

Systema Iridacearum. By J. G. BAKER, Esq., F.L.S.

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ONE of our greatest wants at the present time in every-day herbarium-work is a key to the genera of Iridaceæ, and a means of ready access to the great mass of scattered Iridaceous figures and literature. We now know in the order about seven hundred species and between sixty and seventy well-marked genera. Nearly all the Iridaceæ inhabit temperate regions, and may be grown successfully in the open air in this country. The order includes several of our most familiar garden genera, as, for instance, *Gladiolus*, *Crocus*, and *Iris*. How it comes that such an order has been so much neglected by systematists, I have never been able to understand. It was one of the few orders of Monocotyledons that were not treated in Kunth's 'Enumeratio;' and leaving out of count Dr. Klatt's papers, which are scattered through several volumes of the 'Linnæa,' for the latest continuous synopsis of the order we must go back to Dietrich's 'Synopsis Plantarum,' published in 1839, and this a mere compilation from other books.

During the first thirty, or perhaps we may fairly say forty, years of the century the order was energetically studied in this country. The principal worker in the field was Gawler, who afterwards changed his name to Bellenden Ker, left England a generation ago, and died at Nice within the last few years. He published, in 1805, in the first volume of König and Sims's 'Annals of Botany,' a paper containing a complete synopsis of genera, with a list of all the species then known. In this paper many of the genera as now admitted were for the first time named and fully characterized. For many years, during the editorship of Dr. Sims, he contributed largely to the 'Botanical Magazine,' and during that time gave figures and descriptions of a large proportion of the Irids then in cultivation, a number many times greater than we possess at the present day. In 1827 he published separately at Brussels a paper entitled 'Genera Iridearum,' in which he gives a synonymic list of all the species then known, and a full description of the thirty genera under which he classifies them.

What I am aiming at in the present paper is to do for 1876 what Ker did for 1827. We now know nearly 700 species, against

a little over 300 with which he was acquainted; and I admit 65 genera against his 30. Salisbury studied the order very carefully, and in the first volume of the 'Transactions of the Horticultural Society' gave names to several genera that now stand; but he never characterized them, and his fragmentary 'Genera Plantarum,' issued a few years ago by Dr. J. E. Gray, stops short abruptly at the very beginning of the order. Dean Herbert made a special study of *Crocus*, and published a good many new species and genera of Iridaceæ in the 'Botanical Magazine' and 'Botanical Register.' For the last generation the order has been neglected, and many of the less hardy Cape species which were introduced in the days of Ker and Salisbury have been lost from cultivation.

The only considerable contribution to its literature during the last thirty years is a series of papers by Dr. F. W. Klatt, of Hamburg, which extend from the 31st to the 35th volume of the 'Linnaea.' These, taken together, constitute a general synopsis of the order. They are founded principally upon the Berlin Herbarium; and of the plants for which the author had access to proper material the descriptions are full and clear. But he gives no citation of synonyms; so that if we want to look up the references to any particular plant, these papers do not help us, and we have to fall back upon Ker's work of 1827. And not only has Dr. Klatt omitted many species which were known at the date when he wrote, but he has left, I think, great room for improvement in the making of a key to the genera and their general arrangement and nomenclature.

What I propose therefore to undertake now is to give, in the first place, a description of the genera, referring, of course, to their proper places, so far as I can judge, the numerous generic synonyms which by this time have accumulated, and constructing a general key to the tribes and genera upon the model of those which have been found so practically useful in Bentham and Hooker's 'Genera Plantarum,' and, secondly, to give under each genus a synonymic list of the known species with a brief note of their geographical distribution. The general plan of my paper is, as I said before, to do for the order in 1876 what Ker did in 1827. I have added to the scope of Ker's plan only by giving the preliminary key to the tribes and genera, and by including the geographical element. On the other hand, I have worked upon a

materially smaller scale as regards synonyms, because, except in the case of figures, I have only cited the original authority for each name, and have omitted all reference to pre-Linnean books.

Without at all attempting to trace in detail the range of character which the different organs present, it will make matters more clear if I say a few preliminary words under each as to the characters for tribes and genera which they furnish.

Rootstock and Root.—In respect of rootstock, just as in Liliaceæ, the order falls into two unequal halves—a bulbous, and a non-bulbous series: there are 48 genera of the former, 17 of the latter. As a general rule, the non-bulbous differ tangibly from the bulbous genera in floral characters; but this is not invariably the case. For instance, the bulbous *Geissorhiza* answers perfectly to the non-bulbous *Schizostylis*, the bulbous *Xiphion* to the non-bulbous *Iris*. In each series we have a wide range of variation in root-character, so that in fact we get within the bounds of the order nearly every type of Monocotyledonous root and rootstock represented. In many species of *Sisyrinchium* we see a dense tuft of slender adventitious root-fibres without any rootstock, as in the ordinary grass type. In *Sisyrinchium graminifolium* and *pachyrrhizum* these fibres become fleshy and cylindrical. The short-creeping, thick, firm rhizome of the ordinary *Iris*es is familiar to every one. In *I. arenaria* this becomes a slender wide-creeping rhizome similar to that of *Carex arenaria*. The typical tunicated bulb is very common. In *Crocus* and *Moræa* corms with tunics of various texture are abundantly represented. In *Ferraria* we have a large irregularly shaped tuber like that of *Eriospermum*. The character of the bulb- or corm-tunics sometimes runs through a genus with great uniformity, and sometimes, as in *Crocus*, varies greatly in closely allied species, and furnishes one of the best specific characters. Nearly all the non-bulbous Irids are perennials; but we have an instance of an annual fibrous-rooted species in *Sisyrinchium micranthum*, which is one of the few plants of the order which have become naturalized far away from their original home.

Stem.—Three small Cape genera (*Witsenia* and its neighbours) are decided shrubs with acutely-angled stems, densely clothed up to the inflorescence with distichous, amplexicaul, linear leaves. All the other genera are herbaceous; *Crocus*, *Galaxia*, and *Sy-*

ringodea are acaulescent, with a very short underground scape. The habit so common in Liliaceæ and Amaryllidaceæ, leaves all congested in a basal rosette, and a produced, naked scape supporting the inflorescence, is rare here. The common type is a produced, terete or acutely-angled stem with a few, more or less reduced leaves intervening between the base and the inflorescence. In *Sisyrinchium* the difference between a terete and flat stem separates a large and difficult genus into two unequal halves. In *Marica* the stem is not merely flat, but as broad as the leaves and quite leaf-like in appearance, and produced unaltered beyond the single lateral cluster or corymb.

Leaf.—The leaves of Iridaceæ are always either membranous or coriaceous in texture, never fleshy; so that in appearance and persistence they are more like those of Cyperaceæ than the other two great bulbous orders. Very few Irids are destitute of produced leaves, or have the leaves developed at a different time to the flower. To the first, *Bobartia aphylla*, to the second, *Crocus nudiflorus* and *speciosus* are exceptions. The common type in the order of leaf-form and arrangement, a distichous basal rosette of linear or ensiform leaves so compressed that they clasp one another by their inner edges at the lower part, occurs abundantly, in company with all the leading types of perianth-structure, for instance, alike in *Ixia*, *Iris*, and *Gladiolus*. Narrow, deeply channelled, multifarious leaves in a dense basal rosette run uniformly through some genera, as *Crocus* and *Romulea*. Next to the distichous-flabellate, the most striking type in the order is the flat strongly plicate leaf, usually narrowed, either symmetrically or obliquely, into a sort of petiole, a type which nearly always runs without exception through the genera in which it occurs, and is represented at the Cape by *Babiana*, and in Tropical America by *Tigridia*, *Eleutherine*, and several other small genera. There are bulbilli developed on the axils of the leaves in species of *Sparaxis*, *Hesperantha*, and *Moræa*.

Inflorescence and Bracts.—Iridaceæ also agree with Cyperaceæ and Gramineæ, and differ from Liliaceæ and Amaryllidaceæ, in the fact that in inflorescence and bracts we get some of the best characters for groups and genera. Here, as in the structure of the perianth, we have in the order three well-marked types, viz. :—

1. Spathe essentially one-flowered and two-valved. Flowers

comparatively persistent, nearly always arranged in centripetal spikes, which are often paniced. To the normal form of this type, of which we have examples in *Gladiolus*, *Ixia*, *Watsonia*, *Sparaxis*, and *Antholyza*, about one third of the genera of the order belong. We have this type running into abnormal forms in *Lapeyrousia*, in which the flowers are arranged in corymbose panicles, but in some species they run into spikes at the end of the branches—and in *Romulea* and *Spatalanthus*, in which the flowers are often solitary or, if more than one, umbellate. Taking the three primary subdivisions of the order founded on perianth-structure, we find this type of inflorescence runs through all the *Gladioleæ*, includes about half of the *Ixiæ*, and is not represented at all in the *Irideæ* proper. It is correlated with flabellate-distichous leaves, the absence of a peduncle inside the bract, the presence of a distinct tube to the perianth above the ovary, a perigynous insertion of the stamens, and a comparatively firm texture and long duration in the flower. In this type the shape and texture of the two bracts of the spathe vary greatly from genus to genus, and usually run through a genus with great uniformity. As illustrations of peculiar forms, I may mention the short, oblong-truncate type, membranous in texture, with two or three cusps at the tip, which marks *Ixia*, *Morphixia*, and *Tritonia*, and the membranous lacerated spathe-valve conspicuously variegated with brown and white, which marks at a glance *Sparaxis* from all the other Ixioid, and *Synnottia* from all the other Gladioloid genera.

2. Flowers one or many to each bulb or corm, sessile in the centre of a multifarious rosette of generally narrow leaves, each furnished with a tight-clasping, long, membranous spathe of its own, divided at the top into one or two valves, and these, if the flower be more than one, not enclosed in a general bract of firm texture, as in the next group: examples—*Crocus*, *Galaxia*, *Syringodea*. The flowers in this type are always regular and upright, with a long slender tube, and the leaves never flabellato-distichous.

3. Flowers essentially clustered, the bracts superposed, the two outer ones generally green and firm in texture at the flowering-time, the inner ones membranous. The number of flowers in a cluster varies greatly. Rarely, as in some of the Irises, it runs down to one, in which case there are no membranous bracts inside the two outer green ones. Often the number

of flowers in a cluster is from three to six, as in *Tigridia* and *Rigiddella*; but sometimes, as in *Aristea* and *Libertia cærulescens*, it runs up to twenty or thirty. The clusters are sometimes solitary, and in that case may either be terminal or lateral as regards the main axis of the stem. If more than one, they usually form corymbs, but sometimes, as in one section of *Sisyrinchium*, only a compound spike. Taking the divisions of the order as founded on perianth-structure, this type includes all the *Irideæ* proper, about half the *Ixiææ*, but none of the *Gladiolææ*—as a whole, more than half the genera of the order. The flowers are more fugitive than in the solitary-flowered, spicate type, and usually stalked within the spathe-valves; and the flowers in a cluster expand in succession, beginning with the lowest, the pedicels elongating so as to push up the limb above the level of the cluster of bracts. The limb often expands only for a few hours in the middle of the day, and, after once closing, does not open again. We have examples of this type of inflorescence, in the Old World, in *Iris*, *Patersonia*, and *Aristea*; and all the American genera, such as *Sisyrinchium*, *Marica*, *Tigridia*, and *Cypella*, belong to it exclusively. As the outermost flower is the first to expand, it would seem at first sight as if these clusters of flowers represented one of the Gladioloid spikes congested; but Mr. Bentham has lately pointed out ('Flora Australiensis,' vol. vi. p. 399) that they really represent congested, unilateral cymes—the pedicel of the first flower being not in the axis of the first bract, but opposed to the second bract with the rest of the cluster between them, the third bract placed on the same side as the first with the second flower opposed to it, and so on to the end. That such is the case it is often easy to see in *Iris*; but frequently the clusters are so excessively congested that it is difficult to make out their true character. With this type is correlated either a long, clavate ovary, or the presence of a pedicel inside the bract; and it is to this that the epigynous stamens, ovaries protruded at the top from the perianth-tube, and (except in *Babiana*) the plicate leaves are restricted; and in this type there is much less variation in the form and texture of the bracts than, under the centripetal spicate type and special forms of bract, are not characteristic of particular genera.

