back. RHAMNEÆ 165.
- 21 Petals red, large, 4. Flowers solitary, inferior. Stamens 8. Anthers opening by terminal pores. Style 1. Stipules wanting. TREMANDREÆ (*Tetralthea* 546).  
 " Petals never red, rarely 4. Flowers often superior. 22.
- 22 Fruit in 2 to 15 distinct parts. Flowers sessile or on recurved stalks. Petals 5, yellow. Stamens 6 to many. Leaves usually linear, hairy. DILLENEÆ (*Hibbertia* 521).  
 " Fruit normal, or if divided in upright racemes. Perianth inferior. 23.
- 23 Leaves with closely recurved margin, narrow linear, 1" to 1½". Stipules wanting. Flowers terminal clustered. Fruit dry, nearly globular, wrinkled, brown. Petals 4 to 6, white. Stamens numerous. EUPHORBICEÆ (*Ricinocarpus pini-folius*, S.A., 720).  
 " Leaves flat, usually broad, ½" to 6". 24.
- 24 Stipules present. Petals 5, white. Stamens numerous. Filaments combined. Leaves often hairy. Flowers usually unisexual. MALVACEÆ (*Plagianthus*, in part, 155).  
 " Stipules wanting. Stamens 5 to 10. Filaments free. Leaves quite smooth. Flowers bisexual. 25.
- 25 Flowers in terminal racemes, white. Fruit entire or in several parts. SAXIFRAGEÆ 197.  
 " Flowers not so constructed, rarely white. Fruit entire. 26.
- 26 Anthers combined in a tube, nearly sessile, fringed at top. Petals free, yellow. Fruit fleshy, 1 to 2-seeded. Style very short. VIOLEÆ (*Hymenanchera banksii*, S.A., 49).  
 " Anthers free normal. Petals often partially combined. Style normal. PITTOSPOREÆ 143.
- 27 Plant spiny. Petals small concave. Branches green. RHAMNEÆ (*Discaria australis*, S.A., 138).  
 " Plant and petals normal. 28.
- 28 Leaves veinless or hairy, entirely or on margin only. Petals usually 4 small, pink or greenish. 29.  
 " Leaves normal, smooth. Petals 4 to 10, usually conspicuous. 31.

- 29 Leaves linear, with strongly recurved margin, hairy, under 1". Calyx tubular. Stem prostrate. Fruit dry. FRANKENIACEÆ (*Frankenia pauciflora*, S.A., 64).  
 " Leaves broad flat. Calyx simple. Stem erect. Petals 4. 30.
- 30 Leaves whorled, fringed, nearly round, under 1". Petals large, red. Fruit dry. TREMANDREÆ (*Tetratheca ciliata*, S.A., 61).  
 " Leaves opposite, smooth, 1" to 1½". Petals minute. Fruit fleshy, coloured. OLEACEÆ (*Notelea ligustrina*, S.A., 551).
- 31 Petals 4 or 5, with 3 to 12 lobes, white. Style 1. Fruit fleshy, red or blue. TILIACEÆ 157.  
 " Petals 4 to 10, entire, white or pink. Styles 2. Fruit usually dry. SAXIFRAGEÆ 197.
- 32 Leaves, at least the lower, opposite or whorled.\* 33.  
 " Leaves alternate or radical, rarely a few opposite. 42.
- 33 Stipules present, usually conspicuous. Perianth inferior. 34.  
 " Stipules wanting. 37.
- 34 Leaves with 2 leaflets, fleshy. Flowers in 4 to 5 parts, yellow, solitary. Stamens 8 to 10, exceeding petals. Stipules in pairs, entire. Style and ovary angled. Stem sometimes woody at base. ZYGOPHYLLEÆ (*Zygophyllum* 557).  
 " Leaves simple, normal. Flowers in 2 to 5 parts, white to pink. 35.
- 35 Flowers in 3 to 4 parts, sessile, solitary. Stipules minute, soon falling. Stem rooting smooth. Water plants. ELATINEÆ (*Elatine minima*, S.A., 81).  
 " Flowers in 5 parts, stalked, clustered. Stipules dry, silvery, persistent. Stem normal. Land plants. 36.
- 36 Calyx white petal-like. Petals white, very minute. Flowers unisexual. Stem 2" to 6", smooth, much branched. EUPHORBICEÆ (*Poranthera microphylla*, S.A., 725).  
 " Calyx normal. Petals white or red, usually conspicuous. Flowers bisexual. Stems 4" to 12", usually downy. ILLECEBREÆ 151.
- 37 Leaves fleshy, smooth, often crowded, entire, united at base. Fruit sometimes divided or fleshy. 38.  
 " Leaves normal. Fruit undivided, dry. 39.
- 38 Leaves linear, 1" to 2" long. Perianth inferior. Petals 3 to 4, minute. Fruit in 3 to 5 parts. Plant minute, obscure, often pinkish. CRASSULEÆ (*Tillæa* 636).  
 " Leaves 3-angled, ½" to 2" long. Perianth superior. Petals numerous, conspicuous, red. Fruit entire, fleshy. Stem prostrate, thick, 1' to 2'. MESEMBRYACEÆ (*Mesembryanthemum* 213).

\* In Haloragææ, in which the leaves are sometimes alternate, the flowers are minute axillary, stipules are wanting, and the stamens are 4 or 8.

- 39 Perianth superior. Flowers in 2 to 4 parts. Anthers fixed at base. Upper leaves usually alternate. Leaves sometimes divided. 40.
- " Perianth inferior. Flowers in 4 to 6 parts. Anthers fixed at back. Leaves simple. Seeds numerous. 41.
- 40 Style wanting. Stigmas 4, feathery. Flowers obscure, minute, often unisexual. Leaves often divided. Fruit oblong or rounded, one-seeded. HALORAGACEÆ 201.
- " Style 1. Stigma 1, normal. Flowers conspicuous, pink or yellow, bisexual. Leaves simple. Fruit  $\frac{1}{2}$ " to  $\frac{3}{4}$ ", many-seeded. Seeds often silky. ONAGREÆ 212.
- 41 Calyx of 5 sepals, or 5 lobes. Petals 5. Stamens 4 to 10, inserted under ovary. Styles 3 to 5. Stems swollen at joints. Branches cylindrical. CARYOPHYLLEÆ 146.
- " Calyx of 8 or 16 lobes. Petals 4 or 6 red. Stamens 8 or 12, inserted on calyx. Style 1. Stems normal. Branches cylindrical. LYTHRACEÆ (Lythrum 672).
- 42 Leaves clothed with red stalked glands, spiral in bud. Flowers in 5 parts, inferior. Stamens 5. Styles 3 to 5. Fruit egg-shaped. Seeds numerous in a loose netted coat. DROSERACEÆ (Drosera 639).
- " Leaves and flowers normal. 43.
- 43 Flowers umbelled, usually enclosed by bracts. Perianth superior. Calyx usually minute or wanting. Petals 5. Stamens 5. Fruit dry, of 2 one-seeded parts. Leaves sheathing. Stipules rarely present. UMBELLIFERÆ 214.
- " Flowers normal. Perianth inferior. Calyx usually conspicuous. 44.
- 44 Stipules present. Leaves often divided, never entire. 45.
- " Stipules wanting. 47.
- 45 Fruit in several distinct parts, spread over the receptacle, each part one-seeded. Calyx-lobes with alternate outer bracts. Stamens and styles numerous. Flowers yellow or white. ROSACEÆ 192.
- " Fruit in 2 to 15 parts, combined round the style, one to many-seeded. Calyx normal. Flowers usually pink. 46.
- 46 Stamens combined in a column, 10 or numerous. Style 1, branched. Stems normal. MALVACEÆ 155.
- " Stamens free, or combined at base only, 10. Anthers often only 5. Styles 5, normal. Stemjoints often swollen. Flowers opposite the leaves. GERANIACEÆ 158.
- 47 Stamens 20 or more, inserted under ovary. Corolla conspicuous. Leaves lobed or divided. Sepals distinct. Style very short or wanting. 48.
- " Stamens few, 3 to 6. 49.

- 48 Sepals 3 to 5. Petals 5, yellow or white. Stigma beaked.  
Fruit in several distinct one-seeded parts. Buds erect.  
Plant smooth or hairy. RANUNCULÆE (Ranunculus 127).
- " Sepals 2, soon falling. Petals 4, red. Stigmas sessile radiating.  
Fruit entire, many seeded. Buds nodding. Plant rough,  
bristly. PAPAVERACEÆ (Papaver aculeatum, S.A., 22).
- 49 Calyx of 2 sepals. Petals 4 or 5. Stamens 3 to 5. Style 1.  
Stigmas 3. Leaves entire, often fleshy. PORTULACÆE 153.
- " Calyx of 4 or 5 sepals or lobes. 50.
- 50 Flowers in 4 parts, racemed. Stamens 6, of which 2 are shorter.  
Style 1, very short or wanting. Fruit 2 to many-seeded.  
Leaves usually divided. Sepals distinct. CRUCIFERÆ 130.
- " Flowers in 5 parts.\* Stamens 5. Styles 5. Leaves entire. 51.
- 51 Leaves alternate. Calyx normal. Petals blue. Stamens  
inserted under ovary. Fruit many-seeded, globose. Sepals  
distinct. LINEÆ (Linum marginale, S.A., 94).
- " Leaves radical. Calyx pink, 5-lobed. Petals yellow, short.  
Stamens inserted on petals. Fruit one-seeded. PLUMBA-  
GINEÆ (Statice taxantheme, S.A., 548).
- 52 Flowers consisting of several florets in a dense head, surrounded  
by whorled bracts. Corolla 4 or 5-lobed, superior. Stipules  
wanting. 53.
- " Flowers normal. 55.
- 53 Leaves opposite, much divided. Stamens 4, inserted on corolla,  
free. Calyx-lobes with 5 bristles. Corolla slightly irregular.  
DIPSACÆE (Scabiosa atropurpurea, S.A., 330).
- " Leaves alternate or radical; or if opposite simple. Stamens 5. 54.
- 54 Stigma solitary, in a cup. Leaves radical, entire. Florets blue,  
inferior, nearly regular. Flowers terminal, solitary, on a  
naked stalk. Calyx normal, hairy, with long narrow lobes.  
Plant silky, 1'. Anthers free. Stamens inserted under  
ovary. BRUNONIACEÆ (Brunonia australis, S.A., 483).
- " Stigmas 2, normal. Florets rarely blue, superior. Calyx of  
numerous hairs or scales, or wanting. Anthers combined  
round the style. Stamens inserted on corolla. COMPOSITÆ  
233.
- 55 Stamens 2, combined with style in a column, inserted on ovary,  
often curved and irritable. Corolla usually irregular, superior,  
5-lobed. Leaves usually radical, crowded, simple. Stipules  
wanting. Fruit many-seeded. STYLIDÆE 279.
- " Stamens 2 to 10, not so constructed. 56
- 56 Corolla irregular. Stipules wanting. Stamens usually inserted  
on perianth. 57.
- " Corolla regular. 63.

- 57 Calyx of 2 sepals. Corolla slit on upper side, minute, white, inferior. Stamens 3 to 5. Stem prostrate, 1" to 6". Leaves mostly opposite, simple. PORTULACÆ (Montia, S.A., 80).  
 " Calyx 4 or 5 lobed; or if 2-lobed, with a lipped corolla. 58.
- 58 Stamens 5. Perianth usually superior. Corolla usually slit. Leaves alternate, rarely radical. 59.  
 " Stamens 2 or 4. Perianth inferior. Corolla rarely slit. Leaves often opposite or radical. 60.
- 59 Stigma in a cup, smooth. Corolla blue or yellow. Stamens inserted on ovary. Anthers smooth, usually free. GOODENIACÆ 283.  
 " Stigma normal, usually hairy. Corolla blue. Stamens inserted on perianth. Anthers more or less hairy, combined. LOBELEÆ 282.
- 60 Fruit of 4 small one-seeded nuts, with style sunk in the centre. Stem usually square. Flowers usually whorled. Stamens 4, of which 2 are shorter. Anthers 2 or 4. Leaves whorled or opposite, usually aromatic. LABIATÆ 325.  
 " Fruit normal, 2 to many-seeded, with style at top. Stem cylindric. 61.
- 61 Calyx of 2 to 4 lobes in pairs. Leaves radical or wanting. Corolla lipped, spurred. Stamens 2. Marsh plants. LENTIBULACÆ 324.  
 " Calyx 4 or 5-lobed. Leaves usually scattered. Stamens 2 or 4. 62.
- 62 Corolla in 4 or 5 parts, often lipped, rarely nearly regular. Calyx 4 or 5-lobed. Leaves opposite or radical; if alternate, densely cottony below. Stamens inserted on corolla tube. Fruit dry. SCROPHULARIACÆ 315.  
 " Corolla in 4 parts, nearly regular, lower lobe largest. Calyx 5-lobed. Leaves alternate smooth. Stamens inserted at base of corolla. Fruit fleshy, globose. Tree. MYOPORACÆ (Myoporum 868).
- 63 Stipules present, often leaf-like, 2 to 6. Flowers small. Calyx sometimes wanting. Perianth superior. Stamens 4 to 5, inserted on corolla. Leaves opposite or apparently whorled. Stem sometimes square. RUBIACÆ 228.  
 " Stipules wanting. Stem cylindric. 64.
- 64 Trees or shrubs. Anthers free. 65.  
 " Herbs. 69.
- 65 Leaves opposite. 66.  
 " Leaves alternate. Flowers usually in 5 parts. Perianth inferior. Stamens 5 to 10, inserted on corolla or under ovary. 68.

- 66 Leaves much divided. Perianth superior. Stigmas 3 to 5, sessile. Fruit fleshy, white, 3 to 5-seeded. CAPRIFOLIACEÆ (Sambucus gaudichaudiana, S.A., 314).
- " Leaves entire. Perianth inferior. Stigma 1. 67.
- 67 Flowers in 4 parts. Corolla hairy without. Stamens 8, inserted under ovary. Stigma normal. Fruit dry, in 4 parts. RUTACEÆ (Correa 163).
- " Flowers in 5 parts. Corolla hairy within. Stamens 5, inserted on corolla. Stigma hourglass-shaped. Fruit fleshy, red, 1-seeded; or dry in 2 long many-seeded parts. APOCYNÆÆ 304.
- 68 Stamens 10. Anthers opening by terminal pores, fixed at base. Corolla globose or egg-shaped; lobes recurved. Style sunk in fruit. Fruit 5-celled, many-seeded. Leaves broad, lanceolate to roundish. ERICEÆ 287.
- " Stamens 5. Anthers normal, fixed at back. Corolla tubular to bell-shaped. Fruit 2 to 10-celled, 2 to many-seeded. Leaves not so constructed, often stiff. EPACRIDÆÆ 288.
- 69 Leaves rough alternate. Fruit 1-seeded, often rough. 70.
- " Leaves not rough, sometimes wanting. 71.
- 70 Stem weak, climbing, with tendrils. Corolla attached to calyx, and similar to it. Perianth superior. Leaves triangular or lobed. Stamens combined in a column. CUCURBITÆÆ (Sicyos angulata, S.A., 284).
- " Stem erect, normal. Corolla conspicuous, normal. Perianth inferior. Leaves entire, lanceolate or linear. Stamens free. BORRAGINEÆ, 313.
- 71 Flowers in 4 parts, minute, white or brown. Perianth inferior. Stamens 4. 72.
- " Flowers in 5 parts, rarely 4, very conspicuous. Stamens 5. 73.
- 72 Leaves opposite, entire. Flowers solitary or clustered. Calyx 2 or 4-lobed. LOGANEÆ (Mitrasacme 839).
- " Leaves radical or scattered. Flowers usually in dense spikes. Calyx 4-lobed. PLANTAGINEÆ (Plantago 873).
- 73 Perianth superior. Corolla large, bell-shaped, blue. Leaves narrow alternate. Stamens inserted on ovary. Style 1, hairy. Stigmas 3, downy. Fruit opening by terminal pores, many-seeded. CAMPANULEÆ (Wahlenbergia 783).
- " Perianth inferior. Corolla rarely bluish. Stamens usually inserted on corolla. 74.
- 74 Anthers combined, opening by terminal pores. Fruit round, fleshy, usually black or yellow. Leaves usually lobed or divided, alternate. Stem 1' to 6', often woody below. Style 1. SOLANEÆ (Solanum 852).
- " Anthers free, normal. Fruit dry. Leaves simple. 75.

- 75 Corolla-tube with 5 openings at base. Corolla much exceeding calyx. Flowers in terminal spikes. Stamens 3 long and 2 shorter. Styles 3. Leaves alternate, linear, entire, sessile. Anthers fixed at base. STACKHOUSEÆ (*Stackhousia* 572).
- " Corolla normal. Stamens normal. Style 1. Anthers fixed at back. 76.
- 76 Anthers opposite corolla-lobes. Flowers solitary axillary. Leaves alternate and opposite. Fruit many-seeded. PRIMULEÆ. 303.
- " Anthers alternate with corolla-lobes. 77.
- 77 Stem erect. Flowers often in 4 parts. Fruit many-seeded. Leaves alternate and opposite. GENTIANÆÆ 305.
- " Stem prostrate or twining. Flowers normal. Fruit 1 to 4-seeded. Leaves alternate or wanting. Juice often milky. CONVULVULÆÆ 309.
- 78 Stipules entirely or half sheathing the stem. Stamens inserted on perianth. Fruit one-seeded. Leaves alternate. Stem often woody. 79.
- " Stipules normal or wanting. 80.
- 79 Leaves simple. Stipules sheathing throughout, scarious. Perianth inferior. Stamens 5 to 8. Styles 3. POLYGONÆÆ. 334.
- " Leaves much divided. Stipules sheathing at base only, normal. Perianth superior. Stamens 2 to 30. Style 1. SANGUISORBEÆÆ 195.
- 80 Perianth conspicuous, usually brightly colored or white, inferior. Stipules wanting. 81.
- " Perianth obscure, usually green or yellowish, often scarcely visible, or altogether wanting. 83.
81. Stamens numerous, inserted under ovary. Styles several. Perianth of 4 to many free spreading lobes. Fruit in many parts. Leaves rarely simple. Nearly all are herbs. RANUNCULÆÆ 127.
- " Stamens 2 to 4 inserted on perianth.\* Style 1. Perianth of 4 linear upright lobes, combined or free. Fruit normal. Leaves rarely divided. Trees or shrubs. 82.
- 82 Perianth cylindric, with spreading tips. Stamens 2 or 4 normal. Style inserted on one side of ovary. Leaves normal entire. Fruit one-seeded, membranous or fleshy. Seed normal. THYMELEÆÆ 343.
- " Perianth lobes usually free or nearly so. Stamens 4, inserted on concave tips of perianth. Style terminal. Leaves dry harsh. Fruit one or many-seeded, woody or fleshy. Seeds usually winged. PROTEACEÆÆ 344.

\* Except in the case of *Bellendena* 351.

- 83 Plant leafless, or with a few minute scales. 84.  
 " Plant leafy. 87.
- 84 Stem jointed, 4" to 8" high, with opposite branches. Flowers minute, sunk in the joints. Stamens 1 or 2. Seaside plants. CHENOPODEÆ (Salicornia 894).  
 " Stems normal. Flowers exposed. 85.
- 85 Herb twining, parasitic. Flowers clustered. Stamens 12. Style 1. Fruit fleshy, 1-seeded, round. Anthers opening by side valves. LAURACEÆ (Cassytha 896).  
 " Trees or shrubs. Stamens less than 6. Anthers normal. 86.
- 86 Branches with toothed sheaths at joints. Stamen 1. Styles 2. Fruit dry, conelike. Seeds several, black, shining, winged. CASUARINEÆ (Casuarina 925).  
 " Branches normal. Stamens 5. Style 1. Fruit fleshy, one-seeded. SANTALEÆ 365.
- 87 Flowers and fruit in cones or catkins. Trees or shrubs. Unisexual. 88.  
 " Flowers and fruit normal. 89.
- 88 Stipules present. Leaves broad, toothed, spreading, alternate. Perianth superior. Stamens 5 to 20. Styles 3. Fruit of 2 or 4 one-seeded nuts, enclosed in a hard case. CORYLACEÆ (Fagus 931).  
 " Stipules wanting. Leaves scale-like adpressed, or rarely linear or wedge-shaped. Perianth wanting. Stamens numerous, scale-like. Styles wanting. Fruit cone-like. CONIFERÆ 367.
- 89 Leaves all much divided, with linear lobes, densely whorled, sessile. Flowers minute, solitary, unisexual, with an 8 to 12-parted bract. Perianth wanting. Anthers 12 to 20, sessile. Style 1. Water plant. CERATOPHYLLEÆ (Ceratophyllum demersum, S.A., 728).  
 " Leaves all, or upper only, simple. 90.
- 90 Leaves gland-dotted or woolly beneath. Trees or shrubs. 91.  
 " Leaves normal, smooth. Stamens usually few. 93.
- 91 Plant, especially the leaves, woolly. Flowers in large spreading panicles. Stamens 5, inserted on perianth. Stipules soon falling. RHAMNEÆ (Pomaderris 165).  
 " Plant quite smooth. Leaves gland-dotted. Stamens more than 5. Stipules wanting. 92.
- 92 Flowers clustered, bisexual. Perianth cap-shaped, entire, soon falling. Bracts wanting. Style 1. Fruit entire smooth. Leaves usually alternate, entire, normal. MYRTACEÆ (Eucalyptus 661).  
 " Flowers solitary, unisexual. Perianth normal, 8-lobed. Bracts 2, conspicuous, silky. Styles several. Fruit in several parts, silky. Leaves opposite, toothed, paler beneath. MONIMLIACEÆ (Atherosperma moschatum, S.A., 664).

- 93 Fruit enclosed in fleshy perianth or bracts; or fleshy globular coloured. Flowers usually paniced, rarely solitary. Perianth 2 to 5-lobed, inferior. Stamens 1 to 5, inserted under ovary. Anthers fixed at base. Styles 2 or 3. Leaves simple, often nearly white. Stipules wanting. CHENOPODEÆ 338.
- " Plant not so constructed. 94.
- 94 Trees or shrubs. Leaves alternate. 95.
- " Herbs. 96.
- 95 Fruit with broad wings. Stamens 8 to many, inserted on receptacle. Anthers reddish. Styles and stigmas numerous. SAPINDEÆ (Dodonæa 585).
- " Fruit normal, of 3 combined nuts separating when ripe. Stamens 1 to 10. Anthers often yellow. Styles 2 or 3. EUPHORBIACEÆ 357.
- 96 Stem and leaves abounding in milky juice. Petals wanting. Bract bell shaped, calyx-like. Stamen 1. EUPHORBIACEÆ (Euphorbia 357).
- " Stem and leaves normal. 97.
- 97 Leaves opposite, whorled or radical. 98.
- " Leaves alternate. 102.
- 98 Leaves clothed with stinging hairs, opposite, toothed. Stipules present. Stamens 4 or 5. Flowers in axillary clusters. URTICEÆ (Urtica 335).
- " Leaves normal. Stipules wanting. 99.
- 99 Perianth obscure superior, or wanting. Stamens 1 to 8. Stigmas 2 to 5, usually feathery. Flowers often unisexual. Leaves often divided. HALORAGEÆ 201.
- " Perianth conspicuous, 5-lobed, inferior. Stamens 1 to 5. Flowers bisexual. Leaves simple. 100.
- 100 Flowers white, in dense globular axillary heads. Bracts 2 or 3, scarious. Stamens 3 to 5. Style 1. Stem prostrate. AMARANTEÆ (Alternanthera denticulata, S.A., 647).
- " Flowers green, not in axillary heads. 101.
101. Perianth tubular, hard. Stamens 1 or 2, inserted on perianth. Styles 2. Stems densely tufted. SCLERANTHEÆ (Scleranthus 895).
- " Perianth normal spreading. Stamens 5, inserted under ovary. Styles 4 or 5. Stem usually spreading. CARYOPHYLLEÆ. 146.
- 102 Leaves broader below, or nearly round. 103.
- " Leaves, at least the upper, linear, or broader above. 104.
- 103 Leaves 2" to 4", triangular or broadly egg-shaped. Stamens numerous. Styles 4 to 5. Flowers bisexual. MESEMBRYACEÆ (Tetragonia 213).
- " Leaves  $\frac{1}{4}$ " to 1", nearly round or egg-shaped. Stamens 1 to 4. Style 1. Flowers unisexual. URTICEÆ 355.

- 104 Flowers in long racemes, bisexual. Lower leaves much divided. Perianth inferior. Stamens 2. Style 1. Fruit 2 or 4-seeded. Stem erect. CRUCIFERÆ (*Lepidium ruderales*, S.A., 41).
- " Flowers 1 or 2 together. Leaves all simple. Stamens 3 to 9. 105.
- 105 Flowers nodding, all turned one way, unisexual. Stamens 8 or 9. Perianth inferior. Stem erect. PHYTOLACCEÆ (*Didymotheca thesioides*, S.A., 633).
- " Flowers normal, bisexual. Stamens 3 to 5. Stem prostrate. 106.
- 106 Perianth inferior. Stamens inserted under ovary. Stigmas 2 or 3. Bracts, stiff, scarious. AMARANTEÆ 336.
- " Perianth superior. Stamens inserted on perianth. Stigma 1. Bracts herbaceous. SANTALÆ (*Thesium australe*, S.A., 731).
- 107 Perianth coloured conspicuous corolla-like, of 6 whorled pieces, usually withering. Flowers usually bisexual. 108.
- " Perianth brown or green, rarely yellowish, inconspicuous, calyx-like, rarely whorled, of 2 to 6 pieces, often wanting. Flowers often unisexual. 114.
- 108 Perianth inferior. Stamens 6,\* opposite perianth-lobes. Ovary free. 109.
- " Perianth superior, or half superior. 110.
- 109 Flowers in a dense globular head; outer lobes free, brown; inner combined, bright yellow, with spreading tips. Anthers 3. Fruit dry, many-seeded. Leaves stiff rush-like. XYRIDÆ (*Xyris*, 994).
- " Flowers not so constructed. Fruit sometimes fleshy. LILIACÆ 400.
- 110 Perianth irregular,† usually brightly coloured; lower lobe or lip usually very dissimilar. Stamen and style combined, opposite lip. Ovary one-celled, often twisted. Seeds numerous, minute, with a loose netted coat. Leaves often scale-like or wanting. ORCHIDÆ 375.
- " Perianth regular; lip wanting. Stamens 3 or 6, inserted on perianth. Style free. Ovary 3-celled. Seed coat normal. 111.
- 111 Stamens 3. Perianth mainly blue, white or yellow. Style 1. 112.
- " Stamens 6. Perianth yellow or greenish. Stigmas 3. Ovary 3-celled. 113.

\* Except in *Hewardia*, where they are 3.

† Except in *Thelymitra*; but the combined stamen and style mark its place. 104-111

- 112 Flowers in a compact terminal head, yellow. Flower-stem simple, 2" to 4". Bracts short. Anthers opposite inner perianth-lobes. Stigma 1, simple. HÆMODOREÆ (*Hæmodorum distichophyllum*, S. A., 824).
- Flowers not so constructed, blue or white; outer lobes usually larger. Flower stem 6" to 24". Bracts more or less embracing flowers. Anthers opposite outer perianth-lobes. Stigmas 3. IRIDEÆ 398.
- 113 Leaves 1 or 2. Perianth-lobes broadest in middle, smooth. Anthers normal. Styles 3. Root fibrous. Plant smooth. AMARYLLIDEÆ (*Campynema lineare*, S. A., 821).
- " Leaves more than 2. Perianth normal. Anthers arrow-shaped. Style 1. Root bulbous. Plant often hairy. HYPOXIDEÆ (*Hypoxis* 984).
- 114 Flowers in a dense brown velvety spike, unisexual; male florets above, female below. Stamens numerous. Fruit stalked, one-seeded. Stem erect, 3' to 6'. Marsh or water plants. TYPHACEÆ (*Typha* 1012).
- " Flowers not so constructed. Florets usually few. 115.
- 115 Plant minute, scale-like, stemless, floating. Root solitary. LEMNACEÆ (*Lemna* 1014).
- " Plant normal. 116.
- 116 Perianth wanting, or very obscure. Flowers rarely bisexual.\* Leaves submerged. Water plants. NAJADEÆ 420.
- " Perianth present, usually conspicuous. 117.
- 117 Perianth-lobes whorled. Sheaths on stem wanting, except at base. 118.
- " Perianth-lobes of alternate overlapping scales, or terminal bracts; if whorled, with sheaths on stem at intervals. 120.
- 118 Perianth superior, 3 or 6-lobed. Flowers unisexual; male minute, sessile at base of leaves; female solitary, on a long leafless stem. Leaves whorled or radical, submerged. Water plants. HYDROCHARIDEÆ 374.
- " Perianth inferior. Flowers bisexual; † normal. 119.
- 119 Perianth-lobes 6, stiff, scarious; or 3 inner herbaceous. Anthers normal. Stigmas 3. Fruit dry or fleshy. Seeds 3 to many. JUNCEÆ 415.
- " Perianth-lobes 2 to 6, herbaceous. Anthers nearly sessile. Stigma 1, lobed. Fruit dry, of 4 one-seeded parts. Marsh or water plants. POTAMEÆ 419.

\* The bisexual genera are *Ruppia* and *Posidonia*.

† Except *Xerotes* 416.

- 120 Leaf-sheaths entire. Flowers in terminal and lateral spikelets. Anthers fixed at base, entire. Stem, at least when young, flattened or angled. Ligule wanting. Fruit often with bristles at base. CYPERACEÆ 433.
- " Leaf-sheaths slit to base. Flowers in terminal spikelets. Anthers fixed at back. Stem rarely flattened, not angled. Fruit without bristles. 121.
- 121 Stem hollow, jointed, swollen at joints. Flowers usually bisexual. Stamens 1 to 4. Anthers notched. Stigmas 2, feathery. Ligule present. GRAMINEÆ 449.
- " Stem solid; joints wanting, or quite at base. Stamens 1 to 3. Anthers entire. Stigmas 1 to 3. Ligule wanting. 122.
- 122 Flowers in 4 to 6 brown scarios scales, unisexual. Stamens 2 or 3. Ovary 2 or 3-celled. Plant leafless, 1' to 6'. RESTIACEÆ 425.
- " Flowers in 4 herbaceous bracts, or naked, bisexual. Stamens 1 to 6. Ovaries one to many, distinct, each one-celled. Plant normal,  $\frac{1}{2}$ " to 3". CENTROLEPIDIACEÆ 430.
- 123 Fruit situated on back or margin of leaf. Leaves more or less broad flat, unfolding spirally. Land plants. POLYPODEÆ 484.
- " Fruit not so situated. Leaf usually long narrow, normal. 124.
- 124 Fruit seated at base of leaf. Marsh or water plants. MARSILEÆ 512.
- " Fruit elevated on a stem or on summit of a branch. 125.
- 125 Seed vessels combined, back to back, on a naked bractless stem. Stem tufted, with thick fleshy roots. OPHIOGLOSSACEÆ 508.
- " Seed vessels not so constructed. 126.
- 126 Fruit elevated on a branched bractless receptacle. Leaves simple or branched, stiff, rush-like. POLYPODEÆ (*Schizæa* 1122).
- " Fruit not so situated. Leaves normal, usually scale-like. Fruit usually within bracts. LYCOPODEÆ 509.

## GENERA.

- 127 Leaves opposite, usually of 3 leaflets. Stem usually woody, climbing. Corolla wanting. Perianth petal-like. Styles long, feathery. Stamens numerous. CLEMATIS 514.
- " Leaves alternate or radical. Stem herbaceous. Styles smooth. 128.
- 128 Corolla present, usually yellow. Style usually hooked. Leaves usually alternate. RANUNCULUS 511.
- " Corolla wanting. Perianth white petal-like. Leaves mainly radical. 129.
- 129 Bracts 3, leaf-like, whorled. Stamens numerous. Style hooked. Leaves divided. Stem silky. ANEMONE (crassifolia, S.A., 4).
- " Bracts wanting. Stamens 10. Style straight. Leaves simple, sheathing. Stem smooth. CALTHA (introloba, S.A., 11).
- 130 Corolla yellow or brownish. 131.
- " Corolla white or lilac; rarely wanting. 135.
- 131 Plant hairy. Leaves divided or toothed. Stem 1' to 2'. Seeds 1 rowed. 132.
- " Plant smooth. 133.
- 132 Plant rough. Fruit spreading, beaked,  $1\frac{1}{2}$ " to 2", stalked. Flowers conspicuous. BRASSICA (sinapistrum, S.A., 32).
- " Plant hairy. Fruit closely pressed to stem, normal,  $\frac{1}{2}$ ", nearly sessile. Flowers minute. SISYMBRIUM (officinale, S.A., 31).
- 133 Leaves narrow linear, 1" to  $1\frac{1}{2}$ ", entire, rarely slightly lobed. Petals linear, tapering, often twisted. Fruit oblong erect. STENOPETALUM (lineare, S.A., 34).
- " Leaves divided. Petals normal, bright yellow. 134.
- 134 Fruit cylindrical,  $\frac{1}{2}$ " to 1". Sepals spreading. Seeds in 2 rows. Stem cylindrical. NASTURTIUM (palustre, S.A., 24).
- " Fruit flattened, 1" to  $1\frac{1}{2}$ ". Sepals erect. Seeds in 1 row. Stem angular. BARBAREA (vulgaris, S.A., 26).
- 135 Fruit much longer than broad. Corolla often lilac. 136.
- " Fruit scarcely longer than broad. Corolla white. 138.
- 136 Fruit conical, 2-edged, 2-jointed, opening across; each joint 1-seeded. Two of the sepals swollen at base. Corolla lilac. Plant fleshy, bluish, maritime. CAKILE (maritima, S.A., 44).
- " Fruit linear flattened, opening lengthways. Sepals normal. 137.
- 137 Stem hollow, prostrate, rooting. Fruit cylindrical. Seeds in 2 rows, swollen. Water plant. NASTURTIUM (officinale, S.A., 25).
- " Stem normal, erect. Fruit flattened. Seeds in 1 row, flat. Land plants. CARDAMINE 529.

- 138 Leaves simple. Plant with branched hairs. 139.  
 " Leaves more or less divided, especially the lower ones. 140.
- 139 Stem leaves clasping. Fruit normal, downy. Seeds 20 to 24,  
 in 2 rows. *DRABA* (*muralis*, S.A., 33).  
 " Stem leaves normal. Fruit winged, smooth. Seeds 6 to 10.  
*THLASPI* (*tasmanicum*, S.A., 43).
- 140 Flowers in short clusters at base of leaves. Fruit nearly  
 rounded, 2-seeded. Leaves often spreading. Stem wanting.  
*SENEBIERA* 536.  
 " Flowers in conspicuous racemes. Fruit egg-shaped or trian-  
 gular. Stem erect. 141.
- 141 Fruit many-seeded. Stem 2" to 6". *CAPSELLA* 532.  
 " Fruit 2-seeded. Stem 1' to 2'. *LEPIDIUM* 534.
- 142 Herb. Corolla irregular, blue or white. Stipules conspicuous.  
 Fruit dry, many-seeded. *VIOLA* 537.  
 " Shrub. Corolla regular, yellow. Stipules wanting. Fruit fleshy,  
 1 or 2-seeded. *HYMENANTHERA* (*banksii*, S.A., 49).
- 143 Corolla spreading, white or pink. Calyx of 5 lobes. Fruit  
 dry. 144.  
 " Corolla more or less tubular, never pink. Calyx of 5  
 sepals. 145.
- 144 Leaves flat. Flowers clustered. Fruit flattened. Stem 20' to  
 40', usually spiny. *BURSARIA* (*spinosa*, S.A., 52).  
 " Leaves with recurved margins. Flowers 1 to 3 together. Fruit  
 swollen. Stem 3" to 12", often decumbent, never spiny.  
*MARIANTHUS* (*procumbens*, S.A., 53).
- 145 Stem twining. Fruit fleshy, opening irregularly. Style thread-  
 like. *BILLARDIERA* 541.  
 " Stem erect, 20' to 40'. Fruit dry, opening lengthways. Style  
 normal. *PITTIOSPORUM* 540.
- 146 Stems densely tufted, moss-like. Leaves tufted, crowded,  
 linear. Petals wanting. Styles 4 or 5. Fruit many-seeded.  
*COLOBANTHUS* (*billardieri*, S.A., 74).  
 " Stems erect or spreading. Leaves distinctly opposite. 147.
- 147 Calyx 5-lobed, tubular, hairy. Stamens 10. Stem erect. 148.  
 " Calyx of 5 sepals, spreading, nearly or quite smooth. Petals  
 deeply divided, white, rarely wanting. Stamens 5 to 10.  
 Stem usually weak. Fruit sessile. 149.
- 148 Calyx shorter than corolla. Flowers rarely solitary, white or  
 spotted. Styles 3. Fruit 6-lobed, stalked. *SILENE* (*gallica*,  
 S.A., 65).  
 " Calyx exceeding corolla. Flower solitary, pink. Styles 5.  
 Fruit 5-lobed, normal. *GITHAGO* (*segetum*, S.A., 66).

- 149 Leaves hairy, often glandular, sessile, blunt. Stamens 5 to 10. Fruit 4 to 10-lobed, cylindric, curved, much exceeding calyx. CERASTIUM (glomeratum, S.A., 67).  
 " Leaves smooth or nearly so, often stalked, usually pointed. Fruit normal. 150.
- 150 Sepals 5. Stamens 10. Styles 3. Fruit 6-lobed. Petals usually present. STELLARIA 548.  
 " Sepals 4. Stamens usually 8. Styles. Fruit 4-lobed. Petals wanting. Leaves smooth, united at base. Stem 1" to 2". SAGINA (procumbens, S.A., 68).
- 151 Leaves with a broad flat surface; lower whorled. Petals minute, notched. Stamens 3 to 5. Styles 3. POLYCARPON (tetraphyllum, S.A., 77).  
 " Leaves linear. Petals conspicuous, entire. Stamens 5 to 10. 152.
- 152 Styles 3. Corolla pink. Fruit 3-valved. Leaves opposite. SPERGULARIA (rubra, S.A., 75).  
 " Styles 4 or 5. Corolla white. Fruit 5-valved. Leaves often whorled. SPERGULA (arvensis, S.A., 76).
- 153 Leaves mostly opposite, oblong, much narrowed at base. Petals combined, with slit tube, white. Stamens 3 to 5, inserted on top of corolla tube. Fruit 3-seeded. MONTIA (fontana, S.A., 80).  
 " Leaves mostly alternate or radical. Petals free. Stamens usually 5. 154.
- 154 Flowers minute, pinkish, in a loose raceme. Stamens free. Leaves linear to oblong. Fruit many-seeded. CALANDRINIA (calyptrata, S.A., 79).  
 " Flowers conspicuous, white, 1 or two together. Stamens inserted on corolla. Leaves narrow, enlarged upwards. Fruit 3-seeded. CLAYTONIA (australasica 78).
- 155 Bracts wanting. Corolla white or green. Fruit in 2 to 5 parts. Leaves much longer than broad, usually woolly. Flowers usually unisexual. PLAGIANTHUS 553.  
 " Bracts conspicuous. Corolla pink. Fruit in 6 to many parts. Leaves nearly round, usually lobed. Flowers bisexual. 156.
- 156 Bracts 3, distinct. Leaves smooth. Stem 1' to 3', erect or prostrate, herbaceous. MALVA 552.  
 " Bracts combined, 3-lobed. Leaves downy. Stem 5' to 10', woody at base. LAVATERA (plebeja, S.A., 85).
- 157 Petals 3-lobed. Flower stalk long, jointed. Leaves usually opposite, 1" to 3". Fruit red. Shrub 2' to 5'. Stamens 10 to 12. ARISTOTELIA (peduncularis, S.A., 92).  
 " Petals 10 to 12-lobed. Flowerstalk normal. Leaves usually alternate, 3" to 5". Fruit blue. Tree 20' to 60'. Stamens numerous. ELÆOCARPUS (cyaneus, S.A., 93).

- 158 Leaves of 3 leaflets. Flowers yellow or white, regular. Fruit normal. Anthers 10. OXALIS 558.
- " Leaves normal. Flowers pink, rarely white. Fruit with a long beak. 159.
- 159 Leaves lengthened, with many distinct lobes. Flowers clustered. Petals entire. Anthers 5. Beak of fruit silky inside. ERODIUM (cicutarium, S.A., 98).
- " Leaves nearly round. 160.
- 160 Leaves entire, or slightly lobed. Upper petals broader. Sepals lengthened at base. Flowers clustered. Anthers 5 to 7. Fruit-beak silky inside. PELARGONIUM (australe, S.A., 99).
- " Leaves deeply lobed. Petals equal. Sepals normal. Flowers 1 or 2 together. Anthers 10. Fruit-beak smooth inside. GERANIUM (dissectum, S.A., 97).
- 161 Leaves alternate simple. Petals 4 or 5. Stamens 8 or 10, usually hairy. ERIOSTEMON 566.
- " Leaves opposite, often divided. 162.
- 162 Petals 5, downy outside. Leaves of 3 leaflets, toothed at end, smooth. Stamens 10, smooth. ACRADENIA (frankliniæ, S.A., 112).
- " Petals 4. Stamens 4 or 8. 163.
- 163 Corolla tubular, hairy. Petals often combined. Stamens 8, smooth, the alternate ones exceeding corolla. Leaves entire. Ovary hairy. Plant woolly. CORREA 559.
- " Corolla spreading. Petals free. Stamens 4 or 8, shorter than corolla. Ovary often smooth. 164.
- 164 Petals white. Stamens 4, smooth. Leaves of 3 leaflets. ZIERIA 561.
- " Petals usually red. Stamens 8, often hairy. Leaves simple or divided. BORONIA 562.
- 165 Leaves smooth, small. Petals concave, enclosing anthers. Receptacle cup-like, much exceeding ovary. 166.
- " Leaves woolly. 167.
- 166 Leaves opposite, few. Stem spiny, erect. Flowers stalked. DISCARIA (australis, S.A., 138).
- " Leaves alternate. Stem normal, decumbent. Flowers almost sessile. CRYPTANDRA 584.
- 167 Petals shorter than anthers or wanting. Flowers stalked, in large spreading panicles. Bracts soon falling. Style 3-lobed. Stipules wanting or soon falling. POMADERRIS 575.
- " Petals exceeding, and usually enclosing, anthers. Flowers sessile, in a close head. Bracts persistent, brown. Style simple. Stipules adpressed, persistent, dark. 168.
- 168 Receptacle tubular; tube much exceeding ovary. Calyx soon falling. STENANTHEMUM (leucophractum, S.A., 135).
- " Receptacle tapering downwards; tube not exceeding ovary. Calyx usually persistent. SPYRIDUM 578.

- 169 Corolla regular, usually minute. Stamens numerous, free, much exceeding perianth. Flower in 3 to 5 parts. *ACACIA* 614.
- " Corolla irregular. Stamens 10, enclosed in perianth. Flower in 5 parts. 170.
- 170 Leaves simple, rarely wanting. 171.
- " Leaves divided. 181.
- 171 Filaments all free. Shrubs. 172.
- " Filaments combined; or 9 combined and the upper one free. 177.
- 172 Branches leafless, or rarely with narrow linear leaves, smooth. Bracts wanting. Buds drooping. Fruit nearly round, 1 or 2-seeded. Stipules wanting. *SPHEROLOBIUM* (vimineum, S.A., 141).
- " Branches normal. 173.
- 173 Leaves mostly whorled, with slightly recurved margins. Flowers yellow. Upper petal spreading widely. Fruit egg-shaped, swollen, silky, 8 to 10-seeded. Stipules wanting. Plant downy. *OXYLOBIUM* (ellipticum, S.A., 163).
- " Leaves not whorled. Fruit 1 or 2-seeded. 174.
- 174 Leaves either stout spiny,  $\frac{1}{2}$ " to 1"; or flat egg-shaped, 2" to 3", and very bitter. Bracts persistent, at base of flower-stalk. Fruit flat, stalked, triangular. Calyx with nearly equal teeth. *DAVIESIA* 586.
- " Leaves not so constructed. Calyx lipped. 175.
- 175 Upper petal much broader than long, 2-lobed, spreading. Bracts distant from calyx, small, soon falling. Style hooked below top. Ovary shortly stalked. Fruit swollen. Leaves narrow linear, with incurved margins. Stipules wanting. *DILLWYNIA* 600.
- " Upper petal nearly round. Bracts near calyx, or wanting. Style normal. 176.
- 176 Bracts present. Stipules present,\* often minute and closely adpressed. Style often thickened. Ovary usually sessile. *PULTENÆA* 587.
- " Bracts and stipules wanting. Style threadlike. Ovary stalked. Fruit slightly swollen. Leaves narrow with closely recurved margins. Plant downy. *AORUS* (villosa, S.A., 144).
- 177 Flowers yellow or red, solitary or in heads. Bracts present. Filaments combined. Fruit many-seeded. 178.
- " Flowers blue or white. Leaves alternate. 180.
- 178 Plant densely spiny. Sepals 2, yellow, hairy. Flower solitary. Stipules wanting. Fruit short, swollen, hairy. *ULEX* (europeus, S.A., 174).
- " Plant normal. Sepals combined, smooth. Stipules present. Fruit flattened, smooth. 179.

\* Except in *P. diffusa* and *P. subumbellata*.

- 179 Fruit winged above. Ovary downy. Leaves opposite. Flower solitary, axillary, yellow. *PLATYLOBIUM* 602.
- " Fruit normal. Ovary smooth, rarely fringed. Flowers 1 to 3 together. *BOSSLÆA* 604.
- 180 Leaves smooth. Stem climbing. Upper filament free. Fruit linear, flattened, many-seeded. *HARDENBERGIA* (*monophylla*, S.A., 190).
- " Leaves usually hairy beneath. Stem normal. Filaments combined. Fruit broad, swollen, two-seeded, sessile. *HOVEA* 607.
- 181 Leaves of 9 to 17 leaflets. Corolla purplish. Flowers in axillary racemes. Upper filament free. 182.
- " Leaves of 3 leaflets. 183.
- 182 Herb. Flower stem much exceeding leaves. Calyx clothed with black adpressed hairs. Style hairy. Fruit swollen. *SWAINSONA* (*lessertiæfolia*, S.A., 187).
- " Shrub. Flower stem scarcely exceeding leaves. Calyx and style smooth. Flowers slightly flattened. *INDIGOFERA* (*australis*, S.A., 186).
- 183 Herbs. Upper filaments free. 184.
- " Shrubs, or with woody stem. 189.
- 184 Stipules large, leaf-like, free. Corolla pink or yellow. Fruit linear, cylindric. *LOTUS* 608.
- " Stipules normal. 185.
- 185 Flowers in racemes, distinct. 186.
- " Flowers in a dense head or short spike. 187.
- 186 Corolla pink or white. Stem short, prostrate or twining. Fruit linear, flattened, hooked at the end, many-seeded. Leaflets downy beneath. Stipules minute. *GLYCINE* (*clandestina*, S.A., 189).
- " Corolla yellow, small. Stem 1' to 2' erect. Fruit short, thick, wrinkled, 1 or 2-seeded. Leaflets smooth. Stipules conspicuous. *MELILOTUS* (*parviflora*, S.A., 181).
- 187 Fruit spirally twisted, often spiny, 1 to many-seeded. Flower yellow. *MEDICAGO*. 612.
- " Fruit normal. Flowers pink or white, rarely yellow. 188.
- 188 Calyx with soft silky hairs. Fruit one-seeded. *PSORALEA* (*adscendens*, S.A., 185).
- " Calyx smooth. Fruit 1 to 6-seeded. *TRIFOLIUM* 609.
- 189 Corolla mainly yellow. Stipules wanting, or minute and soon falling. 190.
- " Corolla mainly red. Stipules and bracts present. Upper filament free. 191.

- 190 Flowers yellow, 1 to 3 together. Calyx-lobes nearly equal. Filaments free. Fruit nearly round, many-seeded. *GOMPHOLOBIUM* (huegelli, S.A., 162).
- " Flowers yellow and purple, numerous, racemed. Calyx lipped. Filaments combined. Fruit flattened, one or two-seeded. *GOODIA* (lotifolia, S.A., 173).
- 191 Flowers bright red, conspicuous. Upper petal reflexed. Stem prostrate. Flower-stalk scarcely exceeding leaves. Fruit linear, cylindrical, hairy, many-seeded. *KENNEDYA* (prostrata, S.A., 191).
- " Flowers pink, small. Petals normal. Stem erect. Flower-stalk much exceeding leaves. Fruit short, flattened, one-seeded. *DESMODIUM* (varians, S.A., 188).
- 192 Lobes of calyx with small alternate bracts. Fruit dry. Stem smooth. Herbs. 193.
- " Lobes of calyx normal. Stem usually prickly. 194.
- 193 Leaves smooth. Style long bent persistent terminal. *GEUM*. 631.
- " Leaves silky beneath. Style normal lateral. *POTENTILLA* (anserina, S.A., 212).
- 194 Leaves fragrant. Calyx glandular. Fruit dry, hairy, within the cupshaped receptacle. *ROSA* (rubiginosa, S.A., 213).
- " Leaves normal. Calyx normal. Fruit fleshy, smooth, on an elevated receptacle. *RUBUS* 632.
- 195 Leaves nearly round, with 3 wedge-shaped lobes. Stem 2" to 3". Flowers minute in axillary clusters. Calyx-lobes 8. Plant hairy. *ALCHEMILLA* (arvensis, S.A., 221).
- " Leaves lengthened, 2" to 6", with 10 to 20 leaflets. Stem 1' to 2'. Flowers in terminal heads or spikes. Calyx-lobes 3 to 7. 196.
- 196 Calyx-lobes 4 to 7, spiny or with hooked bristles. Stamens 2 to 10. *ACENA* 634.
- " Calyx-lobes 3 to 5, normal. Stamens numerous. *POTERIUM* (sanguisorba, S.A., 220).
- 197 Leaves alternate simple. Stipules wanting. 198.
- " Leaves opposite or whorled. Stipules present. Stamens inserted under ovary. 199.
- 198 Raceme erect, 1" to 2". Leaves  $\frac{1}{2}$ " to 1". Flowers in 4 parts. Stamens 8, inserted under ovary. Fruit in 4 parts. Stem 1' to 2'. *TETRACARPÆA* (tasmanica, S.A., 222).
- " Raceme drooping, 3" to 6". Leaves 4" to 8". Flowers in 6 parts. Stamens 6 to 9, inserted on perianth. Fruit entire. Stem 10' to 40'. *ANOPTERUS* (glandulosus, S.A., 224).
- 199 Petals scale-like, much shorter than calyx. Stamens 8 to 10. Fruit fleshy. Leaves simple, 1" to 2". Stem erect, 20' to 60'. *ANODOPETALUM* (biglandulosum, S.A., 223).
- " Petals conspicuous, pink or white. Stamens numerous. Fruit dry. 200.

- 200 Leaves simple, resinous and bluish beneath. Flowers white. Ovary smooth. Stem erect, 40' to 50'. *EUCRYPHIA* (billardieri, S.A., 225).
- " Leaves of 3 leaflets, normal. Flowers pink. Ovary hairy. Stem prostrate, or erect 4' to 5'. *BAUERA* (rubioides, S.A., 226).
- 201 Leaves radical, simple, nearly round,  $\frac{1}{2}$ " to 1", stipuled. Perianth wanting. Bracts 2. Stamens 1 or 2. Marsh plants. *GUNNERA* (cordifolia, S.A., 249).
- " Leaves scattered, without stipules. 202.
- 202 Styles 2, very long. Stigma simple. Stamen 1. Flowers minute, solitary. Perianth wanting. Fruit 4-lobed. Leaves opposite, entire. Stem slender, smooth. Water plant. *CALLITRICHE* (verna, S.A., 250).
- " Styles wanting. Stigmas 2 to 4. Stamens 2 to 10. Perianth usually present. 203.
- 203 Stem coarse, usually rough, much branched, erect, tufted. Leaves simple, rarely narrow, mostly opposite. Flowers in 4 parts. Bracts 2. Stamens 8. Land plants. *HALORAGIS* 649.
- " Stem slender, flaccid, quite smooth, creeping, rooting. Leaves usually divided and narrow, linear. Water or mud plants. 204.
- 204 Calyx-lobes 2. Flowers bisexual. Petals 2. Stamens 4. Styles 2. Fruit 2-celled. Leaves much divided, alternate. *MEIONECTES* (brownii, S.A., 243).
- " Calyx-lobes 4, minute. Flowers unisexual; upper flowers male, with 4 petals; lower female, without petals. Fruit of 4 nuts. Leaves usually whorled or opposite. *MYRIOPHYLUM* 645.
- 205 Stamens much exceeding perianth, numerous. Fruit many-seeded. 206.
- " Stamens normal. Fruit one to many-seeded. 209.
- 206 Perianth wanting. Flowers stalked. Stamens free, at first covered by a cap. *EUCALYPTUS* 661.
- " Perianth normal. Stamens without a cap. 207.
- 207 Flowers shortly stalked, white, superior. Leaves crowded, alternate, linear, entire, stiff, concave. *KUNZEA* (corifolia, S.A., 260).
- " Flowers closely sessile. 208.
- 208 Flowers pale yellow, superior. Leaves lanceolate. Young shoots velvety, purple. Stamens free. *CALLISTEMON* (salignus, S.A., 261).
- " Flowers pink or yellow, half superior. Leaves egg-shaped or narrow linear. Young shoots normal. Stamens in 5 bundles, opposite petals. *MELALEUCA* 658.

- 209 Calyx-lobes ending in long bristles. Flowers pink, terminal. Leaves entire, opposite. Stamens 10 to 20, free. Fruit one-seeded. *CALYTHRIX* (tetragona, S.A., 251).  
 " Calyx normal. Flowers white. 210.
- 210 Stamens numerous. Leaves alternate, broad. Fruit many-seeded. *LEPTOSPERMUM* 654.  
 " Stamens 5 to 10. Leaves opposite. 211.
- 211 Receptacle cylindric. Flowers small. Stamens 5. Fruit 1 or 2-seeded. Stem erect. *THRYPTOMENE* (micrantha, S.A., 252).  
 " Receptacle top-shaped. Flowers conspicuous. Stamens 5 to 10. Fruit many-seeded. Stem usually decumbent. *BAECKIA* 653.
- 212 Corolla yellow. Seed smooth. *ÆNOTHERA* (tasmanica, S.A., 283).  
 " Corolla pink, rarely white. Seed clothed with long silky hairs. *EPILOBIUM* 673.
- 213 Leaves 3-angled, opposite. Petals numerous, red. *MESEMBRYANTHEMUM* 675.  
 " Leaves flat alternate. Petals wanting. *TETRAGONIA* 676.
- 214 Leaves simple, often deeply lobed, but without separate leaflets; the lobes all springing from one point. 215.  
 " Leaves much divided. 222.
- 215 Leaves linear, cylindric, entire, hollow, jointed. Bracts minute. Calyx prominent. Fruit nearly cylindric. Stem prostrate. *CRANTZIA* (lineata, S.A., 308).  
 " Leaves more or less rounded, rarely entire. 216.
- 216 Leaves scattered. 217.  
 " Leaves radical. Bracts conspicuous. 219.
- 217 Bracts long, stiff, pungent, purplish. Leaves stiff, pungent. Calyx prominent. Fruit cylindric. Stem prostrate. *ERYNGIUM* (vesiculosum, S.A., 304).  
 " Bracts and leaves normal. Calyx minute or wanting. Fruit flattened. 218.
- 218 Leaves rounded, with stipules. Umbels minute, simple. Bracts few or wanting. Stem prostrate. *HYDROCOTYLE* 677.  
 " Leaves with pointed lobes, without stipules. Umbels simple or irregular. Bracts narrow, linear, numerous. Stem erect, 1' to 3'. *TRACHYMENE* (australis, S.A., 295).
- 219 Leaves with recurved margins. Calyx minute. Umbel simple. Florets 12 to 20. Fruit flattened. Marsh plants. *DIPLASPIS* 685.  
 " Leaves flat. 220.
- 220 Leaf-stalk very short. Calyx prominent. Florets 6 to 10. Petals linear or wanting. Fruit flattened, entire, 1-seeded. Plant densely tufted, hairy. *ACTINOTUS* (bellidioides, S.A., 303).  
 " Leaf-stalk much exceeding leaf. 221.

- 221 Calyx wanting. Umbel simple. Florets numerous. Fruit flattened. Bracts linear. *TRACHYMENE* (*humilis*, S.A., 294).  
 " Calyx prominent. Umbel simple or irregular. Florets 1 to 12. Fruit nearly square. Bracts broad. *AZORELLA* 684.
- 222 Leaves radical. Calyx minute. Plant silky or downy. *OREOMYRRHIS* (*andicola*, S.A., 307.)  
 " Leaves scattered. 223.
- 223 Bracts wanting. Calyx minute or wanting. 224.  
 " Bracts conspicuous. Calyx usually prominent. 225.
- 224 Corolla yellow. Fruit egg-shaped. Leaf-lobes hair-like. Stem erect, 2' to 4'. *FENICULUM* (*vulgare*, S.A., 306).  
 " Corolla white. Fruit flattened. Leaf-lobes normal. Stem usually prostrate. *APIUM* (*prostratum*, S.A., 305).
- 225 Fruit bristly, nearly cylindric. Bracts much divided. Stem erect. *DAUCUS* (*brachiatus*, S.A., 310).  
 " Fruit smooth, flattened. Stem often prostrate. 226.
- 226 Fruit with a beak 2" to 3" long. Calyx minute. Plant downy. *SCANDIX* (*pecten-veneris*, S.A., 311).  
 " Fruit normal. Calyx prominent. 227.
- 227 Leaf-lobes crowded, linear, with bristly points. Plants smooth. *ACIPHYLLA* (*procumbens*, S.A., 309).  
 " Leaves 3 to 5-lobed, normal. Umbel one to many-flowered. Plants sometimes woolly. *XANTHOSIA* 682.
- 228 Stem square. Flowers bisexual. Calyx usually wanting. Styles normal. Fruit dry. Stipules leaf-like, 2 to 6. Corolla 4-lobed. 229.  
 " Stem cylindric. Flowers usually unisexual. Calyx often present. Styles usually much exceeding corolla, hairy. Fruit usually fleshy. Stipules normal. Corolla 4 to 7-lobed. 231.
- 229 Corolla without a tube, usually yellow. Flowers terminal and axillary. *GALIUM* 692.  
 " Corolla with a distinct tube. Flowers terminal. 230.
- 230 Corolla white. Calyx wanting. Bracts wanting. Fruit normal. *ASPERULA* (*oligantha*, S.A., 324).  
 " Corolla pink. Calyx 6-lobed. Bracts large. Fruit crowned with calyx. *SHERARDIA* (*arvensis*, S.A., 323).
- 231 Shrub, either erect, 3' to 12'; or densely matted rooting. Style 2-lobed. *COPROSMA* 687.  
 " Herbs spreading widely or ascending. 232.
- 232 Flower solitary terminal. Fruit fleshy red, 2 to 4-seeded. Style 2 lobed. *NERTERA* (*depressa* S.A., 320).  
 " Flowers clustered, usually in the forks. Fruit dry, 1-seeded. Style entire. *OPERCULARIA* 691.
- 233 Outer florets strap-shaped, usually with pistils only. 234.  
 " Florets all tubular. 253.

- 234 Inner florets strap-shaped. Herbs, often giving out a milky juice. 235.  
 " Inner florets tubular. 242.
- 235 Stem leafy. 236.  
 " Stem leafless, or with 1 or 2 leaf-like scales. 238.
- 236 Plant rough. Flowers yellow. Pappus nearly sessile. Fruit curved. *PICRIS* (*hieracioides*, S.A., 452).  
 " Plant quite smooth. 237.
- 237 Bracts much exceeding flowers, in one row. Flower purple. Pappus stalked. Leaves entire, lanceolate, normal, sheathing. *TRAGOPOGON* (*porrifolius*, S.A., 451).  
 " Bracts normal, in several rows. Flowers yellow. Pappus sessile. Leaves toothed or lobed, rounded at base, stem-clasping. *SONCHUS* (*oleracens*, S.A., 453).
- 238 Pappus wanting. Stem swollen upwards, hollow. *ARNOSERIS* (*pusilla*, S.A., 443).  
 " Pappus present. Stem normal. 239.
- 239 Pappus all sessile. 240.  
 " Pappus (at least the inner) stalked. 241.
- 240 Leaves rough. Bracts in several rows; the outer smaller. Pappus in 2 rows; inner feathery; outer scale-like. *LEONTODON* (*hirtus*, S.A., 450).  
 " Leaves smooth. Bracts in 1 or 2 rows; the outer very short. Pappus in 1 row, hair like. *MICROSERIS* (*forsteri*, S.A., 455).
- 241 Flower stem simple, hollow, naked. Pappus in several rows, hair-like. Bracts in 2 rows, outer reflexed. Leaves smooth. *TARAXACUM* (*officinale*, S.A., 454).  
 " Flower stem branched, solid, usually with 1 or 2 scale-like leaves. Pappus in 2 rows; inner feathery; outer scale-like. Bracts in several rows. *HYPOCHÆRIS* 775.
- 242 Florets (all or outer only) yellow or orange. Mostly herbs. 243.  
 " Florets (all or outer only) white or bluish. 247.
- 243 Pappus conspicuous. Leaves usually alternate. 244.  
 " Pappus wanting, or minute scale-like. Flowers solitary, bell-shaped. 245.
- 244 Bracts very numerous, scarious, light brown. Flower usually solitary. Outer florets nearly tubular. *PODOLEPIS* (*acuminata*, S.A., 385).  
 " Bracts in 1 or 2 rows, with a few smaller at base, normal. Flowers rarely solitary. Outer florets normal. *SENECIO* 761.
- 245 Leaves not cottony, alternate. Flowers orange. Outer fruit incurved, warty at back. *CALENDULA* 773.  
 " Leaves densely cottony beneath, radical. Flowers yellow. Fruit normal. 246.

- 246 Fruit smooth. Inner florets yellow. Flower stalk normal. *CYMBONOTUS* (*lawsonianus*, S.A., 439).
- " Fruit woolly. Inner florets purple. Flower stalk with scattered red hairs. *CRYPTOSTEMMA* (*calendulaceum*, S.A., 440).
- 247 Pappus wanting, or minute scale-like. Bracts often broad. Fruit flattened. 248.
- " Pappus conspicuous. 250.
- 248 Fruit with a beak. Receptacle flat or nearly so. Pappus wanting. Leaves radical, usually downy. Flower-stem simple. *LAGENOPHORA* 711.
- " Fruit normal. 249.
- 249 Leaves radical. Pappus wanting. Receptacle conical. Flower-stem simple. *BELLIS* (*perennis*, S.A., 362).
- " Leaves alternate; or if radical, a short scale-like pappus is present. Receptacle rarely conical. *BRACHYCOME*. 713.
- 250 Trees or shrubs, 1' to 25'. Flowers usually clustered. *OLEARIA* 696.
- " Herbs, rarely woody at base. Flowers solitary. 251.
- 251 Plant densely tufted in silvery patches. Flowers broad bell-shaped; outer florets white. Leaves narrow linear, 3" to 10", entire, sheathing, with recurved margins, silvery white, radical. Mountain tops. *CELMISIA* (*longifolia*, S.A., 347).
- " Plant not so constructed. Flowers narrow; outer florets rarely white. Leaves stalked or narrowed downwards,  $\frac{1}{2}$ " to  $1\frac{1}{2}$ ", flat, often alternate. Plant often smooth. 252.
- 252 Stem usually woody at base, branched. Outer row of pappus shorter. *VITTADINIA* (*australis*, S.A., 348).
- " Stem normal, rarely branched. Rows of pappus equal. *ERIGERON* (*pappochroma*, S.A., 349).
- 253 Bracts spiny. 254.
- " Bracts normal. 257.
- 254 Spines hooked. Flowers unisexual. Pappus wanting. *XANTHIUM* (*spinosum*, S.A., 363).
- " Spines straight, pungent. Flowers normal. Pappus present. 255.
- 255 Leaves with white veins, smooth, spiny. Flowers purple, globose, solitary. *SILYBUM* (*marianum*, S.A., 445).
- " Leaves normal. Flowers egg-shaped. 256.
- 256 Flowers purple. Leaves spiny. Pappus feathery. *CARDUUS* 774.
- " Flowers yellow. Leaves not spiny. Pappus hair-like. *CENTAUREA* (*melitensis*, S.A., 444).
- 257 Trees or shrubs. Leaves usually woolly. Pappus present. 258.
- " Herbs, sometimes with a woody base. 261.

- 258 Flowers in dense woolly white or yellow terminal heads.  
Stem 18" to 24", woolly. *CALOCEPHALUS* 727.
- " Flowers not so constructed. Leaves alternate. 259.
- 259 Bracts green, herbaceous, 1-rowed, with a few smaller at base,  
erect. Flowers axillary yellow. *BEDFORDIA* 760.
- " Bracts coloured, scarios, in several rows. 260.
- 260 Bracts white or pink, erect. Leaves narrow linear, with  
recurved margins. Receptacle scaly. Flowers in terminal  
panicles. *CASSINIA* 729.
- " Bracts white spreading, or dark erect. Receptacle normal.  
*OZOTHAMNUS* 740.
- 261 Plant densely tufted. Flowers terminal, sessile. Leaves  
usually overlapping. On mountain tops. 262.
- " Plant not so constructed. 264.
- 262 Tufts silvery white. Pappus of male florets widening upwards,  
*ANTENNARIA* 754.
- " Tufts and pappus normal. 263.
- 263 Leaves sheathing at base, smooth. Pappus wanting. Bracts  
equal, or nearly so. Fruit smooth. Florets 3 to 4-toothed.  
*ABROTANELLA* 726.
- " Leaves normal, hairy. Pappus present. Outer bracts shorter.  
Fruit hairy. Florets 5-toothed. *PTERYGOPAPPUS* (*lawrencei*,  
S.A., 422).
- 264 Bracts, green, herbaceous, usually adpressed. 265.
- " Bracts (or a large part of each) coloured, scarios. Pappus  
present. 272.
- 265 Flowers solitary, rarely 2 together. 266.
- " Flowers clustered. Leaves scattered. 270.
- 266 Leaves radical. Fruit with 2 conspicuous stiff spines. *NABLO-*  
*NIUM* (*calyceroides*, S.A., 364).
- " Leaves scattered. Fruit normal. 267.
- 267 Plant woolly white. Pappus present. Leaves linear. 268.
- " Plant smooth or hairy. Pappus wanting. Leaves usually  
divided. 269.
- 268 Leaves opposite. Flowers globose. Stem 1' to 2'. *CALO-*  
*CEPHALUS* 727.
- " Leaves alternate. Flowers cylindric. Stem 2" to 6". *MILLO-*  
*TIA* (*tenuifolia*, S.A., 383).
- 269 Flowers stalked. Leaves much divided or linear. *COTULA* 721.
- " Flowers nearly or quite sessile. Leaves oblong toothed.  
*MYRIOGYNE* (*minuta*, S.A., 371).
- 270 Pappus wanting. Florets usually 2. Leaves often opposite.  
Bracts 4. Stem 1" to 4", woolly. *ANGIANTHUS* (*preissianus*,  
S.A., 374).
- " Pappus present. Leaves alternate. Bracts numerous, in one  
row, with a few smaller ones at base. 271.

- 271 Stem furrowed, smooth or slightly cottony. Florets 5-toothed. *SENECIO* 761.  
 " Stem usually cylindrical, often densely cottony. Florets 3 to 5-toothed. *ERECHTHITES* 770.
- 272 Bracts numerous, showy, inner lengthened spreading. Flowers broad, bell-shaped, usually 1" to 2" across. Lowest leaves often opposite. Plant usually cottony. 273.  
 " Bracts normal, brownish or white. Flowers usually cylindrical. 274.
- 273 Bracts brownish and white. Pappus feathery. Flower solitary. *HELIPTERUM* 732  
 " Bracts mostly pink, white, or bright yellow. Pappus toothed, feathery at top only. *HELICHRYSUM* 733.
- 274 Flower solitary. 275.  
 " Flowers clustered, often in dense heads. Leaves stem-clasping. 277.
- 275 Flower globular. Stem silky white, erect. Bracts egg-shaped. *CRASPEDIA* (*richea*, S.A., 378).  
 " Flower bell-shaped. Stem smooth or nearly so. Bracts narrow, 276.
- 276 Leaves linear to lanceolate, 1". Fruit beaked, or contracted at top. Outer bracts often descending down the stem. *LEPTORRHYNCHUS* 730.  
 " Leaves narrowing downwards,  $\frac{1}{2}$ ". Fruit normal. *IXIOLÆNA* (*supina*, S.A., 384).
- 277 Plant smooth,  $\frac{1}{2}$ " to 3". Pappus of 8 white scales. Leaves often opposite. *RUTIDOSIS* (*pumilo*, S.A., 382).  
 " Plant cottony, 6" to 5". Pappus feathery. Leaves alternate. 278.
- 278 Flowers in a loose panicle. Leaves broad, 4" to 6". Stem 3" to 5". *APALOCHLAMYS* (*billardieri*, S.A., 381).  
 " Flowers in a head. Leaves narrow short. Stem 6" to 18". *GNAPHALIUM* 756.
- 279 Plant densely tufted, moss-like. Corolla white, nearly or quite regular. Flower-stem solitary. Mountain tops, 280.  
 " Plant not so constructed. Corolla rarely white, irregular. 281.
- 280 Leaves linear, overlapping, with silvery hairs, sessile. Flowers terminal, sessile among the leaves. *DONATIA* (*novæ-zelandiæ*, S.A., 461).  
 " Leaves oblong, radical, smooth. Flower stem 3" to 5". *FORSTERA* (*bellidifolia*, S.A., 460).
- 281 Lower petal hood-shaped, irritable. Column normal. Calyx 5-lobed. Leaves alternate. Stem 2" to 3". *LEVENHOOKIA* (*dubia*, S.A., 459).  
 " Lower petal narrow, normal. Column irritable. Calyx 2-lobed. Leaves often radical. *STYLIIDIUM* 776.

- 282 Corolla distinctly irregular ; the tube slit to base. LOBELIA 778.  
 " Corolla nearly regular ; tube entire. Calyx downy. ISOTOMA (fluviatilis, S.A., 468).
- 283 Corolla blue. Flower superior. Leaves alternate. 284.  
 " Corolla yellow or whitish. Anthers free. Stigma-cup hairy. 285.
- 284 Corolla densely hairy, lipped. Anthers combined. Stigma-cup smooth. Fruit one-seeded. Stem erect. DAMPIERA (stricta, S.A., 482).  
 " Corolla smooth, normal. Anthers free. Stigma-cup hairy. Fruit many-seeded. Stem creeping. SELLIERA (radicans, S.A., 473).
- 285 Corolla dirty-white, hairy. Flowers superior. Leaves alternate. Stem creeping. Fruit one-seeded. SCÆVOLA 790.  
 " Corolla bright yellow, winged. Fruit many-seeded. 286.
- 286 Corolla spurred. Flower inferior. Flower-stem much exceeding leaves. Leaves radical. Plant downy. VELLEIA 784.  
 " Corolla normal. Flower superior. Leaves usually alternate. GOODENIA 785.
- 287 Leaves conspicuously toothed. Anthers awned. Style thread-like. Plant bushy. GAULTHERIA 792.  
 " Leaves scarcely toothed. Anthers normal. Style very short. Flower solitary. Plant densely matted. PERNETTYA (tasmanica, S.A., 484).
- 288 Leaves sheathing at base. Stamens inserted under ovary. Style sunk in fruit. Fruit dry, many-seeded. 289.  
 " Leaves stalked or sessile, not sheathing.\* Stamens usually inserted on corolla. Branches without ringed scars. 292.
- 289 Corolla closed, cap-like ; upper part soon falling, and leaving a persistent base, much shorter than stamens. Naked branches clothed with ringed scars. 290.  
 " Corolla normal spreading. Leaf-margins entire. 291.
- 290 Flowers in long leafless panicles. Bracts soon falling. RICHEA 835.  
 " Flowers in short, usually leafy, heads. Bracts persistent. CYSTANTHE 832.
- 291 Naked branches with ringed scars. Leaves crowded at end of branches, or closely overlapping on stem. DRACOPHYLLUM 838.  
 " Branches normal. Leaves rarely crowded, never overlapping, pungent. Corolla divided nearly to base, pink. SPRENGELIA (incarnata, S.A., 537).

\* In one or two species of Epacris the leaves are sheathing ; but the flowers are not split to the base, nor are the branches marked by ringed scars.

- 292 Flowers on long slender stalks, solitary, pendulous. Corolla crimson, smooth. Bract one, or wanting. Style sunk in fruit, protruding. Fruit dry, many-seeded. Leaves oblong, toothed, 1" to 2", stalked. Stem weak, climbing, 20' to 40'. PRIONOTES (cerinthoides, S.A., 536).  
 " Leaves sessile or nearly so. Stamens inserted on corolla. 293.
- 293 Style sunk in fruit. Flowers usually in leafy spikes. Corolla lobes smooth.† Fruit dry, many-seeded. 294.  
 " Style terminal. Fruit usually fleshy; the cells one-seeded. 295.
- 294 Bracts several, clothing flower-stalk, persistent, usually coloured. Corolla white or red. EPACRIS 821.  
 " Bracts wanting, or soon falling. Corolla white. ARCHERIA 831.
- 295 Bracts 2 or 3. Flowers rarely solitary. 296.  
 " Bracts more than 3, usually clothing flower stalk. Flowers 1 to 3 together. Fruit fleshy. 300.
- 296 Corolla green, bearded at tip; tube hairy. Spike very short, axillary. Leaves fringed. Fruit whitish. ACROTRICHE (serrulata, S.A., 506).  
 " Corolla white, pink, or red. 297.
- 297 Flowers with densely bearded tips, white. Fruit 2 to 5-celled, dry or fleshy. Stamens included. LEUCOPOGON 802.  
 " Flowers smooth, or slightly hairy; or, if bearded, red and in nodding spikes. Fruit fleshy. 298.
- 298 Corolla bell-shaped, often red. Flowers usually terminal. Leaves stalked. Fruit blue, 10-celled. TROCHOCARPA 819.  
 " Corolla funnel-shaped, white or pinkish. 299.
- 299 Leaves pale beneath, mostly with recurved margin, blunt with a central point. Corolla smooth. Fruit one-celled. Flowers often unisexual. MONOTOCA 809.  
 " Leaves normal, mostly flat. Corolla often hairy. Flowers bisexual. LISSANTHE 812.
- 300 Corolla tubular, much exceeding calyx, with bearded, usually green, tips. Flowers axillary. Fruit 5-celled. Leaves pungent. 301.  
 " Corolla short, funnel-shaped, white or pinkish, usually bearded. 302.
- 301 Corolla yellowish green, with reflexed tips. Flowers 2 or 3 together, often nodding. Anthers protruding. Fruit green. Leaves lanceolate, pale. Stem decumbent. STYPHELIA (adscendens, S.A., 488).  
 " Corolla red at base or entirely, with spreading or erect tips. Flower solitary, erect. Anthers included. Fruit green or black. ASTROLOMA 794.

† Except in *Archeria serpillifolia*.

- 302 Flowers terminal. Corolla with densely bearded reflexed tips, and usually a hairy tube. Fruit 5-celled. Leaves normal, stem spreading or prostrate. *PENTACHONDRA* 816.
- " Flowers axillary. Corolla-tips rarely smooth; tube naked. Fruit 5 to 10-celled. Leaves usually pale beneath. *CYATHODES* 795.
- 303 Corolla white. Leaves alternate. Stamens with alternate scales. Stem creeping, rooting. *SAMOLUS* (*repens*, S.A., 550).
- " Corolla pink or blue. Leaves opposite. Stamens normal. Stems tufted. *ANAGALLIS*.
- 304 Stem climbing. Corolla downy. Flowers paniced, terminal. Anthers protruding. Fruit dry, lengthened, many-seeded. Seeds with long silky hairs. Leaf with conspicuous veins. *LYONSIA* (*straminea*, S.A., 552).
- " Stem erect. Corolla smooth. Flowers 1 to 3 together. Anthers enclosed. Fruit fleshy, nearly round, one-seeded. Seeds normal. Leaf veinless. *ALYXIA* (*buxifolia*, S.A., 553).
- 305 Leaves alternate or radical. Water plants. 306.
- " Leaves opposite. Land plants. 307.
- 306 Leaves nearly round. Corolla yellow, often bearded. *LIMNANTHEMUM* 844.
- " Leaves narrow, linear. Corolla white, smooth. *LIPAROPHYLLUM* (*gunnii*, S.A., 562).
- 307 Lower leaves stalked. Style wanting. *GENTIANA* (*saxosa*, S.A., 563).
- " Leaves all sessile. Style conspicuous. 308.
- 308 Calyx divided nearly to base. Anthers at length reflexed. Ovary 2-celled. *SEBÆA* 845.
- " Calyx with short lobes. Anthers at length spirally twisted. Ovary one celled. *ERYTHRÆA* (*australis*, S.A., 566).
- 309 Plant leafless. Stem slender, twining, parasitic, yellowish. *CUSCUTA* (*tasmanica*, S.A., 574).
- " Plant normal. 310.
- 310 Bracts 2. Plant usually smooth. Corolla conspicuous. Fruit 4-seeded. 311.
- " Bracts wanting. Plant silky. Corolla small. Fruit 1 or 2-seeded 312.
- 311 Bracts large, enclosing calyx. Corolla white. *CALYSTEGIA* 847.
- " Bracts minute, distant from calyx. Corolla usually pink. *CONVOLVULUS* 846.
- 312 Corolla with a tube. Sepals combined. Fruit entire, smooth. Leaves sessile, egg-shaped, overlapping. *WILSONIA* 848.
- " Corolla without a tube. Sepals distinct. Fruit in two parts, hairy. Leaves on a long stalk, nearly round. *DICHONDRA* (*repens*, S.A., 573).

- 313 Calyx divided nearly to base, with straight hairs ; lobes narrow linear. Corolla-tube cylindric. Bracts present. Fruit smooth, shining. LITHOSPERMUM (arvense, S.A., 575.)  
 " Calyx with conspicuous tube ; lobes broad. Corolla tube very short. 314.
- 314 Calyx hairs hooked. Fruit smooth, shining. MYOSOTIS 849.  
 " Calyx hairs straight. Fruit rough bristly. Stamens enclosed. CYNOGLOSSUM 850.
- 315 Leaves densely cottony beneath, with recurved margins, alternate. Calyx 5-lobed, downy. Corolla yellowish. Shrub, 8' to 10'. ANTHOCERCIS (tasmanica, S.A., 584).  
 " Leaves normal. Herbs.\* 316.
- 316 Leaves broad at tip, blunt, entire, rapidly narrowing downwards. Flowers minute. Corolla 5-lobed, spreading. Flower stalk shorter than leaves. Mud plants, with creeping rooting stem. 317.  
 " Leaves normal, usually broad, often sessile, rarely entire. 318.
- 317 Leaves on very long stalks, 1" to 3". Calyx 5-lobed. LIMOSSELLA (aquatica, S.A., 586).  
 " Leaves on stalks not exceeding the egg-shaped tip,  $\frac{1}{4}$ ". Calyx 3 or 4-lobed. Stems matted moss-like. GLOSSOSTIGMA (latinoides, S.A., 585).
- 318 Corolla lobes spreading, flowers conspicuous, usually blue. 319.  
 " Corolla lipped. 320.
- 319 Corolla of 4 pointed lobes ; tube minute. Calyx 4-lobed. Flowers mostly racemed. Stamens 2, protruding. Leaves rarely entire. VERONICA 853.  
 " Corolla of 5 blunt lobes, white ; tube evident. Calyx 5-lobed. Flowers mostly solitary. Stamens 4, enclosed. Leaves entire, nearly round. OURISIA (integrifolia, S.A., 597).
- 320 Leaves radical, stalked, toothed. Flowers 1 to 4 together, violet ; stalk much exceeding leaves. Calyx 5-lobed. Anthers 4. MAZUS (pumilio, S.A., 598).  
 " Leaves opposite. 321.
- 321 Leaves nearly round, 3 to 7-lobed, on long stalks. Corolla spurred, blue ; mouth closed. Calyx 5-lobed. Anthers 4. Flowers on long stalks. Stem weak, trailing. LINARIA (cymbalaria, S.A., 538).  
 " Leaves longer than broad, rarely lobed. Corolla normal. 322.
- 322 Flowers in terminal spikes. Calyx 4-lobed. Anthers 4, pointed, hairy. EUPHRASIA 863.  
 " Flowers 1 to 3 together, axillary. Calyx 5-lobed. Marsh plants. 323.

\* Except Veronica formosa.

- 323 Calyx narrow tubular. Corolla blue, with yellow centre. Anthers 4. Leaves entire. *MIMULUS* (repens, S.A., 601).
- " Calyx short. Corolla yellow or pinkish. Anthers 2. Leaves usually toothed. *GRATIOLA* 862.
- 324 Calyx of 2 opposite lobes. *UTRICULARIA* 865.
- " Calyx of 4 lobes, in pairs; 2 inner smaller. Corolla pink. *POLYPOMPHOLYX* (tenella, S.A., 609).
- 325 Shrub or tree, often downy. Flowers 2 together. Corolla lipped. Calyx many ribbed. Fruit wrinkled. 326.
- " Herbs, rarely downy. 327.
- 326 Leaves opposite. Calyx lipped. Plant glandular. *PROSTANTHERA* 871.
- " Leaves whorled. Calyx bellshaped. Plant normal. *WESTRINGIA* (rosmariniformis, S.A., 621).
- 327 Corolla of 4 or 5 nearly equal lobes. Stamens protruding, divergent, nearly equal. 328.
- " Corolla lipped. Anthers 4. 329.
- 328 Corolla white. Anthers 2. *LYCOPUS* (australis, S.A., 615).
- " Corolla pink. Anthers 4. Plant strongly aromatic. *MENTHA* 869.
- 329 Upper lip of corolla minute or slit. Stamens protruding. 330.
- " Upper lip of corolla normal. Stamens enclosed. 331.
- 330 Corolla white; upper lip deeply divided; throat smooth. *TEUCRIUM* (corymbosum, S.A., 624).
- " Corolla blue; upper lip notched; throat hairy. *AJUGA* (australis, S.A., 625).
- 331 Calyx tubular or funnel-shaped. Fruit wrinkled. 332.
- " Calyx lipped. Corolla tube usually exceeding calyx. 333.
- 332 Calyx of 5 lobes, normal. Corolla pink. Leaves smooth. Stem slightly hairy, weak. *STACHYS* (arvensis, S.A., 623).
- " Calyx of 10 hooked lobes. Corolla white. Leaves wrinkled. Stem woolly, stout. *MARRUBIUM* (vulgare, S.A., 622).
- 333 Flowers one or two together, on one side of stem. Calyx with scale on back; lips entire. Lower leaves nearly round. *SCUTELLARIA* (humilis, S.A., 617).
- " Flowers whorled. Calyx normal; lips lobed. Leaves much longer than broad. *PRUNELLA* (vulgaris, S.A., 616).
- 334 Stem woody, prostrate or twining. Flowers unisexual. Perianth 5-lobed, yellowish; lobes in fruit fleshy. *MUEHLENBECKIA* 879.
- " Stem herbaceous. Perianth 4 to 6-lobed, dry. Flowers bisexual. 335
- 335 Perianth 4 or 5-lobed. Stamens 5 to 8. Stigma entire. Leaves usually fringed or hairy. *POLYGONUM* 880.
- " Perianth 6-lobed. Stamens 6. Stigma deeply fringed. Leaves smooth. *RUMEX* 885.

- 336 Flowers clothed with long soft hairs, in a terminal yellowish spike. Leaves mostly much narrowed below. *TRICHINIUM* (*spatulatum*, S.A., 648).  
 " Flowers normal, axillary. Leaves linear to lanceolate. 337.
- 337 Leaves alternate, fleshy. Flower solitary. Sea coast plant. *HEMICHROA* (*pentandra*, S.A., 646).  
 " Leaves opposite normal. Flowers in a close white head. *ALTERNANTHERA* (*denticulata*, S.A., 647).
- 338 Stem leafless, jointed, fleshy, with opposite branches. Flowers minute, sunk in the joints. *SALICORNIA* 894.  
 " Stem and flowers normal. 339.
- 339 Leaves long, narrow. Flowers bisexual. 340.  
 " Leaves broad, flat. 341.
- 340 Leaves usually cylindric, fleshy,  $\frac{1}{2}$ " to  $1\frac{1}{2}$ ". Perianth round, flattened. Fruit dry. Stem erect or spreading. *SUÆDA* (*maritima*, S.A., 659).  
 " Leaves usually linear, contracted below,  $\frac{1}{4}$ " to  $\frac{1}{2}$ ". Perianth tubular. Fruit fleshy, purple. Stem prostrate. *THRELKELDIA* (*diffusa*, S.A., 658).
- 341 Fruit fleshy. Flowers bisexual. Perianth 5-lobed. *RHAGODIA* 888.  
 " Fruit dry, enclosed in perianth-lobes. 342.
- 342 Leaves wedge-shaped at base. Stem striped. Perianth 3 to 5-lobed. Flowers bisexual. Herbs. *CHENOPODIUM* 892.  
 " Leaves not so shaped. Stem normal. Perianth 2 or 5-lobed. Flowers unisexual. *ATRIPLEX* 889.
- 343 Stem densely tufted. Leaves linear, concave, fringed,  $1\frac{1}{2}$ " to  $1\frac{1}{2}$ ", alternate. Perianth hairy. Flowers in heads, terminal, sessile within the leaves. *DRAPETES* (*tasmanica*, S.A., 668).  
 " Stem normal; or, if densely tufted, with egg-shaped leaves and solitary flowers.\* *PIMELEA* 898.
- 344 Flowers in heads, often dense, or in flattened racemes. Fruit hard, woody. 345.  
 " Flowers not so constructed. 349.
- 345 Leaves much divided, pungent. Flower heads globose, much shorter than leaves. Stem 1' to 2'. *ISOPOGON* (*ceratophyllum*, S.A., 686).  
 " Leaves simple. 346.
- 346 Flower head cylindric, dense, equalling or exceeding leaves. Fruit 2-seeded. Perianth downy. *BANKSIA* 923.  
 " Flower head flattened, loose. 347.

\* As in *P. pygmæa*.

- 347 Leaves oblong to wedge-shaped, rusty beneath. Flowers terminal, large, crimson, smooth. Stem 6' to 8'. *TELOPEA* (*truncata*, S.A., 703).
- " Leaves linear or cylindric, usually pungent. 348.
- 348 Leaves with recurved margins. Perianth silky, tubular. Young shoots hairy. Stem 1' to 4'. *GREVILLEA* (*australis*, S.A., 697).
- " Leaves flat or cylindric. Perianth-lobes free. Stem 2' to 10'.  
*HAKEA* 918.
- 349 Flower solitary, downy; stalk shorter than leaves. Leaves linear to wedge-shaped, entire,  $\frac{3}{4}$ " to  $1\frac{1}{2}$ ". Fruit fleshy, purple. Stem 2' to 10'. *PERSOONIA* 914.
- " Flowers clustered. 350.
- 350 Flowers in racemes, whitish, usually terminal; stalk much exceeding leaves. Fruit dry. Ovary stalked. 351.
- " Flowers in spikes or panicles. Leaves simple. Ovary sessile. 352.
- 351 Leaves wedge-shaped, smooth, toothed at end. Perianth regular. Fruit egg-shaped, 1 or 2-seeded. *BELLENDEN* (*montana*, S.A., 688).
- " Leaves not so constructed. Perianth irregular. Fruit lengthened, many-seeded. *LOMATIA* 922.
- 352 Perianth downy, irregular, tubular; stalk exceeding leaves. Leaves linear, entire, hairy. Flowers panicled, or sessile on a long stem, axillary. Ovary crowned with reddish hairs. Fruit dry. *CONOSPERMUM* (*taxifolium*, S.A., 687).
- " Perianth smooth, regular. 353.
- 353 Flower-stalk shorter than the oblong, flat, toothed leaves. Fruit fleshy, purple. Stem 20' to 30'. *CENARRHENES* (*nitida*, S.A., 690).
- " Flower-stalk exceeding leaves; or if shorter, with cylindric leaves. 354.
- 354 Ovary smooth. Spikes axillary. Bract persistent, one-flowered. Stigma 2-lobed. Fruit 1-seeded, stem 6' to 9'. Leaves smooth. *AGASTACHYS* (*odorata*, S.A., 689).
- " Ovary downy. Spikes usually terminal. Bract soon falling, 2-flowered. Stigma simple. Fruit 2-seeded. Stem 2' to 6'.  
*ORITES* 915.
- 355 Leaves opposite, clothed with stinging hairs, toothed, stipuled, *URTICA* 924.
- " Leaves alternate, normal. Stipules minute or wanting. 356.
- 356 Leaves entire. Bracts present. Stigma fringed, sessile. *PARIETARIA* (*debilis*, S.A., 708).
- " Leaves toothed. Bracts wanting. Stigma normal. *AUSTRALINA* (*pusilla*, S.A., 709).
- 357 Herbs. Leaves blunt, often opposite. 358.
- " Shrubs or trees. Leaves alternate or wanting. 359.

- 358 Perianth enclosing stamens or pistils. Flowers terminal, very leafy. Calyx white. Petals 4 or 5, minute. Stamens 5. Stipules small, pointed. *PORANTHERA* (*microphylla*, S.A., 725).
- " Perianth enclosing stamens and pistils. Flowers terminal or axillary. Petals wanting. Bract bell-shaped, calyx-like. Stamen solitary. Stipules often fringed or wanting. *EUPHORBIA* 928.
- 359 Branches flattened, almost or quite leafless. Stem 1' to 2'. Flowers in sessile clusters at joints. Bracts scarious. *AMPEREA* (*spartioides*, S.A., 722).
- " Branches normal. 360.
- 360 Leaves with stipules, usually flat, rarely wanting. Stamens few. 361.
- " Leaves without stipules, usually with recurved margins, pale beneath. Stamens numerous. 363.
- 361 Leaves in threes, on each side of stem, linear to oblong. Stamens 6 to 9. *MICRANTHEUM* (*hexandrum*, S.A., 723).
- " Leaves normal, egg-shaped to round. 362.
- 362 Leaves minute, sometimes opposite. Stamens 6, free, in a white perianth. *PSEUDANTHUS* (*ovalifolius*, S.A., 724).
- " Leaves  $\frac{1}{2}$ " to  $\frac{3}{4}$ ", alternate. Stamens 3, combined, in a red perianth. *PHYLLANTHUS* 930.
- 363 Leaves oblong to lanceolate, blunt, with slightly recurved margins, stalked, usually viscid. Flowers axillary. *BEYERA* (*viscosa*, S.A., 721).
- " Leaves linear, sessile, with very recurved margins. 364.
- 364 Petals wanting. Flowers axillary. Fruit smooth. Stem 6' to 8'. *BERTYA* (*rosmarinifolia*, S.A., 719).
- " Petals, 4 to 6, white, exceeding calyx. Flowers terminal. Fruit rough. Stem 2' to 3'. *RICINOCARPUS* (*pinifolius*, S.A., 720).
- 365 Leaves present, linear,  $\frac{1}{2}$ " to 1". Stigma simple. *THESIUM* (*australe*, S.A., 731).
- " Leaves wanting. 366.
- 366 Scales, in place of leaves, persistent. Fruit-stalk swollen, fleshy, red or white. Perianth greenish. Stigma simple. *EXOCARPUS* 933.
- " Scales, in place of leaves, falling before flowering. Fruit-stalk normal. Perianth white or yellowish. Stigma 2 to 5-lobed. *LEPTOMERIA* 932.
- 367 Leaves opposite or whorled, minute, adpressed, overlapping. 368.
- " Leaves spiral or scattered. 370.
- 368 Leaves in whorls of 3 or 4. Cone egg-shaped or round, of 6 scales, each many-seeded. Stem 20' to 90'. *FRENELA* 937.
- " Leaves opposite, in alternate pairs. 369.

- 369 Stem erect, 4' to 10'. Cone round, of 4 scales in opposite pairs. Seeds 3, winged. Leaves entire. *DISELMA* (*archeri*, S.A., 742).
- " Stem prostrate. Cone egg-shaped, of several scales, red. Seeds wingless. Leaves fringed. *MICROCACHRYS* (*tetragona*, S.A., 744).
- 370 Leaves scattered, spreading. Seeds wingless. 371.
- " Leaves spiral, adpressed, overlapping. 372.
- 371 Leaves linear,  $\frac{1}{4}$ " to  $\frac{1}{2}$ ". Stem 2' to 12'. *PODOCARPUS* (*alpina*, S.A., 746).
- " Leaves wedge-shaped or angular, 1" to 2". Stem 20' to 60'. *PHYLLOCLADUS* (*rhomboidalis*, S.A., 747).
- 372 Leaves 1" to 4". Cone of 14 to 20 scales. Seeds winged. Stem 20' to 40'. *ATHROTAXIS* 935.
- " Leaves minute, scale-like. Cone of 4 to 8 scales. Seeds wingless. 373.
- 373 Seeds in a fleshy cup. Stem 60' to 100'. *DACRYDIUM* (*franklini*, S.A., 745).
- " Seeds normal. Stem 2' to 4'. *PHEROSPHERA* (*hookeriana*, S.A., 743).
- 374 Leaves radical, linear, blunt, 1' to 2'. Flower stem spirally twisted. *VALLISNERIA* (*spiralis*, S.A., 748).
- " Leaves in whorls,  $\frac{1}{4}$ ". Flower stem normal. *ELODEA* (*canadensis*, S.A., 749).
- 375 Stem leafless at time of flowering, usually with short sheathing scales. 376.
- " Stem leafy at time of flowering. 381.
- 376 Sheathing scale solitary or wanting. 377.
- " Sheathing scales scattered along the stem. 378.
- 377 Plant glandular, downy. Flowers all looking one way, pink, downy; upper sepal erect; lip normal. *ERIOCHILUS* (*autumnalis*, S.A., 775).
- " Plant smooth. Flowers normal, not pink, smooth; upper sepal incurved; lip reversed. *PRASOPHYLLUM* 971.
- 378 Flowers 1 to 5 together, erect, green or red. Leaves preceding flowers, or on separate stems. 379.
- " Flowers numerous, nodding, brown or pink, distinctly stalked. Leaves never present. 380.
- 379 Flowers stalked, green outside; upper sepal hood-shaped. Scales few, distant. *PTEROSTYLIS* 938.
- " Flowers sessile, reddish brown outside; upper sepal normal. Scales numerous, close. *BURNETTIA* (*cuneata*, S.A., 777).
- 380 Perianth spreading, pink. Lip hairy along the centre. Stem green. *DIPODIUM* (*punctatum*, S.A., 752).
- " Perianth tubular, pale brown. Stem brown. *GASTRODIA* (*sesamoides*, S.A., 753).

- 381 Leaf solitary. 382.  
 " Leaves 2 or more. 390.
- 382 Leaf egg-shaped or heart-shaped. 383.  
 " Leaf narrow, slender, flat or cylindric. 385.
- 383 Flower solitary, large, purple; upper sepal large, swollen, overarching. Lip deeply fringed. Leaf rounded, with a short point. *CORYSANTHES* (*pruinosa*, S.A., 755).  
 " Flowers clustered. 384.
- 384 Leaf rounded at end, close to lowest sheath. Flowers all looking one way; sepals normal. *CYRSTYLIS* (*reniformis*, S.A., 778).  
 " Leaf pointed, distant from lowest sheath. Flowers normal; sepals usually awned. *ACIANTHUS* 952.
- 385 Lip clothed with conspicuous glands. Flowers 1 to 3 together, rarely blue. Stem usually downy. *CALADENIA* 955.  
 " Lip normal. 386.
- 386 Stem downy. Flowers 1 or 2, blue, rarely pink or white; lower half of lip white, hairy. *GLOSSODIA* (*major*, S.A., 788).  
 " Stem smooth. 387.
- 387 Perianth-lobes similar, usually blue or pink. *THELYMITRA* 961.  
 " Perianth-lobes dissimilar, rarely blue or pink. 388.
- 388 Leaf-sheath short, at base of stem. Flowers 1 or 2 stalked, dark red; lip swollen, reversed, irritable; sepals narrow, linear. *CALEYA* 951.  
 " Leaf-sheath occupying nearly half the stem, closed. Flowers numerous, sessile, pale or green; lip and sepals normal. Sheathing scales wanting. 389.
- 389 Upper sepal concave, hood-like. Perianth small, much shorter than ovary, green, stalked, normal. *MICROTIS* (*porrifolia*, S.A., 754).  
 " Upper sepal spreading. Perianth equalling ovary, yellowish, sessile, reversed. *PRASOPHYLLUM* 971.
- 390 Flowers placed spirally on the stem, small. Spike glandular. Root tubers sessile. *SPIRANTHES* (*australis*, S.A., 789).  
 " Flowers normal. Spike smooth. 391.
- 391 Perianth mainly green, large; lip with broad appendages. Root tubers stalked. *PTEROSTYLIS* 938.  
 " Perianth yellow or reddish purple. 392.
- 392 Plant without true roots, not growing in soil. 393.  
 " Plant normal. 394.
- 393 Leaves cylindric. Flowers 1 or 2 together, axillary, white with dark stripes; lip wavy at point. *DENDROBIUM* (*striolatum*, S.A., 750).  
 " Leaves flat. Flowers in racemes, from base of leaves, yellowish; lip normal. *SARCOCHILUS* (*parviflorus*, S.A., 751).

- 394 Lowest leaf nearly as broad as long, stem-clasping; upper leaves scale-like. Perianth very dark red; lip reversed. *LYPERANTHUS* (*nigricans*, S.A., 776).  
 " Leaves linear to lanceolate. 395.
- 395 Lip glandular. 396.  
 " Lip normal. 397.
- 396 Glands on surface only, short. Flower solitary. Radical leaves often sessile, with short leaf-like scales on stem. *CHILOGLOTTIS* 954.  
 " Glands on surface and margin, hair-like. Flowers 2 to 5. Radical leaves stalked. Scales usually wanting. *CALOCHILUS* (*campestris*, S.A., 790).
- 397 Leaves stem-clasping. Flowers stalked; sepals narrow, linear, lengthened; lip yellow or blotched, shorter than sepals, normal. *DIURIS* 967.  
 " Leaves stalked. Flowers nearly sessile; sepals normal; lip reddish, much exceeding sepals, oblong, swollen at base. *CRYPTOSTYLIS* (*longifolia*, S.A., 803).
- 398 Sepals and petals nearly equal, white, divided to base. Style shorter than the stamens. Fruit round. Leaves grassy, often minutely fringed, shorter than flower-stalk. Stem 3" to 8". *LIBERTIA* (*pulchella*, S.A., 820).  
 " Sepals much exceeding petals. Flowers within a long dry bract. Style exceeding stamens. Fruit oblong. Leaves stiff, smooth. Stem 1' to 3'. 399.
- 399 Perianth divided to base, mainly white. Filaments free. *DIPLARRHENA* 982.  
 " Perianth tubular, blue. Filaments combined. *PATERSONIA* 983.
- 400 Flowers densely crowded, in spikes or minute heads, with numerous bracts. Stamens 6. Style and stigma solitary. Fruit dry. 401.  
 " Flowers not so disposed. 402.
- 401 Leaves 1", in tufts at intervals. Flowers in small sessile heads. Stems densely tufted, branched. *BARTLINGIA* (*minor*, S.A., 846).  
 " Leaves 1' to 3'. Flowers in long cylindric spikes on naked stems. Stem normal or wanting. *XANTHORRHEA* 993.
- 402 Flowers drooping. Stamens 6. Style and stigma solitary. 403.  
 " Flowers erect, rarely slightly nodding. 405.
- 403 Flowers tubular, large, 1" to 2", orange red, in racemes; stem 2' to 3'. Radical leaves 1' to 2', crowded; stem-leaves short, distant. *BLANDFORDIA* (*marginata*, S.A., 833).  
 " Flowers, spreading, blue or white, small. 404.