Perianth.—We get within the bounds of the order three distinct types of structure, viz.:—

1. A regular perianth, with a straight tube and symmetrical

limb, in which all the six divisions are alike in shape and direction, correlated with symmetrical stamens spreading from the axis in the same direction as the perianth-segments which they subtend—as in *Crocus* and *Ixia*.

2. A regular perianth with stamens as in the last type, but the three inner segments decidedly different in shape, and often in direction, from the three outer—as in *Iris* and *Tigridia*.

3. An irregular perianth with a more or less decidedly arching tube and segments of the same row different in shape and direction, correlated with stamens unilateral and arching in the expanded flower—as in *Gladiolus* and *Montbretia*.

This difference in perianth-structure furnishes, in my view, the best primary subdivision of the order for systematic purposes. It is a difference which is both important from a structural point of view and easy of application; and there is the advantage that each of the three groups thus formed contains a considerable number of genera. Out of 65 genera in the order, 32 belong to the first, 20 to the second, and 12 to the third type. The principal difficulty in its practical application is, that, if we look at perianth-structure alone, it is difficult to draw the line between the first group and the third; but if the direction of the stamens be attended to, the difficulty almost entirely disappears. As I have already indicated, these three types of perianth-structure, to a large extent, run parallel with the three types of inflorescence. All the 12 Gladioloid genera have the spicate, centripetal inflorescence; all the 20 Euiroid genera have the congested, cymose inflorescence; but in the 32 Ixioid genera all the three types of inflorescence are shown. For the rest there is little about the perianth that need be alluded to here. Even in the group where the two rows of segments are dissimilar, the outer row is always thoroughly petaloid in texture. The difference between the absence or presence of a tube above the ovary sometimes occurs in plants otherwise very closely allied, and cannot, I think, be regarded as a constant mark of genera. The distinct beard of strong hairs that runs down the claw of the outer segments to form a cushion for the stamens in one large section of *Iris* is remarkable; but in another section of *Iris*, as also in species of *Morœa* and *Vieusseuxia*, the claw is clothed with a finer, more diffused cushion. In another section of *Iris* the claw of the outer segments shows a petaloid crest: and in several of the American

Iridææ the three inner segments are permanently convolute,—all arrangements probably in some way connected with fertilization, the import and mode of action of which have still to be worked out.

Stamens.—In the anther throughout the order there is no material difference in structure; neither can we regard the difference between the epigynous and perigynous insertion of the stamens as here of much account, as one slides into the other very gradually. The three stamens, whatever may be their direction in the expanded flower, are always inserted opposite the outer segments of the perianth. In the Australian genus *Diplarrhena* the three filaments are unequal in length, and one of the anthers is abortive. In one solitary instance, for a typical Iridaceæ plant (*Eleutherine anomala*) Herbert has recorded the presence of six stamens; but it has never been seen again, and may perhaps have been a monstrosity of the common American *Eleutherine plicata*. Mr. Bentham regards as an anomalous member of Iridææ the Australian genus *Campynema*, which has always six stamens. I have spoken already of the different direction of the stamens in the expanded flower, and how in this respect we get two well-marked types correlated with the shape of the perianth. The three filaments, when free, never become dilated and petaloid; but in a considerable number of Iridææ the stamens are more or less decidedly monadelphous; and for this reason, in the old books, the order is separated out under two Linnean classes far removed from one another. In a small number of genera, such as *Tigridia*, *Vicusseuxia*, and *Galaxia*, the filaments are completely and thoroughly monadelphous; and in a large number, such as *Orocus* and *Gladiolus*, they are completely and unmistakably free. But in other genera, well marked by habit, inflorescence, and perianth-characters, such as *Sisyrinchium* and *Libertia*, we get very various degrees of union in plants thoroughly uniform in other points. *Ixia*, a well-marked triandrous generic type, embracing wide specific diversity, has two monadelphous representatives, *Ixia monadelphæ* and *curta*. *Romulea*, a genus with 36 triandrous species, with a habit peculiarly its own, has a monadelphous analogue in the single species on which Sweet founded his genus *Spatalanthus*. So that, as a whole, we must say that triandrous pass gradually into the monadelphous Iridææ along several lines of junction.

Pistil.—In the ovary there is no material difference in the order,

except that in the monotypic genus *Hermodactylus* the three placentas are parietal, and the ovary consequently one-celled. The ovules in each cell are always more than one and superposed. In style and stigma there is a very wide variation within the bounds of the order. We can always trace out three distinct style-branches. Sometimes, as in most of the *Eurideæ*, these are opposite to the stamens, and consequently to the three outer segments of the perianth; but in another large section of the order, as in *Sisyrinchium*, *Libertia*, and *Patersonia*, the style-branches are alternate with the stamens, and consequently opposite to the three inner segments of the perianth. In *Aristea* the three branches are mere cusps; but, as a rule, they are of considerable length. Sometimes they are subulate, and then may be either entire or more or less deeply forked. A common type is that of *Gladiolus*, in which the stigmas are represented by small, flat, oblanceolate, petaloid expansions. We have an extreme type in the large, petaloid, crested style-branches of *Iris* and *Moræa*. As a whole, we may safely say that some of the best characters of genera are taken from these organs; and, as a rule, it seems that we may safely hold a material difference in style as the mark of a distinct genus, although in *Crocus* we get a wide range of diversity in plants otherwise very near to one another.

Fruit and Seeds.—The fruit is always capsular, with loculicidal dehiscence. In some cases, as for instance, *Tigridia*, *Rigidella*, and *Herbertia*, the top is protruded beyond the perianth-tube, and this leaves a distinct free operculum at the top of the capsule, at the bottom of which, at any rate temporarily, the dehiscence stops. The seeds are generally angular; and in those genera in which they are typically discoid we get species in which the discoid character is lost. *Gladiolus segetum*, with globose seeds, is very difficult to distinguish from *G. byzantinus*, in which they are as flat as in a tulip. *Iris* and *Antholyza* are genera in which we get a very individualized type of flower in combination with seeds of a very different shape. So that for purposes of systematic distinction the seeds in the order are not readily available. The testa in the order differs materially in colour and texture, and needs greater study of fresh specimens than I have been able to give. In embryo and albumen I know of no material difference within the bounds of the order.

Bounds of the Order.—Unlike the Liliaceæ and Amaryllidaceæ, Iridaceæ is one of the most strictly limited of natural orders. The only genus about which there can be any doubt as to whether it should be included in the order or not is *Campynema*, which has an inferior ovary, six stamens with extrorse anthers, melantheid leaves, and a tuft of fleshy root-fibres. It was placed by Brown in Melanthaceæ, by Mueller in Hypoxidaceæ, but in Mr. Bentham's view is better regarded as an anomalous *Irid*.

Geographical Distribution.—As I am giving a table showing the distribution of each genus, it is not needful to say much on this head. The great concentration of the order is at the Cape, where we get 312 out of 698 species. Out of 65 genera, 25 are exclusively Cape and 7 are mainly Cape plants, but are feebly represented in Tropical Africa. Of the three great subdivisions of the order, the Gladiolæ are confined to the Old World, the other two common to both the Old and the New. Although Europe comes next to the Cape in number of species, it has only one endemic genus (*Hermodactylus*), and all its other species belong either to *Crocus* and *Xiphion* (which it shares with Temperate Asia), to *Iris* (which has the widest dispersion of any genus of the order), or to *Gladiolus*, *Romulea*, and *Moræa* (which it shares with the Cape and Tropical Africa). The 56 Tropical-African species are outwandering representatives of the great Cape genera. Australia has two endemic genera (*Patersonia* and *Diplarrhena*), a single *Iris*, and *Orthrosanthus* and *Libertia* (which it shares with Tropical America). Out of 21 American genera, 17 are endemic. Out of a little over 100 American species, all but 2 are endemic. Very few of the species occur in more than one of the climatic districts. The two most widely dispersed plants of the order are *Sisyrinchium Bermudianum*, which is common to Ireland and North America, and *Iris sibirica*, which extends from Sweden and France to Japan, and just touches North-west America. There are 6 plants which I have treated as species which are known in gardens only.

Table showing the Distribution of the Genera of Iridaceæ.

Genera.	Europe and North Africa.	Temperate Asia.	Temperate North America.	Tropical Africa.	Tropical Asia and Polynesia.	Tropical America.	Cape.	Australia and New Zealand.	Temperate South America.
Crocus	32	27	...	...	...	...	3	...	...
Syringodea	12	...	...	19	...	...
Romulea	16	2	...	...	...	...	18	...	...
Ixia	2	...	...
Streptanthera	24	...	...
Geissorhiza	12	...	...
Hesperantha	9	...	...
Morphixia	3	...	...
Sparaxis	2	...	...
Dierama	2	...	...
Hexaglottis	2	...	...
Eleutherine	4	...	...
Calydorea	1	...	...	...	1	...	...
Cardiostigma
Nemastylis	3	...	...	...	...	...	...
Galaxia	2	...	...
Spathalanthus	1	...	...
Homeria	5	...	...
Ferraria	6	...	...
Gelasine
Chlamydstylus
Schizostylis	2	...	...
Witsenia	1	...	...
Nivenia	2	...	...
Klattia	1	...	...
Aristea	3	...	...	12	...	...
Orthrosanthus	2	...	5	...
Belemcanda	1	...	...	...	...	...	...	...
Bobartia	4	...	...
Tapeinia	1
Sisyrinchium	1	...	3	...	1	28	...	...	20
Xiphion	7	9	...	...	...	...	...	...	...
Sphenostigma	1	...	...	...
Cipura	2	...	...	...
Alophia	1	...	...	2	...	...	...
Lausbergia	7	...	...	...
Hesperoxiphion	2	...	...	...
Phalocallis	1	...	...	...
Cypella	1	...	...	2
Moraa	1	1	...	9	...	...	25	...	...
Vieussouxia	11	...	...
Herbertia	2	...	...	4	...	...	1
Totals	57	40	10	16	1	64	166	5	24

Genera.	Europe and North Africa.	Temperate Asia.	Temperate North America.	Tropical Africa.	Tropical Asia and Polynesia.	Tropical America.	Cape.	Australia and New Zealand.	Temperate South America.
Brought forward	57	40	10	16	1	64	166	5	24
Rigidella .....	...	...	...	...	...	3	...	...	...
Hydrotænia .....	...	...	...	...	...	1	...	...	...
Tigridia .....	...	...	...	...	...	6	...	...	1
Iris	28	41	15	1	...	...	2	1	...
Hermodactylus	1	...	...	...	...	...	...	...	...
Diplarrhena .....	...	...	...	...	...	...	...	2	...
Marica .....	...	...	...	...	...	8	...	...	...
Patersonia .....	...	...	...	...	...	...	...	19	...
Libertia .....	...	...	...	...	...	...	...	4	4
Anomatheca .....	...	...	...	2	...	...	2	...	...
Lapeyrousia .....	...	...	...	7	...	...	12	...	...
Watsonia .....	...	...	...	1	...	...	12	...	...
Acidanthera .....	...	...	...	3	...	...	7	...	...
Homoglossum .....	...	...	...	...	...	...	3	...	...
Tritonia .....	...	...	...	...	...	...	9	...	...
Freesia .....	...	...	...	...	...	...	2	...	...
Babiana .....	...	...	...	...	...	...	19	...	...
Melaspærula .....	...	...	...	...	...	...	1	...	...
Montbretia .....	...	...	...	...	...	...	14	...	...
Synnotia .....	...	...	...	...	...	...	3	...	...
Gladiolus	8	8	...	4	...	...	51	...	...
Antholyza .....	...	...	...	2	...	...	9	...	...
Totals	94	89	25	56	1	82	312	31	29

Table of the Genera of Iridaceæ.

	Ixiæ.	Iridæ.	Gladiolæ.
Bulbs with free stamens.	Crocus	Xiphion	Anomatheca
	Syringodea	Sphenostigma ...	Lapeyrousia
	Romulea	Cipura	Watsonia
	Ixia	Alophia	Acidanthera
	Streptanthera ...	Lansbergia	Homoglossum ...
	Geissorhiza	Hesperoxiphion ..	Tritonia
	Hesperantha	Phalocallis	Freesia
	Morphixia	Cypella	Babiana
	Sparaxis		Melaspærula ...
	Dierama		Montbretia
	Hexaglottis		Synnotia
	Eleutherine		Gladiolus
	Oalydorea		Antholyza
	Cardiostigma ...		
	Nemastylis		
	178	34	194

Table of the Genera of Iridaceæ (continued).