- 404 Flowers paniced; petals normal. Anthers normal. Filaments curved. Fruit fleshy, oblong, purple. Leaves usually stiff. DIANELLA 985.
- " Flowers not paniced; petals fringed, wavy. Anthers arrow-shaped. Filaments straight. Fruit dry, nearly round. Leaves narrow, grassy. ARTHROPODIUM 988.
- 405 Leaves egg-shaped, twisted at base, partly net-veined. Flowers solitary, axillary, white. Fruit fleshy, purple, nearly round. DRYMOPHILA (cyanocarpa, S.A., 828).
- " Leaves linear, normal, sheathing. Fruit dry. 406.
- 406 Flower solitary, enclosed within 2 large bracts. Style 1. 407.
- " Flowers 3 to many, normal, small. Stamens 6. 408.
- 407 Flowers stalked, purple, 2" across. Leaves stiff, much shorter than flower stalk. Stamens 3. Stigmas 3, reflexed. Fruit long. HEWARDIA (tasmanica, S.A., 825).
- " Flowers sessile within tufts of leaves, blue,  $\frac{3}{4}$ ". Leaves normal, exceeding flowers. Stamens 6. Stigma 1, normal. Fruit round. HERPOLIRION (novæ zealandiæ, S.A., 843).
- 408 Stem leafless, twining. Flowers purple. Style and stigma solitary. THYSANOTUS (patersoni, S.A., 842).
- " Stem normal, erect. 409.
- 409 Flowers in tall simple racemes, numerous, yellow. Filaments hairy. Style and stigma solitary. Seeds angular, opaque. BULBINE 989.
- " Flowers not so constructed, usually blue or white. 411.
- 411 Filaments hairy or downy. 412.
- " Filaments smooth. 413.
- 412 Flowers on stalks shorter than themselves, in small umbels at the end of branched stems. Perianth yellow, twisted after flowering. Anthers in a dense hairy tuft. Seeds 3, opaque. Root fibrous. Stem 1' to 2'. Leaves grassy, flaccid, normal. TRICORYNE (elatior, S.A., 844).
- " Flowers on stalks exceeding themselves, rarely in umbels. Perianth blue or yellow, normal. Anthers normal, reflexed. Seeds few, shining. Root creeping. Stem 6" to 36". Leaves stiff, in 2 opposite rows. STYPANDRA (cæspitosa, S.A., 845).
- 413 Style and stigma solitary. Perianth blue. Seeds 3 to 6. CÆSIA 990.
- " Styles and stigmas 3. Perianth white or spotted. Seeds numerous. 414.
- 414 Flowers in umbels, white. Stigma and fruit pointed. Root of thick fibres. BURCHARDIA (umbellata, S.A., 827).
- " Flowers in spikes, often purple spotted. Stigma and fruit blunt. Root bulbous. ANGUILLARIA (australis, S.A., 826).
- 404-414

- 415 Leaves smooth on both surface and margin. 416.  
 " Leaves more or less hairy or rough edged, pointed. Root fibrous. 417.
- 416 Leaves concave, or flat and blunt. Flowers yellowish, in solitary or spiked heads, terminal, unisexual. Bracts several. Styles 3. Fruit 3-seeded. Root fibrous. XEROTES 997.  
 " Leaves cylindric, or flat and pointed, or wanting. Flowers brown or green, not spiked, often lateral, bisexual. Bracts 2. Style 1. Stigmas 3. Fruit many-seeded. Root often creeping. JUNCUS 998.
- 417 Leaves fringed, flat, grassy. Flowers in heads or umbels. Bracts 2. Seeds 3, brown. LUZULA (campestris, S.A., 857).  
 " Leaves usually strongly ribbed, or rough-edged, stiff. Flowers in racemes or panicles. Bract 1. Seeds 6 to many, black. Plants densely tufted. 418.
- 418 Fruit dry, 3-lobed. Leaves 10" to 36". MILLIGANIA 995.  
 " Fruit fleshy, 1 to 3-celled. Leaves 4" to 12". ASTELIA 996.
- 419 Leaves radical, erect, linear, without stipules. Flowers in spikes; fruit in racemes. Perianth-lobes 6. Stamens 6. Stigmas fringed. TRIGLOCHIN 1006.  
 " Leaves scattered, floating, broad, with stipules. Flowers and fruit in spikes. Perianth-lobes 4. Stamens 4. Stigmas normal. POTAMOGETON 1008.
- 420 Leaves crowded at end of branches or on stem-joints. Stem much branched, rooting. Marine plants. 421.  
 " Leaves normal, with stipules. 422.
- 421 Branches clothed with ragged white fibres. Flowers 3 to 6, within a leafy bract, bisexual. Leaves blunt. POSIDONIA (australis, S.A., 876).  
 " Branches normal. Flower solitary, exposed, unisexual. Leaves notched at tip. Stem-joints swollen. CYMODOCEA (antarctica, S.A., 878).
- 422 Flower-stem long, spirally twisted. Flowers usually 2 together, bisexual. Leaves solitary, alternate. Stipules sheathing. RUPPIA (maritima, S.A., 875).  
 " Flower-stem normal, or wanting. Flowers unisexual. Leaves tufted. Stipules adhering to leaf-sheath. 423.
- 423 Flowers exposed, with bract at base. Leaves 1" to 3". Fresh-water plants. ZANNICHELLIA (preissii, S.A., 877).  
 " Flowers within 2 bracts. Marine plants. 424.
- 424 Leaves in pairs, oblong, stalked,  $\frac{1}{2}$ " to 2", with conspicuous mid-rib. HALOPHILA (ovata, S.A., 881).  
 " Leaves normal, sessile, grassy, 6" to 12", without mid-rib. Flowers enclosed in a sheath in the leaf. ZOSTERA 1013.
- 425 Stem simple. Perianth with 4 to 6 lobes. 426.  
 " Stem branched. 427.

- 426 Sheaths blunt. Stamens 4 to 6, protruding. Styles 2 to 3.  
RESTIO 1015.
- " Sheaths pointed, adpressed. Stamens 3, included. Styles 3.  
Perianth-lobes pointed. Stem cylindric. LEPTOCARPUS 1021.
- 427 Sheaths blunt. Stem 3' to 4'. RESTIO (tetraphyllus, S.A.,  
886).
- " Sheaths pointed, adpressed. 428.
- 428 Sheaths with spreading points. Stem climbing or twisted.  
CALOROPHUS 1020.
- " Sheaths normal. Stem cylindric, usually erect, 1' to 5'. 429.
- 429 Stem usually rough, 2' to 3'. Spikelets with 2 to 4 bracts at  
base of perianth. Fruit 3-seeded, opening at the angles.  
LEPYRODIA 1019.
- " Stem smooth, ashy, 6" to 24"; branches usually wavy, slender,  
white, downy. Bracts wanting. Fruit 1-seeded. HY-  
POLENA (fastigiata, S.A., 893).
- 430 Flowers spiked, in 2 opposite rows, nodding. Style 1.  
Perianth-lobes 2. APHELIA 1022.
- " Flowers in a close head, erect. Styles several. 431.
- 431 Bracts 4. Water-plant. TRITHURIA (submersa, S.A., 907).
- " Bracts 2, alternate. 432.
- 432 Perianth-lobes 2. Head with 8 to 16 flowers. CENTROLEPIS  
1023.
- " Perianth-lobe 1, or wanting. Heads with 1 to 4 flowers.  
Plant moss-like. ALEPYRUM 1026.
- 433 Flower solitary, bisexual. Perianth of 2 opposite lobes, soon  
falling. Bristles 6, scale-like, persistent, enclosing fruit.  
Leaves cylindric. Plant densely tufted. On mountain tops.  
OREOBOLUS (pumilio, S.A., 948).
- " Flowers 2 to many, disposed in spikelets. 434.
- 434 Spikelets flattened. Perianth-lobes in 2 opposite rows. Flowers  
bisexual. 435.
- " Spikelets cylindric. Perianth-lobes overlapping all round.  
439.
- 435 Stem stiff, usually stout, 2' to 6'. Spikelets terminal, many-  
flowered. Leaves radical, or at base of stem. 436.
- " Stem slender, often flaccid, weak. 437.
- 436 Spikelets in a round head. Bracts very short. Stem flattened.  
GYMNOSCHÆNUS (sphærocephalus, S.A., 911).
- " Spikelets in an umbel. Bracts much exceeding leaves. Stem  
3-angled. CYPERUS (lucidus, S.A., 908).
- 437 Stems floating, much branched, leafy, often many feet long.  
Spikelet solitary, 2-flowered, terminal. Bristles wanting.  
SCHÆNUS (fluitans, S.A., 909).
- " Stems normal, 1" to 10". Bristles present. 438.

- 438 Bristles 6, densely feathery, equalling perianth. Spikelets clustered, lateral, pale yellow. Leaves 2" to 4". Stem 6" to 18", tufted. On mountains. *CARPHA* (alpina, S.A., 910).
- " Bristles 3 to 6, normal. Spikelets usually 2 or 3-flowered, dark brown. Stem 2" to 12", erect or prostrate. *CHELOSPORA* 1028.
- 439 Stem much branched from base, leafless, with numerous entire sheaths. Stigmas 3 or 4. Bristles wanting. *CAUSTIS* (pentandra, S.A., 947).
- " Stem simple, normal. 440.
- 440 Spikelets in a dense, globose, nearly black, head, sunk in the stem. Stem leafy at base, 6" to 18". Leaves cylindrical. *CHORIZANDRA* (enodis, S.A., 946).
- " Spikelets not so disposed. 441.
- 441 Flowers unisexual. Spikelets terminal. Seed enclosed in combined glumes. Plant grass-like. 442.
- " Flowers bisexual. Seed normal. 443.
- 442 Fruit with a protruding hooked bristle. Spikelet solitary. *UNCINIA* 1056.
- " Fruit normal. Bristles wanting. Spikelets rarely solitary. *CAREX* 1058.
- 443 Stem stout, stiff, 1' to 8'. Spikelets usually numerous. 444.
- " Stem slender,  $\frac{1}{2}$ " to 12", tufted. Spikelets 1 to 6, usually lateral. 448.
- 444 Stem sharply 3-angled. Panicle usually close. Bristles 6. *SCIRPUS* 1039.
- " Stem normal. 445.
- 445 Flowers in a dense globular or conical head. Stem 2' to 4', leafless. 446.
- " Flowers in panicles, often widely spreading. 447.
- 446 Head terminal. Stem hollow, jointed. Bristles 6 to 8. *HELEOCHARIS* (sphacelata, S.A., 917).
- " Head lateral, not sunk in stem. Stem normal, pungent. Bristles wanting. *SOLEPIS* (nodosa, S.A., 925).
- 447 Bristles wanting. Panicle often close. Flower stem rarely flattened. Leaves usually scattered, rarely cutting. Stamens 3 to 6. *CLADIUM* 1041.
- " Bristles 6. Panicle usually large, spreading. Flower stem flattened, or angled. Leaves radical, usually with cutting edges. Stamens 3. *LEPIDOSPERMA* 1049.
- 448 Bristles wanting. Spikes usually lateral, rarely solitary. Stamens 1 to 3. Stem usually leafy. *SOLEPIS* 1034.
- " Bristles 4 to 8. Spike terminal, solitary, erect. Stamens 3. Stem leafless. *HELEOCHARIS* 1032.

- 449 Stem stout, hairy, branching, creeping, rooting. Flowers in round heads or umbels, usually unisexual. Leaves 12" to 18", shaggy. Spikelets 2-flowered. Ligule of numerous hairs. *SPINIFEX* (*hirsutus*, S.A., 975).
- " Stem and leaves normal. Flowers usually bisexual. 450.
- 450 Spikelets clustered at intervals; each cluster with a long bract at its base. Lower pale with a terminal awn. *ANTHISTIRIA* (*ciliata*, S.A., 980).
- " Spikelets normal. 451.
- 451 Spikelets sessile on the stem. 452.
- " Spikelets stalked; stalks usually branched. 458.
- 452 Spikelets placed edgewise to stem, 5 to many-flowered. Glume solitary, facing the stem. *LOLIUM* 1096.
- " Spikelets with flat side to stem. Glumes usually 2. 453.
- 453 Lower pale with terminal awn. Stigma sessile. 454.
- " Lower pale awnless. 455.
- 454 Spikelet solitary, 3 to many-flowered. *TRITICUM* 1098.
- " Spikelets 3 together, from one point; each 1 flowered. *HORDEUM* (*murinum*, S.A., 1029).
- 455 Spikelets 1-flowered, placed on flattened stem. 456.
- " Spikelets 2 or 3-flowered. 457.
- 456 Leaves in 2 opposite rows. Stem 2" to 3". Root creeping. Glume 1. Ligule wanting. Stigma protruding at top of floret. *ZOYSIA* (*pungens*, S.A., 978).
- " Leaves normal. Stem 3" to 9". Root fibrous. Glumes usually 2. Ligule present. Stigma protruding from base of floret. Stem often strongly curved. *LEPTURUS* (*filiformis*, S.A., 977).
- 457 Spikelets embedded in stem, 2-flowered. Upper glume with a sharply reflexed tip. Stem erect. *HEMARTHRIA* (*uncinata*, S.A., 976).
- " Spikelets normal, 3-flowered. Glumes normal. Stem decumbent. *TETRARRHENA* 1068.
- 458 Spikelets on short stalks, forming a compact spike-like head. 459.
- " Spikelets loose, in a spreading panicle. 467.
- 459 Awn on back of lower pale. 460.
- " Awn terminal, or between the notches of pale, or wanting. 463.
- 460 Glumes exceeding florets. Spikelets 1-flowered. Awn straight. 461.
- " Glumes shorter than florets. Spikelets 1 to 4-flowered. Awn twisted. 462.
- 461 Panicle close, dense. Awn conspicuous. Pale solitary. *ALOPECURUS* (*pratensis*, S.A., 968).
- " Panicle interrupted. Awn very short. Pales 2, lower 4-pointed. *AGROSTIS* (*quadriseta*, S.A., 991).

- 462 Awn long, reflexed. Spikelets 1 to 4-flowered. Glumes equal. Stamens 3. Styles normal. Plant normal. *TRisetum* (subspicatum, S. A., 1002).
- " Awn short, erect. Spikelets 3-flowered. Glumes unequal. Stamens 2. Styles long, hairy, protruding. Plant sweet-scented. *ANTHOXANTHUM* (odoratum, S. A., 974).
- 463 Glumes with a long awn. Lower pale with a short awn. Panicle soft, cylindric. Spikelets 1-flowered. *POLYPOGON* (monspeliensis, S. A., 999).
- " Glumes awnless. 464.
- 464 Panicle short, egg-shaped. Spikelets 1-flowered. 465.
- " Panicle long, cylindric. Spikelets 2 to 6-flowered. 466.
- 465 Pale awnless. Glumes broad, exceeding pales, with a conspicuous green mid-rib. *PHALARIS* (canariensis, S. A., 969).
- " Pale with rough stiff awn. Glumes normal. *CINNA* (ovata, S. A., 990).
- 466 Pale awnless. Spikelets with long, white, silky hairs, 2-flowered. *IMPERATA* (arundinacea, S. A., 979).
- " Pale with a long awn-like point. Spikelets normal. 2 to 6-flowered. Panicle interrupted. Ligule wanting, *KOELERIA* (crinata, S. A., 1021).
- 467 Florets silky, or with tufts of hair. 468.
- " Florets smooth, or slightly webbed at base. 469.
- 468 Awn terminal, straight. Florets with long silky hairs. Glumes pointed, much shorter than pales. Stem 3' to 9'. Water-plant. *PHRAGMITES* (communis, S. A., 981).
- " Awn on back, or between notches, of pale. Florets with tufts of hair. Glumes often exceeding pales. Lower pale with 2 awn-like points. Stem 6" to 24". Land plants. *DANTHONIA* 1085.
- 469 Spikelets in rounded clusters at end of a branch, all looking one way, 3 to many-flowered. Glumes pointed, unequal. Pale shortly awned. *DACTYLIS* (glomerata, S. A., 1022).
- " Spikelets normal. 470
- 470 Spikelets 1 to 3-flowered. 471.
- " Spikelets 5 to many-flowered. 479.
- 471 Awn on back of lower pale, or wanting. 472.
- " Awn terminal, or between the notches, often twisted. 475.
- 472 Plant soft, downy. Spikelet 2-flowered; lower floret awnless; upper with short curved awn on back. *HOLCUS* (lanatus, S. A., 970).
- " Plant normal. 473.
- 473 Spikelets 1-flowered. Glumes exceeding floret. Flowers often purple. Lower pale often awned. *AGROSTIS* 1077.
- " Spikelets 2 to 3-flowered. 474.

- 474 Spikelets 2-flowered. Lower floret awned; upper awnless or awned. Flowers pale, often glassy above, bisexual. AIRA 1084.
- " Spikelets 3-flowered. Lower pale often awned. Central floret bisexual, with 2 stamens; lateral florets unisexual, with 1 stamen. Plant sweet-scented. HIEROCHLOA 1070.
- 475 Awns 5; middle one the longest. Glumes very pointed. Spikelet 1-flowered. PENTAPOGON (billardieri, S.A., 989).
- " Awns normal. 476.
- 476 Glumes minute. Spikelets 3-flowered. 477.
- " Glumes large, equalling or exceeding pales. Spikelets 1-flowered. 478.
- 477 Pales much shorter than awn, separated from glumes by a short hairy space. MICROLÆNA (stipoides, S.A., 966).
- " Pales equalling or exceeding awn, normal. Flower stalk wavy. DIPLAX (tasmanica, S.A., 967).
- 478 Awn terminal, usually silky. STIPA 1072.
- " Awn between the notches. DICHELACHNE 1075.
- 479 Lower pale sharply pointed, or awned. 480.
- " Lower pale blunt, awnless. 482.
- 480 Panicle long, 4" to 6", narrow, with upright branches, often pale yellow. Lower pale ribless, awnless. Leaves with incurved margins. Plant quite smooth. GLYCERIA (stricta, S.A., 1015).
- " Panicle not so constructed. Lower pale distinctly ribbed, usually awned. Leaves often flat. 481.
- 481 Leaves soft, more or less hairy. Upper glume 3 to 9-, lower 1 to 3-ribbed. Lower pale 5 to 7-ribbed. BROMUS 1090.
- " Leaves smooth, or slightly rough. Upper glume 3- lower 1-ribbed. Lower pale 3 to 5-ribbed. FESTUCA 1086.
- 482 Spikelets very broad at base, drooping, distant, many-flowered. Glumes much swollen, equal. Lower pale many-ribbed. BRIZA 1093.
- " Spikelets normal, 5 to 7-flowered. Glumes not swollen. 483.
- 483 Upper glume 3-ribbed. Lower pale 5-ribbed, or ribless. Stem tufted. Land-plants. POA 1094.
- " Upper glume 1-ribbed. Lower pale 7-ribbed. Stem creeping. Water-plants. GLYCERIA (fluitans, S.A., 1014).
- 484 Fruit on a special comb-like appendage, raised on a stiff rush-like stem. SCHIZÆA 1122.
- " Fruit on the back or margin of a leaf. 485.
- 485 Fruit protected by an indusium. 486.
- " Fruit without an indusium. 502.
- 486 Indusium placed under the fruit. 487.
- " Indusium placed over the fruit. 490.
- 474-486

- 487 Fruit on back of leaf. Indusium at first globose, then cup-shaped. Leaf 15' to 20' long; stalk clothed with dark glandular warts. Stem erect, 30' to 40'. *CYATHEA* (medullaris, S.A., 1064).
- " Fruit on margin of leaf. Leaf-stalk normal. 488.
- 488 Leaf 2' to 12' long, opaque. Indusium open at the sides. Stem erect, or tufted. *DICKSONIA* 1115.
- " Leaf 1" to 5", transparent. Indusium closed at sides. Stem creeping. 489.
- 489 Indusium tubular, narrow. Fruit protruding. *TRICHOMANES* (venosum, S.A., 1070).
- " Indusium cup-shaped, broad. Fruit enclosed. *HYMENOPHYLLUM* 1119.
- 490 Indusium interrupted, short or round. 491.
- " Indusium continuous, linear. 496.
- 491 Indusium formed by the incurved margin of leaf. Stem creeping. 492.
- " Indusium on back of leaf. 493.
- 492 Leaf smooth, thin; stalk black, shining. *ADIANTUM* (æthiopicum, S.A., 1039).
- " Leaf glandular, downy, stout; stalk greenish, downy. *HYPOLEPIS* (tenuifolia, S.A., 1054).
- 493 Indusium running across the veins, in 1 or 2 rows. *DOODYA* (caudata, S.A., 1041).
- " Indusium on back of veins. 494.
- 494 Indusium slightly curved, cylindric. Fruit much longer than broad. *ATHYRIUM* (australe, S.A., 1049).
- " Indusium normal. Fruit globose. 495.
- 495 Leaf 4" to 8", slender. Indusium attached at base, swollen, pointed. *CYSTOPTERIS* (fragilis, S.A., 1061).
- " Leaf 1' to 2', stout. Indusium attached at centre, flat, round. *ASPIDIUM* 1113.
- 496 Indusium situated on back of vein. *ASPLENIUM* 1109.
- " Indusium formed by the incurved margin of leaf, and therefore running across the veins. 497.
- 497 Leaf simple, or once divided. 498.
- " Leaf much divided. 500.
- 498 Pinnules wedge-shaped. Indusium opening outwards. *LINDSAYA* 1106.
- " Pinnules not so constructed. Indusium opening inwards. 499.
- 499 Fruiting pinnules similar to the others in shape and size. *PLATYLOMA* (falcatum, S.A., 1053).
- " Fruiting pinnules unlike the others, much contracted. *LOMARIA* 1100.

- 500 Leaf slender, 3" to 6" long. Stem tufted. CHEILANTHES (tenuifolia, S.A., 1040).  
 " Leaf coarse, stout, 2' to 4'. Stem creeping. 501.
- 501 Veins free. PTERIS 1107.  
 " Veins mostly netted. LITOBROCHIA 1108.
- 502 Fruit linear to oblong. Veins free. 503.  
 " Fruit globose, or nearly so. 505.
- 503 Leaf simple. GRAMMITIS (australis, S.A., 1052).  
 " Leaf divided. 504.
- 504 Leaf coarse, stout, 2' to 6' long, with linear pinnules. Fern-tree. TODEA (africana, S.A., 1077).  
 " Leaf slender, 2" to 6", with rounded pinnules. Herbaceous. GYMNOGRAMME 1111.
- 505 Leaf stiff, branching in pairs; divisions long, narrow. Stem creeping. GLEICHENIA 1117.  
 " Leaf normal. 506.
- 506 Veins netted. Stem creeping. Leaf 4" to 10" long, simple or lobed. PHYMATODES (billardieri, S.A., 1057).  
 " Veins free. Leaf divided. 507.
- 507 Stem erect. Leaf 12' to 14'. Fern-tree. ALSOPHILA 1116.  
 " Stem creeping or tufted. Leaf 3" to 18". Herbaceous. POLYPODIUM 1112.
- 508 Leaf simple. Veins free. Fruit in spikes. OPHIOGLOSSUM (vulgatum, S.A., 1078).  
 " Leaf divided. Veins netted. Fruit panicled. BOTRYCHIUM 1123.
- 509 Leaves radical, linear. Fruit-stalk leafless, 1" to 2". PHYLLOGLOSSUM (drummondii, S.A., 1081.)  
 " Leaves scattered, never linear. 510.
- 510 Stem pendulous, flaccid, angled. Leaves  $\frac{1}{2}$ " to 1" long. On fern-trees. TMESIPTERIS (tannensis, S.A., 1090).  
 " Stem erect or creeping. Leaves short, stiff, scale-like. 511.
- 511 Stem usually stout, sometimes erect. Spores all of one kind. LYCOPODIUM 1124.  
 " Stem slender, creeping, 2" to 6". Spikes sessile. Spores of two kinds. SELAGINELLA 1129.
- 512 Leaves rounded, alternate, minute. Plant floating. AZOLLA (fliculoides, S.A., 1095).  
 " Leaves long, narrow, conspicuous, tufted. Planted rooted. 513.
- 513 Leaves thickened downwards, straight in bud. Stems tufted. ISOETES 1130.  
 " Leaves thread-like, unfolding spirally. Stems creeping. PILULARIA (globulifera, S.A., 1096).

## SPECIES.\*

- 514 Stem herbaceous, erect, 6" to 12". Flowers usually solitary.  
Leaves usually simple, 3-ribbed. C. GENTIANOIDES 1.  
" Stem woody, climbing. Flowers clustered. 515.
- 515 Anthers with a long point. Leaves simple or with 3 leaflets,  
each usually 3-ribbed. C. ARISTATA 2.  
" Anthers short, normal. Leaves usually with 6 leaflets, each  
1-ribbed. C. MICROPHYLLA 3.
- 516 Corolla white. Leaves with thread-like leaflets. Waterplant.  
R. AQUATILIS 5.  
" Corolla yellow. Leaves normal. 517.
- 517 Fruit rough, wrinkled. Root fibrous. 518.  
" Fruit smooth. Petals exceeding sepals. 519.
- 518 Petals narrow, scarcely exceeding sepals. Lower leaves toothed.  
Stem decumbent. Receptacle smooth. R. PARVIFLORUS 9.  
" Petals much exceeding sepals. Lower leaves much divided.  
Stem erect. Receptacle hairy. R. HIRSUTUS 10.
- 519 Leaves scattered, usually quite smooth. Stem creeping.  
Petals normal, R. RIVULARIS 8.  
" Leaves mostly radical, more or less hairy. Stem tufted. Petals  
often purple outside. 520.
- 520 Leaves hairy. Sepals usually hairy. Style reflexed. Flower  
stem usually with 1 to 3 leaves. R. LAPPACEUS 7.  
" Leaves nearly smooth, or with a few long hairs. Sepals smooth.  
Style straight. Flower stem leafless. R. GUNNIANUS 6.
- 521 Margin of leaves flat or incurved. Flower sessile. 522.  
" Margin of leaves recurved. 524.
- 522 Bracts large, nearly equalling calyx, brown, scarious. Plant quite  
smooth. H. VIRGATA 20.  
" Bracts very small, normal. 523.
- 523 Leaves crowded in tufts,  $\frac{1}{4}$ " to  $\frac{1}{2}$ ", softly hairy. H. FASCICULATA  
19.  
" Leaves scattered,  $\frac{1}{2}$ "  $\frac{3}{4}$ ", usually smooth. H. PROCUMBENS 18.
- 524 Flowers on slender reflexed stalks. Stem usually decumbent.  
525.  
" Flowers sessile, or on very short stalks. 526.
- 525 Leaves pungent, narrow, linear. Branches nearly or quite  
smooth. Stamens 5 to 8. H. ACICULARIS 16.  
" Leaves blunt with a hard point, broad. Branches hairy.  
Stamens 8 to 12. H. BILLARDIERI 15.

\* The numbers following the names of the species refer to their place in the Systematic Arrangement.

- 526 Plant hairy all over. Stamens surrounding the ovary. 527.  
 " Plant smooth, or hairy on young parts only. Stamens 8 to 12.  
 528.
- 527 Leaves  $\frac{1}{4}$ " to  $\frac{1}{2}$ ", hairy. Branches slender. Petals narrow.  
 Stamens 8 to 12. H. HIRSUTA 13.  
 " Leaves  $\frac{1}{2}$ " to  $\frac{3}{4}$ ", with star-shaped down. Branches stout.  
 Petals broadly heart-shaped. Stamens 10 to 12. H.  
 SERICEA 12.
- 528 Stamens surrounding ovary. Leaves  $\frac{1}{4}$ " to  $\frac{1}{2}$ ". Stem decum-  
 bent. Fruit in 3 parts. H. SERPILLIFOLIA 17.  
 " Stamens on one side only of ovary. Leaves  $\frac{1}{4}$ ". Stem usually  
 erect. Fruit in 2 parts. H. STRICTA 14.
- 529 Leaves broad, narrowing downwards, coarsely toothed, placed  
 at ends of branches only. C. RADICATA 29.  
 " Leaves not so constructed. 530.
- 530 Leaves entire, or slightly toothed; stem-leaves arrow-shaped.  
 Flowers minute on a spreading stalk. C. STYLOSA 27.  
 " Lower leaves usually deeply lobed; stem leaves rarely arrow-  
 shaped. 531.
- 531 Flower-stalk spreading. Stem erect, 1' to 2'. Seeds netted.  
 C. DICTYOSPERMA 28.  
 " Flower-stalk erect. Stem often decumbent, 2" to 8". Seeds  
 normal, brown. Leaves sometimes simple. C. HIRSUTA 30.
- 532 Fruit triangular, flattened. Stem leaves clasping, arrow-shaped.  
 Seeds numerous. C. BURSA PASTORIS 37.  
 " Fruit egg-shaped. Stem leaves normal. 533.
- 533 Plant smooth. Seeds 20 to 24. C. ELLIPTICA 35.  
 " Plant minutely downy. Seeds 6 to 8. C. ANTIPODA 36.
- 534 Stem leaves arrow-shaped, hairy. Fruit nearly circular,  
 winged. Stem branched at top only. L. CAMPESTRE 42.  
 " Stem leaves normal, quite or nearly smooth. Fruit egg-shaped,  
 scarcely or not winged. Stem branched throughout. 535.
- 535 Stem leaves linear. Petals wanting. Stamens 2. L.  
 RUDERALE 41.  
 " Stem leaves wedge-shaped. Petals 4. Stamens 6. L.  
 FOLIOSUM 40.
- 536 Stem smooth. Fruit with wrinkled margin. S. CORONOPUS 38.  
 " Stem hairy. Fruit notched. S. DIDYMA 39.
- 537 Leaves much longer than broad, radical. Corolla blue. Sti-  
 pules attached to leaf-stalk. V. BETONICAFOLIA 45.  
 " Leaves more or less rounded. 538.
- 538 Leaves deeply heart-shaped. Corolla white. Stipules free.  
 V. CALEYANA 46.  
 " Leaves scarcely or not heart-shaped. 539.



- 539 Stipules attached to leaf. Spur prominent. V. CUNNING-  
HAMI 47.
- " Stipules free, glandular. Spur minute. Corolla white and  
blue. V. HEDERACEA 48.
- 540 Leaves smooth, with recurved margin. Corolla purple and  
yellow. P. BICOLOR 50.
- " Leaves downy beneath, flat or wavy. Corolla white. P.  
UNDULATUM 51.
- 541 Flower-stalk downy. Young branches hairy. Style very short.  
Fruit yellowish, cylindric, pulpy inside. B. SCANDENS 54.
- " Flower-stalk smooth. Young branches rarely downy. Style  
long, thread-like. Fruit purple, nearly square, hollow. B.  
LONGIFLORA 55.
- 542 Stem twining. Corolla dark blue. Leaves often wanting. C.  
VOLUBILE 56.
- " Stem normal. 543.
- 543 Leaves linear, or wanting. Stem 1' to 3'. 544.
- " Leaves, at least the lower, oblong or lanceolate. 545.
- 544 Leaves few, small, narrow, linear, flat, distant, or often want-  
ing. Corolla bright blue. Stem slender, wiry. C. DE-  
FOLIATUM 60.
- " Leaves normal, with recurved margin, and usually reflexed point.  
Corolla pale purple. Stem shrubby. C. ERICINUM 58.
- 545 Stem much branched, 2' to 6'. Corolla pink. Leaves oblong,  
blunt, with flat or incurved margins. C. RETUSUM 57.
- " Stem simple or slightly branched, 6" to 12". Corolla blue.  
Leaves linear, with flat or recurved margins. C. CALYMEGA  
59.
- 546 Leaves mostly whorled, flat, nearly round. T. CILIATA 61.
- " Leaves alternate, much longer than broad. 547.
- 547 Leaves broad above, narrowing downwards. Stem very gland-  
ular. T. GLANDULOSA 63.
- " Leaves narrow; if broad, not narrowing at base. Stem hairy  
or smooth, rarely glandular. T. PILOSA 62.
- 548 Leaves mostly stalked, egg-shaped to lanceolate. Stem more  
or less hairy. Sepals with very indistinct ribs. 549.
- " Leaves all or mostly sessile. Sepals distinctly ribbed. 550.
- 549 Hairs on stem in alternate rows. S. MEDIA 72.
- " Hairs on stem scattered or wanting. S. FLACCIDA 71.
- 550 Petals wanting, Leaves narrow, very small. Plant quite  
smooth. S. MULTIFLORA 73.
- " Petals present. Plant often slightly hairy. 551.
- 551 Leaves egg-shaped, rarely narrow, pungent. S. PUNGENS 69.
- " Leaves linear, widening at base, normal. S. GLAUCA 70.

- 552 Petals three or four times longer than calyx, large. Fruit with angular edges. Stem usually erect. *M. SILVESTRIS* 83.
- " Petals scarcely exceeding calyx, small. Fruit rounded. Stem prostrate. *M. ROTUNDIFOLIA* 84.
- 553 Lower leaves fleshy, with long stalks. Corolla green. Stamens 8 to 12. *P. SPICATUS* 88.
- " Leaves normal. Corolla white. Stames 12 to 30. 554.
- 554 Plant smooth or hairy. *P. PULCHELLUS* 87.
- " Plant woolly. *P. SIDOIDES* 86.
- 555 Leaves narrow, linear, with recurved margins. *L. MICRANTHUM* 91.
- " Leaves very broad. 556.
- 556 Leaf-margin flat. Bract shorter than calyx. *L. DASYPHYLLUM* 90.
- " Leaf-margin wavy. Bract much exceeding calyx. *L. DISCOLOR* 89.
- 557 Shrub. Flowers in 5 parts. Filaments winged at base. *Z. APICULATUM* 95.
- " Herb. Flowers in 4 parts. Filaments normal. *Z. BILLARDIERI* 96.
- 558 Petals yellow. Leaves alternate. Fruit cylindrical, pointed. Flowers 1 to 4 together. Stem decumbent, branched, rooting. *O. CORNICULATA* 101.
- " Petals white. Leaves radical. Fruit nearly round, blunt. Flower solitary. Stems tufted. *O. MAGELLANICA* 100.
- 559 Petals distinct, spreading, white. Calyx-lobes conspicuous. Flowers erect. Anthers red. *C. ALBA* 102.
- " Petals combined or close, greenish-yellow or red. Calyx-lobes minute or wanting. Flowers drooping. Anthers yellow. 560.
- 560 Leaves conspicuously stalked. Filaments all thread-like. *C. LAWRENCIANA* 104.
- " Leaves nearly sessile. Four of the filaments flattened at base. *C. SPECIOSA* 103.
- 561 Plant densely woolly. Leaves with recurved margins, under 1". *Z. CYTISOIDES* 106.
- " Plant smooth, or slightly downy. Leaves flat, 2" to 3". *Z. SMITHII* 105.
- 562 Leaves all simple. Filaments usually smooth. Flowers terminal. Plant smooth. 563.
- " Leaves divided, rarely also simple. Filaments hairy. Flowers axillary. 564.
- 563 Leaves nearly round, sessile. Sepals blunt. *B. RHOMBOIDEA* 110.
- " Leaves much longer than broad. Sepals pointed. Petals scarcely exceeding sepals. *B. PARVIFLORA* 111.

- 564 Anthers conspicuously pointed. Leaves sometimes simple. Seeds opaque, slightly wrinkled. *B. POLYGALIFOLIA* 109.  
 " Anthers normal. Leaves all divided. Seeds shining, smooth. 565.
- 565 Branches downy. Leaflets crowded, lowest pair close to stem. *B. PILOSA* 108.  
 " Branches smooth. Leaflets distant. *B. PINNATA* 107.
- 566 Branches, at least when young, scaly. Leaves silvery white beneath. Flowers clustered. Stem erect. 567.  
 " Branches downy or smooth. Leaves normal. 568.
- 567 Leaves entire. Branches angular. *E. SQUAMEUS* 119.  
 " Leaves notched at tip. Branches cylindric. Flowers terminal. *E. DAVIESII* 116.
- 568 Flowers clustered, white. Leaves blunt. 569.  
 " Flowers 1 to 3 together. 570.
- 569 Leaf margin entire. Fruit in 5 parts. *E. OLDFIELDII* 118.  
 " Leaf margin deeply toothed. Fruit in 2 to 4 parts. *E. HILLEBRANDII* 117.
- 570 Leaves pointed. Flower in 4 parts, pink. Filaments hairy. *E. VIRGATUS* 113.  
 " Leaves blunt. Flower in 5 parts. 571.
- 571 Leaves nearly cylindric. Flowers white. Stem spreading. Filaments smooth. *E. MONTANUS* 115.  
 " Leaves broader upwards, fleshy. Flowers pink or white. Stem erect. Filaments hairy. *E. OBOVALIS* 114.
- 572 Flower solitary, sessile among leaves. Corolla yellow. *S. PULVINARIS* 120.  
 " Flowers in long spikes. 573.
- 573 Leaves broad above, tapering downwards, often blunt. Corolla spotted with red and orange. Fruit 3-angled or winged. *S. SPATULATA* 123.  
 " Leaves narrow, pointed. Corolla white or yellow. Fruit rounded. 574.
- 574 Leaves narrow, linear,  $\frac{3}{4}$ ". Spike 1" to  $1\frac{1}{2}$ ". Corolla-lobes pointed. *S. FLAVA* 121.  
 " Leaves linear to lanceolate, 1" to 3". Spike 2" to 6". Corolla-lobes blunt. Flowers sweet-scented. *S. LINARLEFOLIA* 122.
- 575 Leaves linear,  $\frac{1}{2}$ " to  $\frac{3}{4}$ ", with recurved margins. Corolla wanting. *P. PHYLICIFOLIA* 127.  
 " Leaves broad, usually egg-shaped to oblong, flat. 576.
- 576 Leaves mostly under 1". Corolla wanting. *P. RACEMOSA* 126.  
 " Leaves 2" to 4". Stem 4' to 10'. 577.
- 577 Leaves toothed. Corolla wanting. *P. APETALA* 125.  
 " Leaves entire, or slightly wavy. Corolla present. *P. ELLIPTICA* 124.

- 578 Leaves linear, with recurved margins. 579.  
 " Leaves broad, egg-shaped to oblong, or nearly round, blunt.  
 580.
- 579 Leaves long, pointed, scattered. Heads terminal, many-  
 flowered. Stem 2' to 3'. *S. ERIOCEPHALUM* 133.  
 " Leaves mostly blunt or notched, crowded. Heads 2 to  
 6-flowered. Stem 4' to 8'. *S. ULICINUM* 134.
- 580 Leaves normal, thin. 581.  
 " Leaves thick, firm, smooth above in age. 582.
- 581 Leaves downy above, with deeply-impressed veins. Branches  
 downy. Stem erect, 6" to 18". *S. PARVIFOLIUM* 129.  
 " Leaves smooth above, normal. Branches soon smooth. Stem  
 prostrate, 4' to 6'. *S. SERPILLACEUM* 128.
- 582 Branches downy, black. Leaf-margin much recurved; veins  
 impressed above. Stem spreading, 1' to 2'. *S. LAWRENCII*  
 132.  
 " Branches normal. Leaf-margin scarcely recurved. Stem  
 erect, 5' to 7'. 583.
- 583 Leaves narrowed downwards. Heads many-flowered. *S.*  
*OBOVATUM* 130.  
 " Leaves blunt at base. Heads few-flowered. *S. GUNNII* 131.
- 584 Leaves pointed, heath-like. Flowers in short leafy spikes.  
 Stem prostrate. *C. ALPINA* 137.  
 " Leaves usually blunt. Flowers mostly solitary. Stem often  
 erect, 6" to 12". *C. AMARA* 136.
- 585 Leaves narrow, linear, under 1". Plant heath-like. *D. ERICÆ-*  
*FOLIA*, 140.  
 " Leaves lanceolate, 2" to 4", usually viscid. Tree. *D. VISCOSA*  
 139.
- 586 Leavy spiny, stiff. Flowers solitary or clustered. *D. ULICINA*  
 143.  
 " Leaves normal, very bitter. Flowers in racemes. *D. LATI-*  
*FOLIA* 142.
- 587 Leaves wedge-shaped or oblong, with a short point, smooth.  
 Flowers in sessile terminal heads. Stipules minute. 588.  
 " Leaves egg-shaped to linear. 589.
- 588 Leaves  $\frac{1}{4}$ " to  $\frac{1}{2}$ ". Heads few-flowered. Stem 1' to 2'. *P.*  
*STRICTA* 147.  
 " Leaves  $\frac{3}{4}$ " to 1". Heads densely-flowered. Stem 3' to 6'. *P.*  
*DAPHNOIDES* 146.
- 589 Margin of leaves recurved. 590.  
 " Margin of leaves incurved, or rarely flat. 592.

- 590 Leaves rough above, shorter than flower-stalk, linear to lanceolate, stiff, pointed. Stipules conspicuous, bristly. Flowers mostly solitary. *P. PEDUNCULATA* 149.
- " Leaves smooth, usually exceeding flower-stalk, mostly blunt. 591.
- 591 Stipules present. Flowers 3 to 8 together, in terminal heads. Leaves egg-shaped to linear, often minute. *P. GUNNII* 148.
- " Stipules wanting. Flowers 1 or 2, in upper axils of leaves. Leaves linear. *P. DIFFUSA* 145.
- 592 Leaves egg-shaped, minute, crowded, blunt. Flowers in leafy heads. Stipules minute. Plant quite smooth. *P. SELAGINOIDES* 155.
- " Leaves linear to lanceolate. Plant more or less silky. 593.
- 593 Flowers several together, usually crowded. 594.
- " Flowers 1 to 3 together. 597.
- 594 Flowers in short leafy spikes. Leaves blunt, hairy. *P. HUMILIS* 154.
- " Flowers in dense terminal heads, sunk in upper leaves. 595.
- 595 Leaves nearly cylindric. *P. HIBBERTIOIDES* 152.
- " Leaves with conspicuous upper surface, often flat. 596.
- 596 Leaves blunt, usually smooth. Stipules wanting. *P. SUBUMBELLATA* 150.
- " Leaves pointed, hairy or rough. Stipules distinct. *P. DENTATA* 151.
- 597 Leaves stiff, pungent, spreading, smooth. Flowers 2 or 3 together. Stem erect. *P. JUNIPERINA* 153.
- " Leaves normal, hairy, very narrow. Flower usually solitary. Stem prostrate. 598.
- 598 Flowers terminal, sessile within 4 to 6 bracts. Stipules small. Plant silvery white. *P. PROSTRATA* 156.
- " Flowers axillary. Stipules conspicuous. 599.
- 599 Flowers nearly sessile. Plant silvery white. On mountains. *P. FASCICULATA* 157.
- " Flowers quite sessile. Plant normal. On sea coast. *P. TENUIFOLIA* 158.
- 600 Flowers axillary, 1 to 3 together. Petals soon falling. *D. FLORIBUNDA* 160.
- " Flowers terminal, rarely also axillary, clustered. 601.
- 601 Plant quite smooth. Calyx narrowed at base. Petals soon falling. Leaves mostly twisted when dry. *D. ERICÆFOLIA* 159.
- " Plant slightly downy. Calyx blunt at base. Petals persistent. *D. CINERASCENS* 161.
- 602 Leaves egg-shaped or lanceolate, pointed, 1" to 2". Fruit stalked. Stem 3' to 5', erect. *P. FORMOSUM* 166.
- " Leaves broad, nearly triangular, with pungent point,  $\frac{1}{2}$ " to 1". Stem straggling or prostrate. 603.

- 603 Flower-stalk exceeding bracts. Fruit stalked. Angles of leaf pungent. *P. TRIANGULARE* 164.  
 " Flower-stalk concealed by the overlapping bracts. Fruit sessile. Angles of leaf often blunt. *P. OBTUSANGULUM* 165.
- 604 Leaves opposite or wanting. 605.  
 " Leaves alternate. 606.
- 605 Branches broad, flat, leafless. *B. RIPARIA* 170.  
 " Branches normal, with opposite heart-shaped leaves. *B. CORDIGERA* 167.
- 606 Leaves blunt, flat, smooth, or nearly so. Flower-stalk hairy, exceeding leaves. Stem prostrate, slender. *B. PROSTRATA* 169.  
 " Leaves pointed, mostly with recurved margin, hairy beneath. Flower-stalk smooth, not exceeding leaves. Stem erect, stout. *B. CINEREA* 168.
- 607 Leaves mostly linear, rusty beneath. Stem erect. *H. LONGIFOLIA* 172.  
 " Leaves egg-shaped to oblong, smooth or slightly hairy beneath. stem weak. *H. HETEROPHYLLA* 171.
- 608 Corolla yellow. Stem usually smooth. Leaflets  $\frac{1}{2}$ " to  $\frac{3}{4}$ ". *L. CORNICULATUS* 175.  
 " Corolla pink or white. Stem usually downy. Leaflets  $\frac{1}{2}$ " to  $1\frac{1}{2}$ ". *L. AUSTRALIS* 176.
- 609 Corolla yellow, minute. 610.  
 " Corolla white or pink. 611.
- 610 Florets in a dense head, numerous. Upper petal deeply furrowed. Stem downy. *T. PROCUMBENS* 179.  
 " Florets loose, 3 to 12. Upper petal scarcely furrowed. Stem smooth or nearly so. *T. MINUS* 180.
- 611 Florets sessile. Flower-stalk short. Calyx downy, swollen in fruit. Seed 1, green. *T. TOMENTOSUM* 177.  
 " Florets stalked. Flower-stalk very long. Calyx smooth, normal. Seeds 2 to 4, brown. *T. REPENS* 178.
- 612 Fruit normal, 1-seeded, black, deeply netted. *M. LUPULINA* 182.  
 " Fruit spiny, many-seeded. 613.
- 613 Leaf-stalk with scattered hairs. Leaves usually purple-spotted. Stipules toothed. Fruit faintly netted, swollen. *M. MACULATA* 184.  
 " Leaf-stalk smooth. Leaves normal. Stipules jagged. Fruit deeply netted, flat. *M. DENTICULATA* 183.
- 614 Leaves much divided. Flowers numerous. 615.  
 " Leaves undivided. 617.

- 615 Leaves with 10 to 15 pairs of leaflets on each division. Fruit flat, 2" to 3", blunt. *A. DISCOLOR* 207.
- " Leaves with 30 to 40 pairs of leaflets on each division. 616.
- 616 Leaves dark green. Branches with yellow down. Fruit contracted between the seeds. *A. DECURRENS* 208.
- " Leaves and branches bluish. Fruit normal. *A. DEALBATA* 209.
- 617 Leaf stiff, with pungent point. 618.
- " Leaf blunt, or with innocuous point. 624.
- 618 Flowers in cylindric spikes. Leaves often whorled, narrow. 619.
- " Flowers in round heads. 621.
- 619 Spike dense, exceeding leaves. Buds round. Corolla 4-lobed. *A. VERTICILLATA* 195.
- " Spike loose, interrupted. Buds egg-shaped. Corolla 3-lobed. 620.
- 620 Spike many-flowered. *A. RICEANA* 196.
- " Spike 3 to 5-flowered. *A. AXILLARIS* 197.
- 621 Leaves more or less triangular, with rib near lower margin. Stem 1' to 2'. *A. VOMERIFORMIS* 198.
- " Leaves linear, equal-sided, with a central rib. 622.
- 622 Leaves broad at base. Branches downy, cylindric. *A. JUNIPERINA* 193.
- " Leaves narrowed at base. Branches smooth. 623.
- 623 Flowers mostly solitary. Corolla 5-lobed. Fruit about 1". Leaves slightly curved. Branches cylindric, or nearly so. *A. SICULÆFORMIS* 192.
- " Flowers usually 2 to 4 together. Corolla 3 to 4-lobed. Fruit 3" to 4". Leaves normal. Branches angular. *A. DIFFUSA* 194.
- 624 Flowers in spikes. Corolla usually 4-lobed. Fruit 3" to 4", often narrow, linear. Leaves 2 to many-ribbed. *A. LONGIFOLIA* 206.
- " Flowers not in spikes. 625.
- 625 Leaf with several ribs and netted veins between them, oblong, blunt. Fruit linear, curved, equalling leaves. Seed with a pink border. *A. MELANOXYLON* 205.
- " Leaf 1 or 2-ribbed. Seed normal. 626.
- 626 Flowers 1 or 2 together. Corolla 5-lobed. 627.
- " Flowers mostly racemed. 628.
- 627 Leaves 1-ribbed, linear, usually blunt. Stem 2' to 3'. *A. STRICTA* 200.
- " Leaves mostly 2-ribbed, oblong to lanceolate, usually pointed, resinous. Stem 10' to 20'. *A. VERNICIFLUA* 199.
- 628 Leaves linear. 629.
- " Leaves mostly oblong to lanceolate, pointed, 1-ribbed. 630.

- 629 Branches sharply angled. Leaves usually with a curved point. Fruit linear. *A. CRASSIUSCULA* 203.  
 " Branches flat, slightly winged. Leaves normal. Fruit oblong. *A. SUAVEOLENS* 202.
- 630 Leaves with several veins rising from base, 2" to 3". Florets several. Corolla 5-lobed. Stem 20' to 30'. *A. PENNINERVIS* 201.  
 " Leaves normal, 1" to 2". Florets 2 to 4 together, large. Corolla 4-lobed. Stem 1' to 2'. *A. MYRTIFOLIA* 204.
- 631 Corolla white. Flower solitary. *G. RENIFOLIUM* 211.  
 " Corolla yellow. Flowers in loose panicles. *G. URBANUM* 210.
- 632 Stem smooth, dwarf, creeping, forming large patches. Flower solitary; stalk shorter than the leaves. Corolla yellow. Fruit scarlet. Leaves  $\frac{1}{2}$ " to  $\frac{3}{4}$ ". On mountains. *R. GUNNIANUS* 214.  
 " Stem prickly, scrambling. Flowers clustered, rarely solitary; stalk exceeding leaves. Corolla pink. Leaves 1" to 5". 633.
- 633 Leaves woolly-white beneath, 1" to 3". Fruit red. *R. PARVIFOLIUS* 215.  
 " Leaves green, slightly hairy beneath, 3" to 5". Fruit purple. *R. FRUTICOSUS* 216.
- 634 Flowers in a long, interrupted spike. Calyx clothed with hooked bristles. Leaflets silky beneath. *A. OVINA* 217.  
 " Flowers in round heads. Calyx with 4 or 5 bristles at top. 635.
- 635 Leaflets hairy on lower surface. Common. *A. SANGUISORBÆ* 219.  
 " Leaflets hairy on lower midrib and margin only. On mountains. *A. MONTANA* 218.
- 636 Flower solitary. Stem often prostrate. 637.  
 " Flowers mostly clustered. Stem erect. 638.
- 637 Flowers on short stalks. Leaves about  $\frac{1}{4}$ ". Stem 2" to 10". *T. INTRICATA* 230.  
 " Flower-stalks mostly exceeding leaves. Leaves minute. Stem minute, purplish. *T. PURPURATA* 228.
- 638 Flowers mostly sessile, in dense clusters. Petals very pointed, exceeding calyx. Stem 2" to 6", simple or branched. *T. VERTICILLARIS* 227.  
 " Flowers mostly on long stalks, in panicles. Petals not exceeding calyx. Stem 1" to 2", much branched, in pairs. *T. MACRANTHA* 229.
- 639 Stem 1-flowered. 640.  
 " Stem 2 to many-flowered. 641.

- 640 Leaves linear, 2" to 6", alternate. Stem 4" to 6". Flowers large. *D. ARCTURI* 231.
- " Leaves rounded, minute, tufted. Stem  $\frac{1}{3}$ " to 1". Flowers minute. Plant moss-like. *D. PYGMÆA* 232.
- 641 Stem leafless. Stipules present. 642.
- " Stem leafy. Stipules wanting. 643.
- 642 Leaves entire, broad above, narrowing downwards. Flowers small, in a one-sided raceme. *D. SPATULATA* 233.
- " Leaves in 2 narrow, linear lobes. Flowers conspicuous, clustered. *D. BINATA* 234.
- 643 Stem-leaves round. Sepals fringed. *D. MENZIESII* 237.
- " Stem-leaves broadly crescent-shaped. 644.
- 644 Sepals fringed. Seeds round or egg-shaped. *D. PELTATA* 236.
- " Sepals smooth. Seeds linear. *D. AURICULATA* 235.
- 645 Leaves whorled; the submerged ones divided or toothed. 646.
- " Leaves not whorled, entire. 647.
- 646 Upper leaves narrow, linear; whorls usually of 5 or 6 leaves. *M. VARIIFOLIUM* 242.
- " Upper leaves mostly lanceolate; whorls usually of 4 leaves. *M. ELATINOIDES* 241.
- 647 Leaves alternate, minute. *M. INTEGRIFOLIUM* 240.
- " Leaves opposite. Flower solitary. 648.
- 648 Leaves linear. Fruit wrinkled. *M. PEDUNCULATUM* 239.
- " Leaves mostly oblong. Fruit normal. *M. AMPHIBIUM* 238.
- 649 Leaves narrowed downwards, rough or hairy. Stem 6" to 12". 650.
- " Leaves rounded at base, opposite. 651.
- 650 Leaves usually alternate, linear. Branches rough at ends. *H. CERATOPHYLLA* 244.
- " Leaves opposite, rarely linear. Branches rough throughout. *H. TETRAGYNA* 246.
- 651 Plant smooth. Bracts wanting. *H. MICRANTHA* 245.
- " Plant rough or hairy. Bracts present. 652.
- 652 Flowers mostly alternate. Stamens 8. Stem 2' to 3', usually erect. *H. TEUCRIOIDES* 247.
- " Flowers mostly opposite. Stamens 4. Stem 2" to 10", ascending. *H. DEPRESSA* 248.
- 653 Leaves 3-angled, oblong, crowded, often pointed, with conspicuous gland-dots. Bracts soon falling. Flower-stalk not exceeding leaves. Fruit flat-topped. Stem often erect. *B. GUNNIANA* 254.
- " Leaves normal, linear to egg-shaped, scattered, blunt, with minute gland-dots. Bracts persistent. Flower-stalk usually exceeding leaves. Fruit convex. Stem spreading or prostrate. *B. DIFFUSA* 253.

- 654 Calyx downy. Fruit 5-celled. 655.  
 " Calyx smooth; lobes often silky. 656.
- 655 Calyx broad, blunt at base. L. LANIGERUM 258.  
 " Calyx narrowed at base, at least when young. L. MYRTIFOLIUM 259.
- 656 Leaves normal, usually blunt, paler beneath. Fruit 10-celled. Perfect seed winged. Plant quite smooth. L. LÆVIGATUM 255.  
 " Leaves stiff. Fruit 4 or 5-celled. Seed normal. Young leaves and branches often downy. 657.
- 657 Leaves with incurved margins, pungent. L. SCOPARIUM 257.  
 " Leaves flat, usually blunt. L. FLAVESCENS 256.
- 658 Leaves, narrow, linear, alternate, stiff, 1 to 3-ribbed, pointed. Flowers yellow or red. M. ERICEFOLIA 265.  
 " Leaves, broad, egg-shaped. 659.
- 659 Leaves 5 to 7-ribbed, stiff, pointed, mostly opposite. Flowers yellow. M. SQUARROSA 263.  
 " Leaves 1 to 3-ribbed. Flowers usually red or pinkish. 660.
- 660 Leaves alternate,  $\frac{1}{4}$ " to  $\frac{1}{2}$ ", pointed. Flower-heads downy. M. SQUAMEA 264.  
 " Leaves mostly opposite, minute, blunt, crowded. Flower-heads smooth. M. GIBBOSA 262.
- 661 Leaves, most or all, opposite, sessile. 662.  
 " Leaves alternate except on youngest branches, rarely sessile. 663.
- 662 Leaves entire. E. RISDONI 269.  
 " Leaves toothed. E. CORDATA 270.
- 663 Fruit, at least when young, distinctly angled. Flowers nearly or quite sessile. 664.  
 " Fruit normal. 665.
- 664 Leaves curved, 5" to 8". Branchlets angled. Flowers large, 1" to 2" across. Stem 20' to 200'. E. GLOBULUS 272.  
 " Leaves normal, 1" to 3". Branchlets cylindrical. Flower  $\frac{1}{2}$ " across. Stem 5' to 15'. On mountain tops. E. COCCIFERA 267.
- 665 Flowers mostly 1 to 3 together. 666.  
 " Flowers mostly 4 to many together. 669.
- 666 Leaves small, 1", varnished, shining. Stem 2' to 4'. E. VERNICOSA 274.  
 " Leaves 2" to 6", normal. 667.
- 667 Each flower on a separate stalk. Fruit nearly globose. Young leaves often hooked at end. E. URNIGERA 273.  
 " Flowers nearly sessile on the common stalk. 668.
- 654-671

- 668 Leaves curved, lanceolate, 3" to 6" ; veins numerous, conspicuous. *E. VIMINALIS* 275.  
 " Leaves straight, mostly egg-shaped, 2" ; veins very indistinct. *E. GUNNII* 277.
- 669 Leaves many-ribbed, 3" to 6", curved, varnished. *E. CORIACEA* 266.  
 " Leaves with 1 main rib, normal. 670.
- 670 Leaves linear to lanceolate, 2" to 4", equal at base. Flower-stalk usually equalling or exceeding leaf-stalk. *E. AMYGDALINA* 268.  
 " Leaves lanceolate to nearly egg-shaped. Flower-stalk shorter than leaf-stalk. 671.
- 671 Leaves usually equal at base, 2" to 4". *E. STUARTIANA* 276.  
 " Leaves very unequal at base, 4" to 6", curved. *E. OBLIQUA* 271.
- 672 Flower solitary. Stamens 6. Upper leaves alternate ; lower opposite. Stem 6" to 8". *L. HYSSOPIFOLIUM* 279.  
 " Flowers in long terminal spikes. Stamens 12 to 14. Leaves opposite or whorled. Stem 2' to 3'. *L. SALICARIA* 278.
- 673 Stem creeping, short, densely leafy. Petals small. *E. CONFERTIFOLIUM* 280.  
 " Stem erect, normal. 674.
- 674 Petals scarcely exceeding sepals. *E. JUNCEUM* 281.  
 " Petals twice as long as sepals. *E. BILLARDIERIANUM* 282.
- 675 Flowers stalked. Leaves shorter than flower-stalk. *M. AUSTRALE* 286.  
 " Flowers sessile or nearly so. Leaves exceeding flower. *M. EQUILATERALE* 285.
- 676 Flowers on long stalks. Leaves 1" to 1½", clothed with shining watery glands. Fruit globose, red. *T. IMPLEXICOMA* 288.  
 " Flowers sessile, or nearly so. Leaves 2" to 4", normal. Fruit oblong, 4 to 8-horned, bluntly 4-angled. *T. EXPANSA* 287.
- 677 Leaves simple. Stipules entire. 678.  
 " Leaves with 3 or more lobes. 679.
- 678 Florets 3 or 4. Leaves 1" to 1½" Fruit normal. *H. ASIATICA* 293.  
 " Florets numerous. Leaves ½" to 1", smooth. Fruit winged. *H. PTEROCARPA* 291.
- 679 Leaves divided to stalk, nearly smooth. Florets few. Stipules entire. *H. TRIPARTITA* 290.  
 " Leaves in lobes more or less shallow. Stipules fringed. 680.
- 680 Stems widely creeping. Leaves hairy. Florets 10 to 40. In damp spots. *H. HIRTA* 289.  
 " Stems tufted, 1" to 2". Leaves usually smooth. Florets few. In dry places. *H. CALLICARPA* 292.

- 681 Leaves scattered. Stem 1' to 3'. T. AUSTRALIS 295.  
 " Leaves radical. Stem 6" to 10". T. HUMILIS 294.
- 682 Stems smooth, densely tufted, 4" to 6". Florets 3 to 5. X. DISSECTA 298.  
 " Stems hairy, spreading or erect. Florets 1 to 3. 683.
- 683 Stem 1' to 2'. Umbels stalked. X. PILOSA 296.  
 " Stem 1" to 3". Umbels often sessile. X. PUSILLA 297.
- 684 Calyx-lobes petal-like, equalling corolla. Florets 6 to 12. Plant usually hairy. A. DICHOPETALA 300.  
 " Calyx-lobes normal. Florets 1 to 3. Plant smooth. A. SAXIFRAGA 299.
- 685 Leaves entire. Florets under 20. Plant smooth or nearly so. D. HYDROCOTYLE 301  
 " Leaves toothed. Florets over 20. Plant hairy. D. CORDIFOLIA 302.
- 686 Leaflets spreading from top of stalk. Umbel solitary. P. GUNNII 312.  
 " Leaflets normal, small. Umbels clustered. P. SAMBUCIFOLIUS 313.
- 687 Leaves broad, egg-shaped, with a short point, rough above, 1" to 1½". Flowers 3 to 5, in small heads. Fruit large, purple, 2-seeded. Stem 4' to 8'. C. HIRTELLA 315.  
 " Leaves normal, small. Flower solitary. Fruit red. 688.
- 688 Corolla-lobes much exceeding tube. Stem erect. 689.  
 " Corolla-lobes shorter than tube. Stem creeping. 690.
- 689 Leaves thin, flat. Fruit round. Stem 6' to 12'. Branches often spiny. Common. C. MICROPHYLLA 316.  
 " Leaves thick, with slightly recurved margin, shining. Fruit egg-shaped. Stem 5' to 6'. Branches rarely spiny. On mountains. C. NITIDA 317.
- 690 Leaves thin, pointed. Calyx of female flower 5-lobed. On mountains. C. PUMILA 318.  
 " Leaves thick, shining, blunt. Calyx of female flower shortly 4-lobed. C. REPENS 319.
- 691 Leaves egg-shaped, ½" to ¾". Fruit with 3 distinct ribs. O. OVATA 321.  
 " Leaves lanceolate to linear, ¼" to ½". Leaf-stalk very short. Fruit with 2 distinct ribs. O. VARIA 322.
- 692 Leaves in whorls of 5 or 6, narrow. Stem with stiff clinging hairs. Fruit with hooked bristles. G. APARINE 329.  
 " Leaves in whorls of 4. 693.
- 693 Fruit bristly. Stem usually wide-spreading. 694.  
 " Fruit smooth, or slightly wrinkled. Stem often short, tufted. 695.

- 694 Stem with stiff clinging hairs. *G. AUSTRALE* 327.  
 " Stem densely clothed with soft hairs. *G. ALBESCENS.* 328.
- 695 Corolla white. Leaves mostly narrow. *G. GAUDICHAUDI* 325.  
 " Corolla yellow. Leaves egg-shaped. *G. CILIARE* 326.
- 696 Leaves smooth or slightly hairy beneath, narrow-linear, usually with recurved margins. 697.  
 " Leaves densely woolly beneath. 700.
- 697 Outer florets 12 to 20. Leaves pointed 698.  
 " Outer florets 6 to 10. Leaves usually blunt. 699.
- 698 Leaves fringed, overlapping. Branches cylindric. Stem 1'.  
*O. CILIATA* 346.  
 " Leaves normal, viscid, gland-dotted. Branches furrowed.  
 Stem 3' to 4'. *O. GLANDULOSA* 345.
- 699 Leaves mostly reflexed,  $\frac{1}{4}$ " ; margin much recurved. Florets about 20, in a sessile flower. Stem 2'. *O. HOOKERI* 344.  
 " Leaves spreading,  $\frac{1}{2}$ " to  $1\frac{1}{2}$ " ; margin slightly recurved. Florets about 40 ; flower shortly stalked. Stem 3' to 5'. *O. GLUTINOSA* 343.
- 700 Leaves with recurved margins, alternate, usually under 1".  
 701.  
 " Leaves flat or nearly so, broad, often exceeding 1". 706.
- 701 Leaves minute, rarely exceeding 1", smooth above. Outer florets less than 6. 702.  
 " Leaves rarely under  $\frac{1}{2}$ ". Outer florets usually 5 to 10. 703.
- 702 Leaves oblong, dense, longer than width of branchlet. *O. FLORIBUNDA* 341.  
 " Leaves nearly round, in clusters at intervals, shorter than width of branchlets. *O. LEPIDOPHYLLA* 342.
- 703 Leaves stiff, pungent, 1' to  $1\frac{1}{2}$ ". Flower usually solitary ; stalk equalling or exceeding leaves. Stem 6' to 12'. *O. PINIFOLIA* 336.  
 " Leaves blunt or scarcely pointed. Flowers sessile or shortly stalked. 704.
- 704 Outer florets minute, not exceeding inner. Flowers solitary, in axils of upper leaves. Young leaves woolly above. *O. AXILLARIS* 339.  
 " Outer florets conspicuous. 705.
- 705 Flowers in leafy spikes. Leaves usually rough above. Young shoots often woolly-white. Hairs star-shaped. Stem 3' to 6'. *O. RAMULOSA* 340.  
 " Flower solitary. Leaves normal, stiff. Young shoots normal. Hairs branched. Stem 6' to 12'. *O. LEDIFOLIA* 337.

- 706 Leaves mostly opposite, entire, lanceolate, 2" to 3". Outer florets 2 or 3. Young branches viscid. Stem 4' to 5'. O. VISCOSA 331.  
 " Leaves alternate. 707.
- 707 Leaves wedge-shaped, 3-toothed,  $\frac{1}{4}$ " to  $\frac{1}{2}$ ". Outer florets 3 or 4. Stem 2. O. OBCORDATA 335.  
 " Leaves normal. 708.
- 708 Outer florets 7 to 12. Leaves stalked, usually toothed. Hairs star-shaped. Stem 3' to 10'. O. STELLULATA 338.  
 " Outer florets mostly 2 to 5. Hairs branched. 709.
- 709 Leaves pointed, stalked. Stem 20' to 25'. Plant musky. O. ARGOPHYLLA 332.  
 " Leaves very blunt. Stem 1' to 3'. 710.
- 710 Leaves mostly sessile, more or less toothed, much netted above. Fruit smooth. O. MYRSINOIDES 333.  
 " Leaves distinctly stalked, entire, smooth above, with slightly-recurved margin. Fruit usually hairy. O. PERSOONIOIDES 334.
- 711 Outer florets not exceeding inner. Flower-stem thickened upwards, scarcely exceeding leaves. Beak very short. L. EMPHYSOPUS 352.  
 " Outer florets normal. Beak usually very conspicuous. 712.
- 712 Leaves 2" to 4". Bracts blunt. Stem 6" to 18". Plant usually hairy. L. HUEGELII 351.  
 " Leaves mostly under 2". Bracts mostly pointed. Stem 2" to 9". Plant usually smooth. L. BILLARDIERI 350.
- 713 Leaves much divided scattered. Pappus conspicuous. Root tufted. 714.  
 Leaves entire, or toothed, or with a few linear lobes. 715.
- 714 Flowers large, 1" to 2" across, with long white outer florets. Stems numerous, stout, hairy, 1' to 2'. B. DIVERSIFOLIA 353.  
 " Flowers  $\frac{1}{3}$ " across; outer florets often lilac. Stem slender, rarely downy. B. CILIARIS 361.
- 715 Leaves narrow, linear, entire or in narrow lobes. 716.  
 " Leaves broad above, narrowed downwards, usually toothed. Pappus conspicuous. 719.
- 716 Stem downy above. Leaves pointed, with prominent mid-rib. Pappus very minute or wanting. Root creeping. B. ANGUSTIFOLIA 356.  
 " Stem quite smooth. Leaves blunt. 717.
- 717 Leaves often lobed, usually radical, 2" to 3". Pappus conspicuous. Fruit not winged. Stem creeping, rooting. B. RADICANS 354.  
 " Leaves all entire. 718.

- 718 Leaves numerous, grass-like, radical, 3" to 10". Pappus conspicuous. Flower large. Fruit winged, downy. Stem tufted, 6" to 18". *B. CARDIOCARPA* 358.
- " Leaves normal, usually scattered, 1" to 5". Pappus wanting. Flowers normal. Fruit not winged. Stem creeping. *B. GRAMINEA* 355.
- 719 Leaves radical, or with one leaf on the stem. Fruit not winged. Stem usually smooth. *B. DECIPIENS* 357.
- " Leaves scattered. Fruit winged. 720.
- 720 Stem hairy, usually branched below, with numerous leaves. *B. STRICTA* 360.
- " Stem nearly or quite smooth, simple, with few leaves. *B. SCAPIFORMIS* 359.
- 721 Leaves sheathing, quite smooth, usually much divided, Receptacle nearly flat. Corolla of outer florets wanting. *C. CORONOPIFOLIA* 366.
- " Leaves normal. 722.
- 722 Leaves linear, entire, smooth or nearly so. Corolla of outer florets wanting. Receptacle flat. *C. FILIFOLIA* 365.
- " Leaves much divided. 723.
- 723 Bracts nearly round. Plant usually smooth, slender. Corolla of outer florets short, swollen. Receptacle conical. *C. REPTANS* 369.
- " Bracts not so formed. 724.
- 724 Bracts narrow, oblong. Plant usually hairy. Flower-stalk slender, usually exceeding leaves. Receptacle nearly flat. *C. AUSTRALIS* 367.
- " Bracts egg-shaped. Flower-stalk stout, rarely exceeding leaves. On mountains. 725.
- 725 Plant smooth. Corolla of outer florets wanting. Receptacle nearly flat. *C. ALPINA* 368.
- " Plant usually hairy. Corolla present. Receptacle conical. *C. FILICULA* 370.
- 726 Flower solitary. Florets 3 or 4. Leaves closely overlapping,  $\frac{1}{4}$ ". *A. FORSTERIOIDES* 372.
- " Flowers clustered. Florets numerous. Leaves spreading,  $\frac{3}{4}$ " to  $1\frac{1}{2}$ ". *A. SCAPIGERA* 373.
- 727 Leaves alternate, blunt, minute. Plant stiff. *C. BROWNII* 375.
- " Leaves, most or all, opposite. 728.
- 728 Flowers white. Leaves mostly blunt. *C. LACTEUS* 376.
- " Flowers yellow. Leaves mostly pointed. *C. CITREUS* 377.
- 729 Leaves rough above, blunt or with reflexed points. *C. ACULEATA* 379.
- " Leaves smooth above, pointed. *C. LONGIFOLIA* 380.

- 730 Leaves pointed, hairy. Bracts brownish, fringed, numerous. Fruit contracted upwards. *L. SQUAMATUS* 386.  
 " Leaves blunt. Bracts normal. Fruit beaked. 731.
- 731 Bracts pointed, narrow. Leaves hairy. *L. ELONGATUS* 387.  
 " Bracts blunt, nearly round. Leaves usually smooth. *L. LINEARIS* 388.
- 732 Plant densely woolly. Leaves 2" to 4", crowded at base. *H. INCANUM* 390.  
 " Plant smooth. Leaves  $\frac{1}{4}$ " to  $\frac{1}{2}$ ", scattered, gland-dotted. *H. ANTHEMOIDES* 389.
- 733 Leaves smooth, or slightly hairy. Flowers 1 or 2 together. 734.  
 " Leaves woolly beneath, often also above. 735.
- 734 Leaves mostly crowded at base. Bracts pink or white. Stem 6" to 8", woolly, white, simple. *H. MILLIGANI* 394.  
 " Leaves scattered. Bracts yellow or white. Stem 1' to 3', downy, often branched. *H. LUCIDUM* 395.
- 735 Flowers clustered, bright yellow. Stem 1' to 3', cottony. 736.  
 " Flowers 1 or 2 together. 737.
- 736 Leaves linear, with recurved margins. Plant usually viscid. *H. SEMIPAPPOSUM* 398.  
 " Leaves tapering to the base, usually flat. *H. APICULATUM* 397.
- 737 Bracts yellow. Leaf-margin recurved. *H. SCORPIOIDES* 391.  
 " Bracts white or pink. 738.
- 738 Leaves scattered, with recurved margins, lanceolate. Stem 1'. *H. LEUCOPSIDEUM* 396.  
 " Leaves mostly radical; stem-leaves smaller. 739.
- 739 Leaves linear, with recurved margin. Stem simple, 4" to 6". *H. PUMILUM* 393.  
 " Leaves oblong, usually flat. Stem usually branched, 6" to 12". *H. DEALBATUM* 392.
- 740 Flowers in dense sessile clusters. Leaves minute, usually scale-like. 741.  
 " Flowers in branched, flat-headed racemes. Leaves normal. 744.
- 741 Branches woolly. Leaves closely adpressed. 742.  
 " Branches smooth. Leaves normal. 743.
- 742 Hairs white. Bracts white-tipped. Florets 2 to 4. Leaves erect, egg-shaped. *O. HOOKERI* 410.  
 " Hairs rusty. Bracts brown-tipped. Florets 15 to 20. Leaves reflexed, round. *O. SCUTELLIFOLIUS* 411.
- 743 Florets 8 to 10. Bracts white-tipped. Leaves spreading. Stem 6" to 12". *O. SELAGINOIDES* 413.  
 " Florets 20 or more. Bracts dark. Leaves erect. Stem 4' to 5'. *O. LYCOPODIODES* 412.

- 744 Leaves broad at top, narrowing downwards, flat or nearly so.  
745.  
" Leaves linear, or tapering upwards, woolly beneath. 747.
- 745 Florets 6 to 8. Bracts yellow, erect, blunt. Leaves woolly  
beneath, notched at tip. Stem 2' to 5'. Panicle dense.  
Branches usually woolly. O. OBCORDATUS 407.  
" Florets 12 or more. Bracts pale brown. Leaves pale beneath,  
entire. Branches smooth. 746.
- 746 Leaves over-lapping,  $\frac{1}{4}$ " to  $\frac{1}{2}$ ". Panicle dense, with short  
branches. Stem 1' to 3'. Bracts distinctly white-tipped.  
O. BACKHOUSII 408.  
" Leaves spreading,  $\frac{1}{2}$ " to 1". Panicle loose. Stem 3' to 4'.  
Bracts scarcely white-tipped. O. ANTENNARIA 406.
- 747 Leaf-margin flat or nearly so. Bracts white-tipped. Branches  
woolly. Stem 6' to 10'. 748.  
" Leaf-margin distinctly recurved. 749.
- 748 Hair on leaves yellow. Branches densely woolly. Plant very  
fragrant. O. GRAVESII 409.  
" Hair on leaves normal. Branches slightly woolly. O. FERRU-  
GINEUS 405.
- 749 Leaves mostly marked above with transverse lines. Bracts  
erect. Branches densely woolly, white. 750.  
" Leaves normal. Bracts white-tipped. Flowers long, narrow.  
751.
- 750 Leaves stem-clasping, usually pointed,  $\frac{3}{4}$ " to 1". Flower top-  
shaped. Bracts normal. O. BRACTEOLATUS 401.  
" Leaves sessile, blunt, 1" to 2". Flowers large, broad. Bracts  
woolly. O. RETICULATUS 399.
- 751 Leaves under  $\frac{1}{2}$ ", crowded, stiff, mostly reflexed. Stem 2'. O.  
LEDIFOLIUS 403.  
" Leaves  $\frac{1}{2}$ " to 1 $\frac{1}{2}$ ". 752.
- 752 Bracts with minute, scarcely-spreading points. Florets  
numerous. Leaves blunt, smooth above. Stem 2' to 6'. O.  
CINEREUS 400.  
" Bracts with distinctly-spreading points. 753.
- 753 Branches densely woolly, white. Flowers in dense heads.  
Florets 10. Fruit hairy. Leaves normal. O. GUNNII 402.  
" Branches normal. Flowers loose. Florets numerous. Fruit  
smooth. Leaves usually rough above. O. ROSMARINIFOLIUS  
404.
- 754 Leaves overlapping, 3" to 4", with dense rusty wool. Flowers  
stalked. A. PLANCHONI 414.  
" Leaves crowded, spreading, 2" to 3". Flowers usually sessile. 755.

- 755 Wool yellowish, nearly disappearing in age. Flowers often stalked. Leaves rather thick. *A. MEREDITHÆ* 416.  
 " Wool silvery white, dense. Flowers sessile. *A. NUBIGENA* 415.
- 756 Floral-leaves oblong, narrowed downwards. Leaves oblong, broad, stalked, woolly above. Stem 6". 757.  
 " Floral-leaves linear or wanting. 758.
- 757 Inner bracts nearly white. On mountain tops. *G. ALPIGENUM* 419.  
 " Inner bracts dark, white-tipped. *G. CANDIDISSIMUM* 421.
- 758 Lower leaves linear, sessile. Stem 1" to 2". *G. INDUTUM* 420.  
 " Lower leaves tapering downwards. Stem 6" to 18". 759.
- 759 Flowers in a dense globose head. Leaves scarcely woolly above. Floral leaves usually present. *G. JAPONICUM* 418.  
 " Flowers in a loose cluster. Leaves densely woolly above. Floral-leaves wanting. *G. LUTEOALBUM* 417.
- 760 Leaves flat. Flowers numerous. Stem 8' to 20'. *B. SALICINA* 423.  
 " Leaves with recurved margins. Flowers 1 or 2 together. Stem 1' to 5'. *B. LINEARIS* 424.
- 761 Outer florets tubular. Flowers cylindric. Leaves usually cottony beneath. 762.  
 " Outer florets strap-shaped; inner tubular. 763
- 762 Leaves deeply lobed. Bracts about 20. Stem 6" to 12". *S. VULGARIS* 434.  
 " Leaves toothed. Bracts about 8. Stem 2' to 3'. *S. ODORATUS* 433.
- 763 Leaves mostly radical. 764.  
 " Leaves scattered. 766.
- 764 Leaves rough above, egg-shaped, blunt. Flower solitary. Outer florets 15 to 20. *S. PAPILLOSUS* 426.  
 " Leaves normal. 765.
- 765 Leaves heart-shaped. Outer florets 10 to 12. *S. PRIMULIFOLIUS* 427.  
 " Leaves linear or oblong. Outer florets 15 or more, often cream-coloured. *S. PECTINATUS* 428.
- 766 Shrub, 8' to 20'. Leaves linear, entire, mostly 2" to 3". Outer florets 4 to 6. *S. CENTROPAPPUS* 425.  
 " Herbs. 767.
- 767 Outer florets 4 to 8. 768.  
 " Outer florets 10 to 20. Flowers broad, bell-shaped. 769.

- 768 Leaves mostly linear, often woolly beneath. Flowers narrow, cylindrical. Outer florets 4 to 6. Stem furrowed. *S. AUSTRALIS* 431.
- " Leaves oblong to lanceolate, smooth. Flowers broad. Outer florets 6 to 8. Stem cylindrical. *S. VELLEYOIDES* 432.
- 769 Stem herbaceous. Outer florets 10 to 15. *S. LAUTUS* 430.
- " Stem woody at base. Outer florets 12 to 20. *S. SPATULATUS* 429.
- 770 Plant slightly hairy, never cottony. Bracts 8 to 10. Fruit short, angled, not contracted above. Leaves with toothed lobes at base, stem-clasping. *E. PRENANTHOIDES* 435.
- " Plant more or less cottony. Bracts 12 or more. 771.
- 771 Bracts 15 to 20. Leaves often rough above. Fruit long, slender, usually contracted at top. *E. HISPIDULA* 438.
- " Bracts less than 15. Leaves smooth. 772.
- 772 Leaves mostly entire, usually linear, with slightly recurved margin. Inner florets mostly 4-lobed. Fruit long, slender, usually contracted at top. *E. QUADRIDENTATA* 437.
- " Leaves mostly toothed or divided, flat. Inner florets 5-lobed. Fruit short, normal. *E. ARGUTA* 436.
- 773 Fruit beaked. Flowers small. *C. ARVENSIS* 441.
- " Fruit scarcely beaked. Flowers 1" to 2½" across. *C. OFFICINALIS* 442.
- 774 Upper surface of leaf very rough; lower cottony. Flowers few, nearly sessile. Stem winged. *C. LANCEOLATUS* 446.
- " Upper surface of leaf smooth; lower normal. Flowers numerous, stalked. Stem normal. *C. ARVENSIS* 447.
- 775 Leaves rough. Flowers 1" to 1½" across. Bracts shorter than flowers. *H. RADICATA* 449.
- " Leaves smooth, or nearly so. Flowers ½" to ¾" across. Bracts equalling flowers. *H. GLABRA* 448.
- 776 Leaves linear, 2" to 9". Stem 6" to 15", simple. Fruit oblong, glandular, hairy. *S. GRAMINIFOLIUM* 456.
- " Leaves minute, scale-like. Stem 1" to 4", often branched. 777.
- 777 Plant quite smooth. Leaves scattered. *S. DESPECTUM* 458.
- " Plant glandular, hairy. Leaves radical. *S. PERPUSILLUM* 457.
- 778 Leaves egg-shaped or nearly round, often minute. Flowers axillary, solitary. Stem creeping, much branched. 779.
- " Leaves, all or the upper only, linear to lanceolate. 781.
- 779 Plant more or less downy. Leaves 2" to 3". Flower-stem much exceeding leaves. *L. PEDUNCULATA* 467.
- " Plant quite smooth. 780.

- 780 Leaves 1" to 2". Flowers nearly or quite sessile. Stems in dense moss-like patches. *L. IRRIGUA* 466.  
 " Leaves  $\frac{1}{2}$ " to 1". Flowers stalked. Stems spreading. *L. SURREPENS* 464.
- 781 Plant more or less downy. Flowers axillary, solitary. Stem creeping. *L. PRATIOIDES* 465.  
 " Plant quite smooth. Stem erect or decumbent. 782.
- 782 Lower leaves linear. Flowers deep blue, on a leafless cylindrical stem. *L. GIBBOSA* 462.  
 " Lower leaves narrowed downwards. Flowers pale blue, on a leafy flattened stem. *L. ANCEPS* 463.
- 783 Flower-stem leafless. Plant quite smooth. On mountains, *W. SAXICOLA* 470.  
 " Flower-stem leafy. Plant often hairy below. Abundant. *W. GRACILIS* 469.
- 784 Flower-stem much exceeding leaves. Calyx 5-lobed. *V. PARADOXA* 471.  
 " Flower-stem shorter than leaves. Calyx 3-lobed. *V. MONTANA* 472.
- 785 Flower-stem much exceeding leaves. Flower usually solitary. Stem-leaves few. 787.  
 " Flower-stem scarcely or not exceeding leaves. Flowers rarely solitary. Bracts present. 788.
- 787 Bracts 2, opposite. Corolla downy. Stem silky. *G. GENICULATA* 476.  
 " Bracts wanting. Corolla and stem nearly or quite smooth. *G. ELONGATA* 475.
- 788 Corolla smooth. Flowers 2 or 3 together, axillary. Shrub 4' to 10'. *G. OVATA* 477.  
 " Corolla downy. Herbs, or rarely woody at base. 789.
- 789 Leaf-margin recurved. Flower solitary, axillary. Corolla glandular. Flower-stem leafy. *G. BARBATA* 478.  
 " Leaf-margin flat. Flowers usually clustered. Corolla normal. Flower-stem nearly or quite leafless. *G. HUMILIS* 474.
- 790 Flower solitary, axillary. Bracts broad, leaf-like. *S. HOOKERI* 479.  
 " Flowers in an interrupted spike. Bracts linear. 791.
- 791 Lower leaves 2" to 3". Stigma-cup hairy at base. Bracts nearly entire. *S. ÆMULA* 480.  
 " Lower leaves 1" to  $1\frac{1}{2}$ ". Stigma-cup fringed. Bracts toothed. *S. MICROCARPA* 481.
- 792 Leaves egg-shaped or rounded, smooth. Flower solitary, axillary. Fruit red. Stem prostrate. *G. ANTIPODA* 487.  
 " Leaves oblong to lanceolate. Flowers in racemes. 793.

- 793 Leaves smooth. Racemes terminal, leafy. Fruit red. Stem spreading. *G. LANCEOLATA* 486.
- " Leaves with rough stalk and mid-rib. Racemes terminal and axillary. Fruit white. Stem erect, 2' to 5'. *G. HISPIDA* 485.
- 794 Leaves scattered, linear, fringed. Corolla red. Filaments normal. Stem prostrate. *A. HUMIFUSUM* 489.
- " Leaves crowded needle-like. Corolla red at base, yellow above. Filaments broader than anther. Stem erect, 4' to 6'. *A. PINIFOLIUM* 490.
- 795 Corolla-lobes smooth. Leaves stiff, tapering to a pungent point, with recurved margins, 3 to 5-ribbed. 796.
- " Corolla-lobes bearded or downy. 797.
- 796 Bracts few. Leaves mostly  $\frac{1}{4}$ " to  $\frac{1}{2}$ ", fringed. Stem 2' to 4'. *C. PARVIFOLIA* 497.
- " Bracts several. Leaves  $\frac{1}{2}$ " to  $\frac{3}{4}$ ", smooth. Stem 5' to 8'. *C. OXYCEDRUS* 496.
- 797 Leaves mostly clustered at end of shoots, many-ribbed. Stem erect. 798.
- " Leaves normal. 799.
- 798 Leaves mostly about  $\frac{1}{2}$ ", often whorled, slightly convex. Corolla white. Fruit 8 to 10-celled. Stem 2' to 10'. *C. GLAUCA* 491.
- " Leaves under  $\frac{1}{2}$ ", normal, slightly concave. Corolla greenish-yellow. Fruit 5-celled. Stem 1' to 2'. *C. STRAMINEA* 492.
- 799 Leaves scattered, spreading or reflexed, narrow, slightly convex, pale beneath, stiff, pungent. Stem 1' to 2'. *C. DIVARICATA* 496.\*
- " Leaves crowded along the branches, mostly erect, not pungent. 800.
- 800 Leaves green beneath, linear, stiff, flat, many-ribbed. Stem 1' to 2', erect. *C. ABIETINA* 495.
- " Leaves pale or white beneath, lanceolate to egg-shaped, blunt, flat or slightly concave. Stem decumbent. 801.
- 801 Leaves 1 or 3-ribbed, snowy-white beneath. Flower solitary. *C. DEALBATA* 494.
- " Leaves many-ribbed, pale beneath. Flowers 1 to 3 together. *C. ADSCENDENS* 493.
- 802 Leaf-margin incurved, tapering to a point,  $\frac{1}{4}$ " to  $\frac{1}{2}$ ". Spike short, dense. Stem 6" to 18". *L. VIRGATUS* 501.
- " Leaf-margin recurved or flat. 803.
- 803 Flowers solitary, equalling or exceeding leaves. Leaf fringed. fruit yellow. Plant decumbent. *L. FRASERI* 505.
- " Flowers in spikes. 804.

- 804 Spike slender, interrupted. Leaves flat, lanceolate, 3-ribbed, blunt or with a hard point. Fruit red. Branches smooth. Ovary 2-celled. *L. LANCEOLATUS* 498.
- " Spike dense, often flat, head-like. 805.
- 805 Leaf minutely fringed, convex, green beneath. Ovary 2-celled. *L. COLLINUS* 503.
- " Leaf entire, flat or convex. Ovary 5-celled. 806.
- 806 Leaves very pale beneath, blunt, 3 to 5-ribbed. *L. HOOKERI* 502.
- " Leaves normal. 807.
- 807 Leaf blunt, with a central point and recurved margin,  $\frac{1}{4}$ " to  $\frac{1}{2}$ ". Spikes head-like. Stem 2' to 5'. Plant sometimes downy. *L. ERICOIDES* 504.
- " Leaf tapering at tip. Spikes cylindrical, many-flowered. Tall shrubs. Plant quite smooth. 808.
- 808 Leaves flat, or at length slightly recurved,  $\frac{3}{4}$ ", rarely 1", slightly broader above the middle. Sepals lanceolate, twice as long as bracts. Fruit white, nearly egg-shaped, many times exceeding calyx. Sea coast plant. *L. RICHEYI* 499.
- " Leaves with recurved margin, 1" to 2", often slightly broader below middle. Sepals nearly egg-shaped, half as long again as bracts. Fruit usually yellow, very depressed, about three times as long as calyx. *L. AUSTRALIS* 500.
- 809 Leaves flat, or slightly convex, broad,  $\frac{1}{2}$ " to 1". Flowers erect. Tree, 20' to 30'. 810.
- " Leaves with recurved margins, narrow,  $\frac{1}{4}$ " to  $\frac{1}{2}$ ". Flowers often nodding. 811.
- 810 Leaves mostly oblong. Spikes terminal and axillary, usually long. Bracts soon falling. *M. ELLIPTICA* 507.
- " Leaves broadly lanceolate. Spikes axillary only, very short. *M. LINEATA* 508.
- 811 Leaves spreading or reflexed. Flowers in short spikes. Corolla and calyx in four parts. Stem prostrate. *M. EMPETRIFOLIA* 510.
- " Leaves normal. Flowers in almost sessile clusters. Corolla and calyx in 5 parts. Stem erect, 2' to 3'. *M. SCOPARIA* 509.
- 812 Leaves blunt or with hard obscure point, flat or slightly concave. 813.
- " Leaves tapering to a pungent point. Corolla-tube hairy inside. 814.
- 813 Leaves overlapping, broadly linear, many ribbed; ribs downy. Flowers in short terminal spikes. Bracts at base of calyx and flower-stalk. Corolla-tube smooth inside, shorter than lobes. Stem 6" to 12". *L. MONTANA* 512.
- " Leaves scattered, egg-shaped, 3-ribbed. Flower solitary, axillary. Bracts at base of flower-stalk. Corolla-tube hairy inside, exceeding lobes; lobes very pointed. *L. DAPHNOIDES* 515.

- 814 Leaves egg-shaped, shortly stalked. Sepals 6, pointed. Flower white, solitary. Corolla 6-lobed. *L. CILIATA* 514.  
 " Leaves linear or lanceolate. 815.
- 815 Sepals blunt, egg-shaped. Flowers in racemes, white or pink. Fruit whitish. Bracts at base of calyx and flower-stalk. *L. STRIGOSA* 511.  
 " Sepals very pointed. Flowers solitary. Fruit red. Bracts at base of flower-stalk. *L. DEPRESSA* 513.
- 816 Leaves with thick recurved margin. Flowers 2 or 3 together. *P. VERTICILLATA* 519.  
 " Leaves flat or concave. 817.
- 817 Corolla-lobes much exceeding tube, reflexed. Anthers protruding. Bracts 8. Leaves many-ribbed, fringed. Branches downy. *P. INVOLUCRATA* 516.  
 " Corolla-lobes shorter than tube. Anthers wholly or partly enclosed. On mountain tops. 818.
- 818 Leaves egg-shaped or oblong, 3-ribbed, minute. Bracts 4. *P. PUMILA* 517.  
 " Leaves linear or lanceolate, 1 or 3-ribbed. Bracts several. *P. ERICÆFOLIA* 518.
- 819 Leaves with recurved margin, egg-shaped, long-stalked. Flower red. Fruit blue. Branches downy. *T. THYMIFOLIA* 521.  
 " Leaves flat or concave, shortly stalked. 820.
- 820 Corolla red. Spike cylindric, reflexed. Leaves lanceolate. Branches smooth. Fruit purple. *T. DISTICHA* 520.  
 " Corolla white. Spike nearly globose. Leaves oblong. *T. GUNNII* 522.
- 821 Leaves heart-shaped or stem-clasping. Sepals and bracts fringed. Stem 1' to 3'. 822.  
 " Leaves not so constructed. 823.
- 822 Flowers numerous along the branches. Anthers enclosed. *E. MICROPHYLLA* 532.  
 " Flowers few, in upper axils. Anthers protruding. *E. ACUMINATA* 533.
- 823 Leaves very blunt. Corolla white. 824.  
 " Leaves pointed, or abrupt with a point. Flowers mostly in terminal heads. 825.
- 824 Flowers in long racemes. Anthers enclosed. *E. OBTUSIFOLIA* 525.  
 " Flowers in close terminal heads. Anthers partly protruding. *E. PETROPHILA* 524.
- 825 Leaves mostly egg-shaped, entire. Sepals not fringed. 826.  
 " Leaves lanceolate to linear. 828.

- 826 Leaves many-ribbed beneath, crowded. Anthers partly or wholly protruding. *E. MYRTIFOLIA* 526.  
 " Leaves 3-ribbed, or ribless. 827.
- 827 Leaves spreading, nearly flat. Corolla-tube exceeding lobes, and slightly exceeding calyx. Anthers partly protruding. Stem often prostrate. *E. SERPILLIFOLIA* 531.  
 " Leaves partly overlapping, rarely spreading, with incurved margin. Corolla-tube equalling lobes, and shorter than calyx. Anthers enclosed. Stem erect. *E. HETERONEMA* 530.
- 828 Leaves not pungent, stalked. Corolla-tube shorter than calyx. Anthers protruding. *E. EXSERTA* 527.  
 " Leaves pungent. Anthers usually enclosed. 829.
- 829 Corolla-tube much exceeding calyx, with 5 hollows near the base. Flowers nodding, red to white. Sepals fringed, very pointed. Leaves entire. *E. IMPRESSA* 523.  
 " Corolla-tube scarcely, or not at all, exceeding calyx, normal. 830.
- 830 Bracts and sepals smooth. Corolla-lobes short. Leaves entire, long-stalked. *E. MUCRONULATA* 528.  
 " Bracts and sepals fringed. Corolla-lobes conspicuous, white. Leaves with rough edges, sessile. *E. LANUGINOSA* 529.
- 831 Flower solitary. Corolla-lobes smooth. Style long. Ovary hairy. Leaves in 2 opposite rows, pointed, fringed. Branches hairy. *A. HIRTELLA* 534.  
 " Flowers in terminal leafless racemes. Corolla-lobes bearded. Style very short. Ovary smooth. Leaves normal, crowded, blunt. Branches smooth. *A. SERPILLIFOLIA* 535.
- 832 Leaves linear or lanceolate. 833.  
 " Leaves mostly broad egg-shaped. 834.
- 833 Leaves tufted at end of branches, over 1". Stamens much exceeding calyx. Corolla red to white. *C. MILLIGANI* 541.  
 " Leaves normal, under  $\frac{1}{2}$ ". Stamens short. Corolla whitish. *C. ACEROSA* 540.
- 834 Leaves with long points, usually reflexed. Anthers fixed at base, deeply 2-lobed. Stem 20' to 30'. *C. PROCERA* 539.  
 " Leaves shortly pointed, stiff, straight. Anthers fixed at back, normal. Stem 2' to 5'. *C. SPRENGELIOIDES* 538.
- 835 Leaves under 2". Panicle narrow, spike-like. 836.  
 " Leaves more than 4", at end of branches or stem. Panicle branched, oblong or pyramidal. 837.
- 836 Panicle almost sessile, dense. Leaves erect, mostly exceeding 1". *R. SCOPARIA* 543.  
 " Panicle long-stalked, interrupted. Leaves mostly spreading, 1". *R. GUNNII* 542.

- 837 Leaves 6" to 12", rough at edge. Corolla conical. R. DRACOPHYLLA 544.
- " Leaves 3' to 5', distinctly toothed. Corolla egg-shaped. R. PANDANIFOLIA 545.
- 838 Plant erect, 3' to 40'. Flowers paniced. Leaves 2' to 3', curled and twisted. D. MILLIGANI 546.
- " Plant densely tufted, moss-like. Flower solitary. Leaves 2" to 3", overlapping, stiff. D. MINIMUM 547.
- 839 Plant clothed with long hairs. Calyx 4-lobed, hairy. Flower-stalk usually short. M. PILOSA 554.
- " Plant smooth or nearly so. Calyx smooth. 840.
- 840 Flower-stalk much exceeding leaves. Calyx 2-lobed. Stem erect or ascending. 841.
- " Flowers nearly sessile. Calyx 4-lobed. Stems in dense patches. On mountains. 842.
- 841 Stem 3" to 5", much branched. Flower-stalk  $\frac{1}{2}$ " to  $1\frac{1}{2}$ ". M. PARADOXA 558.
- " Stem  $\frac{1}{2}$ " to 1", simple or nearly so. Flower-stalk  $\frac{1}{4}$ " to  $\frac{1}{2}$ ". M. DISTYLIS 559.
- 842 Calyx divided to the middle. Leaves usually fringed. M. SERPILLIFOLIA 555.
- " Calyx divided almost to base. Leaves usually smooth. 843.
- 843 Leaves oblong, crowded, often overlapping, stiff, shining, transparent along the margin. M. ARCHERI 557.
- " Leaves nearly round, normal, thick. M. MONTANA 556.
- 844 Leaves egg-shaped,  $\frac{1}{4}$ " to  $\frac{1}{2}$ ". Corolla minute, smooth. L. EXIGUUM 561.
- " Leaves heart-shaped, 1" to 2". Corolla  $\frac{3}{4}$ " across, bearded. L. EXALTATUM 560.
- 845 Bracts narrow, pointed. Corolla yellow, 5-lobed. S. OVATA 564.
- " Bracts egg-shaped, blunt. Corolla whitish, 4-lobed. S. ALBIDIFLORA 565.
- 846 Lower leaf-lobes mostly cut or toothed. Sepals with a short point. Stem more or less hairy. C. ERUBESCENS 567.
- " Lower leaf-lobes entire. Sepals rounded. Stem smooth. C. ARVENSIS 568.
- 847 Stem climbing. Corolla white. Bracts exceeding calyx. C. SEPIUM 569.
- " Stem weak. Corolla pink. Bracts usually shorter than calyx. Coast plant. C. SOLDANELLA 570.
- 848 Plant silky. Leaves with incurved margins. W. HUMILIS 571.
- " Plant smooth. Leaves flat. W. BACKHOUSII 572.
- 849 Anthers and style distinctly protruding. M. SUAVEOLENS 577.
- " Anthers and style enclosed, or with protruding tips only. M. AUSTRALIS 576.

- 850 Bracts wanting. Corolla usually blue. Leaves lanceolate to oblong. Stem erect, hairy. *C. AUSTRALE* 579.  
 " Bracts present. Corolla usually white. 851.
- 851 Leaves egg-shaped. Stem spreading, much branched. Plant rough, warty. *C. LATIFOLIUM* 580.  
 " Leaves lanceolate to oblong. Stem erect, 1' to 2'. Plant hairy. *C. SUAVEOLENS* 578.
- 852 Flowers small, white, in umbels. Fruit black or greenish. Leaves 1" to 2". Stem 12" to 18", often downy upwards. *S. NIGRUM* 582.  
 " Flowers  $\frac{3}{4}$ " to 1", purple, in racemes. Fruit yellow or green. Leaves 4" to 10". Stem 3' to 8', smooth. *S. AVICULARE* 581.
- 853 Leaves nearly or quite smooth, usually sessile or shortly stalked, narrowed at base. Flowers in racemes. 854.  
 " Leaves hairy or downy, distinctly stalked, usually broad and rounded at base. Stem prostrate. 859.
- 854 Leaves entire, or with a few distant prominent teeth. 855.  
 " Leaves distinctly and closely toothed, or divided. 856.
- 855 Shrub 2' to 4', erect. Leaves crowded. *V. FORMOSA* 587.  
 " Herb, decumbent. Leaves scattered. *V. GRACILIS* 590.
- 856 Leaves in long linear lobes. Stem erect, 1' to 2'. *V. NIVEA* 589.  
 " Leaves simple. 857.
- 857 Stem robust, 2' to 3'. Leaves 3" to 4". Racemes many-flowered. Fruit swollen. *V. DERWENTIA* 588.  
 " Stem weak, 6" to 12". Leaves  $\frac{1}{2}$ " to 1", often hairy beneath. Racemes few-flowered. Fruit flattened. 858.
- 858 Stem downy. Leaves broad at base. Fruit slightly notched. *V. PLEBEJA* 593.  
 " Stem with 2 rows of hairs. Leaves narrowed downwards. Fruit normal. *V. DISTANS* 591.
- 859 Flower solitary. Fruit swollen. 860.  
 " Flowers in racemes. Fruit flattened. 861.
- 860 Leaves coarsely toothed, longer than broad. Flower-stalk much exceeding leaves. Flowers large, bright blue. *V. AGRESTIS* 595.  
 " Leaves 3 to 5-lobed, nearly round. Flower-stalk scarcely exceeding leaves. Flowers small, pale blue. *V. HEDERÆ-FOLIA* 596.
- 861 Leaves 1" to 3". Racemes usually many-flowered. *V. NOTABILIS* 594.  
 " Leaves  $\frac{1}{2}$ " to  $\frac{3}{4}$ ". Racemes 2 to 5-flowered. *V. CALYCINA* 592.
- 862 Leaves stem-clasping. Stem erect or ascending. *G. PERUVIANA* 599.  
 " Leaves narrowed at base. Stem decumbent. *G. NANA* 600.

- 863 Leaves deeply 4 to 8-lobed. Anthers smooth or nearly so. Stem smooth. *E. CUSPIDATA* 604.
- " Leaves simple, toothed. Anthers usually bearded. 864.
- 864 Plant usually downy or glandular, not rough. Corolla purple or white, streaked, never all yellow. *E. BROWNII* 603.
- " Plant rough, glandular. Corolla yellow, rarely streaked. *E. SCABRA* 602.
- 865 Leaves much divided, scattered. Corolla yellow. Stem floating. *U. FLEXUOSA* 605.
- " Leaves simple, radical, or wanting. Corolla purple or lilac. 866.
- 866 Flowers scattered, 2 to 4, almost sessile. Leaves minute. *U. LATERIFLORA* 607.
- " Flowers terminal, 1 to 3, distinctly stalked. 867.
- 867 Bract 1. Flower-stem 1". Corolla minute. *U. MONANTHA* 608.
- " Bracts 2 or 3, opposite. Flower-stem 6" to 12". Corolla conspicuous. *U. DICHOTOMA* 606.
- 868 Leaves linear. Flowers 1 to 3 together. Stem prostrate, 2' to 3'. *M. PARVIFOLIUM* 611.
- " Leaves lanceolate to oblong. Flowers clustered. Stem erect, 10' to 20'. *M. INSULARE* 610.
- 869 Calyx densely hairy, white inside. Flowers few, small. Leaves egg-shaped. *M. SATUREJOIDES* 614.
- " Calyx nearly smooth inside. Flowers numerous. 870.
- 870 Stem erect, rough at angles. Flowers large. Leaves lanceolate. *M. AUSTRALIS* 612.
- " Stem prostrate, normal. Flowers small. Leaves usually egg-shaped. *M. GRACILIS* 613.
- 871 Leaves lanceolate, distinctly stalked. Flowers white, tinged with purple, very hairy. *P. LASIANTHOS* 618.
- " Leaves nearly round, blunt. 872.
- 872 Leaves stalked. Flowers purplish, in terminal racemes. Stem 6' to 7'. *P. ROTUNDIFOLIA* 619.
- " Leaves sessile, or nearly so. Flowers white, axillary. Stem 2' to 3'. *P. CUNEATA* 620.
- 873 Leaves tufted at end of stem, 2" to 3", fringed. Flower-stalk with 1 or 2 flowers, scarcely exceeding leaves. Stems densely branched, 1" to 2". *P. GUNNII* 632.
- " Leaves radical. 874.
- 874 Calyx more or less hairy at back. Flower-spike usually exceeding leaves. Leaves 1 to 3-ribbed, more or less hairy. *P. VARIA* 626.
- " Calyx smooth, rarely fringed. 875.

- 875 Leaves 3 to 6-ribbed, entire or minutely toothed. 876.  
 " Leaves 1-ribbed. 877.
- 876 Leaves broadly egg-shaped. Flower-stalk (without the flowers) scarcely exceeding leaves, cylindric. Anthers purple. P. MAJOR 628.  
 " Leaves long, lanceolate. Flower-stalk usually much exceeding leaves, deeply furrowed. Anthers white. P. LANCEOLATA 627.
- 877 Leaves deeply divided in narrow lobes. Spikes cylindric. P. CORONOPUS 629.  
 " Leaves entire or toothed. 878.
- 878 Leaves fleshy, 1" to 2", smooth. Flowers 1 to 3 in heads, not exceeding leaves. P. BROWNII 631.  
 " Leaves normal, 1" to 5", usually hairy. Flowers in cylindric spikes, usually exceeding leaves. P. TASMANICA 630.
- 879 Leaves arrow-shaped or heart-shaped, 1" to 2". Stem climbing to several feet. Flowers spiked. M. ADDRESSA 634.  
 " Leaves egg-shaped or rounded,  $\frac{1}{4}$ " to  $\frac{1}{2}$ ". Stems short, prostrate, 6" to 8", usually in dense patches. Flower usually solitary. M. AXILLARIS 635.
- 880 Flowers in axillary clusters. Stem usually decumbent. Leaves lanceolate to linear. Stipules fringed. P. AVICULARE 641.  
 " Flowers in spikes. 881.
- 881 Leaf-stalks and angles of branches with reflexed bristles. Spikes axillary, branched, exceeding leaves. Flower-stalk glandular. Stem weak, smooth, 2' to 3'. Leaves arrow-shaped, 2" to 4". P. STRIGOSUM 636.  
 " Leaf-stalks and branches normal. 882.
- 882 Spike solitary, usually axillary, short, dense. Stipules fringed. Stem 1' to 2', prostrate, usually with long hairs. P. PROSTRATUM 637.  
 " Spikes terminal, paniced. 883.
- 883 Perianth more or less glandular. Stipules entire, or rarely slightly fringed. P. LAPATHIFOLIUM 640.  
 " Perianth normal. Stipules distinctly fringed. 884.
- 884 Plant smooth, or nearly so. P. MINUS 638.  
 " Plant with closely adpressed hairs. P. SUBSESSILE 639.
- 885 Leaves mostly arrow-shaped, acid. Perianth usually red. Stamens and pistils on separate plants. Stem erect, 6" to 10". R. ACETOSELLA 645.  
 " Leaves normal. Stamens and pistils on the same plant. 886.
- 886 Lobes of perianth entire. Lower leaves 6" to 8", with wavy margin. Stem erect, deeply furrowed. R. CRISPUS 643.  
 " Inner lobes of perianth toothed. 887.