	Ixiæ.	Irideæ.	Gladiolæ.
Bulbs with monadelphous stamens.	Galaxia 2 Spatalanthus ... 1 Homeria 5 Ferraria 6 Gelasine 3 Chlamydestylus .. 5 22	Moræa 35 Viussieuxia 11 Herbertia 6 Rigidella 3 Hydrotænia 1 Tigridia..... 6 62	
Non-bulbs with free stamens.	Schizostylis 2 Witsenia 1 Nivenia 2 Klattia 1 Aristea 15 Orthrosanthus ... 7 Belemcanda 1 Bobartia 4 33	Iris 80 Hermodactylus... 1 Diplarrhena 2 Marica..... 9 92	
Non-bulbs, monadelphous stamens.	Tapeinia 1 Sisyrinchium ... 48 Solenomelus 7 56	Libertia..... 8 Patersonia..... 19 27	
Total.	Genera 32, species 289.	Genera 20, species 215.	Genera 13, species 194.

CONSPECTUS TRIBUUM ET GENERUM.

Series I. IXIÆ. Perianthium regulare, segmentis interioribus exterioribus consimilibus, staminibus æquilateralibus.

Tribus 1. CROCEÆ. Herbæ bulbosæ staminibus liberis.

* *Spathæ unifloræ. Flores haud spicati.*

1. CROCUS. Acaulis, spathæ valvis angustis elongatis membranaceis. Perianthii tubus longissimus. Stigmata integra vel multifida. *Europa, Asia occidentalis, Mauritania.*
2. SYRINGODEA. Acaulis, spathæ valvis angustis elongatis membranaceis. Perianthii tubus elongatus. Stigmata integra cuneata. *C. B. Spei.*
3. ROMULEA. Caulescentes, floribus solitariis vel paucis corymbosis. Spathæ valvæ lanceolatæ, exterior viridis. Perianthii tubus brevissi-

mus. Stigmata bifida ramis brevibus subulatis. *Regio Medit., Africa tropicalis, C. B. Spei.*

**** *Spathæ unifloræ. Flores spicati.***

4. IXIA. Perianthium rotatum, tubo cylindrico. Spathæ valvæ breves membranaceæ, apice 2-3-dentatæ. *C. B. Spei.*
5. STREPTANTHERA. Perianthium rotatum, tubo brevissimo cylindrico. Spathæ valvæ membranaceæ brunneo-punctatæ apice laceratæ. *C. B. Spei.*
6. GEISSORHIZA. Perianthium infundibulare, tubo cylindrico. Spathæ valvæ oblongæ virides integræ. Stylus ex tubo protrusus, stigmatibus brevibus subulatis. *C. B. Spei, Madag., Montes Cameroon.*
7. HESPERANTHA. Perianthium infundibulare, tubo cylindrico. Spathæ valvæ oblongæ virides integræ. Stylus ex tubo vix protrusus, stigmatibus magnis subulatis. *C. B. Spei, Abyssinia.*
8. MORPHIXIA. Perianthium infundibulare, tubo cylindrico brevi vel longo, collo turbinato. Spathæ valvæ breves membranaceæ, apice 2-3-dentatæ. *C. B. Spei.*
9. SPARAXIS. Perianthium infundibulare, tubo brevi. Spathæ valvæ membranaceæ brunneo-punctatæ, apice laceratæ. Folia brevissima membranacea. *C. B. Spei.*
10. DIERAMA. Perianthium infundibulare, tubo brevi. Spathæ valvæ magnæ pallidæ membranaceæ parce laceratæ. Folia dura elongata. *C. B. Spei.*

***** *Spathæ 2-plurifloræ.***

11. HEXAGLOTTIS. Capensis, perianthii tubo producto, spathis sessilibus spicatis.

Americana, perianthii tubo nullo, spathis pedunculatis, foliis sæpissime plicatis.

12. ELEUTHERINE. Stigmata 3 integra subulata. Flores albi. *Amer. tropicalis.*
13. CALYDORÆA. Stigmata 3 subulata apice emarginata. Flores cærulei, raro lutei. *Amer. trop.*
14. CARDIOSTIGMA. Stigmata 3 plana obcordata. Flores cærulei. *Mexico.*
15. NEMASTYLUS. Stigmata 6 elongata subulata. Flores cærulei. *Amer. bor.-orientalis.*

Tribus 2. GALAXIÆ. Herbæ bulbosæ, staminibus coalitis.

* *Capenses, stigmatibus plus minus applanatis.*

16. GALAXIA. Acaulis, floribus sessilibus solitariis, tubo producto filiformi. Stigma peltatim trilobatum.
17. SPATALANTHUS. Acaulis, floribus solitariis pedunculatis, tubo brevi infundibulari. Stigmata ligulata emarginata.
18. HOMERIA. Caulescens, floribus paniculatis, ad spatham pluribus. Tubus nullus. Stigmata ligulata petaloidea 2-cristata. Bulbus tunicatus.
19. FERRARIA. Caulescens, floribus paniculatis, ad spatham pluribus. Stigmata petaloidea bifida penicillata. Limbus basi cupularis. Cormus tuberosus.

** *Americanæ, styli ramis subulatis.*

20. GELASINE. Styli rami 3.
21. CHLAMYDOSTYLUS. Styli rami 6.

Tribus 3. ARISTEÆ. Herbæ vel frutices haud bulbosæ, staminibus liberis.

* *Herbæ, floribus spicatis ad spatham solitariis.*

22. SCHIZOSTYLIS. Stylus ex tubo haud protrusus, stigmatibus magnis subulatis. *C. B. Spei.*

** *Frutices, spathis 1-2-floris, ramis ancipitibus distiche foliatis.*
(*Capenses.*)

23. WITSENIA. Perianthium viridulum infundibulare, lobis brevibus conniventibus, exterioribus dorso flavo-tomentosis. Antheræ magnæ lanceolatæ, filamentis brevibus complanatis.
24. NIVENIA. Perianthium cæruleum hypocrateriforme, lobis patulis glabris, tubo cylindrico æquilongis. Antheræ minutæ oblongæ, filamentis brevissimis subulatis.
25. KLATTIA. Perianthium cæruleum, lobis glabris longissimis erectis anguste lingulatis longe unguiculatis. Antheræ magnæ lanceolatæ, filamentis longissimis subulatis.

*** *Herbæ, spathis multifloris.*

26. ARISTEA. Caulis foliosus. Inflorescentia corymbosa, raro capitata. Perianthium cæruleum, tubo brevissimo. Stylus productus apice obscure tricuspidatus. *C. B. Spei, Madag., Abyssinia, Angola.*

27. *ORTHROSANTHUS*. Caulis parce foliosus. Inflorescentia capitata corymbosa. Perianthium cœruleum, tubo brevissimo. Stylus brevissimus, ramis productis subulatis. *Australia, Amer. tropicalis*.
28. *BELEMCANDA*. Caulis parce foliosus. Inflorescentia corymbosa. Perianthium rubrum punctatum, tubo nullo. *China*.
29. *BOBARTIA*. Caulis nudus. Inflorescentia capitata. Perianthium luteum, tubo nullo. *C. B. Spei*.

Tribus 4. *SISYRINCHIEÆ*. Herbæ haud bulbosæ, staminibus coalitis.

30. *TAPEINIA*. Spathæ multifloræ, valvis 2. Tubus nullus. *Chili, Patagonia*.
31. *SISYRINCHIUM*. Spathæ multifloræ, valvis pluribus. Tubus nullus. *America tota, Hibernia*.
32. *SOLENOMELUS*. Spathæ multifloræ, valvis pluribus. Tubus productus infundibularis vel filiformis. *Andes, Chili, Patagonia*.

Series II. *IRIDEE*. Perianthium regulare, segmentis interioribus exterioribus dissimilibus, staminibus æquilateralibus.

Tribus 5. *XIPHIONIDÆ*. Herbæ bulbosæ, staminibus liberis.

* *Segmenta interiora plana*.

33. *XIPHION*. Stigmata magna petaloidea quadrata, cristis 2 petaloideis instructa. Folia plana. *Regio Mediterranea, Oriens*.
34. *SPHENOSTIGMA*. Stigmata parva integra cuneata denticulata. Folia plicata. *Brasilia*.
35. *CIPURA*. Stigmata parva oblonga integra petaloidea. Folia plicata vel raro teretia. *Amer. trop.*

** *Segmenta interiora convoluta*.

36. *ALOPHIA*. Stigmata bifida, ramis subulatis recurvatis. Folia plicata. *Texas*.
37. *LANSBERGIA*. Stigmata clavata apice emarginata. Folia teretia vel plana. *Amer. trop.*
38. *HESPEROXIPHION*. Stigmata magna petaloidea quadrata, cristis tribus petaloideis, intermedia minuta. Folia plicata. *Amer. trop.*
39. *PHALOCALLIS*. Stylus apice cyathiformis, stigmatibus cristis 2 deltoideis transversalibus præditis. Folia plicata. *Brasilia merid.*

40. **CYPELLA.** Stylus apice cyathiformis, ramis stigmatosis bifidis, ramulis cristis tribus subulatis inæqualibus præditis. Folia plicata. *Brasilia.*

Tribus 6. **TIGRIDIEÆ.** Herbæ bulbosæ, staminibus coalitis.

* *Styli rami petaloidei, apice 2-cristati.*

41. **MORÆA.** Filamenta sursum libera, deorsum coalita. Perianthii segmenta interiora exterioribus æquilonga. *C. B. S., Africa tropicalis, Regio mediterranea.*
42. **VIEUSSEUXIA.** Filamenta prorsus coalita. Perianthii segmenta interiora minuta unguiculata. *C. B. Spei.*

** *Styli rami subulati vel anguste applanati.*

43. **HERBERTIA.** Styli rami apice emarginati vel integri. Segmenta interiora parva plana. *America trop. et subtrop.*
44. **RIGIDELLA.** Styli rami profunde furcati. Segmenta interiora minutissima occulta. *Mexico et Guatemala.*
45. **HYDROTÆNIA.** Styli rami profunde furcati. Segmenta interiora magna plana rhomboidea. *Mexico.*
46. **TIGRIDIA.** Styli rami profunde furcati. Segmenta interiora exterioribus multo minora convoluta. *Amer. trop.*

Tribus 7. **EUIRIDEÆ.** Herbæ rhizomatosæ, staminibus liberis.

* *Segmenta interiora haud convoluta.*

47. **IRIS.** Stamina 3 perfecta. Ovarium 3-loculare. Stigmata quadrata petaloidea apice cristis 2 magnis petaloideis instructa. Rhizoma repens, sæpissime crassum. *Regio temp. præsertim zonæ borealis.*
48. **HERMODACTYLUS.** Stamina et stigmata *Iridis.* Ovarium 1-loculare, placentis 3 parietalibus. Rhizoma digitatum. *Regio mediterranea.*
49. **DIPLARRHENA.** Stamina inæqualia arcuata, 1 castratum. Segmentum supremum interius leviter fornicatum. Ovarium et stigmata *Iridis.* *Australia.*

** *Segmenta interiora convoluta.*

50. **MARICA.** Scapus late applanatus. Stigmata multifida. *Amer. trop.*

Tribus 8. **PATERSONIEÆ.** Herbæ haud bulbosæ, staminibus sæpissime coalitis.

51. **PATERSONIA.** Perianthii tubus productus; segmenta interiora minuta. Stigmata parva, petaloidea. *Australia.*

52. **LIBERTIA.** Perianthii tubus nullus; segmenta interiora magna. Stigmata subulata. *Australia, Nov. Zeal., Amer. austral. temp.*

Series III. **GLADIOLEÆ.** Perianthium irregulare, staminibus unilateralibus arcuatis. Omnia bulbosa, filamentis liberis.

Subtribus 1. **HOMOGLOSSA.** Limbi segmenta subæqualia.