- 887 Stem erect, solid. Teeth 4 to 6, hooked. Flowers bisexual.  
R. BROWNII 642.
- " Stem prostrate, creeping in mud, hollow. Teeth 1 or 2, normal.  
Flowers unisexual. R. BIDENS 644.
- 888 Shrub usually erect. Leaves mostly alternate, usually entire,  
often with recurved margins, pale beneath. Fruit purple.  
R. BILLARDIERI 650.
- " Herb, prostrate. Leaves mostly opposite, usually lobed at  
base, flat, normal. Fruit bright red or yellow. R. NUTANS  
649.
- 889 Plant woolly, shrubby, usually erect. 890.  
" Plant smooth, herbaceous. 891.
- 890 Leaves  $\frac{1}{2}$ " to 1", mostly narrow, brownish. A. PALUDOSA 652.  
" Leaves 1" to 2", mostly broad, white. A. CINEREA 651.
- 891 Leaves fleshy, nearly sessile,  $\frac{1}{4}$  to  $\frac{1}{2}$ . Flowers in axillary clus-  
ters. Plant covered with shining watery glands, prostrate.  
A. CRYSTALLINA 654.
- " Leaves thin, with conspicuous stalks, 1" to 3". Flowers  
panicled. Plant normal, often nearly white, erect. A.  
PATULA 653.
- 892 Leaves white beneath,  $\frac{1}{2}$ " to 1". Stem decumbent. Stamen  
usually 1. Seed brown, shining. Spike leafy at base. C.  
GLAUCUM 655.
- " Leaves usually green, 1" to 3". Stem erect or ascending.  
Stamens usually 5. Seed nearly black. 893.
- 893 Leaves pale green, or more or less mealy beneath. Branches  
erect or ascending. Spikes mostly terminal, leafy at base.  
Seeds shining. C. ALBUM 656.
- " Leaves bright green, sharply toothed. Branches decumbent.  
Spikes rarely terminal, leafless. Seeds opaque. C MURALE  
657.
- 894 Stem erect, bushy. Flowers 3 together. S. ARBUSCULA 661.  
" Stem decumbent. Flowers 5 to 7 together. S. AUSTRALIS 660.
- 895 Flowers in pairs; stalks at length exceeding leaves. Lobes of  
perianth 4. Stamen 1. S. BIFLORUS 662.
- " Flowers clustered; stalks very short. Perianth-lobes 5.  
Stamens 2. S. DIANDER 663.
- 896 Perianth smooth, Stem smooth, threadlike. Fruit egg-shaped,  
yellow or red. C. GLABELLA 665.
- " Perianth downy. Stem stout. Fruit round. 897.
- 897 Young branches downy. Fruit green, normal. C. PUBESCENS  
666.
- " Branches smooth. Fruit waxy. C. MELANTHA 667.
- 898 Leaves hairy. Perianth hairy. 899.  
" Leaves smooth. 904.

- 899 Leaves silvery white beneath, egg-shaped to oblong, or nearly round,  $\frac{1}{4}$ " to  $\frac{1}{2}$ ", opposite. 900.  
 " Leaves normal, sometimes pale or ashy, rarely white. 902.
- 900 Leaves silky above, flat. *P. MILLIGANI* 670.  
 " Leaves smooth above, often convex. 901.
- 901 Hairs long, silky, shining. *P. SERICEA* 675.  
 " Hairs crisp, woolly. *P. NIVEA* 676.
- 902 Leaves mostly alternate.  $\frac{1}{4}$ " to  $\frac{1}{2}$ ", linear to lanceolate, with recurved margin. Perianth yellowish. Bracts 2 to 4. Stem 1' to 2'. *P. CURVIFLORA* 684.  
 " Leaves mostly opposite, 1" to 2", usually flat. 903.
- 903 Bracts 2. Fruit fleshy, black. Stem 6' to 8'. *P. DRUPACEA* 677.  
 " Bracts 4 to 6. Fruit dry. Stem 3' to 6'. *P. CINEREA* 669.
- 904 Plant densely matted, moss-like. Leaves egg-shaped, closely overlapping, fringed. Perianth smooth. On mountain tops. *P. PYGMAEA* 681.  
 " Plant not so constructed. 905.
- 905 Perianth silky. Bracts 4 to 6. 906.  
 " Perianth smooth, or with a few hairs. Bracts smooth or wanting. Branches usually smooth. 911.
- 906 Bracts smooth. 907.  
 " Bracts (some or all) hairy. 908.
- 907 Branches smooth. Flowers white, often nodding, bisexual. Leaves linear to lanceolate. *P. LINIFOLIA* 672.  
 " Branches more or less hairy. Flowers yellow, erect, unisexual. Leaves egg-shaped or rounded. *P. FLAVA* 683.
- 908 Branches smooth. 909.  
 " Branches hairy. 910.
- 909 Leaves bluish beneath, egg-shaped to lanceolate. Flowers erect. Receptacle densely hairy. *P. GLAUCA* 671.  
 " Leaves normal, linear to lanceolate. Flowers usually nodding. Receptacle normal. *P. STRICTA* 685.
- 910 Leaves 1" to 3" long, 1" broad, much veined, spreading. *P. LIGUSTRINA* 673.  
 " Leaves under  $\frac{1}{2}$ ", rarely veined, mostly upright. Bracts often nearly smooth. *P. HUMILIS* 674.
- 911 Leaves linear to narrow lanceolate. Flowers unisexual. Bracts 2 to 4. 912.  
 " Leaves oblong to egg-shaped. Flowers mostly terminal. 913.
- 912 Flowers terminal. Bracts conspicuous. *P. PAUCIFLORA* 680.  
 " Flowers axillary. Bracts small. *P. AXIFLORA* 679.

- 913 Bracts 4 to 6, broad. Perianth yellowish. Flowers unisexual.  
P. SERPILLIFOLIA 682.
- " Bracts wanting. Perianth white to pink. Flowers bisexual.  
P. FILIFORMIS 678.
- 914 Leaves narrow, linear, stiff, pungent. P. JUNIPERINA 692.  
" Leaves wedge-shaped, blunt. P. GUNNII 691.
- 915 Spikes axillary, dense. Leaves lanceolate, smooth or nearly  
so. Branches downy. O. DIVERSIFOLIA 693.  
" Spikes terminal. 916.
- 916 Leaves egg-shaped, coarsely toothed, flat or concave, smooth.  
Branches smooth. O. MILLIGANI 694.  
" Leaves long, narrow. 917.
- 917 Leaves linear, with closely-recurved margin, blunt, downy  
beneath. Branches downy. O. REVOLUTA 695.  
" Leaves cylindric, pointed, smooth. Branches smooth. O.  
ACICULARIS 696.
- 918 Leaves linear. Perianth and stalk smooth. Fruit with a short  
straight beak. H. ULICINA 702.  
" Leaves cylindric. 919.
- 919 Perianth smooth. 920.  
" Perianth and stalk downy. Fruit wrinkled. 921.
- 920 Flower-stalk smooth. Fruit with a short horn at back, nearly  
smooth. H. MICROCARPA 701.  
" Flower-stalk downy. Fruit with a straight beak, much  
wrinkled. H. ACICULARIS 700.
- 921 Leaves 1" to 1½". Flowers 4 to 6 together. Fruit narrow,  
with a prominent crest. Stem 2' to 4'. H. PUGIONIFORMIS  
698.  
" Leaves 2" to 3". Flowers about 8 together. Fruit S-shaped,  
with a short incurved beak. Stem 5" to 10". H. EPIGLOTTIS  
699.
- 922 Leaves divided, nearly or quite smooth. Racemes long, loose.  
Stem 1' to 3'. L. TINCTORIA 704.  
" Leaves mostly simple, densely woolly beneath. Racemes short,  
dense. Stem 4' to 8'. L. POLYMORPHA 705.
- 923 Leaves flat, toothed. Flower-heads 4" to 6", very thick. B.  
SERRATA 707.  
" Leaves with slightly recurved margin. Flower-heads 2" to 3".  
B. MARGINATA 706.
- 924 Spike short, rarely exceeding leaf-stalk, nearly simple. Stem  
9" to 12". U. URENS 711.  
" Spike usually much exceeding leaf-stalk, much branched.  
Stem 2' to 10'. U. INCISA 710.

- 925 Sheaths 6 to 8-toothed. Sheaths of male spike short, not overlapping. 926.
- " Sheaths 9 to 12-toothed. Sheaths of male spike overlapping when young. 927.
- 926 Branchlets smooth, erect. Male and female flowers usually on the same tree. Fruit egg-shaped to oblong. Stem 30' to 40'. *C. SUBEROSA* 713.
- " Branchlets often downy, erect or spreading. Male and female flowers on separate trees. Fruit oblong. Stem usually 2' to 6'. *C. DISTYLA* 714.
- 927 Branches pendulous. Fruit round to egg-shaped. Teeth of sheaths pointed. *C. QUADRIVALVIS* 712.
- " Branchlets erect. Fruit nearly round. Teeth of sheaths bristly. *C. BICUSPIDATA* 715.
- 928 Stipules present. Leaves opposite. Flower-heads very small, axillary. Stem prostrate or spreading. *E. DRUMMONDII* 716.
- " Stipules wanting. Leaves scattered. Flowers in conspicuous umbels, terminal. Stem erect 929.
- 929 Leaves toothed near the tip. Glands of flower rounded. *E. HELIOSCOPIA* 717.
- " Leaves entire. Glands of flower crescent-shaped. *E. PEPLUS* 718.
- 930 Leaves in 2 opposite rows, blunt or notched. Stem erect, tall. Male and female flowers in the same cluster. *P. GUNNII* 727.
- " Leaves normal, blunt or pointed. Stem low, spreading. Male and female flowers on separate plants. *P. AUSTRALIS* 726.
- 931 Tree, 150' to 200'. Leaves evergreen, with scarcely visible veins. *F. CUNNINGHAMI* 729.
- " Shrub, 5' to 8'. Leaves deciduous, with strongly-impressed veins. *F. GUNNII* 730.
- 932 Flowers white, in racemes. Stem 2' to 6'. *L. BILLARDIERI* 733.
- " Flowers greenish-yellow, 3 or 4 together, clustered. Stem 1' to 2'. *L. GLOMERATA* 732.
- 933 Flowers in cylindric spikes. Fruit-stalk red. Leaves persistent tooth-like. Stem 20'. Branches cylindric. *E. CUPRESSIFORMIS* 736.
- " Flowers in axillary sessile clusters. Shrubs. 934.
- 934 Leaves tooth-like, persistent, alternate. Flower-stalk red. Stem prostrate. Branches thick, cylindric. On mountains. *E. HUMIFUSA* 734.
- " Leaves narrow, pointed, soon falling. Flower-stalk white. Stem erect. Branches slender, angular. *E. STRICTA* 735.

- 935 Leaves very blunt, closely adpressed, 1" to 2". Fruit-scales rounded at top. *A. CUPRESSOIDES* 737.  
 " Leaves pointed, loose. 936.
- 936 Leaves flat,  $1\frac{1}{2}$ " to 2". Fruit-scales shortly pointed. *A. LAXIFOLIA* 738.  
 " Leaves incurved 3" to 4". Fruit-scales lanceolate. *A. SELAGINOIDES* 739.
- 937 Cone globular,  $\frac{1}{2}$ " to  $\frac{3}{4}$ ". Leaves slightly bluish. *F. VENTENATII* 740.  
 " Cone egg-shaped,  $\frac{3}{4}$ " to 1". Leaves normal. *F. AUSTRALIS* 741.
- 938 Lower sepals bent downwards. Flower rarely solitary. 939.  
 " Lower sepals erect, usually embracing the upper lobes. Flower usually solitary. 942.
- 939 Leaves narrow, linear to lanceolate. 940.  
 " Leaves broadly egg-shaped, crowded at base of stem, often withering before flowering; upper scale-like. 941.
- 940 Leaves crowded at base of stem, broad; upper scale-like. Lip with long yellow hairs. Stem 1 or 2-flowered. *P. BARBATA* 766.  
 " Leaves alternate, narrow. Lip normal. Stem 3 to 6-flowered. *P. LONGIFOLIA* 769.
- 941 Upper sepal blunt. Stem 5 to 10-flowered. *P. MUTICA* 767.  
 " Upper sepal with a fine point. Stem 3 or 4-flowered. *P. RUFA* 768.
- 942 Leaves alternate or wanting; radical leaves at time of flowering on a distinct stem, or wanting. 943.  
 " Leaves mostly at base of stem; upper often scale-like. Lower sepals usually exceeding upper. 946.
- 943 Leaves on flowering-stem, scale-like below, becoming larger upwards. Flower solitary, large, over  $\frac{1}{2}$ " Lower sepal much exceeding upper. 944.  
 " Leaves wanting. Sheathing-scales 2 or 3. Radical leaves on separate stem, egg-shaped. Flowers 2 to 5, rarely solitary, under  $\frac{1}{2}$ ". Lower sepal not exceeding upper. 945.
- 944 Awns of lower sepal united by a broad, rounded base. Lip very blunt. Radical leaves on separate stem. *P. OBTUSA* 763.  
 " Awns of lower sepal united by a narrow-pointed base. Lip pointed. Radical leaves wanting. *P. PRÆCOX* 762.
- 945 Upper sepal with long points. Radical leaves often present at flowering. *P. PARVIFLORA* 764.  
 " Upper sepal nearly blunt. Radical leaves wanting at flowering. *P. APHYLLA* 765.
- 946 Flowers nodding, large. Stem-leaves scale-like. *P. NUTANS* 757.  
 " Flowers erect. 947.

- 947 Stem-leaves passing gradually from radical leaves, or wanting.  
Flowers large. 948.
- " Stem-leaves abruptly scale-like. 949.
- 948 Upper sepal glandular. *P. CUCULLATA* 760.
- " Upper sepal quite smooth. *P. FURCATA* 761.
- 949 Flowers large, 1". Lip linear, glandular. *P. CURTA* 756.
- " Flowers less than 1". 950.
- 950 Stem downy. Lip linear, smooth. Leaves stalked,  $\frac{1}{4}$ " to  $\frac{1}{2}$ ".  
*P. NANA* 759.
- " Stem smooth. Lip oblong, fringed. Leaves sometimes sessile,  
 $\frac{1}{2}$ " to 1". *P. PEDUNCULATA* 758.
- 951 Lateral sepals reflexed. Lip smooth. Stem 8" to 12". Bract  
1. *C. MAJOR* 770.
- " Lateral sepals normal. Lip warty above. Stem 6" to 7".  
Bract usually wanting. *C. MINOR* 771.
- 952 Upper sepal hood-shaped, much incurved, blunt. Leaf wavy.  
Flowers 1 to 3. *A. VIRIDIS* 774.
- " Upper sepal normal, with projecting point. Leaf even. 953.
- 953 Upper sepal with a short point, under 2". Flowers 3 to 10,  
pink. *A. EXSERTUS* 773.
- " Upper sepal with a thread-like awn, 1" or more long. Flowers  
1 to 3, dark-coloured. *A. CAUDATUS* 772.
- 954 Upper sepal linear; lower cylindric, reflexed. Lip broad  
above, narrowed downwards, with incurved margins. *C.*  
*DIPHYLLA* 779.
- " Upper sepal broad, narrowed downwards; lower linear, erect.  
Lip broadly egg-shaped, flat. *C. GUNNII* 780.
- 955 Perianth-lobes with a long tail, dark red or yellowish. Stem  
downy, 1 or 2-flowered. *C. PULCHERRIMA* 781.
- " Perianth-lobes normal, not so coloured. 956.
- 956 Leaf broad, lanceolate. Flowers 1 to 3, pink. 957.
- " Leaf narrow, linear. 958.
- 957 Petals erect, narrow, linear, much exceeding sepals. Lip  
entire, not fringed. *C. MENZIESII* 787.
- " Petals normal, equalling sepals. Lip deeply 3-lobed, fringed  
near the base. *C. LATIFOLIA* 782.
- 958 Plant quite smooth. Lip normal. Flowers 2 to 6, pink. *C.*  
*SUAVEOLENS* 783.
- " Plant more or less hairy or glandular. Lip often fringed.  
959.
- 959 Flowers 1 to 3, pink. Bract adpressed. *C. CARNEA* 784.
- " Flower solitary, blue. 960.

- 960 Plant downy. Lip fringed, narrowed downwards, scarcely divided. Bract loose. *C. DEFORMIS* 786.
- " Plant nearly smooth. Lip normal, broad at base, 3-lobed. Bract adpressed. *C. CÆRULEA* 785.
- 961 Flower-stem bent alternately to right and left. Bracts leaf-like. Leaves narrow, linear, thick. Flowers 1 to 3. 962.
- " Flower-stem and leaves normal. 964.
- 962 Perianth pink. *T. CARNEA* 794.
- " Perianth yellow. 963.
- 963 Flowers large. Anthers with 2 conspicuous purple appendages at top. Perianth-lobes sometimes pointed. *T. ANTENNIFERA* 796.
- " Flowers small, pinkish outside. Anthers normal. Perianth-lobes blunt. *T. FLEXUOSA* 795.
- 964 Perianth blue, spotted with black. Flowers 1 to many. Anthers with a feathered hood. *T. IXIOIDES* 791.
- " Perianth not spotted. 965.
- 965 Lower leaf broad, lanceolate, very long. Flowers numerous. Perianth pale blue. Anthers with a feathered hood. Stem tall, stout. *T. ARISTATA* 792.
- " Lower leaf narrow, linear. Stem slender. 966.
- 966 Anther with feathered hood. Flowers about 4 to 10. Perianth blue to pink. Leaf long. *T. LONGIFOLIA* 793.
- " Anther normal. Flowers 1 to 3. Perianth blue or white. Leaf short. *T. CYANEA* 797.
- 967 Perianth without deep purple blotches. 968.
- " Perianth blotched with dark purple or brown. 969.
- 968 Perianth pale yellow, or darker at base; petals pointing forward; lower sepals parallel with petals, or slightly curved. Lip downy in centre; lateral lobes smaller. Flowers usually 1 or 2. Leaves 3 to 5. *D. PEDUNCULATA* 800.
- " Perianth dull yellow, clouded with red, spreading; lower sepals usually reflexed. Lip smooth; lobes nearly equal. Flowers about 3 to 5. Leaves 2 or 3. *D. LONGIFOLIA* 802.
- 969 Leaves 6 to 8. Stem 4" to 5". Lower sepals much exceeding petals, scarcely curved. *D. PALUSTRIS* 798.
- " Leaves 1 to 4. Stem 6" to 18". Lower sepals usually reflexed. 970.
- 970 Petals spotted; lower sepals usually crossing each other, scarcely exceeding petals. *D. MACULATA* 799.
- " Petals yellow, purple downwards; lower sepals normal, much exceeding petals. *D. SULPHUREA* 801.

- 971 Leaf conspicuous, often exceeding stem. Spike 2" to 6".  
Upper sepal 3" to 4". Stem usually 1' to 2', often stout.  
Flowers usually greenish. 972.
- " Leaf reduced to a sheathing scale near the flower. Spike  $\frac{1}{2}$ " to 1".  
Upper sepal minute. Stem 6" to 10", very slender.  
Flowers usually pink or red. 977.
- 972 Ovary oblong to egg-shaped, with stalk nearly or quite equalling  
bract. 973.
- " Ovary lengthened, narrow, sessile. 975.
- 973 Lip-margin even. Perianth greenish or dark. Stem 1' to 2'.  
P. FUSCUM 809.
- " Lip-margin wavy. Perianth pale whitish. 974.
- 974 Leaf-blade long, often drooping. Lateral sepals normal. Stem  
1' to 3'. P. PATENS 808.
- " Leaf-blade usually short. Lateral sepals united nearly to the  
end. Stem 8" to 12". P. BREVILABRE 807.
- 975 Leaf-blade short, scarcely 1", erect. P. FLAVUM 805.
- " Leaf-blade usually equalling stem, drooping. 976.
- 976 Lip swollen at base. Spike 3" to 6". P. AUSTRALE 804.
- " Lip normal. Spike 4" to 9". P. ELATUM 806.
- 977 Lip fringed. Ovary reflexed. 978.
- " Lip with a smooth margin. 979.
- 978 Lateral sepals swollen at base. P. ARCHERI 814.
- " Lateral sepals normal. P. INTRICATUM 815.
- 979 Perianth pale, yellowish. Lip narrow. P. BRACHYSTACHYUM  
812.
- " Perianth dark-coloured. 980.
- 980 Sepals broadly-lanceolate, swollen at base. P. NIGRICANS 810.
- " Sepals narrow-lanceolate, normal, reflexed. 981.
- 981 Upper sepal egg-shaped. P. RUFUM 811.
- " Upper sepal pointed, tapering. P. DESPECTANS 813.
- 982 Perianth white; petals yellow at base. Leaves  $\frac{1}{4}$ " broad. D.  
MOREA 816.
- " Perianth blue and yellow. Leaves  $\frac{1}{2}$ " to  $\frac{3}{4}$ " broad. D. LATI-  
FOLIA 817.
- 983 Perianth-tube hairy at base, scarcely or not protruding. Flower-  
stem usually exceeding leaves, swollen upwards. Bract  
normal. P. LONGISCAPA 819.
- " Perianth-tube smooth, protruding. Flower-stem usually much  
shorter than leaves. Bract marked with longitudinal lines.  
P. GLAUCA 818.
- 984 Plant more or less hairy. Anthers arrow-shaped. H. HYGRO-  
METRICA 822.
- " Plant quite smooth. Anthers normal. H. GLABELLA 823.

- 985 Margin and midrib of leaves rough. 986.  
 " Margin and midrib of leaves smooth. Leaves mostly at base.  
 987.
- 986 Anthers shorter than thickened apex of filaments. Leaves 4'  
 to 5' long, 1" broad. Stem 4' to 5', rarely leafy. D. TAS-  
 MANICA 832.
- " Anthers much exceeding the thickened apex of filaments.  
 Leaves short, narrow. Stem 1' to 3', often leafy. D.  
 ELEGANS 831.
- 987 Anthers much exceeding the thickened apex of filaments.  
 Leaves narrow, linear, with long sheaths; margin recurved  
 when dry. Stem 1' to 4'. D. REVOLUTA 830.
- " Anthers equalling filaments. Leaves broad, linear. Stem 3'.  
 D. LONGIFOLIA 829.
- 988 Filaments bearded throughout, much exceeding anthers, about  
 equalling sepals. A. PANICULATUM 835.
- " Filaments nearly smooth, much shorter than the anthers and  
 the sepals. A STRICTUM 834.
- 989 Raceme dense at top. Filaments all bearded. Rootlets thick,  
 fleshy. B. BULBOSA 837.
- " Raceme loose. Inner filaments only bearded. Rootlets thin,  
 fibrous. B. SEMIBARBATA 836.
- 990 Flowers sessile, or nearly so. Perianth normal, linear. Leaves  
 2 to 3, linear, 6" to 8". Stem  $\frac{1}{2}$ " to 1". Fruit rounded. C.  
 ALPINA 841.
- " Flowers on conspicuous branches. Perianth twisted after  
 flowering. 991.
- 991 Perianth-lobes egg-shaped. Leaves 2" to 3", shorter than  
 stem. Fruit oblong, narrowed below. Seeds shining, flat-  
 tened. C. CORYMBOSA 838.
- " Perianth-lobes linear. Leaves 3" to 7". Fruit rounded.  
 Seeds opaque, globose. 992.
- 992 Raceme branched throughout. Filaments usually purplish,  
 bent at base. C. VITTATA 840.
- " Racemes branched at base. Filaments white, erect. Perianth  
 white within. C. PARVIFLORA 839.
- 993 Stem wanting. Flower-stems several, exceeding spike. Spike  
 4" to 10". X. MINOR 847.
- " Stem 1' to 6', woody, resinous. Flower-stem solitary, often  
 shorter than spike. Spike 1' to 4'. X. AUSTRALIS 848.
- 994 Sepals fringed. Leaves slender, thread-like. X. OPERCULATA  
 850.
- " Sepals smooth. Leaves flat, usually twisted. X. GRACILIS 849.
- 995 Leaves 1' to 3'. Panicle loose. M. LONGIFOLIA 851.
- " Leaves 6" to 12". Panicle dense. M. DENSIFLORA 852.

- 996 Leaves 6" to 12". Fruit egg-shaped, red. *A. ALPINA* 854.  
 " Leaves 18". Fruit globose, green. *A. STYLOSA* 853.
- 997 Leaves 2-lobed at end. Flowers paniced. *X. LONGIFOLIA* 856.  
 " Leaves entire, blunt. Male flowers in heads on a spike; female flowers in a solitary, nearly sessile, head. *X. GLAUCA* 855.
- 998 Leaves cylindric or wanting. Flowers lateral. 999.  
 " Leaves not cylindric. 1001.
- 999 Panicle dark-brown. Flowers numerous, crowded. Fruit dark-brown. Stem 2' to 3'. Sheaths at base adpressed. *J. MARITIMUS* 862.  
 " Panicle quite pale, usually loose. Flowers distinct. Fruit light green. 1000.
- 1000 Panicle much branched, erect, 2" to 4". Flowers very numerous. Stamens 6. Stem 3' to 5', stout. Sheaths at base large, loose, blunt. *J. VAGINATUS* 863.  
 " Panicle usually loose, of few branches, and few-flowered. Stamens 3. Stem 1' to 2'. Sheaths at base adpressed. *J. COMMUNIS* 864.
- 1001 Leaves flattened. Pith jointed within. Flowers crowded in long stalked heads. Fruit pointed. Stem 1' to 2'. *J. HOLOSCHÆNUS* 861.  
 " Leaves linear. Pith continuous. 1002.
- 1002 Stems scattered on a creeping root-stock. Leaves few. Stamens 6. 1003.  
 " Stems tufted. Leaves numerous. 1004.
- 1003 Flowers in terminal solitary globose heads. Fruit dark brown, about equalling perianth. *J. FALCATUS* 860.  
 " Flowers 1 to 3 together, scattered. Fruit pale, slightly shorter than perianth. *J. BROWNII* 865.
- 1004 Leaves broad, flat. Flowers dark brown, terminal. Stamens 3. *J. PLANIFOLIUS* 858.  
 " Leaves narrow, linear, with incurved margin. Flowers lateral. Stamens 6. 1005.
- 1005 Stem simple. Flowers dark brown. Perianth about equalling fruit. *J. CÆSPITIUS* 859.  
 " Stem much branched. Flowers pale. Perianth much exceeding fruit. *J. BUFONIUS* 866.
- 1006 Fruit narrow, linear. Flower-stems several, with 5 to 10 minute flowers. Leaves very narrow,  $\frac{1}{2}$ " to 1", blunt. Plant 1" to 3". *T. NANUM* 869.  
 " Fruit more or less rounded. Flower stem solitary, with numerous flowers. 1007.

- 1007 Leaves pointed. Outer perianth-lobes egg-shaped, usually pointed. *T. STRIATUM* 868.  
 " Leaves blunt, floating. Outer perianth-lobes broad, rounded. *T. PROCERUM* 867.
- 1008 Leaves linear. 1009.  
 " Leaves much wider in the middle. Stipules free. 1010.
- 1009 Leaves bristle-like, 1-ribbed. Stipules sheathing. Stem cylindrical. *P. MARINUS* 874.  
 " Leaves broader, 3-ribbed. Stipules free. Stem flattened. *P. OBTUSIFOLIUS* 870.
- 1010 Leaves 3-ribbed, oblong, with concave tips. *P. PRÆLONGUS* 871.  
 " Leaves 5 to many-ribbed, normal. 1011.
- 1011 Stipules small, soon falling. Leaves all submerged. *P. PER-FOLIATUS* 872.  
 " Stipules 1 to 4, persistent. Leaves mostly floating. *P. NATANS* 873.
- 1012 Leaves convex on both sides. Male and female florets usually distinct. Male spike brown, at length whitish. *T. MUELLERI* 883.  
 " Leaves flat at base on the inside. Male and female florets usually continuous. Male spike chestnut. *T. BROWNII* 882.
- 1013 Sheathing-leaf swollen, broader than the others, entire. *Z. TASMANICA* 880.  
 " Sheathing-leaf normal, toothed at end. *Z. MUELLERI* 879.
- 1014 Plant toothed, stalked, much longer than broad. *L. TRISULCA* 885.  
 " Plant entire, stalkless, nearly round. *L. MINOR* 884.
- 1015 Stem much branched, 3' to 4', cylindrical. Sheaths woolly at mouth. Panicle large, much branched. *R. TETRAPHYLLUS* 886.  
 " Stem simple. Panicle scarcely branched. 1016.
- 1016 Stem much flattened, 6" to 24". *R. COMPLANATUS* 887.  
 " Stem cylindrical. 1017.
- 1017 Sheaths cut off square, loose, spreading. Perianth-lobes rounded. Panicle close, nearly round. Stem 6" to 12". *R. OLIGOCEPHALUS* 888.  
 " Sheaths usually blunt. Perianth-lobes pointed. 1018.
- 1018 Sheaths adpressed. Perianth-lobes 4. Stem 1' to 4'. *R. GRACILIS* 890.  
 " Sheaths loose. Perianth-lobes of male flower 6, of female 4. Stem 1' to 2'. *R. AUSTRALIS* 889.

- 1019 Stem quite simple. Panicle close. Male and female flowers usually on same plant. Perianth-lobes nearly equal. Anthers blunt. *L. STRICTA* 891.
- " Stem branched at top. Panicle branched. Male and female flowers usually on separate plants. Outer perianth-lobes of male flowers shorter. Anthers pointed. *L. PANICULATA* 892.
- 1020 Sheaths woolly at mouth. Perianth-lobes about equal. Female flowers sessile. Styles soon falling. Stem 2' to 6'. *C. LATERIFLORUS* 895.
- " Sheaths normal. Inner perianth-lobes broader, much exceeding outer. Female flower-stalks 1" to 2". Styles remaining on fruit. Stems many feet long, very intricate. *C. ELONGATUS* 894.
- 1021 Stem 1' to 2'. Male spikelets usually nodding; perianth-lobes 4 or 5. Female flowers sessile; perianth-lobes tapering, or ending abruptly in a hard point, equalling male. *L. SIMPLEX* 896.
- " Stem 2' to 5'. Male perianth-lobes 4. Female flowers nearly sessile; lobes with short tapering points, much exceeding male. *L. TENAX* 897.
- 1022 Spike distinctly nodding. Bracts all smooth. *A. GRACILIS* 898.
- " Spikes nearly erect. Upper bracts fringed. *A. PUMILIO* 899.
- 1023 Bracts blunt; lower only hairy. *C. PULVINATA* 903.
- " Bracts with a terminal awn. 1024.
- 1024 Bracts quite smooth, much shorter than awns. *C. ARISTATA* 900.
- " Bracts hairy, equalling or exceeding awns. 1025.
- 1025 Leaves hairy. Stem downy. Bracts pointed. *C. TENUIOR* 901.
- " Leaves smooth, with hairy sheaths. Stem smooth. Bracts equalling awn. *C. FASCICULARIS* 902.
- 1026 Lower bracts awned; upper blunt. Flowers 4. Ovaries 6 to 8. *A. GLABRUM* 906.
- " Bracts all awned; lower longer. 1027.
- 1027 Leaves exceeding stem. Flowers 4. Ovaries 6 to 8. *A. MUSCOIDES* 904.
- " Leaves shorter than stem. Flowers 1 or two. Ovaries 10 to 20. *A. POLYGAMUM* 905.
- 1028 Leaves scattered. Stem tufted. 1029.
- " Leaves radical, or wanting. Stem creeping. 1030.

- 1029 Stem erect. Spikelets 3 to 6. Upper scales blunt, lower pointed. Leaves crowded, with long points. *C. IMBERBIS* 916.
- " Stem prostrate. Spikelets 1 or 2. Scales pointed. Leaves alternate, in 2 rows, blunt. *C. AXILLARIS* 915.
- 1030 Spikelets 5 to 10, sessile. Scales broadly egg-shaped, dark, blunt. *C. NITENS* 914.
- " Spikelet solitary; if 2, the second stalked. 1031.
- 1031 Spikelets lateral, 1 or 2. Leaves not exceeding stem. *C. CAPILLARIS* 913.
- " Spikelet terminal, solitary. Leaves exceeding stem. *C. TENUISSIMA* 912.
- 1032 Stem stout, hollow, 2' to 6'. Spike 2" to 4". *H. SPHACELATA* 917.
- " Stem slender, normal, 6" to 12". Spike  $\frac{1}{4}$ " to  $\frac{1}{2}$ ". 1033.
- 1033 Stem slightly compressed. Bristles 8. *H. PALUSTRIS* 918.
- " Stem angled. Bristles 1 to 3, or rarely wanting. *H. ACICULARIS* 919.
- 1034 Stem stout, 2' to 3', leafless, pungent. Flowers in a round lateral head. *I. NODOSA* 925.
- " Stem slender, often flaccid. 1035.
- 1035 Stem with a single leaf at base. 1036.
- " Stem with several leaves at base, sometimes also leafy. 1037.
- 1036 Leaf bristly. Spikelets 1 to 3, often almost terminal. Scales pale. Stem 1" to 6", marked with lines. Stamens 2 or 3. *I. SETACEA* 921.
- " Leaf narrow, linear. Spikelets 4 to 8, many-flowered, with long bracts. Scales dark. Stem 2" to 3", smooth. Stamen solitary. *I. GAUDICHAUDIANA* 922.
- 1037 Spikelets mostly terminal, 1 to 7-flowered. Stem leafy, rooting at joints, usually floating in matted patches. *I. FLUITANS* 920.
- " Spikelets distinctly lateral. 1038.
- 1038 Stem usually flaccid, with clusters of leaves and flowers at intervals; often prostrate, 1" to 12", flattened or angular. Spikelets 2 to 20, with a short bract. Stamen 1. *I. PROLIFERA* 924.
- " Stem usually stiff, erect, 1" to 4". Spikelets 3 to 6, rarely solitary, with a long bract. Stamens 3. *I. CARTILAGINEA* 923.
- 1039 Stem leafless, cylindric. *S. LACUSTRIS* 927.
- " Stem leafy, angled. 1040.
- 1040 Spikelets lateral. Stem 1' to 2'. *S. PUNGENS* 926.
- " Spikelets terminal. Stem 2' to 3'. *S. MARITIMUS* 928.

- 1041 Plant leafless. Stem cylindric, slender; lower sheath with reflexed leaflet. Root creeping. *C. JUNCEUM* 837.  
 " Plant normal. 1042.
- 1042 Leaves radical. Spike much narrowed. 1043.  
 " Leaves scattered. Stem cylindric. 1044.
- 1043 Sheaths red-brown. Scales smooth. Stem cylindric, 1' to 2', about equalling leaves. *C. GUNNII* 936.  
 " Sheaths pale. Scales slightly hairy, fringed. Stem more or less flattened, 6" to 18", often shorter than leaves. *C. SCHLENOIDES* 935.
- 1044 Leaves flat, very rough edged. 1045.  
 " Leaves not flat. 1046.
- 1045 Spikelets in a long much divided black panicle. Stem 5' to 10'. Fruit red, supported by the dried filaments. *C. PSITTACORUM* 932.  
 " Spikelets crowded in numerous stalked brown heads. Stem 2' to 4'. Fruit pale brown, normal. *C. MARISCUS* 929.
- 1046 Leaves cylindric, tapering; stem-leaves usually short. Panicle contracted, 2" to 4". Scales egg-shaped, dark brown, fringed, very pointed. Bracts large, broad, sheath-like. Stem 1' to 2'. *C. GLOMERATUM* 934.  
 " Leaves concave, exceeding stem. Stem 2' to 4'. 1047.
- 1047 Panicle branched, spreading, black. Stamens 3. *C. RADULA* 931.  
 " Panicle contracted. 1048.
- 1048 Perianth-lobes pointed. Stamens 3. Fruit black. *C. MELANOCARPUM* 933.  
 " Outer perianth-lobes awned. Stamens often 4. Fruit pale brown. *C. FILUM* 930.
- 1049 Stem hollow in centre, flat, 3' to 5'. Panicle 4' to 7', erect. *L. LONGITUDINALE* 943.  
 " Stem solid. 1050.
- 1050 Leaves  $\frac{1}{2}$ " to  $\frac{3}{4}$ " broad, stout, stiff, flat, with smooth margin, 2' to 3' high. Panicle oblong, flattened. *L. GLADIATUM* 945.  
 " Leaves narrow, not exceeding  $\frac{1}{2}$ ". 1051.
- 1051 Leaves and stem nearly cylindric, or obscurely angled, 12" to 18". 1052.  
 " Leaves and stem flat, or raised in the centre only. 1053.
- 1052 Leaves stiff, erect, few, not exceeding stem. Spikelets numerous, crowded. *L. AUSTRALE* 939.  
 " Leaves slender, threadlike, numerous, exceeding stem. Spikelets 2 to 3, distinct. *L. FILIFORME* 938.

- 1053 Panicle 5" to 18". Stem 4' to 8'. 1054.  
 " Panicle short, less than 3", sparingly branched. Stem 12" to 18". 1055.
- 1054 Flower-branches short, distant. Bristles narrow, linear. " L. SIEBERI 942.  
 " Flower-branches much divided. Bristles short, egg-shaped. L. ELATIUS 944.
- 1055 Leaves curved. Sheaths dull. Spikelets few. L. LINEARE 940.  
 " Leaves normal, narrowly grooved. Sheaths shining. Spikelets numerous. L. SQUAMATUM 941.
- 1056 Leaves bristly. Stems 3" to 6", slender, densely tufted. Spike short, eggshaped, 3" to 5". Bracts wanting. On stones and dead trees. U. TENELLA 949.  
 " Leaves flat. Stem solitary, normal. 1057.
- 1057 Spike short, egg-shaped or oblong,  $\frac{1}{2}$ " to  $1\frac{1}{2}$ ". Stem 5" to 12". Bracts often present. On mountains. U. COMPACTA 951.  
 " Spike lengthened, narrow, 2" to 4". Stem 12" to 18". Bracts wanting. Leaves narrow. U. RIPARIA 950
- 1058 Spike simple, solitary, of one male and two female florets, with a long bract. Stigmas 3. Stem and leaves threadlike. C. PYRENAICA 952.  
 " Spike composed of several spikelets. 1059.
- 1059 Male and female florets in the same spikelet. Stigmas 2. 1060.  
 " Male and female florets in separate spikelets; female spikelet rarely with a few male florets at top. 1062.
- 1060 Spikelets in an elongated panicle, numerous. Male florets on upper half of spikelet. Stem 1' to 5', stout, leafy. C. PANICULATA 953.  
 " Spikelets in an oblong head, few. Stem 6" to 9". 1061.
- 1061 Stem rough, stiff. Spikelets 6 to 8, crowded or lower spreading. Male florets on upper half of spikelet. Bracts short or wanting. C. CHLORANTHA 954.  
 " Stem smooth, very slender. Spikelets 2 to 3, crowded. Male florets on lower half of spikelet. Bracts 2" to 4". C. INVERSA 955.
- 1062 Spikelets on long stalks, more or less pendulous. Lower bracts very long. Stem 2' to 4'. 1063.  
 " Spikelets mostly sessile, or nearly so, erect. 1064.
- 1063 Male spikelets solitary; female 3 or 4. Plant pale green. C. PSEUDOCYPERUS 961.  
 " Male spikelets 3 or 4; females numerous. Plant normal. C. LONGIFOLIA 960.

- 1064 Leaves and bracts stiff, with curved ends. Spikelets dark coloured. Bracts very long. Fruit large, swollen. Plant creeping in sea sand. *C. PUMILA* 958.
- " Leaves and bracts normal. Plant not maritime. 1065.
- 1065 Spikelets crowded, in a nearly round head, pale; lowest spikelets often remote. Bracts very long. Stem 6" to 12". *C. CATARACTÆ* 959.
- " Spikelets distinct, oblong or linear. 1066.
- 1066 Spikelets often dark coloured; male sometimes 2 together. Leaves shorter than stem and bracts. Stigmas 2. Stem 6" to 24". *C. CÆSPITOSA*, 956.
- " Spikelets usually light green; male solitary. Stigmas 3. 1067.
- 1067 Flower stem conspicuous. 9" to 18". Spikelets oblong; lowest remote. Fruit smooth. Leaves shorter than stem and bracts. *C. GUNNIANA* 957.
- " Flower stem short, 1" to 3". Spikelets narrow, linear, crowded. Fruit downy. Leaves usually much exceeding stem and bracts. *C. BREVICULINIS* 962.
- 1068 Leaves in two opposite rows, more or less overlapping. Stem 6" to 12", rough, hairy. *T. DISTICHOPHYLLA* 963.
- " Leaves normal. 1069.
- 1069 Stem very rough, climbing, 6' to 12'. Leaves hairy. *T. TENACISSIMA* 964.
- " Stem normal, 6" to 12". Leaves smooth. *T. ACUMINATA* 965.
- 1070 Panicle large. 6" to 10", many-flowered, nodding. Awn present. Glumes equalling pales. Stem 2' to 3'. *H. ANTARCTICA* 971.
- " Panicle short, 2" to 3", few-flowered. 1071.
- 1071 Glumes equalling pales. Awns present. Branchlets normal. Stem 1'. On mountain tops. *H. ALPINA* 972.
- " Glumes much shorter than pales. Awns wanting. Branchlets wavy. Stem 2' to 3'. *H. RARIFLORA* 973.
- 1072 Awn silky. Perianth silky. 1073.
- " Awn smooth, or rarely slightly downy. Perianth downy. 1074.
- 1073 Awn silky below the middle. *S. PUBESCENS* 983.
- " Awn densely feathery to the middle, or above it. *S. SEMI-BARBATA* 982.
- 1074 Panicle spreading. Glumes much exceeding pale. Ligule silky. Stem 18". *S. SETACEA* 985.
- " Panicle contracted. Glumes scarcely exceeding pale. Ligule smooth. Stem 3'. *S. FLAVESCENS* 984.

- 1075 Awns not twisted, wavy, embracing the contracted panicle.  
D. CRINITA 988.
- " Awns twisted. 1076.
- 1076 Panicle close, erect. Perianth silky. Glumes much exceeding  
pales. Awns curved. Leaves cylindric. D. STIPOIDES 986.
- " Panicle loosely branched. Perianth smooth. Glumes equalling  
pales. Awns normal. Leaves usually flat. D. SCIUREA 987.
- 1077 Awn protruding, conspicuous. 1078.
- " Awn wanting, or very short. Panicle loosely spreading. 1081.
- 1078 Panicle narrow, close, erect. 1079.
- " Panicle spreading. 1080.
- 1079 Glumes exceeding pale. A. QUADRISETA 991.
- " Glumes equalling pale. A. SCABRA 996.
- 1080 Leaves threadlike. Lower pale entire; upper minute or  
wanting. A. VENUSTA 993.
- " Leaves flat. Lower pale toothed; upper conspicuous. A.  
SOLANDRI 994.
- 1081 Lower pale pointed. Awn usually present. A. MONTANA 997.
- " Lower pale blunt. Awn usually wanting. 1082.
- 1082 Stem rough. Upper pale toothed. A. ÆQUATA 995.
- " Stem smooth. Glumes rough. 1083.
- 1083 Ligule short, blunt. Flowers usually purplish. Stem 8" to  
24". A. VULGARIS 998.
- " Ligule long. Flowers green or purplish. Stem 6" to 8". A.  
PARVIFLORA 992.
- 1084 Stem leafless, 2" to 10". Glumes exceeding both flowers.  
Both flowers awned. Leaves bristly. A. CARYOPHYLLEA,  
1001.
- " Stem normal, 2' to 4'. Glumes exceeding lower flower only.  
Upper flower awnless. Leaves usually flat. A. CAESPITOSA  
1000.
- 1085 Glumes equalling or exceeding pales. Ligule very short.  
Leaves often with incurved margins. D. PENICILLATA 1004.
- " Glumes much shorter than pales. Ligule long, often  $\frac{1}{2}$ ".  
Leaves flat. D. NERVOSA 1003.
- 1086 Leaves flat. Panicle spreading, drooping. Spikelets 6 to 8-  
flowered. Lower pale toothed, or shortly awned. Stem  
stout, 2' to 4'. F. HOOKERIANA 1007.
- " Leaves, at least the lower, with incurved margins. Panicle  
close, or scarcely spreading, erect. 1087.
- 1087 Awn much exceeding pale. Stem 2" to 18", slender. F.  
MYURUS 1009.
- " Awn shorter than pale, or more usually wanting. 1088.

- 1088 Leaves in two opposite rows. Panicle eggshaped. Spikelets 8 to 10-flowered. Pales smooth ; lower entire. Stem 6" to 18". F. *DISTICHOPHYLLA* 1005.  
 " Leaves normal. Panicle slender. Stem 1' to 3'. 1089.
- 1089 Leaves stiff, pungent. Spikelets 5 to 6-flowered. Lower pale 3-toothed, downy. Seaside. F. *LITORALIS* 1006.  
 " Leaves normal. Spikelets 6 to 8-flowered. Lower pale entire. F. *OVINA* 1008.
- 1090 Awn much exceeding pale. Panicle large, loose, drooping, 6" to 10". B. *STERILIS* 1013.  
 " Awn equalling or shorter than pale. Panicle of few branches. 1091.
- 1091 Awn obscure. Panicle spreading, 5" to 8". B. *UNIOLOIDES* 1010.  
 " Awn equalling pale. Panicle close, erect, 1" to 3". 1091\*.
- 1091\* Spikelets smooth. B. *RACEMOSUS* 1011.  
 " Spikelets downy, soft. B. *MOLLIS* 1012.
- 1092 Leaves flat. Stem 2' to 4'. G. *FLUITANS* 1014.  
 " Leaves with incurved margins. Stem 1' to 2'. Plant often pale yellow. G. *STRICTA* 1015.
- 1093 Spikelets numerous, minute, broader than long, 5 to 7-flowered. Glumes exceeding the lowest pale. B. *MINOR* 1020.  
 " Spikelets few, 1 to 5, large, longer than broad, 10 to 14-flowered. Glumes shorter than lowest pale. B. *MAXIMA* 1019.
- 1094 Leaves with incurved margins. Ligule very short. P. *CÆSPITOSA* 1016.  
 " Leaves flat. Ligule conspicuous. 1095.
- 1095 Flower branches 3 or 4 together. Panicle erect. Stem cylindric, 1' to 6'. P. *SAXICOLA* 1017.  
 " Flower branches 1 or 2 together ; lower ones at length reflexed. Stem compressed, 6" to 10". P. *ANNUA* 1018.
- 1096 Glume much shorter than spikelet. L. *PERENNE* 1027.  
 " Glume equalling or exceeding spikelet. L. *TEMULENTUM* 1028.
- 1097 Leaves downy or fringed. Awn not exceeding pale. Stems tufted. 1098.  
 " Leaves and sheaths smooth. 1099.
- 1098 Leaf-sheath downy. Spikelets erect. T. *VELUTINUM* 1023.  
 " Leaf-sheath smooth. Spikelets at length reflexed. T. *PECTINATUM* 1024.
- 1099 Awn much exceeding pale. Stems tufted. T. *SCABRUM* 1025.  
 " Awn about equalling pale. Stems widely creeping. T. *REPENS* 1026.

- 1100 Leaf simple, or rarely irregularly lobed, 8" to 12". L. PATERSONI 1030.  
 " Leaf regularly lobed or divided. 1101.
- 1101 Lower pinnules of barren leaf distinct, stalked. 1102.  
 " Lower pinnules of barren leaf widened at base and connected together. 1103.
- 1102 Pinnules oblong or rounded,  $\frac{1}{2}$ " to  $\frac{3}{4}$ ". L. FLUVIATILIS 1033.  
 " Pinnules lengthened, 3" to 6". L. CAPENSIS 1031.
- 1103 Leaf egg-shaped; pinnules, 2" to 4" long. 1104.  
 " Leaf narrow lanceolate; pinnules,  $\frac{1}{2}$  to 1 long. 1105.
- 1104 Stalk pale. Lower pinnules reflexed. L. VULCANICA 1034.  
 " Stalk black, glossy. Pinnules normal. L. DISCOLOR 1032.
- 1105 Stems stout, tufted. Barren leaf, 8" to 12" long, 2" to 4" broad. L. LANCEOLATA 1035.  
 " Stems slender, creeping. Barren leaf, 4" to 6" long,  $\frac{1}{2}$ " to  $\frac{3}{4}$ " broad. L. ALPINA 1036.
- 1106 Leaf linear, once divided. L. LINEARIS 1037.  
 " Leaf egg-shaped, 2 or 3 times divided. L. TRICHOMANOIDES 1038.
- 1107 Stems tufted. Leaf thin, quite smooth. P. TREMULA 1043.  
 " Stems widely creeping. Leaf stout, thickish, often hairy below. P. AQUILINA 1042.
- 1108 Veins often nearly all free. Pinnules usually pale beneath; mid-rib stout, wavy. L. INCISA. 1044.  
 " Veins much netted. Pinnules and mid-rib normal. L. COMANS. 1045.
- 1109 Leaf stout, broad, 1 to 4 times divided. Pinnules pointed, often bulb bearing. A. OBTUSATUM 1048.  
 " Leaf slender, linear, once divided. Pinnules rounded normal. 1110.
- 1110 Leaf prostrate, rooting at tip. Pinnules without a mid-rib. A. FLABELLIFOLIUM 1046.  
 " Leaf erect, normal. Pinnules with a mid-rib. A. TRICHOMANES 1047.
- 1111 Plant clothed with soft brownish hair. G. RUTÆFOLIA 1050.  
 " Plant quite smooth. G. LEPTOPHYLLA 1051.
- 1112 Leaf smooth, once divided, 4" to 8". P. GRAMMITIDIS 1056.  
 " Leaf glandular, hairy, much divided, 2' to 4'. P. PUNCTATUM 1055.
- 1113 Leaf twice divided, thin, scaly, or hairy, often bulb-bearing; lowest division not exceeding the middle ones. A. ACULEATUM 1059.  
 " Leaf 3 to 4 times divided, scaly at base, normal; lowest division exceeding the middle ones. 1114.

- 1114 Leaf thick, usually pale yellow. Fruit often large, and nearly covering the pinnule. Indusium circular. *A. CAPENSE* 1060.  
 " Leaf normal, dark green. Fruit normal. Indusium rounded, but divided to the centre. *A. DECOMPOSITUM* 1058.
- 1115 Stem tree-like, 12' to 30'. Leaf 6' to 12', thick, stiff, thrice divided. *D. ANTARCTICA* 1062.  
 " Stem herbaceous, creeping. Leaf 2' to 3', much divided. *D. DUBIA* 1063.
- 1116 Leaf paler beneath. Pinnules pointed. Stalk smooth, prickly near base; upper ones persistent after death. *A. AUSTRALIS* 1065.  
 " Leaf normal. Pinnules blunt. Stalk scaly and woolly, nearly smooth at base, falling off after death. *A. COOPERI* 1066.
- 1117 Pinnules narrow linear. Fruit on middle of vein. *G. FLABELLATA* 1067.  
 " Pinnules short, nearly round. Fruit at end of vein. 1118.
- 1118 Pinnules flat. Fruit exposed. *G. CIRCINATA* 1068.  
 " Pinnules pouch-shaped. Fruit concealed. *G. DICARPA* 1069.
- 1119 Leaf 6" to 12" long, 2" to 4" broad; the lowest division much exceeding the middle ones. Pinnules entire. 1120.  
 " Leaf 2" to 5" long,  $\frac{1}{2}$ " to  $1\frac{1}{2}$ " broad; lowest division not exceeding the middle ones. 1121.
- 1120 Stem bordered by a thin green wavy membrane. *H. JAVANICUM* 1073.  
 " Stem free, or rarely bordered by a flat membrane. *H. FLABELLATUM* 1074.
- 1121 Pinnules toothed. Stem free. *H. TUNBRIDGENSE* 1071.  
 " Pinnules entire. Stem bordered by a thin green membrane. *H. RARUM* 1072.
- 1122 Leaf with a conspicuous mid-rib, and narrow thick wings, 6" to 18", usually forked. *S. BIFIDA* 1075.  
 " Leaf nearly cylindric, grooved in front, 4" to 12", simple. *S. FISTULOSA* 1076.
- 1123 Leaf once divided. *B. LUNARIA* 1079.  
 " Leaf much divided. *B. TERNATUM* 1080.
- 1124 Spike lateral, solitary. 1125.  
 " Spike terminal. 1126.
- 1125 Spike stalked, 1" to  $1\frac{1}{2}$ ". *L. CAROLINIANUM* 1085.  
 " Spike sessile,  $\frac{1}{2}$ ". *L. LATERALE* 1084.
- 1126 Spike stalked. 1127.  
 " Spike sessile or wanting. 1128.
- 1114-1126

- 1127 Leaves in distinct rows; the 2 outer, large, loose; the 2 inner small, adpressed, stipule-like. *L. SCARIOSUM* 1087.  
 " Leaves all similar, overlapping all round, spreading. *L. CLAVATUM* 1086.
- 1128 Fruit in a distinct solitary yellowish spike. Stem erect, densely branched, bushy, 1' to 4'. *L. DENSUM* 1083.  
 " Fruit either at base of upper leaves, or in a spike, often branched. Stem weak, 6" to 10", sparingly branched. *L. SELAGO* 1082.
- 1129 Stems branched in nearly opposite pairs. *S. ULIGINOSA* 1088.  
 " Stems divided at base only, moss-like. *S. PREISSIANA* 1089.
- 1130 Sheaths brown. Leaves hard. 1131.  
 " Sheaths pale. Leaves soft, green. 1132.
- 1131 Leaves short, stiff, brown. Root-stock 3-lobed. *I. GUNNII* 1091.  
 " Leaves not so, but becoming brown. Root-stock 2-lobed. *I. HUMILIOR* 1092.
- 1132 Leaves very long, flaccid. Root-stock 3-lobed. *I. ELATIOR* 1093.  
 " Leaves slender. Root-stock 2-lobed. *I. STUARTII* 1094.



## SYSTEMATIC ARRANGEMENT.



For an explanation of the following abbreviations and figures the reader is referred to the Preface and the Table of Abbreviations.

Sub-kingdom I. Phænogams. Sp. 80,500, Tasm. 927.

Class I. Exogens. Sp. 66,500, Tasm. 670.

Order I. Ranunculæ. Sp. 600, Tasm. 10, Temp. Eur.

- 1 *Clematis gentianoides*, D.C. (T.) B. i. 6, H. i. 3. Common in poor soil.
- 2 *Clematis aristata*, Br. B. i. 6, H. i. 2 (*coriacea*), 3 (*blanda*). Abundant.
- 3 *Clematis microphylla*, D.C. B. i. 7, H. i. 4 (*linearifolia f.*) George T., Flinders I., Kings I.
- 4 *Anemone crassifolia*, Hk. (T.) B. i. 8, H. i. 4. Black Bluff Range, 4 to 5000'.
- 5 *Ranunculus aquatilis*, L. (E.) B. i. 10, H. i. 5. Lake R., S. Esk R., Jordan R.
- 6 *Ranunculus gunnianus*, Hk. B. i. 11, H. i. 5. Hampshire Hills, Ben Lomond, M. La Perouse.
- 7 *Ranunculus lappaceus*, Sm. Buttercup. B. i. 12, H. i. 6, 6 (*hirtus*), 7 (*scapigerus f.*, *nanus*), 8 (*cuneatus*). Abundant.
- 8 *Ranunculus rivularis*, Banks. B. i. 13, H. i. 8 (*inundatus*), 9 (*glabrifolius*, *inconspicuus f.*). Abundant in wet places.
- 9 *Ranunculus parviflorus*, L. (E.) B. i. 14, H. i. 9 (*sessiliflorus*), 10 (*pumilio*). Common.
- 10 *Ranunculus hirsutus*, L. (A.) B. i. 15 (*philonotis*). Southport.
- 11 *Caltha introloba*, Muell. B. i. 15, H. ii. 355. Western M., Cuming's Head.

Order II. Dilleneæ. Sp. 180, Tasm. 9. South. Hem.

- 12 *Hibbertia sericea*, B. B. i. 26, H. i. 16 (*Pleurandra*). Common on sandy coast.
- 13 *Hibbertia hirsuta*, B. (T.) B. i. 26, H. i. 17 (*Pleurandra*). George T., Hobart T., Beauty Bay., Flinders I.
- 14 *Hibbertia stricta*, Br. B. i. 27, H. i. 17 (*Pleurandra riparia*). Abundant.



- 15 *Hibbertia billardieri*, Muell. B. i. 28, H. i. 16 (*Pleurandra ovata*). Sandy coast, Flinders I.  
 16 *Hibbertia acicularis*, Muell. B. i. 29, H. i. 15 (*Pleurandra*). George T., Oyster Cove, Kangaroo Point, Bass Strait.  
 17 *Hibbertia serpillifolia*, Br. Yellow thyme. B. i. 32, H. i. 14 (*ericæfolia f.*). George T., Launceston, Asbestos Hills.  
 18 *Hibbertia procumbens*, B. B. i. 33, H. i. 13. Abundant in heathy spots.  
 19 *Hibbertia fasciculata*, Br. B. i. 33, H. i. 13. Abundant.  
 20 *Hibbertia virgata*, Br. B. i. 34, H. i. 14. George T., George's Bay.

Order III. Magnoleæ. Sp. 65, Tasm. 1. N. Am.

- 21 *Drimys aromatica*, Muell. Pepper Tree. B. i. 49, H. i. 11 (Tasmania). Abundant.

Order IV. Papaveraceæ. Sp. 150, Tasm. 1. Eur., Asia.

- 22 *Papaver aculeatum*. Thnb. Poppy. B. i. 63. King's Island.

Order \*. Fumariaceæ. Sp. 100. N. Hem.

- 23 *Fumaria officinalis*, L. (A.) Abundant.

Order V. Cruciferæ. Sp. 1200, Tasm. 14. South Europe.

- 24 *Nasturtium palustre*, D.C. (E.) B. i. 65, H. i. 21 (terrestre). Common.  
 25 *Nasturtium officinale*, L. Watercress (A). Abundant.  
 26 *Barbarea vulgaris*, Br. (E.) B. i. 66, H. i. 21 (australis). Common.  
 27 *Cardamine stylosa*, D.C. B. i. 68, H. i. 18. North and East Coasts, Gould's Country, M. Wellington. Flinders I.  
 28 *Cardamine dictyosperma*, Hk. B. i. 68, H. i. 19. Common.  
 29 *Cardamine radicata*, H. (T.) B. i. 69, H. i. 18. M. Olympus, L. Petrarch, M. La Prouse.  
 30 *Cardamine hirsuta*, L. (E.) B. i. 70, 69 (*tenuifolia*), H. i. 20 19 (*pratensis*). Abundant.  
 31 *Sisymbrium officinale*, L. (A.) B. i. 70. Common.  
 32 *Brassica sinapistrum*. Boiss. Charlock. (A.) Abundant.  
 33 *Draba muralis*, L. (E.) B. i. 72, H. i. 24 (*nemoralis*). Hobart Town.  
 34 *Stenopetalum lineare*, Br. B. i. 78, H. i. 22. S. Esk R.  
 35 *Capsella elliptica*, Miq. (Med. Reg.) B. i. 81 (*procumbens*), H. i. 22 (*Hutchinsia procumbens*). Blackman's R.

\* As this order contains only a solitary alien species, it has not been numbered, so that the regular series of Tasmanian Orders may not be interrupted.

- 36 *Capsella antipoda*, Muell. B. i. 81 (*australis*), H. i. 23  
(*Hutchinsia australis*). Common in dry stony places.
- 37 *Capsella bursa pastoris*, L. Shepherd's purse. (A.) B. i. 82.  
Abundant.
- 38 *Senebiera coronopus*, Poir. (A.) B. i. 83. Hobart Town.
- 39 *Senebiera didyma*, Pers. (A.) B. i. 83. Hobart Town.
- 40 *Lepidium foliosum*, D.C. B. i. 86, H. i. 25 (*cuneifolium*), ii.  
356. Sea coast, Southport, Bass Strait.
- 41 *Lepidium ruderales*, L. (E.) B. i. 86, H. i. 25. Common.
- 42 *Lepidium campestre*, Br. (A.) Common.
- 43 *Thlaspi tasmanicum*, H. (T.) B. i. 87, H. i. 23. Arthur's L.
- 44 *Cakile maritima*, Scop. (E.) Circular Head, George's Bay.

Order VI. *Violæ*. Sp. 300, Tasm. 5. Cosmop.

- 45 *Viola betonicæfolia*, Sm. Blue Violet. B. i. 99, H. i. 27.  
Common.
- 46 *Viola caleyana*, Don. B. i. 100, H. ii. 357. Deloraine.
- 47 *Viola cunninghami*, H. B. i. 100, H. ii. 357. W. Mountains.
- 48 *Viola hederacea*, Lab. White Violet. B. i. 99, H. i. 26.  
Abundant.
- 49 *Hymenanchera banksii*, Muell. B. i. 104 (*dentata*), H. i. 27.  
(*angustifolia*). The North, Penquite.

Order VII. *Pittosporæ*. Sp. 80, Tasm. 6. Austr.

- 50 *Pittosporum bicolor*, Hk. White Wood, Waddy Wood. B. i.  
113, H. i. 38. Abundant in damp ravines.
- 51 *Pittosporum undulatum*, Vent. B. i. 111. Arthur R.
- 52 *Bursaria spinosa*, Cav. Box tree. B. i. 115. H. i. 39.  
Abundant.
- 53 *Marianthus procumbens*, Br. B. i. 117, H. i. 39 (*Bursaria*).  
Common.
- 54 *Billardiera scandens*, Sm. Apple Berry. B. i. 123, H. i. 37.  
(*mutabilis*). The North in clayey soil.
- 55 *Billardiera longiflora*, Lab. Purple Berry. B. i. 123, H. i. 37, 37  
(*macrantha*). Abundant.

Order VIII. *Polygalææ*. Sp. 400, Tasm. 5. Cosmop.

- 56 *Comesperma volubile*, Lab. Blue Creeper. B. i. 144, H. i. 31.  
Abundant.
- 57 *Comesperma retusum*, Lab. Purple Broom. B. i. 145, H. i. 32.  
Circular Head, Arthur Lake, Honeywood, Longley, Three  
Hut Point.
- 58 *Comesperma ericinum*, D.C. B. i. 146, H. i. 32. North  
Coast, Gould's Country, Port Sorell, Honeywood, Bass'  
Strait.
- 59 *Comesperma calymega*, Lab. B. i. 147, H. i. 32. North  
Coast, George's Bay, Oyster Cove, Southport, Honeywood.

60 *Comesperma defoliatum*, Muell. B. i. 148. Southport, Gibson's Plains.

Order IX. *Tremandreae*. Sp. 21, Tasm. 3. Austr.

61 *Tetratheca ciliata*, Lind. B. i. 130, H. i. 34. The North.

62 *Tetratheca pilosa*, Lab. Purple Heath. B. i. 131, H. i. 35, 35 (*procumbens f.*), 36 (*gunnii f.*). Abundant.

63 *Tetratheca glandulosa*, Lab. B. i. 131, H. i. 34. Abundant.

Order X. *Frankeniaceae*. Sp. 25, Tasm. 1. Temp. Reg.

64 *Frankenia pauciflora*, D.C. B. i. 151, H. i. 40. Circular Head, Goose I.

Order XI. *Caryophylleae*. Sp. 800, Tasm. 5. Temp. Reg.

65 *Silene gallica*, L. Catchfly. (A.) B. i. 155. Abundant.

66 *Githago segetum*, Desf. Corncockle. (A.) B. i. 156 (*Lychnis githago*). New Town.

67 *Cerastium glomeratum*, Thu. (A.) B. i. 156 (*vulgatum*). Common.

68 *Sagina procumbens*, L. (A.) B. i. 160. Brighton, King's I.

69 *Stellaria pungens*, Bron. B. i. 157, H. i. 44. Common.

70 *Stellaria glauca*, With. (E.) B. i. 158, H. i. 44. Marshy places.

71 *Stellaria flaccida*, Hk. B. i. 158, H. i. 43 (*media*). Common.

72 *Stellaria media*, L. Chickweed. (A.) B. i., 159. Abundant.

73 *Stellaria multiflora*, Hk. B. i. 159, H. i. 43. Common.

74 *Colobanthus billardieri*, Fenzl. B. i. 161, H. i. 45, 45 (*affinis*). Circular Head, George Town, Brighton, Franklin R., King's I.

Order XII. *Illecebreae*. Sp. 100, Tasm. 1. S. Eur. and N. Afr.

75 *Spergularia rubra*, S. Hil. (E.) B. i. 161, H. i. 41. Abundant on coasts.

76 *Spergula arvensis*, L. (A.) B. i. 161. Common in sandy places.

77 *Polycarpon tetraphyllum*, L. (A.) B. i. 163. Common.

Order XIII. *Portulacaeae*. Sp. 200, Tasm. 3. Am.

78 *Claytonia australasica*, H. B. i. 177, H. i. 144. Common.

79 *Calandrinia calyptrata*, H. B. i. 174, H. i. 143. Circular Head, Launceston, Brighton.

80 *Montia fontana*, L. (E.) B. i. 177, H. i. 144. St. Patrick's R., 1500'.

Order XIV. *Elatineae*. Sp. 20, Tasm. 1. Cosmop.

81 *Elatine minima*, Muell. B. i. 178 (*americana*), H. i. 47 (*americana*). North and central marshes.

Order XV. Hypericæ. Sp. 200, Tasm. 1. Temp. Reg.

- 82 *Hypericum japonicum*, Thnb. B. i., 182, 182 (gramineum),  
H. i. 53, 53 (gramineum). Abundant.

Order XVI. Malvaceæ. Sp. 700, Tasm. 4. Tropics.

- 83 *Malva silvestris*, L. Mallow. (A.) B. i. 186. Common.  
84 *Malva rotundifolia*, L. (A.) B. i. 186. Common.  
85 *Lavatera plebeja*, Sims. B. i. 185, H. i. 47. Woolnorth,  
Bass Strait.  
86 *Plagianthus sidoides*, Hk. Currijong. (T.) B. i. 188, H. i. 49.  
Campbell Town, Hobart Town, Three Hut Point.  
87 *Plagianthus pulchellus*, A. Gray. B. i. 189, H. i. 49. Launceston,  
N. Esk R., Campbell Town.  
88 *Plagianthus spicatus*, B. B. i. 189, H. i. 48 (Lawrencia)  
Great Swanport, Flinders I.

Order XVII. Sterculiaceæ. Sp. 125, Tasm. 3. Trop. Afr.  
and Austr.

- 89 *Lasiopetalum discolor*, Hk. B. i. 260, H. i. 50. The Sisters,  
Hummock I.  
90 *Lasiopetalum dasyphyllum*, Sieb. B. i. 261, H. i. 51 (gunnii).  
Rocky Cape, Schouten I., Bass Strait.  
91 *Lasiopetalum micranthum*, H. (T.) B. i. 262, H. i. 51.  
Launceston, Swanport.

Order XVIII. Tiliaceæ. Sp. 330, Tasm. 2. Tropics.

- 92 *Aristotelia peduncularis*, H. (T.) B. i. 280, H. i. 52. Gould's  
Country, M. Wellington, Franklin, &c.  
93 *Elæocarpus cyaneus*, Ait. B. i. 281. King's Island.

Order XIX. Lineæ. Sp. 135, Tasm. 1. Cosmop.

- 94 *Linum marginale*, Cunn. Native Flax. B. i. 283, H. i. 46.  
Abundant.

Order XX. Zygophylleæ. Sp. 100, Tasm. 2. Hotter regions  
of N. Hem.

- 95 *Zygophyllum apiculatum*, Muell. B. i. 292, H. i. 60 (*Rœpera*  
*latifolia*). Bass Strait.  
96 *Zygophyllum billardieri*, D.C. B. i. 293, H. i. 60 (*Rœpera*).  
Bass Strait.

Order XXI. Geraniaceæ. Sp. 800, Tasm. 4. Temp. and  
Subtrop. Reg.

- 97 *Geranium dissectum*, L. Geranium. (E.) B. i. 296, 297  
(sessiliflorum). H. i. 56, 57 (*potentilloides*, *brevicaule*).  
Abundant.

- 98 *Erodium cicutarium*, L. (A.) B. i. 298. Abundant.  
 99 *Pelargonium australe*, Willd. Wild Geranium. B. i. 299, H. i. 57, 58 (*acugnaticum*). Common.  
 100 *Oxalis magellanica*, Frst. B. i. 300, H. i. 59. Mountain woods, Flinders I.  
 101 *Oxalis corniculata*, L. (E.) B. i. 301, H. i. 59. Abundant.

Order XXII. Rutaceæ. Sp. 600, Tasm. 18. Temp. Reg.

- 102 *Correa alba*, Andr. Cape Barren Tea. B. i. 354, H. i. 61 (*rufa*). Common on the coast.  
 103 *Correa speciosa*, Ait. Native Fuchsia. B. i. 354, H. i. 62, 61 (*backhousiana*). Abundant.  
 104 *Correa lawrenciana*, Hk. B. i. 355, H. i. 61. Abundant.  
 105 *Zieria smithii*, Andr. Stinkwood. B. i. 306, H. i. 65 (*lanceolata*). Common.  
 106 *Zieria cytisoides*, Sm. B. i. 306, Swanport, Bicheno.  
 107 *Boronia pinnata*, Sm. B. i. 318, H. i. 68 (*gunnii f. citriodora*). Common.  
 108 *Boronia pilosa*, Lab. B. i. 319, H. i. 67. Abundant.  
 109 *Boronia polygalifolia*, Sm. B. i. 320, 321 (*anemonifolia*), H. i. 66 (*hyssopifolia*), 67 (*variabilis*). Abundant.  
 110 *Boronia rhomboidea*, Hk. (T.) B. i. 324, H. i. 66. Longley, W. Mountains.  
 111 *Boronia parviflora*, Sm. B. i. 324, H. i. 66 (*pilonema*). Common.  
 112 *Acradenia frankliniæ*, Kipp. (T.) B. i. 328, H. i. 69, Franklin R., Gordon R.  
 113 *Eriostemon virgatus*, Cunn. (T.) B. i. 332, H. i. 64. Rocky Cape, George's Bay, Swan Port, Three Hut Point, Macquarie Harbour.  
 114 *Eriostemon obovalis*, Cunn. B. i. 334, H. i. 64 (*verrucosum*). Common.  
 115 *Eriostemon montanus*, Muell. (T.) B. i. 338 (*Phebalium*), H. i. 63 (*Phebalium*). Ben Lomond, W. Mountains.  
 116 *Eriostemon daviesii*, Muell. (T.) B. i. 342 (*Phebalium glandulosum*), H. ii. 358 (*Phebalium*). East Coast.  
 117 *Eriostemon hillebrandi*, Muell. B. i. 340 (*Phebalium bilobum*), H. i. 64 (*Phebalium truncatum f.*). M. Gog, Apsley R., Schouten I., Bass Strait.  
 118 *Eriostemon oldfieldii*, Muell. (T.) B. i. 340 (*Phebalium*). M. La Perouse.  
 119 *Eriostemon squameus*, Lab. Hickory. B. i. 344 (*Phebalium billardieri*), H. i. 63 (*Pheb. billardieri*). Abundant in damp woods.

Order XXIII. Stackhouseæ. Sp. 20, Tasm. 4. Austr.

- 120 *Stackhousia pulvinaris*, Muell. B. i. 405, H. ii. 359, W. Mountains.  
 121 *Stackhousia flava*, Hk. B. i. 407, H. i. 79. Woolnorth.  
 122 *Stackhousia linariæfolia*, Cunn. Native mignonette. B. i. 406 (monogyna), H. i. 79 (monogyna, gunnii). Common.  
 123 *Stackhousia spatulata*, Sieb. B. i. 406, H. i. 79 (maculata). Recherche Bay, Bass Strait.

Order XXIV. Rhamneæ. Sp. 430, Tasm. 15. Cosmop.

- 124 *Pomaderris elliptica*, Lab. Yellow dogwood. B. i. 417, H. i. 76, 76 (discolor, ferruginea). Common.  
 125 *Pomaderris apetela*, Lab. Bastard dogwood. B. i. 419, H. i. 77. Abundant.  
 126 *Pomaderris racemosa*, Hk. B. i. 421, H. i. 77. The North.  
 127 *Pomaderris phylicifolia*, Lodd. B. i. 422, H. i. 78 (ericæfolia). Mersey R., St. Paul's R.  
 128 *Spyridium serpillaceum*, Muell. B. i. 427, H. i. 71 (*Cryptandra obcordata*). Tamar R., Swansea, Spring Bay.  
 129 *Spyridium parvifolium*, Muell. B. i. 428, H. i. 73 (*Cryptandra*), 73 (*Cryptandra mollis*). Tamar R., Bass Strait.  
 130 *Spyridium obovatum*, B. (T.) B. i. 429, H. i. 74 (*Cryptandra*). East Coast, St. Paul's R., Eldon's Bluff, Birch's Inlet.  
 131 *Spyridium gunnii*, B. (T.) B. i. 429, H. i. 73 (*Cryptandra f.*). Eldon's Bluff, Franklin R., Birch's Inlet.  
 132 *Spyridium lawrencii*, B. (T.) B. i. 430, H. i. 72 (*Cryptandra*). Great Swan Port, St. Paul's River.  
 133 *Spyridium eriocephalum*, Fenzl. B. i. 434, 433 (*vexilliferum*) H. i. 72 (*Cryptandra*), 71 (*Crypt. vexillifera*). Woolnorth, S. Esk R., Hobart Town, Schouten I., Flinders I.  
 134 *Spyridium ulicinum*, B. (T.) B. i. 434, H. i. 72 (*Cryptandra*). Launceston, New Norfolk, M. Wellington.  
 135 *Stenanthemum leucophractum*, Reiss. B. i. 435 (*pimelioides*), H. i. 75 (*Cryptandra pimelioides*). Swan Port, Spring Bay.  
 136 *Cryptandra amara*, Sm. B. i. 440, H. i. 74 (*sieberi*). N. Esk R., Swan Port.  
 137 *Cryptandra alpina*, H. (T.) B. i. 445, H. i. 75 *f.* W. Mountains.  
 138 *Discaria australis*, Hk. B. i. 445, H. i. 69. S. Esk R., Brighton, Brown's R., etc.

Order XXV. Sapindeæ. Sp. 600, Tasm. 2. Tropics.

- 139 *Dodonæa viscosa*, L. B. i. 475, H. i. 55. Common.  
 140 *Dodonæa ericæfolia*, Don. (T.) Birch. B. i. 478, H. i. 55 (*salsolifolia*). S. Esk R., Nile R., Fingal, Lachlan R., &c.

## Order XXVI. Leguminosæ. Sp. 6000, Tasm 60. Cosmop.

- 141 *Sphærolobium vimineum*, Sm. B. ii. 65, H. i. 84. Common.
- 142 *Daviesia latifolia*, Sm. Native Hop, Bitter Leaf. B. ii. 76, H. i. 83. Common.
- 143 *Daviesia ulicina*, Br. B. ii. 81, H. i. 82 (*umbellulata*). Abundant.
- 144 *Aotus villosa*, Sm. B. ii. 90, H. i. 83. Abundant.
- 145 *Pultenæa diffusa*, H. (T.) B. ii. 119, H. i. 91 *f.* Sandy places, Southport, &c.
- 146 *Pultenæa daphnoides*, Wend. B. ii. 112, H. i. 86. Common.
- 147 *Pultenæa stricta*, Sims. B. ii. 112, H. i. 86. Common in peaty soil.
- 148 *Pultenæa gunnii*, B. B. ii. 116, H. i. 88 *f.*, ii. 360 (*baeck-ioides*). Abundant.
- 149 *Pultenæa pedunculata*, Hk. B. ii. 118, H. i. 91. Common.
- 150 *Pultenæa subumbellata*, Hk. Native Wallflower. B. ii. 124, H. i. 87. Abundant in moist places.
- 151 *Pultenæa dentata*, Lab. B. ii. 125, H. i. 88, 88 (*pimelioides*). North Coast, George's Bay.
- 152 *Pultenæa hibbertioides*, H. B. ii. 127, H. i. 89. Launceston, George T.
- 153 *Pultenæa juniperina*, Lab. Prickly Beauty. B. ii. 131, H. i. 90, 90 (*cordata*). Abundant.
- 154 *Pultenæa humilis*, B. B. ii. 131, H. i. 91. Launceston, Epping Forest.
- 155 *Pultenæa selaginoides*, H. (T.) B. ii. 136, H. i. 87. Avoca, St. Paul's R.
- 156 *Pultenæa prostrata*, B. B. ii. 138, H. i. 89. Near Ross.
- 157 *Pultenæa fasciculata*, B. B. ii. 139, H. i. 92. W. Mountains.
- 158 *Pultenæa tenuifolia*, Br. B. ii. 139, H. i. 92. Sandy coasts.
- 159 *Dillwynia ericæfolia*, Sm. B. ii. 147, H. i. 85 (*glaberrima*). Common in poor wet soil.
- 160 *Dillwynia floribunda*, Sm. B. ii. 149, H. i. 85. Common in dry stony places.
- 161 *Dillwynia cinerascens*, Br. B. ii. 151, H. i. 85. Common in heathy spots.
- 162 *Gompholobium huegelii*, B. B. ii. 43, H. i. 82 (*latifolium*). Abundant in heathy places.
- 163 *Oxylobium ellipticum*, Br. Golden Rosemary. B. ii. 16, H. i. 81, 81 (*arborescens*). Abundant in the South.
- 164 *Platylobium triangulare*, Br. Wild Ivy. B. ii. 152, H. i. 96 (*murrayanum*). Rocky C., George T., Gould's Country, Port Sorell, Flinders I.
- 165 *Platylobium obtusangulum*, Hk. B. ii. 153, H. i. 96 (*triangulare*). Common.
- 166 *Platylobium formosum*, Sm. B. ii. 153. Launceston, George's Bay, Gould's Country, Swanport, St. Patrick's R.

- 167 *Bossiaea cordigera*, B. Native Vetch. B. ii. 157, H. i. 95 *f.*  
The North, Gould's Country.
- 168 *Bossiaea cinerea*, Br. B. ii. 160, H. i. 95. Abundant in dry  
places.
- 169 *Bossiaea prostrata*, Br. B. ii. 162, H. i. 94. Abundant in  
dry places.
- 170 *Bossiaea riparia*, Cunn. B. ii. 166, H. i. 94 (*ensata*). Common.
- 171 *Hovea heterophylla*, Cunn. B. ii. 172, H. i. 93 *f.* Abun-  
dant in dry places.
- 172 *Hovea longifolia*, Br. B. ii. 172, H. i. 93 (*purpurea*).  
Common in dry places.
- 173 *Goodia lotifolia*, Sal. Native Laburnum, Clover Tree. B. ii.  
177, H. i. 97, 97 (*pubescens*). Common.
- 174 *Ulex europeus*, L. Furze. (A.) Common.
- 175 *Lotus corniculatus*, L. Swamp Pea. (E.) B. ii. 188, H. i.  
98. Common in marshy places.
- 176 *Lotus australis*, Andr. Native Shamrock. B. ii. 188, H. i.  
98. North coast, in sand.
- 177 *Trifolium tomentosum*, L. (A.) Circular Head.
- 178 *Trifolium repens*, L. White Clover. B. ii. 186. Abundant.
- 179 *Trifolium procumbens*, L. Hop Trefoil. (A.) B. ii. 186  
(*agrarium*). Common.
- 180 *Trifolium minus*, Sm. Yellow Trefoil. (A.) B. ii. 186 (*pro-*  
*cumbens*). Common.
- 181 *Melilotus parviflora*, Desf. (A.) B. ii. 186. Hobart T.,  
Sandy Bay.
- 182 *Medicago lupulina*, L. (A.) B. ii. 186. Hobart T., New T.
- 183 *Medicago denticulata*, Willd. (A.) B. ii. 186, Hobart T.,  
New T.
- 184 *Medicago maculata*, Sibth. (A.) New T.
- 185 *Psoralea adscendens*, Muell. B. ii. 193, H. i. 99 (*gunnii*).  
Woolnorth, S. Mary's Pass.
- 186 *Indigofera australis*, Willd. Native Indigo. B. ii. 199, H. i.  
99. Abundant.
- 187 *Swainsona lessertiaefolia*, D.C. Native Tare. B. ii. 222, H. i.  
100. Woolnorth, Bass Strait.
- 188 *Desmodium varians*, Endl. B. ii. 232, H. i. 101 (*gunnii*).  
North Coast, Cape Grim, Runnymede.
- 189 *Glycine clandestina*, Wend. B. ii. 243, H. i. 102 (*Leptoc-*  
*yamus*), 102 (*Lept. tasmanicus*). The North, George's Bay,  
Deloraine, Brighton.
- 190 *Hardenbergia monophylla*, B. B. ii. 246, H. ii. 361 (*ovata*).  
Frogmore, Richmond.
- 191 *Kennedyia prostrata*, Br. Coral Pea, Running Postman. B.  
ii. 250, H. i. 101. Abundant in dry places.
- 192 *Acacia siculiformis*, Cunn. B. ii. 329, H. i. 104 (*stuaertiana f*)  
Western Mountains, S. Esk R., Derwent R., Flinders I.

- 193 *Acacia juniperina*, Willd. B. ii. 331, H. i. 105. George T., Swanport.
- 194 *Acacia diffusa*, Edw. Prickly Mimosa. B. ii. 332, H. i. 105. Abundant in dry places.
- 195 *Acacia verticillata*, Willd. Prickly Mimosa. B. ii. 334, H. i. 105, 106 (*ovoidea* f). Abundant in moist places.
- 196 *Acacia riceana*, Hensl. Drooping Acacia. (T.) B. ii. 335, H. i. 106. Moist places in the South.
- 197 *Acacia axillaris*, B. (T.) B. ii. 335, H. i. 107. Brooks Head, St. Paul's R.
- 198 *Acacia vomeriformis*, Cunn. B. ii. 350, H. i. 104 (*gunnii* f). Common.
- 199 *Acacia verniciflua*, Cunn. B. ii. 358, H. i. 108. Common.
- 200 *Acacia stricta*, Willd. B. ii. 358, H. i. 108. Common.
- 201 *Acacia penninervis*, Sieb. B. ii. 362. M. Wellington, Brown's R.
- 202 *Acacia suaveolens*, Willd. B. ii. 369, H. i. 107. Common.
- 203 *Acacia crassiuscula*, Wend. B. ii. 372, H. i. 108. Flinder's I.
- 204 *Acacia myrtifolia*, Willd. B. ii. 376, H. i. 107. Common.
- 205 *Acacia melanoxylon*, Br. Blackwood, Lightwood. B. ii. 388, H. i. 109. Abundant.
- 206 *Acacia longifolia*, Willd. Boobiolla, Native Willow. B. ii. 397, H. i. 109 (*linearis*), 110 (*sophoræ*, *mucronata*). Common.
- 207 *Acacia discolor*, Willd. River Wattle, Green Wattle. B. ii. 414, H. i. 111. Common.
- 208 *Acacia decurrens*, Willd. Black Wattle. B. ii. 414, H. i. 111 (*mollissima*). Abundant.
- 209 *Acacia dealbata*, Link. Silver Wattle. B. ii. 415, H. i. 111. Abundant.

Order XXVII. Rosaceæ. Sp. 900, Tasm. 5. Temp. N. Hem.

- 210 *Geum urbanum*, L. (E.) B. ii. 428, H. i. 114. Common.
- 211 *Geum renifolium*, Muell. (T.) B. ii. 428, H. ii. 361. M. La Perouse, Macquarie Harbour.
- 212 *Potentilla anserina*, L. Silverweed. (E.) B. ii. 429, H. i. 113. Circular Head, Brighton.
- 213 *Rosa rubiginosa*, L. Briar. (A.) B. ii. 432. Abundant.
- 214 *Rubus gunnianus*, Hk. Wild Raspberry. (T.) B. ii. 430, H. i. 112. On Mountains, 3 to 5000'.
- 215 *Rubus parvifolius*, L. Raspberry. B. ii. 430, H. i. 112 (*macropoda*). Common.
- 216 *Rubus fruticosus*, L. Bramble. Blackberry. (A.) The N. Coast, Huon Road, etc.

- Order XXVIII. Sanguisorbæ. Sp. 150, Tasm. 3. Tem. Reg.
- 217 *Acæna ovina*, Cunn. Native Burnet. B. ii. 433, H. i. 115.  
Pastures, mostly North.
- 218 *Acæna montana*, H. (T). B. ii. 434, H. i. 115 (*sanguisorbæ*, var). M. La Perouse, M. Field E., 3 to 4000', M. Wellington.
- 219 *Acæna sanguisorbæ*, Vahl. Burr, Bidgee Widgee. B. ii. 434, H. i. 114. Common.
- 220 *Poterium sanguisorba*, L. Burnet. (A.) B. ii. 434. Hobart T. L. St. Clair, 4000'.
- 221 *Alchemilla arvensis*, Lam. (A.) B. ii. 432. Brighton. King's I.

Order XXIX. Saxifragæ. Sp. 450, Tasm. 5. Cosmop.

- 222 *Tetracarpæa tasmanica*, H. B. ii. 445, H. i. 150. Common in sub-alpine places.
- 223 *Anodopetalum biglandulosum*, Cunn. Horizontal Scrub. (T.) B. ii. 440, H. i. 168. Adamson's Peak, L. Pedder, Kermandee R.
- 224 *Anopterus glandulosus*, Lab. Native Laurel. (T.) B. ii. 439, H. i. 151. Common in forests.
- 225 *Eucryphia billardieri*, Spach. Pinkwood. (T.) B. ii. 446, H. i. 54, 54 (*milligani*). In mountainous places.
- 226 *Bauera rubioides*, Andr. Scrub Vine, Native Rose. B. ii. 447, H. i. 149 *f.* Abundant.

Order XXX. Crassuleæ. Sp. 400, Tasm. 4. S. Afr.

- 227 *Tillæa verticillaris*, D.C. B. ii. 451, H. i. 145. Common in dry places.
- 228 *Tillæa purpurata*, H. B. ii. 451, H. i. 145. Wet places, S. Esk R., etc.
- 229 *Tillæa macrantha*, H. B. ii. 452, H. i. 145. George T., Brighton, Hobart T.
- 230 *Tillæa intricata*, Nees. B. ii. 452 (*recurva*), H. i. 146 (*recurva*). Common in boggy places.

Order XXXI. Droseraceæ. Sp. 100, Tasm. 7. Cosmop.

- 231 *Drosera arcturi*, Hk. B. ii. 456, H. i. 28. W. Mountains, M. Wellington.
- 232 *Drosera pygmæa*, D.C. B. ii. 457, H. i. 29. N. W. Coast, L. St. Clair.
- 233 *Drosera spatulata*, Lab. B. ii. 459, H. i. 29. Wet places, Rocky C.
- 234 *Drosera binata*, Lab. Forked Sundew. B. ii. 461, H. i. 29. N. Coast, L. St. Clair, Hunting Grounds, Brown's River, Swanport, Southport, Port Davey.

- 235 *Drosera auriculata*, Back. Sundew. B. ii. 465, H. i. 30.  
Abundant.
- 236 *Drosera peltata*, Sm. B. ii. 465, H. i. 30, 30 (*gracilis f.*  
*foliosa f.*). Common.
- 237 *Drosera menziesii*, Br. B. ii. 468, H. i. 29 (*planchoni*). N.  
Coast, George T., George's Bay, Gould's Country.

Order XXXII. Haloragacæ. Sp. 75, Tasm. 13. Cosmop.

- 238 *Myriophyllum amphibium*, Lab. (T.) B. ii. 489, H. i. 122.  
Recherche Bay.
- 239 *Myriophyllum pedunculatum*, H. B. ii. 489, H. i. 122 *f.*  
Frequent.
- 240 *Myriophyllum integrifolium*, H. B. ii. 490, H. i. 123 *f.*  
Frequent.
- 241 *Myriophyllum elatinoides*, Gaud. B. ii. 487, H. i. 121.  
George T., Jordan R., Derwent R.
- 242 *Myriophyllum variifolium*, H. B. ii. 487, H. i. 122.  
Abundant.
- 243 *Meionectes brownii*, H. B. ii. 486, H. i. 123. The North,  
Circular Head, etc.
- 244 *Haloragis ceratophylla*, Endl. B. ii. 478, H. i. 119 (*pinna-*  
*tifida*). N. Coast, Brighton, Derwent R.
- 245 *Haloragis micrantha*, Br. B. ii. 482, H. i. 121. Common  
in moist places.
- 246 *Haloragis tetragyna*, Br. B. ii. 484, H. i. 120. Abundant  
in dry stony places.
- 247 *Haloragis teucroides*, A. Gray. B. ii. 484, H. i. 120  
(*gunnii f.*). Abundant in wet shady places.
- 248 *Haloragis depressa*, Walp. B. ii. 485, H. i. 120. Abundant,  
alpine.
- 249 *Gunnera cordifolia* H. (T.) B. ii. 491, H. i. 125. Abun-  
dant, alpine.
- 250 *Callitriche verna*, L. (E.) B. ii. 491, H. i. 124. Common.

Order XXXIII. Myrtacæ. Sp. 1600, Tasm. 27. Trop.  
India and S. Am.

- 251 *Calythrix tetragona*, Lab. Broom. B. iii. 50, H. i. 127 (*glabra*).  
Frequent.
- 252 *Thryptomene micrantha*, H. (T.) B. iii. 62, H. i. 128.  
Bicheno, Schouten I., Macquarie Harbour.
- 253 *Baeckia diffusa*, Sieb. B. iii. 76, H. i. 142, 141 (*thymifolia*,  
*leptocaulis*). Abundant.
- 254 *Baeckia gunniana*, Schau. B. iii. 78, H. i. 142. Abundant,  
alpine.
- 255 *Leptospermum lævigatum*, Muell. B. iii. 103, H. i. 141  
(*Fabricia*). N. and N. W. Coasts, Bass Strait, Schouten I.

- 256 *Leptospermum flavescens*, Sm. B. iii. 104, H. i. 139.  
Abundant.
- 257 *Leptospermum scoparium*, Frst. B. iii. 105, H. i. 138.  
Abundant.
- 258 *Leptospermum lanigerum*, Sm. Tea Tree. B. iii. 106, H. i.  
139, 139 (*nitidum*). Abundant.
- 259 *Leptospermum myrtifolium*, Sieb. B. iii. 108, H. i. 140, 140  
(*rupestre f.*). The North, Sandy Coasts, Flinders I.
- 260 *Kunzea corifolia*, Reich. Tea tree. B. iii. 115, H. i. 130.  
Bicheno, Bass Strait.
- 261 *Callistemon salignus*, D.C. Bottle brush. B. iii. 120, H. i.  
131, 131 (*viridiflorus*). Common on river banks.
- 262 *Melaleuca gibbosa*, Lab. B. iii. 133, H. i. 129. Common.
- 263 *Melaleuca squarrosa*, Sm. B. iii. 139, H. i. 129. Common in  
moist sandy soil.
- 264 *Melaleuca squamea*, Lab. Purple bottle brush. B. iii. 155,  
H. i. 128. Common.
- 265 *Melaleuca ericaefolia*, Sm. Swamp tea tree. B. iii. 159, H. i.  
129, 129 (*pustulata*). Abundant in the North; George's Bay,  
King's Island.
- 266 *Eucalyptus coriacea*, Cunn. Weeping gum. B. iii. 201, H. i.  
136. Abundant.
- 267 *Eucalyptus coccifera*, Hk. (T.) B. iii. 204, H. i. 133 *f.*  
Mountain tops.
- 268 *Eucalyptus amygdalina*, Lab. Peppermint. B. iii. 202, H. i.  
135, 137 (*radiata*, *nitida f.*). Abundant.
- 269 *Eucalyptus risdoni*, H. Drooping gum. (T.) B. iii. 203,  
H. i. 133 *f.* Abundant, South.
- 270 *Eucalyptus cordata*, Lab. (T.) B. iii. 224, H. i. 132. Re-  
cherche Bay, Huon R.
- 271 *Eucalyptus obliqua*, L'Her. Stringy Bark. B. iii. 204, H. i.  
136 (*gigantea f.*). Abundant.
- 272 *Eucalyptus globulus*, Lab. Blue gum. B. iii. 225, H. i. 133.  
Abundant S. and S.E., Flinders I.
- 273 *Eucalyptus urnigera*, H. (T.) B. iii. 227, H. i. 134 *f.* Abun-  
dant, alpine.
- 274 *Eucalyptus vernicosa*, H. (T.) B. iii. 232, H. i. 135. M.  
Fatigue, M. La Perouse, M. Arrowsmith.
- 275 *Eucalyptus viminalis*, Lab. White gum, Swamp gum. B. iii.  
239, H. i. 134. Abundant.
- 276 *Eucalyptus stuartiana*, Muell. Red gum. B. iii. 243, H. i.  
135 (*acervula*). Common.
- 277 *Eucalyptus gunnii*, H. Cider tree. B. iii. 246, H. i. 134 *f.*  
Abundant, alpine.

## Order XXXIV. Lythraceæ. Sp. 300, Tasm. 2. Tropics.

- 278 *Lythrum salicaria*, L. Loose-strife. (E.) B. iii. 298, H. i. 126. Common in wet places.  
 279 *Lythrum hyssopifolium*, L. (E.) B. iii. 299, H. i. 126. The North.

## Order XXXV. Onagraceæ. Sp. 450, Tasm. 4. Temp. Reg.

- 280 *Epilobium confertifolium*, H. B. iii. 304, H. i. 116 (*tenuipes*).  
 Isis R., M. Olympus, M. Wellington.  
 281 *Epilobium junceum*, Frst. B. iii. 304, 305 (*glabellum*, *tetragonum*), H. i. 118, 117 (*tetragonum*), 118 (*glabellum*).  
 Abundant.  
 282 *Epilobium billardierianum*, Ser. B. iii. 305, 305 (*pallidiflorum*),  
 H. i. 117 *f*, 117 (*pallidiflorum*).  
 283 *Aenothera tasmanica*, H. (T.) B. iii. 303, H. i. 119. Marlborough.

## Order XXXVI. Cucurbiteæ. Sp. 250, Tasm. 1. India and Africa.

- 284 *Sicyos angulata*, L. B. iii. 322, H. i. 143. Bass Strait.

## Order XXXVII. Mesembryaceæ. Sp. 400, Tasm. 4. S. Africa.

- 285 *Mesembryanthemum æquilaterale*, Haw. Pigs' faces. Canajong. B. iii. 324, H. i. 146. Abundant on coasts.  
 286 *Mesembryanthemum australe*, Sol. B. iii. 324, H. i. 147. The North, Bass Strait.  
 287 *Tetragonia expansa*, Murr. New Zealand spinach. B. iii. 325, H. i. 147. North Coast.  
 288 *Tetragonia implexicoma*, H. Ice Plant. B. iii. 326, H. i. 148. Common on coasts.

## Order XXXVIII. Umbelliferæ. Sp. 1300, Tasm. 21. North Temp. Reg.

- 289 *Hydrocotyle hirta*, Br. B. iii. 339, H. i. 152, 152 (*peduncularis f*, *tasmanica f*), 153 (*vagans f*). Abundant in wet places.  
 290 *Hydrocotyle tripartita*, Br. B. iii. 341, H. i. 154 (*muscosa*).  
 Circular Head.  
 291 *Hydrocotyle pterocarpa*, Muell. B. iii. 342, H. i. 159 *f*.  
 Circular Head, George's Bay, Southport.  
 292 *Hydrocotyle callicarpa*, Bunge. B. iii. 343, H. i. 153 (*tripartita*).  
 Launceston, Goshen, New Town, Kangaroo Point, in dry soil.  
 293 *Hydrocotyle asiatica*, L. B. iii. 346, H. i. 152. Circular Head, Launceston, L. St. Clair, Southport.

- 294 *Trachymene humilis*, B. B. iii. 351, H. i. 154 (*Didiscus*).  
Abundant, sub-alpine.
- 295 *Trachymene australis*, B. Native parsnip. B. iii. 349, H. i.  
154, (*Didiscus pilosus*). Circular Head, Goshen, Swanport.
- 296 *Xanthosia pilosa*, Rudge. B. iii. 360, H. i. 155 (*montana*).  
Common on the North Coast, Goshen, Flinders I.
- 297 *Xanthosia pusilla*, Bunge. B. iii. 361, H. i. 156. North  
Coast.
- 298 *Xanthosia dissecta*, H. B. iii. 362, H. i. 155. North Coast.
- 299 *Azorella saxifraga*, B. (T.) B. iii. 365, H. i. 159 (*Microscia-*  
*dium*). Loddon Plains, Macquarie Harbour.
- 300 *Azorella dichopetala*, B. B. iii. 365, H. i. 157 (*Dichopetalum*  
*ranunculaceum f.*). M. Sorell, M. La Perouse, Eldon  
Range.
- 301 *Diplaspis hydrocotyle*, H. B. iii. 366, H. i. 156 *f.* Alpine  
lakes.
- 302 *Diplaspis cordifolia*, H. B. iii. 366, H. i. 157. M. Sorell,  
M. La Perouse, L. St. Clair.
- 303 *Actinotus bellidioides*, B. (T.) B. iii. 369, H. i. 158  
(*Hemiphues*). L. St. Clair, L. Fenton 3000', M. Fatigue  
4000'.
- 304 *Eryngium vesiculosum*, Lab. Prick-foot. B. iii. 370, H. i.  
159. Common.
- 305 *Apium prostratum*, Lab. Native Celery. B. iii. 372  
(*australe*), H. i. 160 (*australe*). Common.
- 306 *Fœniculum vulgare*, Gaertn. Fennel. (A.) Common.
- 307 *Oreomyrrhis andicola*, Endl. B. iii. 377, H. i. 162 (*eriopoda*,  
*argentea*, *brachycarpa*, *ciliata*, *sessiliflora*). Frequent.
- 308 *Crantzia lineata*, Nutt. B. iii. 374, H. i. 160. Launceston,  
Jordan R., Hobart T., Bass Strait.
- 309 *Aciphylla procumbens*, Muell. (T.) B. iii. 375, H. ii. 363  
(*Gingidium*). M. La Perouse.
- 310 *Daucus brachiatus*, Sieb. B. iii. 376, H. i. 161. Common.
- 311 *Scandix pecten-veneris*, L. Shepherd's Needle. (A.) Abundant.

Order XXXIX. *Araliaceæ*. Sp. 350, Tasm. 2. Cosmop.

- 312 *Panax gunnii*, H. (T.) B. iii. 381, H. i. 163 *f.* M.  
La Perouse, L. Pedder.
- 313 *Panax sambucifolius*, Sieb. B. iii. 382. Douglas R.

Order XL. *Caprifoliaceæ*. Sp. 220, Tasm. 1. N. Temp. Reg.

- 314 *Sambucus gaudichaudiana*, D.C. Elder. B. iii. 398, H. i.  
164. The North, Gould's Country, King's I.

## Order XLI. Rubiaceæ. Sp. 4000, Tasm. 14. Cosmop.

- 315 *Coprosma hirtella*, Frst. Native Holly, Coffee Plant. B. iii. 429, H. i. 165. Abundant in rocky places.
- 316 *Coprosma microphylla*, Lab. Native Currant. B. iii. 430 (billardieri), H. i. 165 (billardieri). Common in shady ravines.
- 317 *Coprosma nitida*, Cunn. Red Currant. B. iii. 430, H. i. 165 *f.* Mountain tops, common.
- 318 *Coprosma pumila*, H. B. iii. 430, H. i. 166. Mountain tops, common.
- 319 *Coprosma repens*, H. Mountains, L. St. Clair.
- 320 *Nertera depressa*, Banks. B. iii. 431, H. i. 167. Western Mountains.
- 321 *Opercularia ovata*, H. B. iii. 435, H. i. 166 *f.* Launceston.
- 322 *Opercularia varia*, H. B. iii. 435, H. i. 167. Common in dry places.
- 323 *Sherardia arvensis*, L. (A.) Rare.
- 324 *Asperula oligantha*, Muell. B. iii. 444 (subsimplex, scoparia, conferta), 445 (gunnii, minima), H. i. 168 (subsimplex, gunnii), 169 (scoparia, conferta, pusilla *f.*), 170 (minima). Abundant.
- 325 *Galium gaudichaudi*, D.C. B. iii. 446, H. i. 170 (vagans). Frequent.
- 326 *Galium ciliare*, H. (T.) B. iii. 446, H. i. 170 *f.* Abundant.
- 327 *Galium australe*, D.C. B. iii. 446, H. i. 171, 171 (squalidum). Common.
- 328 *Galium albescens*, H. (T.) B. iii. 447, H. i. 171. M. Wellington, Swanport.
- 329 *Galium aparine*, L. (E.) B. iii. 447. Rare.

## Order \*. Dipsacæ. Sp. 150. S. Eur. and Africa.

- 330 *Scabiosa atropurpurea*, L. Sweet Scabious. (A.) Sandy Bay, Hobart T.

## Order XLII. Compositæ. Sp. 10,000, Tasm. 106. Cosmop.

- 331 *Olearia viscosa*, B. Dwarf Musk Tree. B. iii. 468, H. i. 173 (Eurybia). Abundant, alpine.
- 332 *Olearia argophylla*, Muell. Musk Tree. B. iii. 470, H. i. 172 (Eurybia). Common in forests.
- 333 *Olearia myrsinoides*, Muell. B. iii. 470, H. i. 174 (Eurybia), 173 (E. erubescens). Common.
- 334 *Olearia persoonioides*, Hk. (T.) B. iii. 471, H. i. 174 (Eurybia), 174 (E. alpina *f.*). Common, alpine.