* *Styli apice bifidi, ramis divaricatis.*

53. **ANOMATHECA.** Inflorescentia spicata. Tubus gracilis, cylindricus. Spathæ valvæ lanceolatæ integræ acutæ. Folia aggregata. *C. B. Spei, Africa tropicalis.*

54. **LAPEYROUSIA.** Inflorescentia sæpissime corymbosa. Tubus gracilis cylindricus. Folia sæpissime segregata. *C. B. Spei, Africa tropicalis.*

55. **WATSONIA.** Inflorescentia spicata. Tubus curvatus infundibularis medio cito ampliatus. *C. B. Spei, Madagascaria.*

** *Styli rami integri, stigmatibus parvis petaloideis.*

56. **ACIDANTHERA.** Tubus elongatus cylindricus subrectus. Spathæ valvæ magnæ integræ virides lanceolatæ. Folia plana glabra segregata. *C. B. Spei, Africa tropicalis.*

57. **HOMOGLOSSUM.** Tubus curvatus infundibularis medio cito ampliatus. Spathæ valvæ lanceolatæ integræ. Folia angustissima glabra segregata. *C. B. Spei.*

58. **TRITONIA.** Tubus brevis late infundibularis. Spathæ valvæ breves brunnæ apice dentatæ. Folia plana glabra aggregata. *C. B. Spei.*

60. **BABIANA et ACASTE.** Tubus brevis late infundibularis. Spathæ valvæ lanceolatæ pilosæ. Folia aggregata pilosa plicata oblique petiolata. *C. B. Spei.*

Subtribus 2. **HETEROGLOSSA.** Limbi segmenta valde inæqualia.

* *Styli rami bifidi, ramulis divaricatis.*

59. **FREESIA.** Spathæ valvæ parvæ apice dentatæ. Folia glabra graminoides. *C. B. Spei.*

** *Styli rami integri.*

a. *Humiles, seminibus turgidis.*

60. **BABIANA et EUBABIANA.** Tubus productus apice infundibularis. Spathæ valvæ lanceolatæ subcoriaceæ pilosæ. Folia pilosa plicata oblique petiolata. *C. B. Spei.*

61. **MELASPHÆRULA.** Tubus brevissimus. Limbi segmenta cuspidata. Spathæ valvæ parvæ integræ glabræ. Folia glabra plana membranacea. *C. B. Spei.*

62. MONTBRETIA. Tubus productus apice infundibularis. Spathæ valvæ sæpissime breves apice sphacelatæ dentatæ. Folia plana glabra. *C. B. Spei.*

63. SYNNOTTIA. Tubus productus infundibularis. Spathæ valvæ breves membranaceæ brunneo punctatæ apice laceratæ. Folia plana glabra. *C. B. Spei.*

b. Elatæ, seminibus sæpissime discoideis alatis.

64. GLADIOLUS. Tubus curvatus infundibularis sensim amplius. Segmenta tubo æquilonga vel longiora. *C. B. Spei, Africa trop., Mauritania, Oriens, Europa cent. et austr.*

65. ANTHOLYZA. Tubus curvatus, medio cito amplius. Segmenta tubo breviora. *C. B. Spei, Africa trop.*

1. CROCUS, *Tournef.*

Tournef. Instit. 350, t. 183-184; *Linn. Gen.* No. 55; *Ker, Gen. Irid.* 72; *Herbert in Journ. Roy. Hort. Soc.* ii. 249; *Klatt in Linnæa*, xxiv. 675; *Baker in Gard. Chron.* anno 1873.—*Crociris, Schur, Sert.* 1853, 73.

Perianthium regulare infundibulare erectum, tubo supra ovarium longe producto cylindrico recto, segmentis oblongo-spathulatis conformibus diu erectis imbricatis. Stamina 3, ad faucem tubi æquilateraliter inserta, segmentis breviora, filamentis liberis applanatis, antheris erectis linearibus sagittatis. Ovarium trilobulare, ovulis in loculo plurimis horizontalibus; stylus filiformis, longissimus, ex tubo perianthii exsertus, ramis stigmatosis tribus subintegris, apice fimbriatis vel multifidis ramis capillaribus patulis. Capsula chartacea, oblongo-trigona, ab apice loculicide trivalvis, seminibus multis globosis, testa membranacea brunnea, albumine corneo, embryone minuto recto axili.

Herbæ acaules, cormo annuo prolifero tunicis membranaceis fibrosis vel reticulatis, foliis anguste linearibus, siccis persistentibus, synanthiis vel hysteroanthiis sæpe albo vittatis, spatha basali membranacea vel nulla, tubo spatha propria elongata membranacea 1-2-valvi bracteato, floribus magnis speciosis vernalibus vel autumnalibus albis lilacinis vel luteis sæpe vittatis.

Sect. I. HOLOSTIGMA. *Stigmata tria subintegra, vix fimbriata.** *Vernales.*

1. *C. CHRYSANTHUS*, *Herb. in Journ. Hort. Soc.* ii. 285, non *Bot. Reg.*
—*C. annulatus*, var. *chrysanthus*, *Herb. in Bot. Mag.* sub t. 3861.—
C. croceus, *K. Koch in Linnæa*, xix. 7.—*C. sulphureus*, *Griseb. Fl. Rumel.* ii. 373, non *Ker. Asia Minor, Roumelia.*
Var. *FUSCO-TINCTUS*, *Baker. Asia Minor.*
Var. *FUSCO-LINEATUS*, *Baker. Asia Minor.*
2. *C. MÆSIACUS*, *Ker in Bot. Mag.* sub t. 652.—*C. luteus*, *Lam. Encyc.* vi. 385; *Red. Lil.* t. 196; *Reich. Ic. Crit.* tab. 926. fig. 1247.
—*C. vernus*, *Curt. Bot. Mag.* t. 45, non *All.*—*C. floribundus*, *Haworth in Trans. Hort. Soc.* i. 133.—*C. lagenæflorus*, var. *luteus*, *Herb. in Journ. Hort. Soc.* ii. 282. *Asia Minor, Græcia.*
Var. *C. AUREUS*, *Silth. & Sm., Flor. Græc.* t. 35; *Bot. Mag.* t. 2986; *Eng. Bot. Suppl.* t. 2646; *Reich. Ic. Crit.* tab. 925. fig. 1246; *Reich. Ic. Germ.* fig. 792.—*C. lagenæflorus*, var. 3, *Salisb. Parad. Lond.* t. 106.—*C. lagenæflorus*, *Sabine in Trans. Hort. Soc.* vii. 444, t. 11. fig. 2. *Asia Minor, Græcia, Banatus.*
Var. *C. STELLARIS*, *Haworth in Trans. Hort. Soc.* i. 136, cum icon. *Hybrida hortensis inter mæsiacum et susianum?*
Var. *C. SULPHUREUS*, *Ker, Bot. Mag.* t. 938 & 1384; *Sabine in Trans. Hort. Soc.* vii. t. 11. fig. 1; *Reich. Ic. Crit.* t. 927. fig. 1248.—*C. flavus*, *Haworth in Trans. Hort. Soc.* i. 135. *Græcia.*
Var. *C. LACTEUS*, *Sabine in Trans. Hort. Soc.* vii. 447, tab. 11. fig. 3. *Forma hortensis.*
3. *C. GARGARICUS*, *Herb. in Journ. Hort. Soc.* ii. 281; *Bot. Reg.* 1847, tab. 116. fig. 1.—*C. Thirkeanus*, *K. Koch in Linnæa*, xxi. 633. *Asia Minor.*
4. *C. SUSIANUS*, *Ker in Bot. Mag.* t. 652; *Red. Lil.* t. 293; *Hayne, Arzneik. G.* vi. t. 28; *Reich. Ic. Crit.* t. 928. fig. 1249; *Reich. Ic. Germ.* t. 358. fig. 794.—*C. revolutus*, *Haworth in Hort. Trans.* i. 136.—*C. reticulatus*, *M. B. Plant. Ross.* t. 1, *ex parte.*—*C. Roegnerianus*, *K. Koch in Linnæa*, xxi. 634. *Caucasus, Crimea, Podolia.*
Var. *IMMACULATUS*, *Herb. in Journ. Hort. Soc.* ii. 279. *Constantinople.*
Var. *ANCYRENSIS*, *Herb. loc. cit. Asia minor.*
5. *C. CREWEI*, *Hook. fil. in Bot. Mag.* t. 6168. *Insula Syra.*
6. *C. BIFLORUS*, *Miller, Gard. Dict.* edit. 7, No. 4; *Bot. Mag.* t. 845; *Andr. Bot. Rep.* t. 362; *Red. Lil.* t. 294; *Reich. Ic. Exot.* t. 34; *Reich. Ic. Crit.* t. 935–936. fig. 1256–59; *Ic. Germ.* t. 386. fig. 788–89.
—*C. circumscissus*, *Haworth in Trans. Hort. Soc.* i. 137.—*C. annulatus*, *Herb. in Journ. Hort. Soc.* ii. 285. *Italia.*

- Var. *C. ARGENTUS*, *Sabine in Trans. Hort. Soc.* vii. t. 11. fig. 5.—*C. minimus*, *Bot. Mag.* t. 2991, non *DC.*—*C. præcox*, *Haw. E. B. S.* t. 2645.—*C. lineatus*, *Jan, Elench.* 1; *Reich. Ic. Crit.* fig. 1259; *Reich. Ic. Germ.* fig. 788–9. *Italia.*
- Var. *C. PUSILLUS*, *Tenore, Mem.* 8, t. 2; *Sweet, Brit. Flow. Gard.* t. 106; *Ten. Fl. Nap.* t. 206; *Lodd. Bot. Cab.* t. 1454; *Bot. Reg.* t. 1987. *Italia.*
- Var. *C. WELDENSIS*, *Hoppe in Bot. Zeit.* 1840, 208; *Bot. Mag.* t. 6211. *Dalmatia.*
- Var. *C. ADAMI*, *Gay in Bull. Féruss.* xv. 219.—*C. biflorus*, *M. B. Flor. Taur. Cauc., Suppl.* 37.—*C. annulatus*, var. *adamicus*, *Herb. in Journ. Hort. Soc.* ii. 285; *Bot. Mag.* t. 3868. *Crimea & Caucasus.*
- Var. *C. NUBIGENUS*, *Herb. Bot. Reg.* 1843, Misc. 81. *Asia Minor.*
7. *C. VERSICOLOR*, *Ker, Bot. Mag.* t. 1110.—*C. fragrans*, *Haw. in Trans. Hort. Soc.* i. 136.—*C. Reinwardtii*, *Reich. Ic. Crit.* tab. 938. fig. 1261. *Gallia orientalis meridionalis.*
- Var. *C. CRESTENSIS*, *Eugene in Bull. Bot. Soc. France*, xv. 190.
8. *C. SUAVEOLENS*, *Bertol. Fl. Ital.* i. 208; *Bot. Mag.* t. 3864; *Sweet, Brit. Flow. Gard.* ser. ii. t. 252. *Italia.*
9. *C. MINIMUS*, *DC. Fl. France*, iii. 243; *Red. Lil.* t. 81; *Reich. Ic. Crit.* t. 491. fig. 1267; *Ic. Germ.* tab. 359. fig. 795.—*C. insularis*, *Gay in Bull. Féruss.* xv. 221; *Bot. Reg.* 1843, t. 21.—*C. corsicus*, *Vanucci.*—*C. nanus*, *DC. Syn. Gall.* 168. *Sardinia, Corsica.*
10. *C. BANATICUS*, *Heuffel in Flora*, 1835, 255; *Reich. Germ.* t. 361, fig. 800–1, non *Gay.*—*C. Heuffellii*, *Kornicke in Flora*, 1856, 476.—*C. Heuffellianus*, *Herbert in Journ. Hort. Soc.* ii. 273. *Hungaria, Transylvania, Croatia.*
11. *C. VERNUS*, *All. Ped.* i. 84; *Eng. Bot.* t. 344; edit. 3, t. 1499; *Jacq. Austr.* v. t. 36; *Red. Lil.* t. 266; *Reich. Exot.* t. 22; *Reich. Ic. Crit.* t. 929–934; *Ic. Germ.* t. 355; *Fl. Dan.* t. 2042.—*C. officinalis sylvestris*, *Huds. Angl.* i. 13. *Europa centralis et meridionalis.*
- Var. *C. ALBIFLORUS*, *Kit. in Schult. Oester. Fl.* i. 101; *Reich. Ic. Crit.* fig. 1255; *Ic. Germ.* tab. 355. fig. 787.—*C. montanus*, *Hoppe.*—*C. sculus*, *Tineo in Gass. Prodr. Fl. Sic. Suppl.* 7.
- Var. *C. OBOVATUS*, *Haworth in Trans. Hort. Soc.* i. 133.—*C. vernus*, var. *neapolitanus*, *Ker in Bot. Mag.* t. 860, 2240.
- Var. *C. NIVIGENUS*, *Herb. in Bot. Reg.* 1843, Misc. 82. *Odessa.*
- Var. *C. TOMMASINIANUS*, *Herb. in Journ. Hort. Soc.* ii. 273. *Dalmatia.*
- ? Var. *C. NERVIFOLIUS*, *Reich. Ic. Crit.* t. 942–3. fig. 1268–9.
12. *C. SIEBERI*, *Gay in Bull. Férus.* 1831, 220; *Bot. Mag.* t. 6036.—*C. nivalis*, *Bory & Chaub. Exp. Morée*, 21, t. 2. fig. 1; *Bot. Reg.* xxxiii. t. 4. fig. 2.—*C. Sieberianus*, *Herb. in Bot. Mag.* sub t. 3866.—*C. sublimis*, *Herb. in Bot. Reg.* 1845, Misc. 8.—*C. Sibthorpianus*, *Herb. in Bot. Reg.* 1845, Misc. 28. *Græcia, Crete, Asia Minor.*