\* See note on page 101.

- 335 *Olearia obcordata*, B. (T.) B. iii. 471, H. i. 174 (*Eurybia f.*)  
Common, alpine.
- 336 *Olearia pinifolia*, B. (T.) B. iii. 471, H. i. 171 (*Eurybia f.*)  
M. La Perouse, M. Field East, M. Wellington.
- 337 *Olearia ledifolia*, B. (T.) B. iii. 472, H. i. 177 (*Eurybia*).  
M. La Perouse, M. Field East, M. Sorell, M. Wellington.
- 338 *Olearia stellulata*, D.C. Daisy Tree. B. iii. 473, H. i. 175  
(*Eurybia fulvida*, *gunniana f.*, *lirata f.*). Abundant.
- 339 *Olearia axillaris*, Muell. B. iii. 475, H. i. 177 (*Eurybia*  
*linearifolia*). The North Coast, Bass Strait.
- 340 *Olearia ramulosa*, B. B. iii. 476, H. i. 178 (*Eurybia*).  
Common.
- 341 *Olearia floribunda*, B. B. iii. 476, H. i. 179 (*Eurybia f.*)  
Common on river banks.
- 342 *Olearia lepidophylla*, B. B. iii. 476, H. i. 179 (*Eurybia f.*)  
North Coast, M. Wellington, Macquarie Harbour, Bass Strait.
- 343 *Olearia glutinosa*, B. B. iii. 482, H. i. 179 (*Eurybia linifolia*).  
North Coast, Bass Strait.
- 344 *Olearia hookeri*, B. B. iii. 483, H. i. 180 (*Eurybia ericoides*).  
Great Swanport, Hobart T.
- 345 *Olearia glandulosa*, B. Swamp Daisy Tree. B. iii. 483, H. i.  
171 (*Eurybia*). Abundant on river banks.
- 346 *Olearia ciliata*, Muell. B. iii. 488, H. i. 180 (*Eurybia*). S.  
Esk R., Swanport.
- 347 *Celmisia longifolia*, Cass. B. iii. 489, H. i. 181. Mountain  
tops, 4 to 5000'.
- 348 *Vittadinia australis*, Rich. B. iii. 490, H. i. 181 (*scabra*),  
182 (*cuneata*). Frequent in dry places.
- 349 *Erigeron pappochroma*, Lab. B. iii. 494, H. i. 182, 183  
(*tasmanicus f.*, *gunnii f.*). Recherche Bay, Gould's Country,  
Macquarie Harbour, etc.
- 350 *Lagenophora billardieri*, Cass. B. iii. 507, H. i. 188, 189  
(*montana f.*, *latifolia*). Abundant.
- 351 *Lagenophora huegelii*, B. B. iii. 507, H. i. 189 (*gunniana f.*)  
Common.
- 352 *Lagenophora emphysopus*, H. B. iii. 508, H. i. 189.  
Common.
- 353 *Brachycome diversifolia*, Muell. B. iii. 511, H. i. 187.  
Common.
- 354 *Brachycome radicans*, Steetz. B. iii. 512, H. i. 184. S. Esk  
R., Marlborough, Brighton.
- 355 *Brachycome graminea*, Muell. B. iii. 514, H. i. 188  
(*Paquerina*), 185 (*parvula*). Frequent in marshy places.
- 356 *Brachycome angustifolia*, Cunn. B. iii. 186. Rare.
- 357 *Brachycome decipiens*, Hk. Native Daisy. B. iii. 516, H. i.  
184 *f.* Common.

- 358 *Brachycome cardiocarpa*, Muell. B. iii. 517, H. i. 185 (linearifolia). George's Bay, Gould's Country, M. Wellington, Formosa.
- 359 *Brachycome scapiformis*, D.C. B. iii. 517, H. i. 185, 184 (tenuiscapa *f.*). Abundant in rich soil.
- 360 *Brachycome stricta*, D.C. B. iii. 518, H. i. 186, 187 (oblongifolia). Abundant in rocky places.
- 361 *Brachycome ciliaris*, Less. B. iii. 518, H. i. 187. Chiefly in the central regions.
- 362 *Bellis perennis*, L. Daisy. (A.) Hobart T., etc.
- 363 *Xanthium spinosum*, L. Bathurst Burr. (A.) B. iii. 535. Launceston, Hobart T.
- 364 *Nablonium calyceroides*, Cass. (T.) B. iii. 545, H. i. 190 *f.* Macquarie Harbour, Bass Strait.
- 365 *Cotula filifolia*, Thnb. B. iii. 548. Bass Strait.
- 366 *Cotula coronopifolia*, L. B. iii. 549, 549 (*integrifolia*), H. i. 191, 192 (*integrifolia f.*). Abundant.
- 367 *Cotula australis*, H. B. iii. 550, H. i. 191 *f.* Abundant about Hobart T.
- 368 *Cotula alpina*, H. B. iii. 550, H. i. 192 *f.* Marlborough, M. Field East, 4000'.
- 369 *Cotula reptans*, B. B. iii. 551, H. i. 193 (*Leptinella intricata f.* longipes *f.*). Common in marshy places.
- 370 *Cotula filicula*, H. B. iii. 551, H. i. 194 (*Leptinella f.*). Hampshire Hills, M. Field East, M. Wellington.
- 371 *Myriogyne minuta*, Less. B. iii. 553, H. i. 194. Common.
- 372 *Abrotanella forsterioides*, H. (T.) B. iii. 554, H. i. 195 (*Scleroleima*). Mountain tops.
- 373 *Abrotanella scapigera*, Muell. (T.) B. iii. 555, H. i. 364 (*Trineuron*). M. La Perouse, L. St. Clair.
- 374 *Angianthus preissianus*, B. B. iii. 566, 567 (*eriocephalus*), H. i. 198 (*Skirrophorus eriocephalus f.*). Bass Strait.
- 375 *Calocephalus brownii*, Muell. B. iii. 574, H. i. 196 (*Leucophyta*). North Coast, George's Bay, Flinders I.
- 376 *Calocephalus lacteus*, Less. B. iii. 575, H. i. 196. North Coast, Brighton.
- 377 *Calocephalus citreus*, Less. B. iii. 575, Risdon Cove.
- 378 *Craspedia richea*, Cass. Bachelor's Buttons. B. iii. 579, H. i. 197, 198 (*alpina*, *macrocephala*). Abundant.
- 379 *Cassinia aculeata*, Br. B. iii. 586, H. i. 200. Abundant.
- 380 *Cassinia longifolia*, Br. B. iii. 586. Bay of Fires.
- 381 *Apalochlamys billardieri*, D.C. Native Tobacco. B. iii. 588 (*Cassinia spectabilis*), H. i. 199. The North, Swanport, Three Hut Point, Bass Strait, King's I.
- 382 *Rutidosis pumilo*, B. B. iii. 595, H. i. 199 (*Pumilo preissii f.*). George T., Tamar R.
- 383 *Millotia tenuifolia*, Cass. B. iii. 596, H. i. 209. Common in dry places.

- 384 *Ixiolæna supina*, Muell. B. iii. 598. Bass Strait.
- 385 *Podolepis acuminata*, Br. Native Dandelion. B. iii. 604, H. i. 209. Common.
- 386 *Leptorrhynchus squamatus*, Less. B. iii. 608, H. i. 208. Abundant.
- 387 *Leptorrhynchus elongatus*, D.C. B. iii. 610, H. i. 208. Common.
- 388 *Leptorrhynchus linearis*, Less. B. iii. 611, Derwent R.
- 389 *Helipterum anthemoides*, D.C. B. iii. 641, H. i. 215 *f.* Common.
- 390 *Helipterum incanum*, D.C. B. iii. 643, H. i. 214. The North. Brighton.
- 391 *Helichrysum scorpioides*, Lab. B. iii. 618, H. i. 211. Abundant.
- 392 *Helichrysum dealbatum*, Lab. (T). B. iii. 619, H. i. 213. Common in poor wet soil.
- 393 *Helichrysum pumilum*, H. (T). B. iii. 619, H. i. 213 *f.* On mountains.
- 394 *Helichrysum milligani*, H. B. iii. 620, H. i. 214. M. Sorell, M. La Perouse.
- 395 *Helichrysum lucidum*, Henck. B. iii. 620 (*bracteatum*), H. i. 210 (*bracteatum*), 212 (*papillosum*). Common.
- 396 *Helichrysum leucopsideum*, D.C. B. iii. 622, H. i. 213 *f.* North Coast, Gould's Country, Flinders I.
- 397 *Helichrysum apiculatum*, D.C. B. iii. 624, H. i. 212. Abundant.
- 398 *Helichrysum semipapposum*, D.C. B. iii. 625, H. i. 211. Abundant.
- 399 *Ozothamnus reticulatus*, D.C. (T.) B. iii. 629 (*Helichrysum*), H. i. 202. Rocky shores, Pirates Bay, etc.
- 400 *Ozothamnus cinereus*, D.C. B. iii. 629 (*Helichrysum*), H. i. 203. North Coast, Recherche Bay, Bass Strait.
- 401 *Ozothamnus bracteolatus*, H. (T.) B. iii. 630 (*Helichrysum*), H. i. 203. Flinders I.
- 402 *Ozothamnus gunnii*, H. (T.) B. iii. 630 (*Helichrysum*), H. i. 205. Sandy coasts, Flinders I.
- 403 *Ozothamnus ledifolius*, H. (T.) B. iii. 630 (*Helichrysum*), H. i. 204. On mountains, Flinders I.
- 404 *Ozothamnus rosmarinifolius*, D.C. B. iii. 631 (*Helichrysum*), H. i. 205 *f.*, 204 (*ericæfolius f.*), 205 (*thyrsoides*). Abundant.
- 405 *Ozothamnus ferrugineus*, D.C. B. iii. 631 (*Helichrysum*), H. i. 206. Common.
- 406 *Ozothamnus antennaria*, H. (T.) B. iii. 632 (*Helichrysum*), H. i. 203. On mountains.
- 407 *Ozothamnus obcordatus*, D.C. B. iii. 632 (*Helichrysum*), H. i. 202 *f.* Derwent R.

- 408 *Ozothamnus backhousii*, H. (T.) B. iii. 632 (*Helichrysum*),  
H. i. 204 *f.* M. Sorell, Apsley R., M. Wellington, Port  
Arthur.
- 409 *Ozothamnus gravesii*, Muell. (T.) Bass Strait.
- 410 *Ozothamnus hookeri*, Sond. B. iii. 633 (*Helichrysum bac-*  
*charoides*), H. i. 201 *f.* On mountains, 3 to 5000'.
- 411 *Ozothamnus scutellifolius*, H. (T.) B. iii. 633 (*Helichrysum*).  
H. i. 202 *f.* Port Arthur.
- 412 *Ozathamnus lycopodioides*, H. (T.) B. iii. 634 (*Helichrysum*),  
H. i. 201 *f.* Swanport, Prossers R., Kelvedon.
- 413 *Ozathamnus selaginoides*, Sond. B. iii. 634 (*Helichrysum*),  
H. i. 201 *f.* Near Oatlands, 3000'.
- 414 *Antennaria planchoni*, Muell. (T.) B. iii. 651 (*Raoulia*),  
H. i. 217 (*Gnaphalium f.*) M. Olympus, M. Wellington.
- 415 *Antennaria nubigena*, Muell. B. iii. 651 (*Raoulia catipes*),  
H. i. 206 (*R. catipes f.*) On mountain tops.
- 416 *Antennaria meredithæ*, Muell. (T.) M. Olympus, M. Field  
East.
- 417 *Gnaphalium luteo-album*, L. (E.) B. iii. 653, H. i. 216.  
Common.
- 418 *Gnaphalium japonicum*, Thnb. B. iii. 653, 654 (*collinum*),  
H. i. 216 (*collinum, involucratum*). Abundant.
- 419 *Gnaphalium alpigenum*, Muell. B. iii. 654, H. i. 217 *f.*  
On mountains.
- 420 *Gnaphalium indutum*, H. B. iii. 654, H. i. 217 *f.* Circular  
Head, George T., King's I.
- 421 *Gnaphalium candidissimum*, Lam. (A.) Hobart Town, New  
Town, Kangaroo point.
- 422 *Pterygopappus lawrencei*, H. (T.) B. iii. 656, H. i. 207 *f.*  
On mountain tops.
- 423 *Bedfordia salicina*, D.C. Dogwood, Honeywood. B. iii. 673,  
H. i. 224. Common.
- 424 *Bedfordia linearis*, D.C. B. iii. 673, H. i. 225. Common,  
alpine.
- 425 *Senecio centropappus*, Muell. (T.) B. iii. 666, H. i. 225  
(*Centropappus brunonis f.*) M. Wellington.
- 426 *Senecio papillosus*, Muell. (T.) B. iii. 664, H. ii. 365. M.  
La Perouse.
- 427 *Senecio primulifolius*, Muell. (T.) B. iii. 664, H. ii. 365.  
M. La Perouse.
- 428 *Senecio pectinatus*, D.C. B. iii. 664, H. i., 222 (*leptocarpus f.*).  
M. Sorell, Eldon Bluff, M. La Perouse, M. Wellington.
- 429 *Senecio spatulatus*, Rich. B. iii. 665, H. i. 222. Woolnorth,  
D'Entrecasteaux Channel, Macquarie Harbour, King's I.
- 430 *Senecio lautus*, Frst. B. iii. 667, H. i. 221, 222 (*capilli-*  
*folius f.*) Abundant.

- 431 *Senecio australis*, Willd. Fire-weed. B. iii. 668, H. i. 223.  
Common.
- 432 *Senecio velleyoides*, Cunn. B. iii. 668, H. i. 223. Shady  
alpine places.
- 433 *Senecio odoratus*, Horn. B. iii. 671, H. i. 223. Woolnorth,  
George's Bay, Macquarie Harbour, King's I.
- 434 *Senecio vulgaris*, L. (A.) Abundant.
- 435 *Erechthites prenanthoides*, D.C. B. iii. 658, H. i. 228.  
Sides of streams.
- 436 *Erechthites arguta*, D.C. B. iii. 659, H. i. 219. Frequent.
- 437 *Erechthites quadridentata*, D.C. B. iii. 660, H. i. 219, 220  
(*gunnii f.*). Common.
- 438 *Erechthites hispidula*, D.C. B. iii. 660, H. i. 220.  
Circular Head, Launceston.
- 439 *Cymbonotus lawsonianus*, Gaud. B. iii. 674, H. i. 226.  
Common.
- 440 *Cryptostemma calendulaceum*, Br. Cape weed. (A.) B. iii.  
675. Abundant, South.
- 441 *Calendula arvensis*, L. (A.) B. iii. 675. Hobart Town,  
New Town.
- 442 *Calendula officinalis*, L. (A.) Marigold. B. iii. 675. Hobart  
Town, New Town.
- 443 *Arnoseris pusilla*, Gaert. (A.) B. iii. 680. Rare.
- 444 *Centaurea melitensis*, L. (A.) B. iii. 458. Tamar Heads,  
Hobart Town.
- 445 *Silybum marianum*, Gaert. Milk thistle. (A.) B. iii. 458.  
Abundant.
- 446 *Carduus lanceolatus*, L. Scotch thistle. (A.) B. iii. 458.  
Abundant.
- 447 *Carduus arvensis*, Curt. Californian thistle. (A.) B. iii.  
459. Abundant.
- 448 *Hypochæris glabra*, L. (A.) B. iii. 677. Abundant.
- 449 *Hypochæris radicata*, L. (A.) Common.
- 450 *Leontodon hirtus*, L. (A.) B. iii. 680. Common.
- 451 *Tragopogon porrifolius*, L. Salsify. (A.) Hobart Town,  
Sandy Bay.
- 452 *Pieris hieracioides*, L. (A.) B. iii. 667, H. i. 227.  
Common.
- 453 *Sonchus oleraceus*, L. Sow thistle. (A.) B. iii. 679, H. i.  
227 (*asper*). Abundant.
- 454 *Taraxacum officinale*, Wigg. Dandelion. (A.) B. iii. 680  
(*dens-leonis*). Abundant.
- 455 *Microseris forsteri*, H. B. iii. 676, H. i. 226 *f.* Abundant.

Order XLIII. Stylideæ. Sp. 91, Tasm. 6. Austr.

- 456 *Stylidium graminifolium*, Swz. Trigger plant, Jack in a box.  
B. iv. 10, H. i. 235. Abundant.

- 457 *Stylidium perpusillum*, H. B. iv. 15, H. i. 235. George Town.
- 458 *Stylidium despectum*, Br. B. iv. 22, H. i. 235. George Town, Western Plains, King's I.
- 459 *Levenhookia dubia*, Sond. B. iv. 34. Brighton, Flinders I.
- 460 *Forstera bellidifolia*, Hk. (T.) B. iv. 37, H. i. 236. Western Mountains.
- 461 *Donatia novæ-zelandiæ*, H. B. ii. 450. Mountain tops, L. St. Clair.

Order XLIV. *Lobeleæ*. Sp. 350, Tasm. 7. Tropics.

- 462 *Lobelia gibbosa*, Lab. Blue lobelia. B. iv. 124, H. i. 238. Common.
- 463 *Lobelia anceps*, Thnb. B. iv. 128, H. i. 237. Common.
- 464 *Lobelia surrepens*, H. (T.) B. iv. 129, H. i. 237 *f.* Alpine marshes, Swanport.
- 465 *Lobelia pratioides*, B. B. iv. 131. S. Esk R., Perth, Spring Bay, Hobart Town.
- 466 *Lobelia irrigua*, Br. B. iv. 132 (*Pratia*), H. i. 238. Kent's Group.
- 467 *Lobelia pedunculata*, Br. B. iv. 133 (*Pratia*), H. i. 237 *f.* Common.
- 468 *Isotoma flaviatilis*, Muell. B. iv. 136, H. i. 238 (*Lobelia f.*). The North.

Order XLV. *Campanuleæ*. Sp. 500 Tasm. 2. Temp. Reg.

- 469 *Wahlenbergia gracilis*, D.C. Blue-bell. B. iv. 137, H. i. 239. Abundant.
- 470 *Wahlenbergia saxicola*, D.C. B. iv. 137, H. 239 *f.* Top of M. Wellington.

Order XLVI. *Goodeniaceæ*. Sp. 200, Tasm. 12. Austr.

- 471 *Velleya paradoxa*, Br. B. iv. 48, H. i. 233. Frequent.
- 472 *Velleya amontana*, H. B. iv. 50, H. i. 234 *f.* Mountains, Swanport.
- 473 *Selliera radicans*, Cav. B. iv. 82, H. i. 231. Common in marshy spots.
- 474 *Goodenia humilis*, Br. B. iv. 79, H. i. 233 *f.* The North, Gould's Country, L. St. Clair, Macquarie Harbour.
- 475 *Goodenia elongata*, Lab. B. iv. 74, H. i. 232. Common.
- 476 *Goodenia geniculata*, Br. Native primrose. B. iv. 62, 63 (*lanata*), H. i. 232, 232 (*hederacea*). Abundant in dry places.
- 477 *Goodenia ovata*, Sm. Parrots' food. B. iv. 59, H. i. 232. Abundant in woods.

- 478 *Goodenia barbata*, Br. B. iv. 61, Port Dalrymple.  
 479 *Scævola hookeri*, Muell. B. iv. 90, H. i. 231 *f.* Rocky Cape,  
 Goshen, Spring Vale, Swanport, M. Wellington.  
 480 *Scævola æmula*, Br. B. iv. 99. Swanport.  
 481 *Scævola microcarpa*, Cav. B. iv. 101. Flinders I.  
 482 *Dampiera stricta*, Br. B. iv. 115, H. i. 230. The North,  
 Gould's Country, Bay of Fires, Bass Strait.

Order XLVII. *Brunoniaceæ*. Sp. 1, Tasm. 1. Austr.

- 483 *Brunonia australis*, Sm. B. iv. 121, H. i. 229. Launceston,  
 Westbury, etc.

Order XLVIII. *Ericaceæ*. Sp. 1000, Tasm. 4. Temp. and  
 Cold Reg.

- 484 *Pernettya tasmanica*, H. Native Cranberry. (T.) B. iv.  
 140, H. i. 242 *f.* On mountain tops.  
 485 *Gaultheria hispida*, Br. Wax-clusters, Snowberry. B. iv.  
 141, H. i. 241. Common on mountains.  
 486 *Gaultheria lanceolata*, H. (T.) B. iv. 141, H. i. 241 *f.*  
 Ben Lomond, Western Mountains.  
 487 *Gaultheria antipoda*, Frst. B. iv. 142, H. i. 241 *f.* On  
 mountain tops.

Order XLIX. *Epacrideæ*. Sp. 350, Tasm. 60. South. Hem.

- 488 *Styphelia adscendens*, Br. B. iv. 146, H. i. 243. Common  
 on dry heaths.  
 489 *Astroloma humifusum*, Br. Native Cranberry. B. iv. 156,  
 H. i. 244. Abundant in heathy soil.  
 490 *Astroloma pinifolium*, B. B. iv. 159, H. i. 244 (*Stenanthera*).  
 Circular Head, Launceston, Gould's Country, Swanport,  
 Schouten I.  
 491 *Cyathodes glauca*, Lab. (T.) B. iv. 163, H. i. 245. Com-  
 mon, alpine.  
 492 *Cyathodes straminea*, Br. (T.) B. iv. 169, H. i. 245, 245  
 (*macrantha*). On mountains, 3 to 4000'.  
 493 *Cyathodes adscendens*, H. (T.) B. iv. 169, H. i. 245 *f.*  
 L. St. Clair, W. Mountains, M. Wellington.  
 494 *Cyathodes dealbata*, Br. (T.) B. iv. 169, H. i. 245. M.  
 Wellington, Frenchman's Cap.  
 495 *Cyathodes abietina*, Br. (T.) B. iv. 170, H. i. 247.  
 D'Entrecasteaux Channel.  
 496 *Cyathodes oxycedrus*, Br. B. iv. 170 (*acerosa*), H. i. 246.  
 Common, alpine.  
 496\* *Cyathodes divaricata*, H. (T.) B. iv. 170, H. i. 246 *f.*  
 Common, alpine.

- 497 *Cyathodes parvifolia*, Br. (T.) B. iv. 171, H. i. 246. Common, alpine.
- 498 *Leucopogon lanceolatus*, Br. B. iv. 185, H. i. 249 (*richei*, var.). Port Dalrymple.
- 499 *Leucopogon richei*, Br. Native currant. B. iv. 186, H. i. 249. Abundant on sandy coasts.
- 500 *Leucopogon australis*, Br. Native lavender. B. iv. 186, H. i. 249. In poor soil, usually near the sea. Flinders I.
- 501 *Leucopogon virgatus*, Br. B. iv. 201, H. i. 249. Abundant in dry places.
- 502 *Leucopogon hookeri*, Sond. B. iv. 205, H. i. 251 *f*. Abundant, alpine.
- 503 *Leucopogon collinus*, Br. B. iv. 191., H. i. 251 (*ciliatus f*). Abundant in dry places.
- 504 *Leucopogon ericoides*, Br. White-beard. B. iv. 209, H. i. 250. Abundant in dry places.
- 505 *Leucopogon fraseri*, Cunn. B. iv. 218, H. i. 251. Hampshire Hills, L. Echo, near Hobart Town.
- 506 *Acrotriche serrulata*, Br. B. iv. 227, H. i. 253, 253 (*patula*). Common on dry hills.
- 507 *Monotoca elliptica*, Br. B. iv. 230. Sandy coasts.
- 508 *Monotoca lineata*, Br. B. iv. 230, H. i. 252. Common near forests.
- 509 *Monotoca scoparia*, Br. B. iv. 230. N. W. Coast, George's Bay, Bay of Fires, L. Petrarch.
- 510 *Monotoca empetrifolia*, Br. (T.) B. iv. 231, H. i. 254. On mountains.
- 511 *Lissanthe strigosa*, Br. Peach-berry. B. iv. 175. H. i. 247. Abundant.
- 512 *Lissanthe montana*, Br. B. iv. 176, H. i. 247. M. Wellington.
- 513 *Lissanthe depressa*, Muell. B. iv. 173 (*Brachyloma*). Bicheno.
- 514 *Lissanthe ciliata*, Br. B. iv. 173 (*Brachyloma*), H. i. 248. The North, Goshen, Kangaroo Point.
- 515 *Lissanthe daphnoides*, Br. B. iv. 173 (*Brachyloma*), H. i. 248, Gordon R., Pittwater.
- 516 *Pentachondra involucrata*, Br. (T.) B. iv. 163, H. i. 255. Swanport, M. Wellington, Whale Head, Schouten I.
- 517 *Pentachondra pumila*, Br. B. iv. 164, H. i. 255. Mountain tops.
- 518 *Pentachondra ericaefolia*, H. (T.) B. iv. 164, H. i. 255 *f*. Near L. St. Clair.
- 519 *Pentachondra verticillata*, H. (T.) B. iv. 164, H. i. 256 *f*. M. Sorell.
- 520 *Trochocarpa disticha*, Spreng. (T.) B. iv. 166, H. i. 254 (*Decaspora*), 254 (*Dec. cunninghami*). Mountains, Hampshire Hills, Southport, Huon.

- 521 *Trochocarpa thymifolia*, Spreng. (T.) B. iv. 166, H. i. 254 (Decaspora). Western Mountains, M. Wellington.
- 522 *Trochocarpa gunnii*, Muell. (T.) B. iv. 167, H. i. 254 (Decaspora *f.*). Hampshire Hills, Western Mountains, etc.
- 523 *Epacris impressa*, Lab. Heath. B. iv. 235, H. i. 257, 257 (*ceræfolia*, *ruscifolia*). Abundant.
- 524 *Epacris petrophila*, H. B. iv. 236, H. i. 261. W. Mountains, 3,500' to 4,000'.
- 525 *Epacris obtusifolia*, Sm. B. iv. 237, H. i. 260. Wet soil on the coasts.
- 526 *Epacris myrtifolia*, Lab. (T.) B. iv. 238, H. i. 259, 261 (*corymbiflora f.*). Port Arthur, Recherche Bay, Birch's Inlet.
- 527 *Epacris exserta*, Br. (T.) B. iv. 238, H. i. 260, 260 (*virgata f.*). The North.
- 528 *Epacris mucronulata*, Br. (T.) B. iv. 238, H. i. 261 (*franklinii f.*). Port Esperance, Gordon R.
- 529 *Epacris lanuginosa*, Lab. Native Rocket, B. iv. 238, H. i. 258. Common in hilly places.
- 530 *Epacris heteronema*, Lab. B. iv. 239, H. i. 259. Southport, Recherche Bay, Port Davey, Flinders I.
- 531 *Epacris serpillifolia*, Br. B. iv. 240, H. i. 260, 259 (*squarrosa*). On mountain tops.
- 532 *Epacris microphylla*, Br. White Coral-flower. B. iv. 240, H. i. 256 (*gunnii f.*). On mountains, 3 to 4,000', Hampshire Hills.
- 533 *Epacris acuminata*, B. (T.) B. iv. 240, H. i. 258 (*mucronulata*). New Norfolk, M. Wellington, N. W. Bay.
- 534 *Archeria hirtella*, H. (T.) B. iv. 246, 245 (*eriocarpa*), H. i. 263 *f.*, 263 (*eriocarpa f.*). Dense forests, Macquarie Harbour, etc.
- 535 *Archeria serpillifolia*, H. (T.) B. iv. 246, H. i. 263 *f.*, 264 (minor). M. Olympus, M. Sorell, M. La Perouse.
- 536 *Prionotes cerinthoides*, Br. (T.) B. iv. 246, H. i. 262. Frequent on mountains.
- 537 *Sprengelia incarnata*, Sm. B. iv. 249, H. i. 264, 264 (*propinqua*), 265 (*montana*). Common.
- 538 *Cystanthe sprengelioides*, Br. (T.) B. iv. 258 (*Richea*), H. i. 265. Western Mountains, M. Wellington, etc.
- 539 *Cystanthe procera*, Muell. (T.) B. iv. 259 (*Richea*), H. ii. 366. Mountain tops, Southport, Huon.
- 540 *Cystanthe acerosa*, Muell. (T.) B. iv. 259 (*Richea*), H. i. 265 (*Pilitis f.*). On mountain tops.
- 541 *Cystanthe milligani*, Muell. (T.) B. iv., 259 (*Richea*), H. i. 265 (*Pilitis*). M. Sorell, M. Field East.
- 542 *Richea gunnii*, H. B. iv. 260, H. i. 267 *f.* W. Mountains, 3 to 5000', Blue Tier, M. Wellington.

- 543 *Richea scoparia*, H. Honey-plant. (T.) B. iv. 260, H. i. 267.  
W. Mountains, M. Wellington.
- 544 *Richea dracophylla*, Br. Grass Tree. (T.) B. iv. 260, H. i. 267.  
L. Fenton, M. Sorell, M. Wellington, Recherche Bay.
- 545 *Richea pandanifolia*, H. Giant Grass Tree. (T.) B. iv. 261,  
H. i. 266 *f.* Dense forests in the interior and S.W.
- 546 *Dracophyllum milligani*, Hk. (T.) B. iv. 262, H. ii. 367.  
M. Sorell, M. La Perouse.
- 547 *Dracophyllum minimum*, Muell. (T.) B. iv. 265, H. ii. 367.  
L. St. Clair, M. La Perouse, Eldon Bluff.

Order L. Plumbagineæ. Sp. 200, Tasm. 1. Temp. Reg.

- 548 *Statice taxanthea*, Roem. B. iv. 267 (*australis*), H. i. 301  
(*australis*). Common on muddy coasts.

Order LI. Primuleæ. Sp. 250, Tasm. 1. Temp. and cold Reg.

- 549 *Anagallis arvensis*, L. Pimpernel. (A.) B. iv. 270. Abundant.
- 550 *Samolus repens*, Pers. B. iv. 271, H. i. 301 (*littoralis*).  
Abundant on coasts.

Order LII. Oleaceæ. Sp. 280, Tasm. 1. Temp. Reg.

- 551 *Notelæa ligustrina*, Vent. Iron Wood. B. iv. 300, H. i. 268.  
Common in forests.

Order LIII. Apocyneæ. Sp. 900, Tasm. 2. Tropics.

- 552 *Lyonsia straminea*, Br. Devil's-gut. B. iv. 321, H. i. 270.  
The North, Honeywood, Macquarie Harbour.
- 553 *Alyxia buxifolia*, Br. Tonquin bean tree, Raspberry-jam  
wood, Native Sandal wood. B. iv. 307, H. i. 269. North  
Coast, George's Bay, Bass Strait.

Order LIV. Loganeæ. Sp. 350, Tasm. 6. Tropics.

- 554 *Mitrasacme pilosa*, Lab. B. iv. 352, H. i. 274. Frequent.
- 555 *Mitrasacme serpillifolia*, Br. B. iv. 352, H. i. 274.  
W. Mountains, Hampshire Hills.
- 556 *Mitrasacme montana*, H. B. iv. 351, H. i. 274 *f.* Mountains,  
Recherche Bay.
- 557 *Mitrasacme archeri*, H. (T.) B. iv. 351, H. ii. 368.  
W. Mountains, L. Fenton.
- 558 *Mitrasacme paradoxa*, Br. B. iv. 359, H. i. 274 *f.* Common  
near the sea.
- 559 *Mitrasacme distylis*, Muell. B. iv. 359, H. i. 274 *f.* George  
T., Kelvedon.

Order LV. *Gentianeæ*. Sp. 520, Tasm 7. Cosmop.

- 560 *Limnanthemum exaltatum*, Don. B. iv. 376 (*Villarsia reniformis*), H. i. 272 (*villarsia parnassifolia*). Abundant.  
 561 *Limnanthemum exiguum*, Muell. (T.) B. iv. 381, H. ii. 368. (*Villarsia*). Southport.  
 562 *Liparophyllum gunnii*, H. (T.) B. iv. 381, H. i. 273 *f.* Alpine lakes.  
 563 *Gentiana saxosa*, Frst. Mountain Gentian. B. iv. 373 (*montana*), H. i. 271 (*montana*). Abundant.  
 564 *Sebæa ovata*, Br. B. iv. 371, H. i. 270. Common.  
 565 *Sebæa albidiflora*, Muell. B. iv. 271, H. ii. 367. George T., Bridgewater.  
 566 *Erythraea australis*, Br. B. iv. 371, H. i. 271. Salt marshes on Tamar R.

Order LVI. *Convolvuleæ*. Sp. 800, Tasm. 7. Tropics.

- 567 *Convolvulus erubescens*, Sims. Maiden blush. B. iv. 429, H. i. 275. Abundant.  
 568 *Convolvulus arvensis*, L. Bindweed. (A.) B. iv. 429. Hobart T.  
 569 *Calystegia sepium*, Br. (E.) B. iv. 430 (*Convolvulus*), H. i. 276. Frequent.  
 570 *Calystegia soldanella*, Br. (E.) B. iv. 431 (*Convolvulus*). H. i. 276. Circular Head, George's Bay, Port Sorell.  
 571 *Wilsonia humilis*, Br. B. iv. 439, H. i. 277. Great Swanport.  
 572 *Wilsonia backhousiana*, H. B. iv. 440, H. i. 277. Great Swanport, Kelvedon.  
 573 *Dichondra repens*, Frst. B. iv. 438, H. i. 278. Gould's Country, Campbell Town, etc.  
 574 *Cuscuta tasmanica*, Eng. Dodder. B. iv. 441, H. i. 278 (*australis*). George T., Hobart T.

Order LVII. *Barragineæ*. Sp. 1200, Tasm. 5. Cosmop.

- 575 *Lithospermum arvense*, L. Iron-weed. (A.) Common.  
 576 *Myosotis australis*, Br. Forget-me-not. B. iv. 405, H. i. 279. Common.  
 577 *Myosotis suaveolens*, Poir. B. iv. 406, H. i. 279. Common.  
 578 *Cynoglossum suaveolens*, Br. Dogs-tongue. B. iv. 409, H. ii. 368. Common.  
 579 *Cynoglossum australe*, Br. B. iv. 409, H. i. 280. Common.  
 580 *Cynoglossum latifolium*, Br. B. iv. 408, H. i. 280. Circular Head.

Order LVIII. *Solaneæ*. Sp. 1500, Tasm 1. Tropics.

- 581 *Solanum aviculare*, Frst. Kangaroo Apple. B. iv. 447, H. i. 288. Common in damp woods.  
 582 *Solanum nigrum*, L. Nightshade. (A.) B. iv. 446, H. i. 288. Common.

## Order LIX. Scrophulariaceæ. Sp. 2000, Tasm. 19. Cosmop.

- 583 *Linaria cymbalaria*, Mill. (A.) Hobart T., New T.  
 584 *Anthocercis tasmanica*, H. (T.) B. iv. 479, H. i. 259 f.  
 The E. Coast.  
 585 *Glossostigma elatinoides*, B. B. iv. 502, H. i. 292. Esk R.,  
 Clyne Vale, King's I.  
 586 *Limosella aquatica*, L. (E.) B. iv. 502, H. i. 292. Circular  
 Head, Port Dalrymple, Hobart T., Kent's Group.  
 587 *Veronica formosa*, Br. Native Speedwell. (T.) B. iv., 506,  
 H. i. 293. Common alpine.  
 588 *Veronica derwentia*, Litt. B. iv. 507, H. i. 293 (labiata).  
 Frequent.  
 589 *Veronica nivea*, Lind. B. iv. 508, H. i. 294. Common, alpine.  
 590 *Veronica gracilis*, Br. B. iv. 508, H. i. 295. Common in moist  
 places.  
 591 *Veronica distans*, Br. B. iv., 509, H. i. 294. Circular Head,  
 Recherche Bay.  
 592 *Veronica calycina*, Br. B. iv. 509, H. i. 294. Common in rich  
 soil.  
 593 *Veronica plebeja*, Br. B. iv. 510. Swanport, Macquarie  
 Harbour, Gordon R.  
 594 *Veronica notabilis*, Muell. B. iv. 511, H. i. 295 (arguta).  
 St. Patrick's R.  
 595 *Veronica agrestis*, L. Field Speedwell. (A.) Gould's Country,  
 Hobart T.  
 596 *Veronica hederæfolia*, L. Gooseberry Weed. (A.) New  
 Norfolk, New T.  
 597 *Ourisia integrifolia*, Br. (T.) B. iv. 512, H. i. 295. Common  
 alpine.  
 598 *Mazus pumilio*, Br. B. iv. 484, H. i. 290. Common in wet  
 places.  
 599 *Gratiola peruviana*, L. B. iv. 493, H. i. 291 (pubescens,  
 latifolia). Common.  
 600 *Gratiola nana*, B. B. iv., 493, H. i. 291. Alpine river banks.  
 601 *Mimulus repens*, Br. B. iv., 482, H. i. 290. Common in wet  
 places.  
 602 *Euphrasia scabra*, Br. B. iv. 521, H. i. 297. Circular Head,  
 Port Dalrymple, Cheshunt.  
 603 *Euphrasia brownii*, Muell. B. iv. 520 (collina,) 521 (alpina,  
 striata), H. i. 296 (collina, alpina), 297 (striata, multicaulis).  
 Abundant.  
 604 *Euphrasia cuspidata*, H. B. iv. 522, H. i. 298. On mountains.

## Order LX. Lentibulaceæ. Sp. 180, Tasm. 5. Cosmop.

- 605 *Utricularia flexuosa*, Vahl. B. iv. 525, H. i. 298 (australis).  
 Launceston, Derwent R.

- 606 *Utricularia dichotoma*, Lab. Butterfly Plant. B. iv. 529, H. i. 299, 299 (uniflora). Common.
- 607 *Utricularia lateriflora*, Br. B. iv. 528, H. i. 299. W. Mountains, Southport, King's I.
- 608 *Utricularia monantha*, H. (T.) B. iv. 528, H. i. 299. Near Arthur's Lakes, Twamley, Buckland.
- 609 *Polypompholyx tenella*, Lehm. B. iv. 532, H. i. 300. Flinders I.

Order LXI. Myoporaceæ. Sp. 80, Tasm. 2. Temp. South. Hem.

- 610 *Myoporum insulare*, Br. Boobiolla. Native Mangrove. B. v. 4 (*serratum*), H. i. 287 (*tasmanicum*). North Coast, George's Bay, Pirates Bay, Flinders I., Kent's Group.
- 611 *Myoporum parvifolium*, Br. B. v. 6. Flinders I.

Order LXII. Labiatæ. Sp. 2,500, Tasm. 12. Temp. Reg.

- 612 *Mentha australis*, Br. Native Mint. B. v. 83, H. i. 281. Common in marshes.
- 613 *Mentha gracilis*, Br. B. v. 83, H. i. 281. Common in stony places.
- 614 *Mentha saturejoides*, Br. B. v. 84 (*serpillifolia*), H. i. 281 (*serpillifolia*). Common in marshy places.
- 615 *Lycopus australis*, Br. B. v. 85, H. i. 282. Common in moist places.
- 616 *Prunella vulgaris*, L. (E.) B. v. 87, H. i. 282. Abundant.
- 617 *Scutellaria humilis*, Br. B. v. 88, H. i. 283. Frequent.
- 618 *Prostanthera lasianthos*, Lab. Mint tree. B. v. 93, H. i. 283. Common in forests.
- 619 *Prostanthera rotundifolia*, Br. Native Lilac. B. v. 96, H. i. 284 *f.* N. and S. Esk R., Port Dalrymple.
- 620 *Prostanthera cuneata*, B. B. v. 99, H. i. 284 *f.* S. Esk R.
- 621 *Westringia rosmariniformis*, Sm. B. v. 128 (*brevifolia*), 129 (*dampieri*, *rigida*), 131 (*rubiaefolia*), H. i. 285 (*rubiaefolia*, *brevifolia f.*, *angustifolia*). Frequent.
- 622 *Marrubium vulgare*, L. (A.) B. v. 73. Abundant, Hobart Town, etc.
- 623 *Stachys arvensis*, L. (A.) B. v. 73. Hobart T., New T.
- 624 *Teucrium corymbosum*, Br. B. v. 133, H. i. 285. Common in dry places.
- 625 *Ajuga australis*, Br. B. v. 136, H. i. 286. Common.

Order LXIII. Plantagineæ. Sp. 100, Tasm. 4. Temp. Reg.

- 626 *Plantago varia*, Br. Rib-grass. B. v. 139, H. i. 302. Abundant.
- 627 *Plantago lanceolata*, L. Rib-grass. (A.) B. v. 138. Abundant.
- 628 *Plantago major*, L. (A.) Hobart Town.

- 629 *Plantago coronopus*, L. (A.) B. v. 138. George T., Brighton, Bridgewater.  
 630 *Plantago tasmanica*, H. B. iv. 141, H. i. 303, 303 (archeri).  
 Common, alpine.  
 631 *Plantago brownii*, Rap. B. v. 141, H. i. 304 (paradoxa).  
 Southport, Pirates Bay, Macquarie Harbour.  
 632 *Plantago gunnii*, H. B. v. 142, H. i. 304. Western Mountains.

Order LXIV. Phytolacceæ. Sp. 60, Tasm. 1. Am.

- 633 *Didymotheca thesioides*, H. B. v. 145, H. i. 309 f. Launceston, Kelvedon, Bass Strait.

Order LXV. Polygoneæ. Sp. 500, Tasm. 9. North. Hem.

- 634 *Muehlenbeckia adpressa*, Meisn. Macquarie Harbour Vine.  
 B. v. 273, H. i. 308. Common on coasts.  
 635 *Muehlenbeckia axillaris*, H. B. v. 275, H. i. 308. Frequent  
 in moist soil.  
 636 *Polygonum strigosum*, Br. B. v. 268, H. i. 307. The North,  
 Deloraine, etc.  
 637 *Polygonum prostratum*, Br. B. v. 268, H. i. 307. Common.  
 638 *Polygonum minus*, Huds. (E.) B. v. 269, H. i. 306. Common  
 in the North.  
 639 *Polygonum subsessile*, Br. B. v. 269, H. i. 306. The North.  
 640 *Polygonum lapathifolium*, L. (E.) B. v. 269. Port Dalrymple.  
 641 *Polygonum aviculare*, L. Wire-weed, Hog-weed. (A.) B. v.  
 267. Abundant.  
 642 *Rumex brownii*, Camp. B. v. 263, H. i. 305. Abundant.  
 643 *Rumex crispus*, L. Dock. (A.) Abundant.  
 644 *Rumex bidens*, Br. B. v. 265, H. i. 305. Common.  
 645 *Rumex acetosella*, L. Sheep's Sorrel. (A.) B. v. 265.  
 Abundant.

Order LXVI. Amarantææ. Sp. 400, Tasm. 3. Temp. Reg.

- 646 *Hemichroa pentandra*, Br. B. v. 211, H. i. 311. Circular  
 Head, George T., Great Swanport.  
 647 *Alternanthera denticulata*, Br. B. v. 249, H. i. 310 (sessilis),  
 Launceston, Port Dalrymple, Clyne Vale.  
 648 *Trichinium spatulatum*, Br. Cat's-paw. B. v. 236, H. i. 310 f.  
 Kelvedon, Ross, Brighton, Derwent R.

Order LXVII. Chenopodeæ. Sp. 350, Tasm. 9. Cosmop.

- 649 *Rhagodia nutans*, Br. B. v. 156, H. i. 312. S. Esk R., Ross,  
 Brighton, Hobart T., etc.  
 650 *Rhagodia billardieri*, Br. B. v. 156, H. i. 312. Common on  
 coasts.

- 651 *Atriplex cinerea*, Poir. Botany Bay greens. B. v. 171, H. i. 314. Abundant on coasts.
- 652 *Atriplex paludosa*, Br. B. v. 169. Circular Head, Port Dalrymple, Kings I.
- 653 *Atriplex patula*, L. (A.) B. v. 173, H. i. 314. Launceston, Port Cygnet.
- 654 *Atriplex crystallina*, H. B. v. 180 (*billardieri*), H. i. 315 (*billardieri f.*). George T., Southport, Pirates Bay.
- 655 *Chenopodium glaucum*, L. (A.) B. v. 161, H. i. 313. Common on the coast.
- 656 *Chenopodium album*, L. (A.) B. v. 159. Common.
- 657 *Chenopodium murale*, L. (A.) B. v. 160, H. i. 313 (*erosum*). Kent's Group.
- 658 *Threkeldia diffusa*, Br. B. v. 197, H. i. 315. George Town, Kent's Group.
- 659 *Suaeda maritima*, Dum. (E.) B. v. 206, H. i. 316. Abundant on coast.
- 660 *Salicornia australis*, Sol. B. v. 205, H. i. 317 (*indica*). Abundant on coast.
- 661 *Salicornia arbuscula*, Br. B. v. 203, H. i. 316. Circular Head, Clarence Plains, Hobart T., Flinders I.

Order LXVIII. *Scleranthææ*. Sp. 15, Tasm. 2. Temp. Reg.

- 662 *Scleranthus biflorus*, H. B. v. 259, H. i. 42, 42 (*fasciculatus*). Abundant.
- 663 *Scleranthus diander*, Br. B. v. 260, H. i. 42. Launceston, Port Dalrymple.

Order LXIX. *Monimiaceæ*. Sp. 45, Tasm. 1. Austr.

- 664 *Atherosperma moschatum*, Lab. Sassafras. B. v. 284, H. i. 12. Abundant in forests.

Order LXX. *Lauraceæ*. Sp. 450, Tasm. 3. Tropics.

- 665 *Cassytha glabella*, Br. Wire grass. B. v. 209, H. i. 318. Common.
- 666 *Cassytha pubescens*, Br. Native Mistletoe. B. v. 310, H. i. 318. Abundant.
- 667 *Cassytha melantha*, Br. B. v. 311, H. i. 317. Launceston, Kelvedon.

Order LXXI. *Thymeleæ*. Sp. 300, Tasm. 18. Austr. and S. Afr.

- 668 *Drapetes tasmanica*, H. B. vi. 36, H. i. 330. W. Mountains, Little Pine Lake.
- 669 *Pimelea cinerea*, Br. (T.) B. vi. 8, H. i. 332, 332 (*gunnii*). L. St. Clair, M. Wellington, Southport.
- 670 *Pimelea milligani*, Meisn. (T.) B. vi. 8. M. Sorell, 3000'.

- 671 *Pimelea glauca*, Br. B. vi. 15, H. i. 334. Common in sandy soil.
- 672 *Pimelea linifolia*, Sm. B. vi. 17, 17 (*spatulata*), H. i. 334, 333 (*cernua*). Common in sandy soil.
- 673 *Pimelea ligustrina*, Lab. B. vi. 18, H. i. 333. Common in forests.
- 674 *Pimelea humilis*, Br. B. vi. 19, H. i. 334. Abundant.
- 675 *Pimelea sericea*, Br. (T.) B. vi. 19, H. i. 333. On mountain tops.
- 676 *Pimelea nivea*, Lab. Cotton Shrub. (T) B. vi. 20, H. i. 332. Common in forests.
- 677 *Pimelea drupacea*, Lab. B. vi. 21, H. i. 331. Common in damp forests.
- 678 *Pimelea filiformis*, H. (T.) B. vi. 23, H. i. 331 *f.* Launceston.
- 679 *Pimelea axiflora*, Muell. B. vi. 26. King's I.
- 680 *Pimelea pauciflora*, Br. B. vi. 27, H. i. 335. On river banks.
- 681 *Pimelea pygmaea*, Muell. (T.) B. vi. 28, H. i. 335. W. Mountains, 4000'.
- 682 *Pimelea serpillifolia*, Br. B. vi. 29. Flinders I., King's I., Blue Tier.
- 683 *Pimelea flava*, Br. B. vi. 29, H. i. 333. In poor soil, rare.
- 684 *Pimelea curviflora*, Br. B. vi. 31, H. i. 331 (*gracilis*). On river banks.
- 685 *Pimelea stricta*, Meisn. B. vi. 34. Swanport.

Order LXXII. Proteaceæ. Sp. 650, Tasm. 22. Austr. and S. Afr.

- 686 *Isopogon ceratophyllum*, Br. B. v. 347, H. i. 319. Bass Strait.
- 687 *Conospermum taxifolium*, Sm. B. v. 372, H. i. 319. Spring Bay, George's Bay, Gould's Country.
- 688 *Bellenden montana*, Br. Mountain Rocket. (T) B. v. 378, H. i. 322. Mountains.
- 689 *Agastachys odorata*, Br. (T.) B. v. 379, H. i. 320. Frequent in forests.
- 690 *Cenarrhenes nitida*, Lab. Native Plum, Port Arthur Plum. (T.) B. v. 380, H. i. 320. Frequent in forests.
- 691 *Persoonia gunnii*, H. (T.) B. v. 399, H. i. 321. On mountains.
- 692 *Persoonia juniperina*, Lab. B. v. 403, H. i. 321. Common.
- 693 *Orites diversifolia*, Br. (T.) B. v. 411, H. i. 326. On mountain tops.
- 694 *Orites milligani*, Meisn. (T.) B. v. 411, H. i. 326. M. Sorell, 4 to 5000'.
- 695 *Orites revoluta* Br. (T.) B. v. 412, H. i. 326. On mountains.
- 696 *Orites acicularis*, Br. B. v. 412, H. i. 326. On mountains.
- 697 *Grevillea australis*, Br. B. v. 472, H. i. 322, 323 (*stuartii*). Common.

- 698 *Hakea pugioniformis*, Cav. B. v. 506, H. i. 324. Common.  
 699 *Hakea epiglottis*, Lab. (T.) B. v. 508, H. i. 324. Common.  
 700 *Hakea acicularis*, Br. Native Pear. B. v. 514 H. i. 325, 325  
 (lissosperma). Common, 2 to 4000'.  
 701 *Hakea microcarpa* Br. B. v. 516, H. i. 324 Common on  
 river banks.  
 702 *Hakea ulicina*, Br. B. v. 524. Flinders I.  
 703 *Telopea truncata*, Br. Waratah. (T.) B. v. 535, H. i. 327.  
 Abundant, 2 to 4,000'.  
 704 *Lomatia tinctoria*, Br. Guitar plant. (T.) B. v. 537, H. i.  
 328. Abundant.  
 705 *Lomatia polymorpha*, Br. (T.) B. v. 538, H. i. 327,  
 Common in the central and west districts.  
 706 *Banksia marginata*, Cav. Honeysuckle. B. v. 553, H. i. 329  
 (australis). Abundant.  
 707 *Banksia serrata*, Lf. B. v. 556, H. i. 329 (media). The  
 Sisters near Rocky Cape.

Order LXXIII. *Urticeæ*. Sp. 500, Tasm. 3. Tropics.

- 708 *Parietaria debilis*, Frst. B. vi. 188, H. i. 344. Launceston,  
 Western Plains, Flinders I., King's I.  
 709 *Australina pusilla*, Gaud. B. vi. 189, H. i. 345. Frequent in  
 moist ravines.  
 710 *Urtica incisa*, Poir. Stinging Nettle. B. vi. 190, H. i. 343.  
 Common.  
 711 *Urtica urens*, L. Stinging Nettle. (A.) B. vi. 191. Abundant.

Order LXXIV. *Casuarineæ*. Sp. 20, Tasm. 4. Austr.

- 712 *Casuarina quadrivalvis*, Lab. She Oak. B. vi. 195 (stricta),  
 H. i. 347. Abundant.  
 713 *Casuarina suberosa*, Otto. He Oak, Swamp Oak, Marsh Oak.  
 B. vi. 197, H. i. 348 f. Common.  
 714 *Casuarina distyla*, Vent. B. vi. 198, H. i. 348. Common.  
 715 *Casuarina bicuspidata*, B. B. vi. 202. Flinders I.

Order LXXV. *Euphorbiaceæ*, Sp. 3000, Tasm 10. Trop. Am.

- 716 *Euphorbia drummondii*, Boiss. B. vi. 49. Swanport.  
 717 *Euphorbia helioscopia*, L. (A.) Abundant.  
 718 *Euphorbia peplus*, L. (A.) Abundant.  
 719 *Bertya rosmarinifolia*, Planch. B. vi. 76, H. i. 339. S. Esk  
 R., Nile R.  
 720 *Ricinocarpus pinifolius*, Desf. B. vi. 70, H. i. 338. North  
 Coast, Swanport, Schouten I.  
 721 *Beyera viscosa*, Miq. Pink Wood. B. vi. 64, H. i. 339,  
 (oblongifolia), 339 (backhousii) Abundant.  
 722 *Amperea spartioides*, Brong. B. vi. 84. Abundant in sand.

- 723 *Micrantheum hexandrum*, H. B. vi. 57, H. i. 342. Launceston, S. Esk R., Port Dalrymple.  
 724 *Pseudanthus ovalifolius*, Muell. B. vi. 59. Flinders I.  
 725 *Poranthera microphylla*, Brong. B. vi. 56, H. i. 343. Common.  
 726 *Phyllanthus australis*, H. B. vi. 108, H. i. 341. Common.  
 727 *Phyllanthus gunnii*, H. B. vi. 110, H. i. 341. North Coast, King's I.

Order LXXVI. Ceratophylleæ. Sp. 5, Tasm. 1. Cosmop.

- 728 *Ceratophyllum demersum*, L. (E.) B. ii. 491, H. ii. 362. Launceston.

Order LXXVII. Corylaceæ. Sp. 250, Tasm. 2. Temp. Reg.

- 729 *Fagus cunninghami*, H. Myrtle. B. vi. 210, H. i. 346. Common in forests.  
 730 *Fagus gunnii*. H. (T.) B. vi. 210, H. i. 346. On mountain tops.

Order LXXVIII. Santaleæ. Sp. 110, Tasm. 6. Cosmop.

- 731 *Thesium australe*, Br. B. vi. 212, H. i. 337. Derwent R.  
 732 *Leptomeria glomerata*, Muell. (T.) B. vi. 223, H. ii. 370. Southport, Eagle Hawk Neck, Huon R., Macquarie Harbour.  
 733 *Leptomeria billardieri*, Br. Native Currant. B. vi. 222, H. i. 357. The North, George's Bay, Hobart T.  
 734 *Exocarpus humifusa*, Br. (T.) B. vi. 231. Mountain tops.  
 735 *Exocarpus stricta*, Br. B. vi. 230, H. i. 336. Common on poor land.  
 736 *Exocarpus cupressiformis*, Lab. Cherry Tree. B. vi. 229, H. i. 336. Common.

Order LXXIX. Coniferæ. Sp. 350, Tasm. 11. Temp. Reg.

- 737 *Athrotaxis cupressoides*, Don. Pencil Cedar, King William Pine. (T.) B. vi. 242, H. i. 354. W. Mountains, L. St. Clair, L. Fenton.  
 738 *Athrotaxis laxifolia*, Hk. Mountain Pine, Cedar. (T.) B. vi. 242, H. i. 354. W. Mountains, L. Fenton.  
 739 *Athrotaxis selaginoides*, Don. Pencil Cedar, Red Pine. (T.) B. vi. 242, H. i. 354. W. Mountains, M. Field East, Port Davey.  
 740 *Frenela ventenati*, Mirb. Oyster Bay Pine. B. vi. 237 (rhomboides), H. i. 352 (rhomboides). East Coast, Oyster Bay, Flinders I., Kent's Group.  
 741 *Frenela australis*, Br. Native Cypress. (T.) B. vi., 238, H. i. 352 f. S. Esk R., Launceston, Port Dalrymple.  
 742 *Diselma archeri*, H. Cheshunt Pine. (T.) B. vi. 240, H. i. 353 f. W. Mountains, L. St. Clair.

- 743 *Pterosphaera hookeriana*, Arch. (T.) B. vi. 245, H. i. 355 *f.*  
L. St. Clair, M. Field East.
- 744 *Microcachrys tetragona*, H. (T.) B. vi. 241, H. i. 358 *f.*  
Mountain tops.
- 745 *Dacrydium franklinii*, H. Huon Pine. (T.) B. vi. 245, H. i.  
357 *f.* The S. and W. districts.
- 746 *Podocarpus alpina*, Br. B. vi. 248, H. i. 356. Mountain tops.
- 747 *Phyllocladus rhomboidalis*, Rich. Celery-top Pine. (T.) B. vi.  
246, H. i. 358. Common in dense forests.

**Class II. Endogens. Sp. 14000, Tasm. 259.**

Order LXXX. Hydrocharideæ. Sp. 20, Tasm. 1. Cosmop.

- 748 *Vallisneria spiralis*, L. (E.) B. vi. 259, H. ii. 37. S. Esk R.,  
Jordan R.
- 749 *Elodea canadensis*, Mich. American water-weed. (A.)  
Jordan R., Hobart T.

Order LXXXI. Orchideæ. Sp. 3,000. Tasm. 66. Cosmop.

- 750 *Dendrobium striolatum*, Reich. B. vi. 285, H. ii. 373 (*milligani*)\*  
Bicheno, Freycinet's Peninsula, Flinders I.
- 751 *Sarcophilus parviflorus*, Lind. B. vi. 294, H. ii. 33 (*Gunnia*  
*australis f.*). Circular Head, Great Swanport, Macquarie  
Harbour, Kings I.
- 752 *Dipodium punctatum*, Br. Spotted Orchis. B. vi. 301, H. ii.  
32 *f.* Circular Head, Gould's Country, Apsley, Port Sorell,  
Oyster Cove, Huon Road.
- 753 *Gastrodia sesamoides*, Br. Native Potato. B. vi. 309, H. ii.  
31 *f.* Frequent in forests.
- 754 *Microtis porrifolia*, Spreng. B. vi. 347, 347 (*parviflora*), H. ii.  
24 (*pulchella f.*, *arenaria f.*, *rara*), 25 (*parviflora*). Abundant.
- 755 *Corysanthes pruinosa*, Cunn. B. vi. 351 (*fimbriata*), H. ii. 16  
(*fimbriata f.*). Common.
- 756 *Pterostylis curta*, Br. B. vi. 355, H. ii. 18. Common.
- 757 *Pterostylis nutans*, Br. Cows-horns. B. vi. 356, H. ii. 18.  
Common.
- 758 *Pterostylis pedunculata*, Br. Green-tops. B. vi. 356, H. ii.  
19 *f.* Abundant.
- 759 *Pterostylis nana*, Br. B. vi. 357, H. ii. 19.\* Circular Head,  
Port Dalrymple, Bagdad, Southport.
- 760 *Pterostylis cucullata*, Br. Helmet Orchis. B. vi. 357, H. ii.  
19 *f.* Common on poor soil.
- 761 *Pterostylis furcata*, Lind. B. vi. 353, H. ii. 20, 20 (*dubia f.*)  
Launceston, Hampshire Hills, Delorame.

\* The figure given is not that of *P. nana*.

- 762 *Pterostylis præcox*, Lind. B. vi., 359, H. ii. 21. Circular Head, Goshen, Hobart T., Flinders I.
- 763 *Pterostylis obtusa*, Br. B. vi. 360, H. ii. 19 *f.* Common North, Goshen, Buckland, Bass Strait.
- 764 *Pterostylis parviflora*, Br. B. vi. 361, H. ii. 22. Port Dalrymple, Hobart T., Huon R., Southport.
- 765 *Pterostylis aphylla*, Lind. (T.) B. vi. 361, H. ii. 22 *f.* Circular Head, Huon R., Southport.
- 766 *Pterostylis barbata*, Lind. B. vi. 362, H. ii. 20 (*squamata f.*). Common in sand.
- 767 *Pterostylis mutica*, Br. B. vi. 362, H. ii. 21 *f.* Common.
- 768 *Pterostylis rufa*, Br. B. vi. 363, H. ii. 21 *f.* Port Sorell, Meander R.
- 769 *Pterostylis longifolia*, Br. B. vi. 366, H. ii. 22 *f.* Common in dry soil.
- 770 *Caleya major*, Br. Cockatoo Orchis. B. vi. 365 (*Caleana*), H. ii. 18 (*Caleana*). Rocky Cape, George's Bay, Hobart T., Southport.
- 771 *Caleya minor*, Br. B. vi. 366 (*Caleana*). Near Hobart T.
- 772 *Acianthus caudatus*, Br. B. vi. 369, H. ii. 25 *f.* Common in woods.
- 773 *Acianthus exsertus*, Br. B. vi. 370, H. ii. 25 *f.* Circular Head, George's Bay, Swanport, Southport.
- 774 *Acianthus viridis*, H. (T.) B. vi. 371, H. ii. 372. M. Wellington.
- 775 *Eriochilus autumnalis*, Br. B. vi. 372, H. ii. 26 *f.* Common in open ground.
- 776 *Lyperanthus nigricans*, Br. B. vi. 374, H. ii. 16 *f.* Rocky Cape, George T., Gould's Country.
- 777 *Burnettia cuneata*, Lind. (T.) B. vi., 375, H. ii. 17 *f.* Rocky Cape, Southport, Macquarie Harbour.
- 778 *Cyrtostylis reniformis*, Br. B. vi. 376, H. ii. 26 *f.* Common in open ground.
- 779 *Chiloglottis diphylla*, Br. B. vi. 390, H. ii. 23. Circular Head, Woolnorth, Southport.
- 780 *Chiloglottis gunnii*, Lind. Ant Orchis. B. vi. 391, H. ii. 23 *f.* Circular Head, Ben Lomond, Hobart T., Southport.
- 781 *Caladenia pulcherrima*, Muell. Spider Orchis. B. vi., 381 (*filamentosa*, *patersoni*, *clavigera*), H. ii. 27 (*filamentosa f.*, *dilatata f.*), 28 (*clavigera f.*, *patersoni f.*, *pallida*). Abundant.
- 782 *Caladenia latifolia*, Br. B. vi. 384, H. ii. 28. Circular Head, Woolnorth, George T., Hobart T.
- 783 *Caladenia suaveolens*, Reich. B. vi. 385. D'Entrecasteaux Channel.
- 784 *Caladenia carnea*, Br. B. vi. 386, 387 (*congesta*), H. ii. 29 *f.*, 30 (*congesta f.*, *alata f.*, *angustata f.*). Abundant.
- 785 *Caladenia cærulea*, Br. B. vi. 388, H. ii. 29. Rare.

- 786 *Caladenia deformis*, Br. B. vi. 388, H. ii. 29 (*barbata f.*).  
Abundant.
- 787 *Caladenia manziesii*, Br. B. vi. 379, H. ii. 27 *f.* Common in  
moist places.
- 788 *Glossodia major*, Br. B. vi. 392, H. ii. 31 *f.* Common.
- 789 *Spiranthes australis*, Lind. B. vi. 314, H. ii. 15. Circular  
Head, S. Esk R., Swanport, Spring Vale.
- 790 *Calochilus campestris*, Br. B. vi. 315, H. ii. 15 *f.* Common.
- 791 *Thelymitra ixioides*, Swz. B. vi. 317, H. ii. 6 *f.* Abundant.
- 792 *Thelymitra aristata*, Lind. B. vi. 319, H. ii. 5 (*angustifolia*).  
Common.
- 793 *Thelymitra longifolia*, Frst. Native Hyacinth. B. vi. 319, H.  
ii. (*nuda f.*). Common.
- 794 *Thelymitra carnea*, Br. B. vi. 321, H. ii. 5 *f.* Common.
- 795 *Thelymitra flexuosa*, Endl. B. vi. 322, H. ii. 4 (*smithiana f.*).  
Circular Head, George T., George's Bay, Southport, Flinders I.
- 796 *Thelymitra antennifera*, H. B. vi. 322, H. ii. 4 *f.* George T.
- 797 *Thelymitra cyanea*, Lind. (T.) B. vi. 323, H. ii. 4 (*venosa f.*).  
Circular Head, Huon, Southport, Macquarie Harbour.
- 798 *Diuris palustris*, Lind. B. vi. 327, H. ii. 7. Circular Head,  
S. Esk R., Hobart T.
- 799 *Diuris maculata*, Sm. B. vi. 327, H. ii. 6 *f.* Abundant.
- 800 *Diuris pedunculata*, Br. B. vi. 328, H. ii. 8 *f.* Abundant in  
moist places.
- 801 *Diuris sulphurea*, Br. B. vi. 330, H. ii. 7 *f.* Common.
- 802 *Diuris longifolia*, Br. B. vi. 331, H. ii. 7 (*corymbosa f.*).  
Common North.
- 803 *Cryptostylis longifolia*, Br. B. vi. 333, H. ii. 9 *f.* Circular  
Head, Meander R., Honeywood, Oyster Cove.
- 804 *Prasophyllum australe*, Br. B. vi. 337, H. ii. 10 (*lutescens f.*).  
Rocky Cape, Adventure Bay, Flinders I.
- 805 *Prasophyllum flavum*, Br. B. vi. 337, H. ii. 11 *f.* Huon R.,  
Oyster Cove, Southport.
- 806 *Prasophyllum elatum*, Br. B. vi. 337, H. ii. 10 (*australe*).  
Circular Head, Rocky Cape.
- 807 *Prasophyllum brevilabre*, H. B. vi. 338, H. ii. 11 *f.* Rocky  
Cape, Southport.
- 808 *Prasophyllum patens*, Br. Fly Orchis. B. vi. 339, H. ii. 11 *f.*  
12 (*truncatum f.*). Common.
- 809 *Prasophyllum fuscum*, Br. B. vi. 339, H. ii. 12 *f.* 12 (*alpinum f.*).  
Rocky Cape, Hampshire Hills, M. Wellington.
- 810 *Prasophyllum nigricans*, Br. B. vi. 343. Oyster Cove, South-  
port.
- 811 *Prasophyllum rufum*, Br. B. vi. 344. H. ii. 14 (*nudum f.*).  
Cheshunt.

- 812 *Prasophyllum brachystachyum*, Lind. (T.) B. vi. 344, H. ii. 13, 13 (nudiscapum). Circular Head, Rocky Cape, Hampshire Hills.
- 813 *Prasophyllum despectans*, H. (T.) B. vi. 345, H. ii. 13 f. Cheshunt, Hobart T., Southport, Oyster Cove.
- 814 *Prasophyllum archeri*, H. (T.) B. vi. 345, H. ii. 14 f. Cheshunt, Southport, Oyster Cove.
- 815 *Prasophyllum intricatum*, Stu. (T.) B. vi. 346. Southport.

Order LXXXII. Iridææ. Sp. 700, Tasm. 5. Temp. Reg.

- 816 *Diplarrhena moræa*, Lab. White Iris. B. vi. 400, H. ii. 34. Abundant.
- 817 *Diplarrhena latifolia*, B. (T.) B. vi. 400. M. La Perouse.
- 818 *Patersonia glauca*, Br. Purple Iris. B. vi. 402, H. ii. 34. The North, Gould's Country, Huon.
- 819 *Patersonia longiscapa*, Sweet. B. vi. 402, H. ii. 373. Rare.
- 820 *Libertia pulchella*, Spreng. B. vi. 413, H. ii. 34 (*lawrencii* f). Common in woods,

Order LXXXIII. Amaryllidææ. Sp. 400, Tasm. 1. Cosmop.

- 821 *Campyneura lineare*, Lab. (T.) B. vi. 415, H. ii. 48. Rocky Cape, Southport, Recherche Bay.

Order LXXXIV. Hypoxidææ. Sp. 45, Tasm. 2. Cosmop.

- 822 *Hypoxis hygrometrica*, Lab. B. vi. 449, H. ii. 36. Abundant.
- 823 *Hypoxis glabella*, Br. B. vi. 450, H. ii. 36 f, 36 (*pusilla* f). Common.

Order LXXXV. Hæmodorææ. Sp. 50, Tasm. 1. Am., S. Afr.

- 824 *Hæmodorum distichophyllum*, Hk. (T.) B. vi. 419, H. ii. 35. Macquarie Harbour, Huon Plains, L. Pedder.

Order LXXXVI. Liliacææ. Sp. 1500, Tasm. 24. Temp. Reg.

- 825 *Hewardia tasmanica*, H. (T.)\* H. ii. 47. M. Sorell, M. La Perouse, L. Pedder.
- 826 *Anguillaria australis*, Muell. Nancy. H. ii. 46 (*dioica*), 47 (*uniflora*). Abundant in grassy places.
- 827 *Burchardia umbellata*, Br. Star of Bethlehem. H. ii. 46. The North, Gould's Country, Bass Strait.
- 828 *Drymophila cyanocarpa*, Br. Solomon's Seal, Turquoise Berry, (T.) H. ii. 49. Abundant.

\* Here the references to Bentham's work cease, the VIIth volume not being published.

- 829 *Dianella longifolia*, Br. Blue Berry. H. ii. 56. Grassy places.  
 830 *Dianella revoluta*, Br. H. ii. 57. Common in sandy soil.  
 831 *Dianella elegans*, Knth. H. ii. 56 (*ca rulea*). Launceston, Gould's Country, Cheshunt.  
 832 *Dianella tasmanica*, H. H. ii. 57 *f*, 58 (*archeri f*). Common.  
 833 *Blandfordia marginata*, Herb. Gordon Lily. H. ii. 49 (*grandiflora*). Common in Central and W. districts.  
 834 *Arthropodium strictum*, Br. H. ii. 51, 51 (*laxum f*). Abundant.  
 835 *Arthropodium paniculatum*, Br. H. ii. 50, 50 (*pendulum*), 51 (*minus*). Abundant.  
 836 *Bulbine semibarbata*, Haw. H. ii. 52. Common in moist places.  
 837 *Bulbine bulbosa*, Haw. Yellow Lily. H. ii. 51. Abundant in rocky places.  
 838 *Cæsia corymbosa*, Br. H. ii. 52 *f*. Abundant in grassy places.  
 839 *Cæsia parviflora*, Br. H. ii. 53. The North, Goshen, Gould's Country.  
 840 *Cæsia vittata*, Br. H. ii. 53. Common.  
 841 *Cæsia alpina*, H. H. ii. 373. W. Mountains.  
 842 *Thysanotus patersoni*, Br. H. ii. 54. Common.  
 843 *Herpolirion novæ-zelandiæ*, H. H. ii. 54 (*tasmanica f*). Hampshire Hills.  
 844 *Tricoryne elatior*, Br. H. ii. 55. S. Esk R., Cheshunt, Clyne Vale.  
 845 *Stypandra cæspitosa*, Br. H. ii. 55, 55 (*umbellata*). Common.  
 846 *Bartlingia minor*, Muell. H. ii. 60 (*Laxmannia*). The North, Southport.  
 847 *Xanthorrhæa minor*, Br. H. ii. 59. Abundant.  
 848 *Xanthorrhæa australis*, Br. Grass Tree. H. ii. 58. North Coast.

Order LXXXVII. *Xyrideæ*. Sp. 70, Tasm. 2. Warm Reg.

- 849 *Xyris gracilis*, Br. H. ii. 69. Circular Head, Hampshire Hills, Birch's Inlet.  
 850 *Xyris operculata*. Flowering Rush. H. ii. 69. Common on wet heaths.

Order LXXXVIII. *Junceæ*. Sp. 200, Tasm. 16. Temp. and cold Regions.

- 851 *Milligania longifolia*, H. (T.) H. ii. 61. Franklin River, Gordon R.  
 852 *Milligania densiflora*, H. (T.) H. ii. 62. M. Sorell, M. Olympus, M. La Perouse.  
 853 *Astelia stylosa*, Muell. (T.) H. ii. 61. M. La Perouse, Huon Plains.

- 854 *Astelia alpina*, Br. Artichoke. H. ii. 60. Common on mountains.
- 855 *Xerotes glauca*, Br. H. ii. 63. S. Esk R., Brighton, Norfolk Plains.
- 856 *Xerotes longifolia*, Br. Sagg. H. ii. 63. Abundant.
- 857 *Luzula campestris*, D.C. (E.) H. ii. 68, 68 (*oldfieldii*). Abundant.
- 858 *Juncus planifolius*, Br. H. ii. 64. Abundant.
- 859 *Juncus cæspititius*, Mey. H. ii. 64. The North, New T.
- 860 *Juncus falcatus*, Mey. H. ii. 64. Mountains.
- 861 *Juncus holoschænus*, Br. H. ii. 65. Common in wet places.
- 862 *Juncus maritimus*, Lam. (E.) Sea-rush. H. ii. 66. Common near the sea.
- 863 *Juncus vaginatus*, Br. Rush. H. ii. 68. Common.
- 864 *Juncus communis*, Mey. Rush. H. ii. 67. Abundant.
- 865 *Juncus brownii*, Muell. H. ii. 65 (*revolutus*). George T., Circular Head.
- 866 *Juncus bufonius*, L. H. ii. 64. Abundant in wet soil.

Order LXXXIX. Potameæ. Sp. 40, Tasm. 8. Cosmop.

- 867 *Triglochin procerum*, Br. H. ii. 40. Abundant.
- 868 *Triglochin striatum*, Ruiz. H. ii. 40 (*triandrum*). Abundant in salt marshes.
- 869 *Triglochin nanum*, Muell. H. ii. 40 (*centrocarpum*). Abundant in moist sand.
- 870 *Potamogeton obtusifolius*, Mert. (E.) H. ii. 42 (*gramineus*). S. Esk R., Jordan R.
- 871 *Potamogeton prælongus*, Wulf. (E.) S. Esk R.
- 872 *Potamogeton perfoliatus*, L. (E.) S. Esk R.
- 873 *Potamogeton natans*, L. (E.) H. ii. 41, 41 (*heterophyllus*). Abundant.
- 874 *Potamogeton marinus*, L. (E.) Marshes between Bridgewater and New Norfolk.

Order XC. Najadeæ. Sp. 40, Tasm. 7. Temp. Reg.

- 875 *Ruppia maritima*, L. (E.) H. ii. 42. Abundant near the sea.
- 876 *Posidonia australis*, H. H. ii. 43. Below low-water mark.
- 877 *Zannichellia preissii*, Lehm. H. ii. 43 (*palustris*). Common.
- 878 *Cymodocea antarctica*, Endl. H. ii. 44. Rocks, George T.
- 879 *Zostera muelleri*, Irm. H. ii. 44. Southport.
- 880 *Zostera tasmanica*, Mart. H. ii. 44 (*marina*). Abundant.
- 881 *Halophila ovata*, Gaud. H. ii. 45 (*ovalis*). Floating in Bass Strait.

Order XCI. Typhaceæ. Sp. 12, Tasm. 2. Cosmop.

- 882 *Typha brownii*, Knth. Jordon R.
- 883 *Typha muelleri*, Rohrb. H. ii. 39 (*angustifolia*). Common.

## Order XCII. Lemnaceæ. Sp 20, Tasm 2. Temp. Reg.

- 884 *Lemna minor*, L. Duckweed. (E.) H. ii. 38. Common in still water.  
 885 *Lemna trisulca*, L. Duckweed. (E.) H. ii. 38. Frequent in still water.

## Order XCIII. Restiaceæ. Sp. 150, Tasm. 12. S. Am. and S. Afr.

- 886 *Restio tetraphyllus*, Lab. H. ii. 71. Common.  
 887 *Restio complanatus*, Br. H. ii. 71. Circular Head, George T., Swanport, Southport, Honeywood.  
 888 *Restio oligocephalus*, Muell. H. ii. 70 (*monocephalus f.*). Common.  
 889 *Restio australis*, Br. H. ii. 71. Abundant alpine.  
 890 *Restio gracilis*, Br. H. ii. 71. Recherche Bay.  
 891 *Lepyrodia stricta*, Br. H. ii. 72 (*tasmanica f.*). Circular Head, S. Esk R., Evandale, Swanport.  
 892 *Lepyrodia paniculata*, Muell. Circular Head, Arthur R., Southport.  
 893 *Hypolaena fastigiata*, Br. H. ii. 74 *f.* Common.  
 894 *Calorophus elongatus*, Lab. Circular Head, Arthur R., M. La Perouse.  
 895 *Calorophus lateriflorus*, Muell. H. ii. 75 (*elongatus*). Common.  
 896 *Leptocarpus simplex*, Br. H. ii. 73 (*brownii f.*). Abundant.  
 897 *Leptocarpus tenax*, Br. H. ii. 73. Abundant.

## Order XCIV. Centrolepideæ. Sp. 15, Tasm. 10. S. Hem.

- 898 *Aphelia gracilis*, Sond. H. ii (*gunnii f.*). Formosa.  
 899 *Aphelia pumilio*, Muell. H. ii. 76. Cheshunt.  
 900 *Centrolepis aristata*, Rœm. H. ii. 76 *f.* George T., Launceston, New T.  
 901 *Centrolepis tenuior*, Rœm. H. ii. 76. George T., Epping Forest, Brighton, New T., Hobart T.  
 902 *Centrolepis fascicularis*, Lab. H. ii. 77. Common.  
 903 *Centrolepis pulvinata* Rœm. H. ii. 77. Rare.  
 904 *Alepyrum muscoides*, H. (T.) H. ii. 77. Marshy subalpine places.  
 905 *Alepyrum polygonum*, Swz. H. ii. 78. George T.  
 906 *Alepyrum glabrum*, Muell. H. ii. 78 (*muelleri*). Macquarie Harbour.  
 907 *Trithuria submersa*, H. H. ii. 78 *f.* Macquarie Harbour.

## Order XCV. Cyperaceæ. Sp. 2000, Tasm 55. Temp. and Cold Reg.

- 908 *Cyperus lucidus*, Br. H. ii. 80 (*sanguineo-fuscus f.*, *gunnii f.*) Common.  
 909 *Schaenus fluitans*, H. (T.) H. ii. 81 *f.* S. Esk R., Southport.

- 910 *Carpha alpina*, Endl. H. ii. 84. On mountains, 4 to 5,000'.
- 911 *Gymnoschænus sphærocephalus*, H. Button-grass. H. ii. 83 *f.*  
Common in marshes.
- 912 *Chaetospora tenuissima*, H. H. ii. 81 *f.* Circular Head,  
George's Bay, Swanport, Hobart T., Port Sorell.
- 913 *Chaetospora capillaris*, Muell. (T.) H. ii. 81 (*capillacea f.*)  
Bay of Fires, Southport, Huon R.
- 914 *Chaetospora nitens*, Br. H. ii. 82. Sand hills, Circular Head,  
Kangaroo Point, Southport.
- 915 *Chaetospora axillaris*, Br. H. ii. 82. Marshes, Circular Head,  
Huon, Southport.
- 916 *Chaetospora imberbis*, Br. H. ii. 82. Abundant.
- 917 *Heleocharis sphacelata*, Br. H. ii. 85. Formosa, Jordan R.,  
Kangaroo Point, etc.
- 918 *Heleocharis palustris*, Br. (E.) H. ii. 85 (*gracilis*). Abundant.
- 919 *Heleocharis acicularis*, Br. (E.) S. Esk R.
- 920 *Isolepis fluitans*, Br. (E.) H. ii. 86, 86 (*crassiuscula f.*, *lenticularis f.*). Common.
- 921 *Isolepis setacea*, Br. (E.) H. ii. 88, 88 (*saviana*), 89 (*riparia f.*)  
Common.
- 922 *Isolepis gaudichaudiana*, Knth. Between Circular Head and  
Arthur's River.
- 923 *Isolepis cartilaginea*, Br. H. ii. 88 *f.* Abundant.
- 924 *Isolepis prolifera*, Br. H. ii. 87 *f.* Abundant.
- 925 *Isolepis nodosa*, Br. H. ii. 87. Abundant on sandy coasts.
- 926 *Scirpus pungens*, Vahl. (E.) H. ii. 89. New Town, Jordan  
R., Macquarie Harbour.
- 927 *Scirpus lacustris*, L. Bull-rush. (E.) H. ii. 374. Common.
- 928 *Scirpus maritimus*, L. (E.) H. ii. 89. Common in salt  
marshes.
- 929 *Cladium mariscus*, Br. (E.) H. ii. 96. Rare.
- 930 *Cladium filum*, Br. H. ii. 96, 97 (*Gahnia trifida*). Abundant.
- 931 *Cladium radula*, Br. H. ii. 96. Swanport, M. Field East.
- 932 *Cladium psittacorum*, Muell. Cutting-grass. H. ii. 97  
(*Gahnia*). Abundant.
- 933 *Cladium melanocarpum*, Muell. H. ii. 97 (*Gahnia*). Hobart T.
- 934 *Cladium glomeratum*, Br. H. ii. 94. Abundant.
- 935 *Cladium schænoïdes*, Br. H. ii. 96, 95 (*tetraquetrum f.*)  
Common.
- 936 *Cladium gunnii*, H. H. ii. 95 *f.*, 95 (*laxiflorum f.*). Formosa,  
New Norfolk.
- 937 *Cladium junceum*, Br. H. ii. 95. The North, Swanport,  
New Norfolk, Kangaroo Point.
- 938 *Lepidosperma filiforme*, Lab. H. ii. 93. S. Esk R., George's  
Bay, Recherche Bay.
- 939 *Lepidosperma australe*, H. H. ii. 93 (*tetragonum*). Recherche  
Bay.

- 940 *Lepidosperma lineare*, Br. H. ii. 92. Launceston.  
 941 *Lepidosperma squamatum*, Lab. H. ii. 93. Circular Head,  
 George T., Gould's Country, Brown's R.  
 942 *Lepidosperma sieberi*, Knth. H. ii. 91 (*oldfieldii f.*, *concava f.*,  
*lateralis f.*), 92 (*angustifolia f.*). Common.  
 943 *Lepidosperma longitudinale*, Lab. H. ii. 91. Common on  
 coasts.  
 944 *Lepidosperma elatius*, Lab. H. ii. 90. Common.  
 945 *Lepidosperma gladiatum*, Lab. H. ii. 90. Sandy coasts,  
 Eagle Hawk Neck, etc.  
 946 *Chorizandra enodis*, Nees. H. ii. 84. George T., wet places.  
 947 *Caustis pentandra*, Br. H. ii. 98. North, Swanport,  
 Schouten I.  
 948 *Oreobolus pumilio*, Br. H. ii. 94. Mountains, 3 to 5,000'.  
 949 *Uncinia tenella*, Br. H. ii. 102 *f.* Damp woods.  
 950 *Uncinia riparia*, Br. (T.) H. ii. 102 *f.* Cuming's Head,  
 Southport.  
 951 *Uncinia compacta*, Br. (T.) H. ii. 103 *f.*, 102 (*nervosa f.*).  
 Moist alpine woods.  
 952 *Carex pyrenaica*, Wahl. (E.) H. ii. 98 (*archeri f.*) Cuming's  
 Head.  
 953 *Carex paniculata*, L. (E.) H. ii. 99 (*adpressa*). Abundant.  
 954 *Carex chlorantha*, Br. H. ii. 99 *f.* S. Esk R., M. Wellington,  
 Huon R.  
 955 *Carex inversa*, Br. H. ii. 99. S. Esk R., Brighton.  
 956 *Carex cæspitosa*, L. (E.) H. ii. 99 (*gaudichaudiana f.*).  
 Common.  
 957 *Carex gunniana*, Boott. H. ii. 100, 100 (*barbata*). Rocky C.,  
 Mersey R., Clyne Vale, New Norfolk.  
 958 *Carex pumila*, Thnb. H. ii. 100 (*littorea*). Common on  
 sandy coasts.  
 959 *Carex cataractæ*, Br. H. ii. 101 *f.* Alpine marshes, Swanport.  
 960 *Carex longifolia*, Br. H. ii. 101 *f.* Frequent.  
 961 *Carex pseudocyperus*, L. (E.) H. ii. 101 (*fascicularis*).  
 Common in marshes.  
 962 *Carex breviculmis* Br. H. ii. 101. S. Esk R., Swanport,  
 Brighton, New T., Hobart T.

Order XCVI. Gramineæ. Sp. 4500, Tasm. 43. Cosmop.

- 963 *Tetrarrhena distchophylla*, Br. (T.) H. ii. 104. Brighton,  
 Hobart T., Southport.  
 964 *Tetrarrhena tenacissima*, Nees. H. ii. 104 *f.* Circular Head,  
 Black R.  
 965 *Tetrarrhena acuminata*, Br. H. ii. 104. Mersey R., Longford,  
 Southport.  
 966 *Microlaena stipoides*, Br. H. ii. 105, 105 (*gunnii f.*). Abundant.

- 967 *Diplax tasmanica*, H. (T.) H. ii. 105 *f.* M. La Perouse, L. St. Clair, Southport, Recherche Bay.
- 968 *Alopecurus pratensis*, L. Foxtail. (A.) Hobart T.
- 969 *Phalaris canariensis*, L. Canary-grass. (A.) Common.
- 970 *Holcus lanatus*, L. Yorkshire Fog. (A.) Common.
- 971 *Hierochloa antarctica*, Br. H. ii. 108 (*redolens*). Common.
- 972 *Hierochloa alpina*, Rœm. H. ii. 108 (*borealis*). Mountain tops.
- 973 *Hierochloa rariflora*, H. H. ii. 108 *f.* The North, Gould's Country, Swanport, St. Paul's R.
- 974 *Anthoxanthum odoratum*, L. Sweet Vernal Grass. (A.) Common.
- 975 *Spinifex hirsutus*, Lab. Porcupine Grass. H. ii. 106. Abundant on sandy coasts.
- 976 *Hemarthria uncinata*, Lab. H. ii. 107. North Coast, Deloraine, Brighton.
- 977 *Lepturus filiformis*, Trin. (A.) Brighton, Hobart T., Sandy Bay.
- 978 *Zoysia pungens*, Willd. King's I.
- 979 *Imperata arundinacea*, Cyr. Swanport.
- 980 *Anthistiria ciliata*, L. Kangaroo Grass. H. ii. 107. (*australis f.*) Abundant.
- 981 *Phragmites communis*, Trin. Reed. H. ii. 118. Common.
- 982 *Stipa semibarbata*, Br. Fibrous Grass. H. ii. 110. Abundant.
- 983 *Stipa pubescens*, Br. H. ii. 110. Common.
- 984 *Stipa flavescens*, Lab. H. ii. 110. Common.
- 985 *Stipa setacea*, Br. H. ii. 110 *f.* Launceston, etc.
- 986 *Dichelachne stipoides*, H. H. ii. 112. Abundant.
- 987 *Dichelachne sciurea*, H. H. ii. 111 *f.* Abundant.
- 988 *Dichelachne crinita*, H. H. ii. 111. Abundant.
- 989 *Pentapogon billardieri*, Br. H. ii. 112. Launceston, Hobart T., Southport, Recherche Bay.
- 990 *Cinna ovata*, Knth. H. ii. 117 (*Echinopogon*). Common.
- 991 *Agrostis quadriseta*, Br. H. ii. 114. Abundant.
- 992 *Agrostis parviflora*, Br. H. ii. 113 *f.* Common.
- 993 *Agrostis venusta*, Trin. H. ii. 113 *f.* Common.
- 994 *Agrostis solandri*, Muell. H. ii. 115 (*billardieri*, *æmula*). Abundant.
- 995 *Agrostis æquata*, Nees. (T.) H. ii. 114 *f.* Circular Head.
- 996 *Agrostis scabra*, Br. H. ii. 116 (*montana f.*, *contracta f.*) Mountains.
- 997 *Agrostis montana*, Br. H. ii. 116 (*scabra f.*) Mountains.
- 998 *Agrostis vulgaris*, L. Bent. (A.) Common.
- 999 *Polypogon monspeliensis*, Desf. (A.) H. ii. 117. Common.

- 1000 *Aira cæspitosa*, L. (E.) H. ii. 118. (*Deschampsia*.) Frequent in wet places.
- 1001 *Aira caryophyllea*, L. Silver-grass. (A.) New Town, Kangaroo Point.
- 1002 *Trisetum subspicatum*, Pal. (E.) H. ii. 119. Common, alpine.
- 1003 *Danthonia nervosa*, H. H. ii. 121 *f*, 122 (*archeri f*). S. Esk River, Southport.
- 1004 *Danthonia penicillata*, Muell. H. ii. 120 (*pilosa*, *semiannularis*), 121 (*setacea*, *subulata f*, *pauciflora f*). Abundant.
- 1005 *Festuca distichophylla*, H. H. ii. 127. Sandy coasts.
- 1006 *Festuca litoralis*, Lab. H. ii. 128. Abundant on coasts.
- 1007 *Festuca hookeriana*, Muell. H. ii. 127 *f*. S. Esk River, Meander R.
- 1008 *Festuca ovina*, L. Sheep's Fescue. (A.) H. ii. 126 (*duriuscula*). Common.
- 1009 *Festuca myurus*, L. (A.) H. ii. 127 (*bromoides*). Abundant.
- 1010 *Bromus unioloides*, Humb. Prairie Grass. (A.) Brighton, New T., Hobart T., King's I.
- 1011 *Bromus racemosus*, L. (A.) New T., Hobart T.
- 1012 *Bromus mollis*, L. Soft Brome. (A.) Common.
- 1013 *Bromus sterilis*, L. (A.) Common.
- 1014 *Glyceria fluitans*, Br. Water Grass. H. ii. 122. Common.
- 1015 *Glyceria stricta*, H. H. ii. 123 *f*. S. Esk R., Launceston, Sandy Bay, King's I.
- 1016 *Poa cæspitosa*, Frst. H. ii. 123 (*australis*), 124 (*affinis*). Abundant.
- 1017 *Poa saxicola*, Br. H. ii. 125 *f*, 124 (*tenera f*). Common in shady places.
- 1018 *Poa annua*, L. (A.) Abundant.
- 1019 *Briza maxima*, L. (A.) Hobart Town, Kangaroo Point.
- 1020 *Briza minor*, L. (A.) Hobart Town, King's Island.
- 1021 *Koeleria cristata*, Pers. (A.) H. ii. 126. Macquarie Plains, etc.
- 1022 *Dactylis glomerata*, L. Cocks-foot. (A.) Common.
- 1023 *Triticum velutinum*, Nees. H. ii. 129. Middlesex Plains, Surrey Hills.
- 1024 *Triticum pectinatum*, Br. H. ii. 129. Hampshire Hills, Thomas Plains, Recherche Bay.
- 1025 *Triticum scabrum*, Br. H. ii. 128. Abundant.
- 1026 *Triticum repens*, L. Couch Grass. (A.) New Town.
- 1027 *Lolium perenne*, L. Rye Grass. (A.) Abundant.
- 1028 *Lolium temulentum*, L. Darnel. (A.) New Town, Kent's Group.
- 1029 *Hordeum murinum*, L. (A.) Launceston, Don, Hobart T.

**Sub-kingdom II. Cryptogams. Sp. (of Ferns only) 3000.  
Tasm. 67.**

Order XCVII. Polypodeæ. Sp. 2000, Tasm. 48. Tropics.

- 1030 *Lomaria patersoni*, Spreng. H. ii. 141. Port Dalrymple, Gould's Country, George's Bay, New Norfolk.
- 1031 *Lomaria capensis*, Willd. H. ii. 142 (procera). Abundant.
- 1032 *Lomaria discolor*, Willd. H. ii. 143. Abundant.
- 1033 *Lomaria fluviatilis*, Spreng. H. ii. 142 f. Acheron River, Gould's Country, M. Wellington, Huon Road.
- 1034 *Lomaria vulcanica*, Blume. H. ii. 143. Don, M. La Perouse, M. Wellington, Longley.
- 1035 *Lomaria lanceolata*, Spreng. H. ii. 143. Abundant.
- 1036 *Lomaria alpina*, Spreng. H. ii. 144. Common, alpine.
- 1037 *Lindsaya linearis*, Swz. H. ii. 136. Common in heathy places.
- 1038 *Lindsaya trichomanoides*, Dry. H. ii. 136. Dense forests, Macquarie Harbour, Flinders I.
- 1039 *Adiantum æthiopicum*, L. Maiden Hair. H. ii. 137. Common on rocky ground.
- 1040 *Cheilanthes tenuifolia*, Swz. Parsley Fern. H. ii. 138. Abundant on rocky ground.
- 1041 *Doodya caudata*, Br. H. ii. 147. Common.
- 1042 *Pteris aquilina*, L. Brakes. (E.) H. ii. 139. Abundant.
- 1043 *Pteris tremula*, Br. H. ii. 140. Frequent in forests.
- 1044 *Litobrochia incisa*, Presl. H. ii. 140 (Pteris). Common.
- 1045 *Litobrochia comans*, Presl. H. ii. 141 (Pteris *endlicheriana*). Circular Head, Arthur's R.
- 1046 *Asplenium flabellifolium*, Cav. H. ii. 145. Common.
- 1047 *Asplenium trichomanes*, L. (E.) H. ii. 145. Chudleigh, Acheron R., Franklin R.
- 1048 *Asplenium obtusatum*, Frst. H. ii. 145, 146 (*lucidum*, *bulbiferum*, *flaccidum*). Abundant.
- 1049 *Athyrium australe*, Presl. Black Fern. H. ii. 147. (*Asplenium brownii*). Circular Head, Don, Gould's Country, Huon R.
- 1050 *Gymnogramme rutæfolia*, Hk. (E.) H. ii. 151. Common in dry places.
- 1051 *Gymnogramme leptophylla*, Desv. (E.) H. ii. 151. Launceston, Spring Bay.
- 1052 *Grammitis australis*, Br. Sword Fern. H. ii. 151. Abundant in forests.
- 1053 *Platyloma falcatum*, J. Sm. H. ii. 139 (Pteris). Common.
- 1054 *Hypolepis tenuifolia*, Bern. H. ii. 137. Frequent in forests.
- 1055 *Polypodium punctatum*, Thnb. H. ii. 149 (*rugulosum*). Abundant.
- 1056 *Polypodium grammitidis*, Br. H. ii. 150. Abundant in forests.

- 1057 *Phymatodes billardieri*, Presl. H. ii. 150. Abundant in forests.
- 1058 *Aspidium decompositum*, Spreng. H. ii. 149 (*Nephrodium*).  
Don R., Gould's Country, Huon Road.
- 1059 *Aspidium aculeatum*, Swz. (E.) H. ii. 148. (*Polystichum vestitum*). Abundant.
- 1060 *Aspidium capense*, Willd. H. ii. 148 (*Polystichum coriaceum*).  
George's Bay, M. Wellington, Gordon R., etc.
- 1061 *Cystopteris fragilis*, Bern. (E.) H. ii. 136 *f.* Mountains.
- 1062 *Dicksonia antarctica*, Lab. Fern Tree. H. ii. 132. Abundant in forests.
- 1063 *Dicksonia dubia*, Gaud. H. ii. 132. Don, W. Tamar, George's Bay.
- 1064 *Cyathea medullaris*, Swz. Near Circular Head.
- 1065 *Alsophila australis*, Br. Prickly Fern. H. ii. 131. George T., Asbestos Hills, Gould's Country, Macquarie Harbour, &c.
- 1066 *Alsophila cooperi*, Hk. Adamson's Peak.
- 1067 *Gleichenia flabellata*, Br. Umbrella Fern. H. ii. 131. Frequent in forests.
- 1068 *Gleichenia circinata*, Swz. H. ii. 130 (*microphylla*). Common in forests.
- 1069 *Gleichenia dicarpa*, Br. H. ii. 131. Abundant in forests.
- 1070 *Trichomanes venosum*, Br. H. ii. 135. Abundant on fern trees.
- 1071 *Hymenophyllum tunbridgense*, Sm. (E.) H. ii. 133, 133 (*unilaterale*). Abundant.
- 1072 *Hymenophyllum rarum*, Br. H. ii. 134. Abundant.
- 1073 *Hymenophyllum javanicum*, Spreng. H. ii. 134 (*crispatum*). Abundant.
- 1074 *Hymenophyllum flabellatum*, Lab. Filmy Fern. H. ii. 134. Abundant.
- 1075 *Schizæa bifida*, Swz. H. ii. 152, 375. George T., Southport.
- 1076 *Schizæa fistulosa*, Lab. H. ii. 375. Frequent on sand in the North.
- 1077 *Todea africana*, Willd. H. ii. 153 *f.* S. Esk R., George's Bay, Recherche Bay, Port Davey.

Order XCVIII. Ophioglosseæ. Sp. 15, Tasm. 3. Tropics.

- 1078 *Ophioglossum vulgatum*, L. Adder's Tongue. (E.) H. ii. 153 *f.* Formosa.
- 1079 *Botrychium lunaria*, Swz. Moonwort. (E.) H. ii. 154. Common on grass.
- 1080 *Botrychium ternatum*, Swz. (E.) H. ii. 154 (*virginianum f.*). Shaded places.

## Order XCIX. Lycopodeæ. Sp. 300, Tasm. 10. Tropics.

- 1081 *Phylloglossum drummondii*, Knze. H. ii. 154. George T.  
 1082 *Lycopodium selago*, L. (E.) H. ii. 155 *f*, 155 (*varium f*).  
 Abundant in forests.  
 1083 *Lycopodium densum*, Lab. H. ii. 156. Abundant in heathy  
 places.  
 1084 *Lycopodium laterale*, Br. H. ii. 156. Common alpine.  
 1085 *Lycopodium carolinianum*, L. H. ii. 156. Common alpine.  
 1086 *Lycopodium clavatum*, L. Club Moss. (E.) H. ii. 157.  
 Common alpine.  
 1087 *Lycopodium scariosum*, Frst. H. ii. 157. Common alpine.  
 1088 *Selaginella uliginosa*, Spring. H. ii. 158. Frequent.  
 1089 *Selaginella preissiana*, Spring. H. ii. 375. The North.  
 1090 *Tmesipteris tannensis*, Bern. H. ii. 155 (*forsteri*). Frequent  
 on fern trees.

## Order C. Marsileæ. Sp. 40, Tasm. 6. Temp. Reg.

- 1091 *Isoetes gunnii*, Braun. Alpine Lakes.  
 1092 *Isoetes humilior*, Muell. S. Esk R.  
 1093 *Isoetes elatior*, Muell. S. Esk R.  
 1094 *Isoetes stuartii*, Braun. S. Esk R.  
 1095 *Azolla filiculoides*, Lam. H. ii. 158 (*rubra*). Circular Head,  
 Brighton.  
 1096 *Pilularia globulifera*, L. (E.) H. ii. 159. Formosa, Penquite.

## LIST OF ALIENS

## NOT YET NATURALISED.

[*The following plants have been introduced into the Colony, but are not yet sufficiently established to warrant their being placed in the body of the work :—*]

- RANUNCULÆ.—*Ranunculus muricatus*, *Nigella damascena*,  
*Aquilegia vulgaris* (Columbine).
- PAPAVERACEÆ.—*Papaver dubium*, *P. somniferum*, *Eschscholtzia californica*.
- CRUCIFERÆ.—*Brassica napus* (Rape), *Diplotaxis tenuifolia*, *Lepidium sativum* (Cress), *Raphanus raphanistrum* (Radish).
- RESEDACEÆ.—*Reseda ramosissima*, *R. luteola* (Dyers Weed).
- CARYOPHYLLEÆ.—*Gypsophila tubulosa*, *Arenaria serpillifolia*.
- MALVACEÆ.—*Hibiscus vesicarius*, *Lavatera hispida*.
- GERANIACEÆ.—*Oxalis cernua*.
- LEGUMINOSÆ.—*Lupinus arboreus*, *Spartium junceum*, *Sarothamnus scoparius* (Broom), *Medicago sativa* (Lucerne), *Vicia sativa* (Vetch), *Onobrychis sativa* (Sainfoin).
- ROSACEÆ.—*Rubus idæus* (Raspberry), *Prunus communis* (Plum),  
*Cratægus oxyacantha* (White Thorn).
- UMBELLIFERÆ.—*Conium maculatum* (Hemlock), *Peucedanum sativum* (Parsnip), *Caucalis nodosa*.
- ARALIACEÆ.—*Hedera helix* (Ivy).
- VALERIANEÆ.—*Centranthus ruber*.
- DIPSACEÆ.—*Dipsacus silvestris* (Teasel).
- COMPOSITÆ.—*Centaurea calcitrapa*, *Onopordum acanthium* (Cotton Thistle), *Anthemis nobilis* (Chamomile), *Achillea millefolium* (Yarrow), *Chrysanthemum leucanthemum* (Ox-eye Daisy), *Tanacetum vulgare* (Tansy), *Cichorium intybus* (Chicory), *Leontodon autumnalis*, *Crepis japonica*.
- APOCYNÆÆ.—*Vinca major* (Periwinkle).
- BORRAGINEÆ.—*Borrago officinalis* (Borage), *Echium violaceum*.
- SOLANEÆ.—*Solanum marginatum*, *Hyoscyamus niger*.
- SCROPHULARIACEÆ.—*Verbascum thapsus*, *Veronica peregrina*.
- LABIATÆ.—*Mentha viridis* (Spear Mint), *Dracocephalum canariense* (Balm of Gilead).
- PLANTAGINEÆ.—*Plantago lagopus*.
- POLYGONEÆ.—*Polygonum convolvulus*.
- LILIACEÆ.—*Nothoscordum fragrans*.
- GRAMINEÆ.—*Polypogon litoralis*, *Piptatherum thomasi*, *Agrostis canina*, *Cynodon dactylon* (Finger Grass), *Hordeum pratense*.

The following new or undetermined Species have come under my notice during the Publication of the present Work :—

Order XXXIII. Myrtaceæ.

EUCALYPTUS SP. Iron Bark. George's Bay. (Perhaps identical with *E. virgata*, Sieb.)

EUCALYPTUS SP. White Gum. Huon Toll-gate.

Order XLII. Compositæ.

HELICHRYSUM SP. Longley. (This is nearly allied to *H. dealbatum*, Lab. ; but the numerous flowers are in a loose head.)

Order LXXXVIII. Juncæ.

MILLIGANIA JOHNSTONI. B. Huon Plains.

Order XCVI. Gramineæ.

TRITICUM SP. The Domain, Hobart Town. (This is apparently an introduced plant.)

W. W. S.

Memoranda.

The following new or undetermined  
Species have come under my notice  
during the publication of the present  
Work:

Order XXIII. Myrsinaceae.  
Rumex sp. (New York) (New York)

Order XXIV. Ranunculaceae.  
Ranunculus sp. (New York) (New York)

Order XXV. Umbelliferae.  
Umbellifera sp. (New York) (New York)

Order XXVI. Labiales.  
Labiales sp. (New York) (New York)

Order XXVII. Gramineae.  
Gramineae sp. (New York) (New York)

Memoranda.



Memoranda.



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Of Natural Orders, Genera, and English Names.

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English and local names are printed in italics.]

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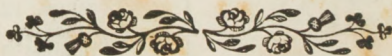
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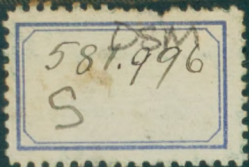
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