- Var. C. *ATTICUS*, *Orphanides*, MS. *Græcia*.
 Var. C. *VELUCHENSIS*, *Herb. in Bot. Reg.* 1847, tab. 4. fig. 3; *Bot. Mag.* t. 6197.—C. *uniflorus*, *Schur in Verh. Sieb. Ver.* 1852, 90.—C. *balcanensis*, *Janka, Pl. Nov. Turc. Brev.* 8.—C. *thessalus*, *Boiss. & Sprun. Diag.* xiv. 17. *Græcia, Transylvania*.
 Var. C. *EXIGUUS*, *Schur, Fl. Transyl.* 652. *Transylvania*.
 13. C. *PARVIFLORUS*, *Baker in Trimen's Journ.* 1876, 266. *Taurus Ciliciæ*.
 14. C. *ALATAVICUS*, *Regel et Semenow, Enum. Pl. Semenow*, 111. *Alatau cisiliensis*.
 15. C. *CARPETANUS*, *Boiss. & Reut. Diag.* 24; *Graells Ramill.* fasc. 1, 10, t. 4. *Hispania*.
 16. C. *RETICULATUS*, *M. B. Flor. Taur. Cauc.* i. 28, et *Cent. Pl. Ross.* t. 1, *ex parte*; *Reich. Ic. Crit.* t. 939-940; *Ic. Germ.* t. 356.—C. *variegatus*, *Hoppe & Hornsch. Tagebuch*, t. 1; *Sturm, Deutsch. Flora*, xiii. t. 54.—C. *micranthus*, *Boiss. Diag.* ser. 2, iv. 95. *Caucasus, Asia Minor, Austria*.
 Var. *ALBICANS*, *Herb. Bot. Reg.* xxxiii. t. 16. fig. 2.
 Var. C. *DALMATICUS*, *Visiani, Fl. Dalm. Suppl.* t. 2. *Dalmatia*.
 17. C. *ETRUSCUS*, *Parlat. Fl. Ital.* iii. 228. *Italia*.

** *Autumnales.*

18. C. *SATIVUS*, *Linn. Sp. Plant.* 50; *Lam. Ency.* t. 30; *Red. Lil.* t. 173; *Reich. Ic. Germ.* t. 360; *Eng. Bot.* t. 343; *Royle, Him.* III. t. 91. fig. 1.—C. *Orsinii*, *Parl. Fl. Ital.* iii. 238.—C. *Haussknechtii*, *Boiss. in Haussk. Exsic.*—? C. *intromissus*, *Herb. in Journ. Hort. Soc.* ii. 268. *Patria incerta*.
 19. C. *CARTWRIGHTIANUS*, *Herb. in Bot. Reg.* xxx. t. 3. fig. 6, xxxi. t. 37. fig. 6, 7; *Moore in Floral Mag.* 1850, ii. 273, *cum icone*.—C. *græcus*, *Chapellier in Bull. Soc. Bot. France*, xx. 192. *Græcia*.
 20. C. *PALLASII*, *M. Bieb. Fl. Taur. Cauc.* iii. 35.—C. *autumnalis*, *M. Bieb. Flor. Taur. Cauc.* i. 27.—C. *Pallasianus*, *Herb. in Bot. Reg.* xxx. t. 3. fig. 2. *Crimea*.
 21. C. *THOMASII*, *Tenore, Mem. Croc.* 12, t. 4; *Ten. Fl. Nap.* t. 204, 205; *Reich. Ic. Crit.* t. 951.—C. *Thomasianus*, *Herb. in Bot. Reg.* xxx. t. 3. fig. 6. *Italia meridionalis*.
 22. C. *VISIANICUS*, *Herb. in Bot. Reg.* 1845, Misc. 8.—C. *Pallasii*, *Vis. Fl. Dalm.* 120; *Reich. Ic. Germ.* t. 796, 797, *non M. B.*—C. *versicolor*, var. *dalmaticus*, *Herb. in Bot. Mag.* sub t. 3871—? C. *hybernus*, *Friv. in Griseb. Fl. Rumel.* ii. 374. *Dalmatia*.

23. *C. HADRIATICUS*, *Herb. in Bot. Reg.* 1843, *Misc.* 77 ; *Bot. Reg.* 1847, t. 16. fig. 7-9. *Albania, Insulæ Ionicæ.*
24. *C. CAMBESSEDESII*, *Gay in Bull. Féruss.* vv. 220.—*C. Cambessedesianus*, *Herb. in Bot. Reg.* xxxi. t. 37. fig. 4. *Majorca.*
25. *C. LAZICUS*, *Boiss. in Balan. Pl. Orient.* 1866, *Exsic.* No. 1533. *Lazistan.*
26. *C. PELOPONNESIACUS*, *Orphan. in Boiss. Diag.* ser. 2, iv. 94. *Græcia.*
27. *C. KOTSCHYANUS*, *K. Koch, Ind. Sem. Hort. Berol.* 1853. *C. zonatus*, *Gay in Balansa, Pl. Orient. Exsic.* 1855, No. 823.—? *C. karduchorum*, *Kotschy, Pl. Cilic. Exsic.* 1859, no. 469. *Asia Minor.*
28. *C. SCHAROJANI*, *Ruprecht in Regelii Gartenflora*, xvii. 134, t. 578. fig. 2. *Caucasus occidentalis.*

Sect. II. ODONTOSTIGMA. *Stigmata tria distincte breviter fimbriata.*

* *Vernales.*

29. *C. OLIVIERI*, *Gay in Bull. Féruss.* 1831, 219 ; *Bot. Mag.* t. 6031. —*C. lagenæfflorus*, var. *Olivierianus*, *Herb. in Journ. Hort. Soc.* ii. 282.—*C. Aucheri*, *Boiss. Diag.* xiii. 16. *Græcia, Asia Minor.*
30. *C. SUTERIANUS*, *Herb. in Bot. Reg.* 1845, *Misc.* 5.—*C. chrysanthus*, *Herb. in Bot. Reg.* 1847, t. 7. fig. 1. *Asia Minor.*
31. *C. ALEPPICUS*, *Baker in Gard. Chron.* 1873, 609. *Asia Minor.*
32. *C. AERIUS*, *Herb. in Journ. Hort. Soc.* ii. 288.—*C. Sibthorpianus*, var. *stauricus*, *Herb. in Bot. Reg.* 1845, *Misc.* 5. *Armenia.*
Var. ? *C. PULCHRICOLOR*, *Herb. loc. cit.*—? *C. Pestalozzæ*, *Boiss. Diag.* xiii. 17. *Bithynia.*
Var. ? *C. CYPRIUS*, *Boiss. & Kotschy in Unger & Kots. Cyprus*, 203. *Cyprus.*
33. *C. IMPERATI*, *Ten. Fl. Neap.* iii. 411 ; *Mem.* t. 3 ; *Reich. Ic. Crit.* fig. 1260 ; *Bot. Reg.* t. 1993.—*C. Imperatoni*, *Herb. in Journ. Hort. Soc.* ii. 260. *Calabria.*

** *Autumnales.*

34. *C. LONGIFLORUS*, *Rafin. Caratt.* 84, t. 19. fig. 2 ; *Bot. Reg.* xxx. t. 3. fig. 4 ; *Reich. Ic. Crit.* fig. 1272-3.—*C. odoratus*, *Biv. Stirp. Sic.* iii. 8, t. 2. *Calabria, Sicilia.*
Var. *MELITENSIS*, *Herb. in Bot. Reg.* 1844, t. 3. fig. 5. *Melita.*
35. *C. SEROTINUS*, *Salisb. Parad. Lond.* t. 30 ; *Bot. Mag.* t. 1267 ; *Reich. Ic. Crit.* fig. 1271. *Patria incerta.*

Var. C. SALZMANNI, *Gay in Bull. Féruss.* xv. 220; *Hook. fil. Bot. Mag.* t. 6000.—C. Salzmannianus, *Herb. in Bot. Reg.* 1847, t. 4. fig 4.—C. tingitanus, *Herb. in Bot. Mag.* sub t. 3868. *Marocco.*

36. C. CASPIUS, *Fisch. & Mey. in Hohen. Enum. Talusch.* 22. *Caucasus.*

37. C. OCHROLEUCUS, *Boiss. & Gaill. in Boiss. Diag.* ser. 2, iv. 93. *Hook. fil. Bot. Mag.* t. 5297. *Syria, Palæstina.*

38. C. VALLICOLA, *Herb. in Bot. Reg.* xxxiii. t. 16. fig. 3.—C. Suwarowianus, *K. Koch in Linnæa*, xxi. 633. *Armenia.*

39. C. DAMASCENUS, *Herb. in Bot. Reg.* 1845, t. 37. fig. 1.—C. edulis, *Boiss. & Blanche, Exsic. Syria.*

Sect. III. SCHIZOSTIGMA. *Stigmata tria multifida, ramis capillaribus patulis.*

* *Vernales.*

40. C. VITELLINUS, *Wahl. in Isis*, xvi. 106.—C. syriacus, *Boiss. & Gaill. in Boiss. Diag.* ser. 2, iv. 94. *Syria.*

41. C. SYRIACUS, *Herb. in Journ. Hort. Soc.* ii. 282. *Asia Minor.*

42. C. FLEISCHERI, *Gay in Bull. Féruss.* 1831, 219.—C. Fleischerianus, *Herb. in Journ. Hort. Soc.* ii. 278.—C. smyrnensis, *Poech, Enum. Pl. Ins. Cyp.* 11.—C. candidus, "*Clarke*," *Travels*, iii. 185; *Boiss. Diag.* xiii. 16.—C. minimus, var. major, *Presl, Bemerk.* 116. *Asia Minor.*

43. C. HYEMALIS, *Boiss. & Blanche, Diag.* 2, iv. 93. *Syria.*

Var. GAILLARDOTII, *Boiss. & Blanche in Rel. Mail.* No. 1718. *Syria.*

** *Autumnales.*

44. C. CLUSII, *Gay in Bull. Féruss.* xv. 220.—C. clusianus, *Herb. in Journ. Hort. Soc.* ii. 269.—C. autumnalis, *Brotero, Fl. Lusit.* i. 49. *Lusitania.*

45. C. BORYI, *Gay in Bull. Féruss.* xv. 220.—C. Boryanus, *Herb. in Bot. Reg.* 1847, t. 16. fig. 10.—C. ionicus, *Herb. in Bot. Reg.* 1845, Misc. 3.—C. marathonisius, *Held, Exsic.* No. 2806.—C. Veneris, *Tapp. in Poech, Pl. Cyp.* 10. *Græcia, Cyprus, Insulæ Ionice.*

Var. C. ORPHANIDIS, *Hook. fil. Bot. Mag.* t. 5776. *Græcia.*

Var. C. CRETENSIS, *Kornicke in Flora*, 1856, 409. *Creta.*

46. C. SCHIMPERI, *Gay in Schimp. Pl. Cephal. Exsic.*—C. nudiflorus, *Sibth. & Sm. Prod. Græc.* 23, excl. syn.—C. cancellatus, *Herb. in Bot. Mag.* sub t. 3864.—C. Spruneri, *Boiss. & Held, Diag.* vii. 103.—C. mazzariensis, *Herb. in Bot. Reg.* 1845, Misc. 3, 1847, tab. 16. fig. 5, 6.—C. dianthus, *K. Koch in Linnæa*, xxi. 634.—C. pylarum, *Gay in Balansa, Pl. Orient. Exsic.* no. 316.—C. cilicius, *Kotschy, Pl. Cilic. Exsic.* no. 316. *Græcia, Asia Minor.*

47. *C. MEDIUS*, *Balbis, Add. Pedem.* 83; *Bot. Reg.* xxi. t. 37. fig. 5; *Mogg. Cont. Ment.* t. 20. *Gallia meridionalis, Italia.*
48. *C. NUDIFLORUS*, *Smith in Eng. Bot.* t. 491; edit. 3, t. 1500; *Baxter, Brit. Bot.* t. 137.—*C. multifidus, Ramond in Bull. Soc. Phil.* ii. 129. t. 8.—*C. speciosus, Wils. in Eng. Bot. Suppl.* t. 2752, non *M. B.*—*C. pyrenæus (Parkins.), Herb. in Journ. Hort. Soc.* ii. 255. *Gallia, Hispania.*
- Var. *C. ASTURICUS*, *Herb. in Bot. Mag.* t. 3998. fig. 2. *Asturia.*
49. *C. SPECIOSUS*, *M. B. Flor. Taur. Cauc.* i. 27; *Cent. Ross.* t. 71; *Bot. Mag.* t. 3861; *Bot. Reg.* xxv. t. 40.—*C. multifidus, Reich. Ic. Crit.* fig. 1275, non *Ramond.* *Austria, Crimea, Caucasus, Persia borealis.*
50. *C. PULCHELLUS*, *Herb. in Bot. Reg.* 1843, *Misc.* 28; *Bot. Reg.* xxx. t. 3; *Moore, Floral Mag.* 1850, *cum icone.* *Turcia, Græcia, Asia Minor.*
51. *C. BYZANTINUS (Parkins.), Ker in Bot. Mag.* t. 1111; *Herb. in Bot. Reg.* 1847, t. 4. fig. 5; *Bot. Mag.* t. 6141.—*C. banaticus, Gay in Bull. Féruss.* xv. 220, non *Heuffel.*—*C. speciosus, Reich. Pl. Crit.* figs. 1267–8, non *M. B.*—*C. iridiflorus, Heuff. in Æster. Bot. Wochen.* 1857, 222; *Reich. Ic. Germ.* fig. 802–3.—*C. Herbertianus, Kornicke in Walp. Ann.* vi. 51.—*Crociris iridiflora, Schur, Sert.* 1853, 73. *Austria.*

2. SYRINGODEA, *Hook. fil.*

Hook. fil. in Bot. Mag. t. 6072; *Baker in Trimen's Journ.* 1876, 66.

Perianthium hypocrateriforme vel infundibulare, tubo cylindrico elongato sursum vix ampliato, segmentis 6 conformibus obovatis integris vel emarginatis. *Stamina* 3, ad faucem tubi inserta, segmentis breviora, filamentis brevibus liberis filiformibus, antheris basifixis lineari-sagittatis. *Ovarium* triloculare, ovulis in loculo pluribus horizontalibus; *stylus* ex tubo breviter exsertus, *stigmatibus* tribus parvis patulis cuneatis. *Capsula* oblonga membranacea, loculicide trivalvis, seminibus minutis turgidis, testâ brunnea. *Herbæ acaules habitu Croci, bulbi tunicis membranaceis brunneis secus collum productis, spathis membranaceis unifloris, valvis 2 linearibus tubo brevioribus, floribus erectis lilacinis fauce luteis magnitudine mediocribus.*

* *Segmenta patula emarginata.*

1. *S. PULCHELLA*, *Hook. fil. in Bot. Mag.* t. 6072. *Cave.*

** *Segmenta ascendentia integra.*

2. *S. BICOLOR*, Baker in *Trimen, Journ.* 1876, 67.—*Trichonema longitubum*, Klatt in *Linnaea*, xxxiv. 665. Cape.
3. *S. FILIFOLIA*, Baker, loc. cit. Cape.

3. *ROMULEA*, Maratti.

Maratti Diss. 13 (anno 1772); *Tenore in Mem. Accad. Neap.* iii. 117, t. 7.—*Trichonema*, Ker in *Bot. Mag.* sub t. 575 (anno 1801); *Gen. Irid.* 79.—*Bulbocodium*, *Tournef.*; *Mill. Ic.* t. 240.—*Ixia* sp., *Linn. Sp. Plant.* edit. 2.—*Croci* sp., *Linn. Sp. Plant.* edit. 1.

Perianthium regulare erectum, tubo brevi infundibulari, segmentis oblongis subconformibus diu erectis imbricatis. Stamina 3, in tubo æquilateraliter inserta, segmentis breviora, filamentis liberis subulatis, antheris erectis linearibus sagittatis. *Ovarium* triloculare, ovulis in loculo plurimis horizontalibus; *stylus* filiformis ex tubo longe exsertus, ramis stigmatosis tribus falcatis brevibus emarginatis. *Capsula* oblonga chartacea loculicide trivalvis, seminibus globosis, testa membranacea nigro-castanea, albumine corneo, embryone recto axili. *Herbæ humiles bulbosæ, tunicis radicalibus crustaceis brunneis, foliis paucis teretibus persistentibus, pedunculis simplicibus vel parce corymbosis, spathæ unifloræ valvis duabus lanceolatis integris flore brevioribus, exteriori duro viridulo, interiori minore membranacea, floribus solitariis vel paucis magnitudine mediocribus lilacinis, luteis vel albidis segmentis dorso purpureo-brunneo striatis.*

I. Species mediterraneæ et montium Africæ tropicalis.

* *Grandifloræ.*

1. *R. BULBOCODIUM*, Seb. & Maur. *Fl. Rom.* 17; *Reich. Ic. Fl. Germ.* tab. 356. fig. 782-3; *Mogg. Cont. Ment.* t. 93 A.—*Ixia Bulbocodium*, *Linn. Sp. Plant.* 51, ex parte majore; *Jacq. Ic.* t. 271; *Bot. Mag.* t. 265.—*Trichonema Bulbocodium*, Ker in *König & Sims, Ann.* i. 223.—*T. collinum*, *Salisb. in Trans. Hort. Soc.* i. 317.—*Romulea uliginosa*, *Kunzem. Flora*, 1846, 690. *Regio mediterranea.*
 Var. *R. PULCHELLA*, *Jord. & Four. Brev.* ii. 106; *Ic.* tab. 107. fig. 163. *Italia.*
 Var. *R. SYRTICA*, *Jord. & Four. Brev.* i. 48; *Ic.* tab. 108. fig. 165. *Gallia meridionalis.*
 Var. *R. GRANDIFLORA*, *Todaro*; *Jord. & Four. Brev.* i. 49; *Ic.* tab. 108. fig. 164. *Sicilia.*

- Var. R. FLAVEOLA, *Jord. & Four. Brev.* ii. 106.—*Gallia australis*.
 Var. SUBPALUSTRE.—*Trichonema subpalustre*, *Herb. in Bot. Reg.* xxx. t. 40. fig. 1. *Turcia et insulæ Ionicae*.
 Var. PYLIUM.—*Trichonema pylium*, *Herb. in Bot. Reg.* xxx. t. 40. fig. 2. *Græcia*.
 Var. UMBELLATUM.—*Trichonema umbellatum*, *Klatt in Linnæa*, xxxiv. 670. *Marocco*.
 Var. R. CROCEA, *Bois. & Held, Diagn.* xiii. 18. *Syria*.
 Var. NIVALE.—*Trichonema nivale*, *Boiss. & Kotschy, Diagn.* ser. ii. 492. —*T. croceum*, *Klatt in Linnæa*, xxxiv. 669. *Syria*.
 2. R. CLUSIANA, *Baker*.—*Trichonema Clusianum*, *Lange, Pugill.* 75; *Ik. Plant. Nov. Hisp.* t. 34. *Hispania australis*.
 3. R. CROCIFOLIA, *Visiani, Fl. Dalm. Suppl.* 30, t. 2. *Dalmatia*.
 4. R. ELONGATA, *Baker*.—*Ixia elongata*, *Vahl, Enum.* ii. 51.—*Trichonema elongatum*, *Ker in Bot. Mag.* sub t. 1225. *Sardinia*.
 5. R. GRANDISCAPA, *J. Gay in Bourg. Pl. Canar. Exsic.* 1855, No. 1473.—*Trichonema grandiscapa*, *Webb, Phyt. Can.* iii. 312, t. 222.—? *R. Hartungii*, *Parl. in Walp. Ann.* vi. 49. *Insulæ Canarienses, Madeira*.

** *Purpurascens*.

 6. R. LIGUSTICA, *Parl. Fl. Ital.* iii. 249; *Mogg. Cont. Mentone*, t. 93, B, C. *Liguria*.
 7. R. ROLLII, *Parl. Fl. Ital.* iii. 251. *Roma*.
 8. R. RAMIFLORA, *Ten. Mem.* 113; *Mogg. Cont. Ment.* t. 92.—*Ixia ramiflora*, *Ten. Syll.* 25; *Fl. Neap.* tab. 203. fig. 3.—*Trichonema ramiflora*, *Sweet, Brit. Flow. Gard.* 596. *Regio mediterranea*.
 9. R. CORSICA, *Jord. et Four. Brev.* ii. 107. *Corsica*.
 10. R. NEGLECTA, *Jord. & Four. Brev.* ii. 107. *Sicilia?*
 11. R. PURPURASCENS, *Tenore, Mem.* 117; *Jord. & Four. Ic.* tab. 106. fig. 161.—*Ixia purpurascens*, *Ten. Fl. Neap.* i. 13. t. 3.—*Trichonema purpurascens*, *Sweet, Hort. Brit.* 503. *Regio mediterranea*.
 Var. ? EDULIS.—*Trichonema edule*, *Herb. in herb. Kew. Socotra et ad ripas Maris Rubri*.
 12. R. NUMIDICA, *Jord. et Four. Brev.* i. 49. *Algeria*.
 13. R. LINARESII, *Parl. Fl. Panorm.* i. 38; *Jord. & Four. Ic.* t. 107. fig. 162.—*Ixia Bulbocodium*, *Sibth. & Sm. Fl. Græc.* i. 26, t. 36.—*T. maritima*, *Sibth. in herb. Banks*.—*Trichonema Linaresii*, *Klatt in Linn.* xxxiv. 660. *Italia, Græcia, Asia Minor, Abyssinia?*

14. R. REQUIENII, *Parl. Fl. Ital.* iii. 248; *Jord. & Four. Ic.* t. 109. fig. 166.—*Trichonema Linaresii*, *Gren. & Godr. Fl. France*, iii. 238, excl. syn. *Corsica*.

*** *Parvifloræ.*

15. R. COLUMNÆ, *Seb. & Maur. Fl. Rom.* 18; *Reich. Ic. Germ.* tab. 356. fig. 784-5; *Mogg. Cont. Ment.* t. 91.—*Trichonema Columnæ*, *Reich. Fl. Excurs.* i. 83; *Eng. Bot.* edit. iii. t. 1492.—*Ixia parviflora*, *Salisb. Prod.* 14.—*T. minima*, *Ten. Syll.* 24.—*T. Bulbocodium*, *Smith, Eng. Bot.* t. 2549.—*T. Bulbocodium*, var. *parviflora*, *Vahl, Enum.* ii. 50.—*T. Bulbocodium*, var. *minima*, *Ten. Fl. Nap. Prodr.* 7. *Regio mediterranea, Anglia, Gallia, Insulæ Azoricæ.*

Var. R. MODESTA, *Jord. & Four. Ic.* t. 110. fig. 168. *Corsica*.

Var. R. SUBALBIDA, *Jord. & Four. Ic.* t. 110. fig. 169. *Corsica*.

16. R. REVELIERI, *Jord. & Four. Ic.* t. 109. fig. 167. *Corsica*.

17. R. CAMEROONIANA, *Baker in Trimen's Journ.* 1876, 236. *Montes Cameroon.*

II. Species capenses.

* *Luteæ.*

18. R. BULBOCODIODES, *Eckl. Verz. Top.* 19.—*Ixia bulbocodioides*, *Delaroche, Diss.* 19.—*I. recurva*, *Red. Lil.* t. 251. fig. 1.—*Trichonema recurvum*, *Spreng. Syst. Veg.* i. 149.—*T. recurvifolium*, *Poiret, Ency. Suppl.* iii. 201.—*Romulea recurva*, *Eckl. Verz. Top.* 20.—*R. chloroleuca*, *Eckl. Verz. Top.* 20, excl. syn.—*Trichonema caulescens*, *Ker in Bot. Mag.* t. 1392.—*T. hypoxidiflorum*, *Salisb. in Trans. Hort. Soc.* i. 316.—*Ixia flava*, *Lam. Ill.* i. 109.—*I. crocea et reflexa*, *Thunb. Fl. Cap.* edit. 2, 55. *C. B. Spei.*

19. R. SUBLUTEA, *Baker*.—*Ixia sublutea*, *Lam. Encyc.* iv. 335.—*Geissorhiza sublutea*, *Ker in K. & S. Ann.* i. 223.—*Ixia filifolia*, *Red. Lil.* t. 251. fig. 2.—*Trichonema filifolia*, *Poir. Ency. Suppl.* iii. 201. *C. B. Spei.*

20. R. FILIFOLIA, *Eckl. Verz. Top.* 20, excl. syn. *Red.*—*Trichonema filifolium*, *Klatt in Linn.* xxxiv. 671. *C. B. Spei.*

21. R. MACOWANI, *Baker in Trimen, Journ.* 1876, 236. *C. B. Spei.*

22. R. TORTUOSA, *Baker*.—*Trichonema tortuosa*, *Lichten. Reise*, iv 51.—*Ixia tortuosa*, *Licht. in Roem. & Schult. Syst.* i. 375. *C. B. Spei.*

** *Rubro-violacæ.*

23. R. ROSEA, *Eckl. Verz. Top.* 19.—*Ixia rosea*, *Murr. Syst. Veg.* xii

- 75.—*Trichonema roseum*, *Ker in Bot. Mag.* sub t. 575; *Bot. Mag.* t. 1225.—*Crocus capensis*, *Burm. Prodr.* 2, ex parte.—*R. vulgaris*, *Eckl. Verz. Top.* 18.—*Ixia radians*, *Thunb. Fl. Cap.* edit. 2, 54, ex parte.—*I. fugax*, *Horn. Hort. Hafn.* i. 50; *Mill. Ic.* 160, tab. 140. *C. B. Spei.*
- Var. *CELSII*, *Planch. in Flore des Serres*, t. 799. *C. B. Spei.*
24. *R. LONGIFOLIA*, *Baker*.—*Trichonema longifolium*, *Salisb. in Trans. Hort. Soc.* i. 316.—*T. cruciatum*, *Ker in B. M.* t. 575, excl. syn. *Jacq.* *C. B. Spei.*
25. *R. CRUCIATA*, *Baker*.—*Ixia cruciata*, *Jacq. Ic.* t. 290.—*Trichonema cruciatum*, *Ker in B. M.* t. 575, ex parte. *C. B. Spei.*
26. *R. PUDICA*, *Baker*.—*Ixia pudica*, *Soland. in hb. Banks.*; *Roem. & Schultes, Syst.* i. 377.—*Trichonema pudica*, *Ker in Bot. Mag.* sub t. 575. *C. B. Spei.*
27. *R. CUPREA*, *Baker in Trimen, Journ.* 1876, 236.—*Trichonema cupreum*, *Herb. Icon. inedit.* *C. B. Spei.*
28. *R. SPECIOSA*, *Baker*.—*Ixia Bulbocodium*, var. *speciosa*, *Andr. Bot. Rep.* t. 170.—*Trichonema speciosum*, *Ker in Kon. & Sims, Ann.* i. 223; *Bot. Mag.* t. 1476.—*R. tabularis*, *Echl. Verz. Top.* 19, teste *Klatt*.—*Ixia neglecta*, *Roem. & Schult. Syst. Veg.* i. *Suppl.* 279. *C. B. Spei.*
29. *R. HIRSUTA*, *Eckl. Verz. Top.* 19.—*Trichonema hirsuta*, *Klatt in Linnæa*, xxxiv. 665.—*Ixia campanulata*, *Lam. Ill.* i. 109, teste *Klatt.* *C. B. Spei.*
30. *R. BARBATA*, *Baker in Trimen, Journ.* 1876, 236.—*Trichonema barbatum*, *Herb. icon. inedit.* *C. B. Spei.*
31. *R. ARENARIA*, *Eckl. Verz. Top.* 18.—*Trichonema arenarium*, *Klatt in Linnæa*, xxxiv. 667.—*R. ramosa*, *Eckl. loc. cit.*, teste *Klatt.* *C. B. Spei.*
32. *R. DICHOTOMA*, *Baker*.—*Trichonema dichotomum*, *Klatt in Linnæa*, xxxiv. 666. *C. B. Spei.*
- *** *Chloroleuca.*
33. *R. CHLOROLEUCA*, *Baker, non Eckl.*—*Ixia chloroleuca*, *Jacq. Ic.* t. 272.—*I. ochroleuca*, *Vahl, Enum.* ii. 50.—*Trichonema ochroleucum*, *Ker, Ann.* i. 223.—*T. chloroleuca*, *Ker, Gen. Irid.* 82. *C. B. Spei.*
34. *R. SIMILIS*, *Eckl. Top. Verz.* 19. *C. B. Spei.*
35. *R. LATIFOLIA*, *Baker in Trimen, Journ.* 1876, 237.—*Trichonema latifolium*, *Herb. icon. inedit.* *C. B. Spei.*

36. *R. SPIRALIS*, Baker.—*Trichonema spirale*, Burch. Trav. i. 260. C. B. Spei.

4. IXIA, Linn.

Linn. Gen. No. 56, ex parte; *Ker in König et Sims, Ann.* i. 226, excl. sp.; *Gen. Irid.* 96, excl. sp.; *Klatt in Linnæa*, xxxiv. 635, excl. sp.—*Wuerthea*, *Regel. Gartenfl.* ii. t. 46.

Perianthium regulare subrotatum, tubo supra ovarium cylindrico collo haud ampliato, limbo e basi late campanulato, segmentis flore expanso subpatulis oblongis obtusis imbricatis. *Stamina* 3, ad faucem tubi æquilateraliter inserta, segmentis distincte breviora, filamentis erectis filiformibus liberis vel raro coalitis, antheris ligulatis luteis basifixis. *Ovarium* oblongum triloculare, ovulis in loculo plurimis horizontalibus; *stylus* filiformis, ex tubo protrusus, stigmatibus tribus brevibus falcatis subulatis. *Capsula* parva oblonga 6-sulcata ab apice loculicide trivalvis, seminibus confertis triquetris, testa membranacea atrocastanea, albumine corneo. *Herbæ bulbosæ caulescentes capenses, bulbi tunicis subtiliter fibrosis, foliis 3–6 basalibus graminoides flabellatis caule brevioribus, caulinis 2–3 similibus reductis, floribus copiose spicatis sæpe paniculatis speciosis albis vel versicoloribus fundo sæpe nigro suffusis, spathæ valvis duabus scariosis parvis imbricatis, exteriore oblongo tunicato apice leviter tricuspidato, interiore angustiore bidentato. Species plurimæ formis intermediis arcte connexæ.*

Subgenus I. EUIXIA. *Filamenta supra basin libera.*

* *Parvifloræ.*

1. *I. POLYSTACHYA*, Linn. *Sp. Plant.* 51; *Andr. Bot. Rep.* t. 155.—*I. erecta*, Berg. *Cap.* 5; *Bot. Mag.* t. 623.—*I. serotina*, Salisb. *Prodr.* 35; *Miller, Ic.* 104, tab. 155, fig. 2. C. B. Spei.
Var. *I. FLAVESCENS*, Eckl. *Verz. Top.* 26. C. B. Spei.
2. *I. FLEXUOSA*, Linn. *Sp. Plant.* 51; *Bot. Mag.* t. 624.—*I. polystachya*, Red. *Lil.* t. 136.—*I. capitata*, var. *stellata*, *Andr. Bot. Rep.* t. 232.—*I. erecta*, var. *violacea*, Thunb. *Diss.* No. 18.—*I. thyrsiflora*, Delaroché, *Diss.* 20.—*I. pallide-rosea*, Eckl. *Verz. Top.* 24; *Miller, Ic.* tab. 156, fig. 2. C. B. Spei.
3. *I. HYBRIDA*, Ker in König & Sims, *Ann.* i. 227.—*I. flexuosa*, Ker in *Bot. Mag.* t. 127, non Linn. C. B. Spei.
4. *I. MICRANDRA*, Baker in Trimen, *Journ.* 1876, 237. C. B. Spei.

**** *Grandifloræ immaculatæ.***

5. *I. ANEMONÆFLORA*, Jacq. *Ic. t. 273, non Red. Lil. t. 65.*—*Sparaxis anemonæflora*, Ker in *Konig & Sims, Ann. i. 225.*—*Geissorhiza anemonæflora*, Klatt in *Linn. xxxiv. 656, ex parte. C. B. Spei.*
6. *I. LEUCANTHA*, Jacq. *Ic. t. 278.*—*I. patens*, var. *leucantha*, Ker, *Gen. Irid. 98.*—*I. candida*, DC. in *Red. Lil. t. 426. C. B. Spei.*
7. *I. FUCATA*, Ker in *Bot. Mag. t. 1379. C. B. Spei.*
8. *I. ARISTATA*, Thunb. *Diss. No. 15; Ker in Bot. Mag. t. 589. C. B. Spei.*
9. *I. LUTEA*, Baker.—*I. erecta*, var. *lutea*, *Bot. Mag. t. 846.*—*I. erecta*, Jacq. *Hort. Schæn. t. 18. C. B. Spei.*
10. *I. FRAGRANS*, Jacq. *Ic. t. 274.*—*Sparaxis fragrans*, Ker in *Konig & Sims, Ann. i. 274. C. B. Spei.*
11. *I. CAMPANULATA*, Houtt. *Handl. xii. 42, t. 78. fig. 4. C. B. Spei.*
12. *I. PATENS*, Soland. in *Ait. Hort. Kew. i. 59; Ker in Bot. Mag. t. 522; Red. Lil. t. 140.*—*I. filiformis*, Vent. *Hort. Cels. t. 48; Red. Lil. t. 30.*—*I. aristata*, Schneer, *Ic. t. 37.*—*I. flaccida*, Salisb. *Prodr. 37.*—*I. coccinea*, Thunb. *Fl. Cap. i. 241, ex parte. C. B. Spei.*
13. *I. SPECIOSA*, Andr. *Bot. Rep. t. 126.*—*I. crateroides*, Ker in *Bot. Mag. t. 594.*—*I. coccinea*, Thunb. *Fl. Cap. i. 241, ex parte.*—*I. patens*, var. *kermesina*, Regel, *Gartenfl. t. 356.*—*I. pulcherrima*, Eckl. *Verz. Top. 24. C. B. Spei.*

***** *Grandifloræ maculatæ.***

14. *I. MACULATA*, Linn. *Sp. Plant. 1664; Jacq. Hort. Schæn. t. 21 (formæ permultæ).*—*I. Milleri*, Berg. *Fl. Cap. 8.*—*I. abbreviata*, Houtt. *Handl. xii. t. 78. fig. 3.*—*I. conica*, Salisb. *Prodr. 36; Red. Lil. t. 138; Ker in Bot. Mag. t. 539.*—*I. dubia*, Vent. *Choix, t. 10; Red. Lil. t. 64.*—*I. capitata*, Andr. *Bot. Rep. t. 50; Miller, Ic. tab. 156. fig. 1. C. B. Spei.*
- Var. *I. FUSCO-CITRINA*, Red. *Lil. t. 86. C. B. Spei.*
- Var. *OCHROLEUCA*, Ker in *Bot. Mag. t. 1285.*—*Ixia ochroleuca*, Sweet, *Hort. Brit. edit. ii. 502.*—*I. capitata*, var., Andr. *Bot. Rep. t. 159.*—*I. albo-flavens*, Eckl. *Verz. Top. 27. C. B. Spei.*
15. *I. COLUMELLARIS*, Ker in *Bot. Mag. t. 630.*—*I. maculata*, var., Andr. *Bot. Rep. t. 256; Jacq. Hort. Schæn. t. 19, 20, 22 (formæ permultæ).*—*Wuerthia elegans*, Regel, *Gartenfl. t. 46. C. B. Spei.*
- Var. *RHODOLARYNX*, Baker.—*I. columnaris*, var. *angustifolia*, Andr. *Bot. Rep. t. 392. C. B. Spei.*

Var. RUBRO-CÆRULEA, *Baker. C. B. Spei.*

Var. RUBRO-LILACINA, *Baker. C. B. Spei.*

16. I. VIRIDIFLORA, *Lam. Ency.* iii. 340; *Red. Lil.* t. 466; *Lodd. Bot. Cab.* t. 1548.—I. *viridis*, *Thunb. Fl. Cap.* 62.—I. *maculata*, *Thunb. Diss.* No. 19, ex parte.—I. *maculata*, var. *viridis*, *Jacq. Hort. Schæn.* t. 23; *Ker in Bot. Mag.* t. 549.—I. *spicata*, var. *viridi-nigra*, *Andr. Bot. Rep.* t. 29.—I. *spectabilis*, *Salisb. Prodr.* 35.—I. *pulchra*, *Salisb. in Trans. Hort. Soc.* i. 320.—I. *prasina*, *Soland. in Herb. Banks. C. B. Spei.*

Var. I. CANA, *Eckl. Verz. Top.* 26.—I. *maculata*, var. *amethystina*, *Ker in Bot. Mag.* t. 789. *C. B. Spei.*

Var. CÆSIA.—I. *maculata*, var. *cæsia*, *Bot. Rep.* t. 530. *C. B. Spei.*

Subgenus II. EURYDICE, *Pers. Syn.* i. 48. *Filamenta prorsus coalita.*

17. I. MONADELPHA, *Delar. Diss.* 22; *Ker in Bot. Mag.* t. 607.—I. *columnaris*, *Salisb. Prodr.* 36; *Andr. Bot. Rep.* t. 203, 213, 250 (formæ variae, posterior I. *grandiflora*, *Pers. Syn.* i. 48).—*Galaxia ixiaeflora*, *Red. Lil.* t. 41 (*G. ramosa*, in textu). *C. B. Spei.*

18. I. CURTA, *Andr. Bot. Rep.* t. 564.—I. *monadelphæ*, var. *curta*, *Ker in Bot. Mag.* t. 1378.—I. *columnaris*, var. *versicolor*, *Andr. Bot. Rep.* t. 211.—I. *vitellina*, *lutea*, et *pallide-flavens*, *Eckl. Topog. Verz.* 24, 25, teste *Klatt. C. B. Spei.*

5. STREPTANTHERA, *Sweet.*

Sweet, Brit. Flow. Gard. t. 209.

Perianthium regulare, tubo brevi cylindrico apice dilatato, limbo late campanulato segmentis conformibus obovato-cuneatis flore expanso patulis. *Stamina* 3, ad faucem tubi æquilateraliter inserta, limbo duplo breviora, filamentis brevibus applanatis erectis, antheris oblongis basi profunde sagittatis. *Ovarium* trilobulare, ovulis in lobulo plurimis; *stylus* filiformis ex tubo protrusus, stigmatibus parvis obovatis emarginatis. *Capsula* parva membranacea loculicide trivalvis, seminibus lævibus globosis. *Herbæ Capenses bulbosæ, bulbi tunicis fibrosis, foliis brevibus linearibus flabellato-distichis, spicis paucifloris, spathæ valvis duabus latis membranaceis brunneo punctatis et lineolatis apice dentatis tubo longioribus.*

1. S. ELEGANS, *Sweet, Brit. Flow. Gard.* t. 209; *Lodd. Bot. Cab.* t. 1359. *C. B. Spei.*

2. *S. CUPREA*, *Sweet, Hort. Brit.* edit. 2, 501; *Brit. Flow. Gard.* ser. ii. t. 122; *Pact. Mag.* i. 8, *cum icone*.—*Sparaxis cuprea*, *Klatt in Linnæa*, xxxv. 378. *C. B. Spei.*

6. *GEISSORHIZA*, *Ker.*

Ker in Bot. Mag. sub t. 672; *Gen. Irid.* 83; *Klatt in Linnæa*, xxxiv. 650.—*Rochea*, *Salisb. in Trans. Hort. Soc.* i. 322 (nomen).—*Weihea*, *Ecklon, Top. Verz.* 22 (nomen).—*Ixia* sp., *Thunb. etc.*

Perianthium regulare infundibulare, tubo brevi cylindrico sursum vix ampliato spatha plerumque vix brevior, segmentis 6 oblongis conformibus diu ascendentibus. *Stamina* 3, ad faucem tubi æquilateraliter inserta, filamentis brevibus subulatis, antheris oblongis basifixis. *Ovarium* sessile triloculare, ovulis in loculo pluribus horizontalibus; *stylus* filiformis erectus ex tubo protrusus, ramis stigmatosis parvis falcatis clavatis integris. *Cap-sula* parva, oblonga, chartacea, loculicide trivalvis, seminibus globosis, testa membranacea brunnea, albumine carneo. *Herbæ bulbosæ*, *bulbi parvi tunicis brunneis duris sæpe e basi in segmenta linearia multiseriatim imbricata sectis, foliis sæpe tribus angustis superpositis, superiore basi dilatata caulem amplexente, floribus paucis in spicas secundas dispositis, spathe valvis oblongis integris viridibus vel apice scariosis tubum perianthii prorsus involventibus.*

Sect. I. *ROCHEA*. *Tubus perianthii ex spatha haud exsertus.*

* *Triphyllæ parvifloræ.*

1. *G. HUMILIS*, *Ker in König & Sims, Ann.* i. 223.—*Ixia humilis*, *Thunb. Diss.* No. 4.—*G. setacea* β , *Ker in Bot. Mag.* t. 1255.—*G. Brehmii*, *Eckl. Top. Verz.* 21; *Klatt in Linnæa*, xxxiv. 653.—*G. aurea*, *Eckl. Top. Verz.* 21, teste *Klatt*. *C. B. Spei.*
2. *G. JUNCEA*, *Link, Unio, Itin.* No. 314.—*Ixia juncea*, *Link, Enum.* 50. *C. B. Spei.*
3. *G. PURPUREO-LUTEA*, *Baker in Trimen, Journ.* 1876, 238. *C. B. Spei.*
4. *G. ERECTA*, *Baker in Trimen, Journ.* 1876, 238. *C. B. Spei.*
5. *G. SECUNDA*, *Ker in König & Sims, Ann.* i. 223.—*Ixia secunda*, *Delaroché, Descr.* 17; *Bot. Mag.* t. 597, non *Houttuyn*.—*I. pusilla*, *Andr. Bot. Rep.* t. 245.—*I. scillaris*, *Thunb. Diss.* No. 14.—*G. imbricata*, *E. Meyer in Herb. Drege.* *C. B. Spei.*

- Var. G. RAMOSA, *Klatt in Linn.* xxxiv. 657.—*Ixia ramosa*, *Ker in Bot. Mag.* sub t. 549. C. B. *Spei*.
- Var. G. SETIFOLIA, *Eckl. Topog. Verz.* 22. C. B. *Spei*.
6. G. HIRTA, *Ker in König & Sims, Ann.* i. 223.—*Ixia hirta*, *Thunb. Diss.* No. 6. C. B. *Spei*.
7. G. FILIFOLIA, *Baker in Trimen, Journ.* 1876, 238. C. B. *Spei*.
8. G. WRIGHTII, *Baker in Trimen, Journ.* 1876, 238. C. B. *Spei*.

** *Triphyllæ grandifloræ.*

9. G. FURVA, *Ker in König & Sims, Ann.* i. 224.—*Ixia furva*, *Soland. in Herb. Banks.* C. B. *Spei*.
10. G. ROCHENSIS, *Ker in König & Sims, Ann.* i. 223.—*Ixia Rochensis*, *Ker in Bot. Mag.* t. 598.—*I. radians*, *Thunb. Fl. Cap.* i. 217, ex parte.—*I. monanthos*, *Thunb. Fl. Cap.* edit. 2, 57.—*Geissorhiza Rocheana et monantha*, *Sweet, Hort. Brit.* edit. 2, 503.—*G. setacea a*, *Ker in Bot. Mag.* sub t. 1255.—*G. secunda*, *Houtt. Handl.* xii. t. 78. fig. 1, non *Delarochæ*.—*Rochea venusta*, *Salisb. in Trans. Hort. Soc.* i. 322. C. B. *Spei*.
11. G. CILIARIS, *Salisb. in Trans. Hort. Soc.* i. 321.—*G. quinquangularis*, *Ecklon in Unio, Itin.* No. 312; *Klatt in Linnæa*, xxxiv. 654.—*G. rosea*, *Eckl. Top. Verz.* 20.—*Hesperantha quinquangularis*, *Eckl. Top. Verz.* 23. C. B. *Spei*.
12. G. IMBRICATA, *Ker in König & Sims, Ann.* i. 224.—*Ixia imbricata*, *Delarochæ, Diss.* 17.—*G. arenaria*, *Eckl. Top. Verz.* 21. C. B. *Spei*.
13. G. INFLEXA, *Ker in König & Sims, Ann.* i. 223.—*Ixia inflexa*, *Delarochæ, Diss.* 15.—*G. vaginata*, *Sweet, Brit. Flow. Gard.* t. 138. C. B. *Spei*.
14. G. LATIFOLIA, *Baker*.—*Ixia latifolia*, *Delarochæ, Diss.* No. 22. C. B. *Spei*.
15. G. OBTUSATA, *Ker in Bot. Mag.* t. 672.—*Ixia obtusata*, *Soland. in Herb. Banks.*—*I. geminata*, *Vahl, Enum.* ii. 68. C. B. *Spei*.

*** *Polyphyllæ.*

16. G. ORNITHOGALOIDES, *Klatt in Linn.* xxxiv. 656.—*G. romuleoides*, *Eckl. Top. Verz.* 21. C. B. *Spei*.
17. G. BOJERI, *Baker in Trimen, Journ.* 1876, 239. *Madagascar*.
18. G. ALPINA, *Hook. fil. in Journ. Linn. Soc.* vii. 223. *Montes Cameroen*.

19. G. SETACEA, *Baker, non Ker.*—*Ixia setacea*, *Thunb. Diss.* No. 13.
—*G. tabularis*, *Eckl. MS.*—*G. recurvifolia*, *Klatt in Linn. xxxiv.*
655, excl. syn. Red. C. B. Spei.
20. G. GEMINATA, *E. Meyer in Herb. Drege. C. B. Spei.*
21. G. QUADRANGULA, *Ker, Gen. Irid. 88.*—*Ixia quadrangula*, *Dela-*
roche, Diss. 16. C. B. Spei.
22. G. LUTEA, *Eckl. Top. Verz. 21. C. B. Spei.*
23. G. FOLIOSA, *Klatt in Linnæa, xxxiv. 658. C. B. Spei.*
24. G. GRANDIS, *Hook. fil. in Bot. Mag. t. 5877. C. B. Spei.*

Sect. II. WEIHEA. *Tubus perianthii ex spatha distincte exsertus.*

25. G. MINIMA, *Baker in Trimen, Journ. 1876, 239. C. B. Spei.*
26. G. EXCISA, *Ker in König & Sims, Ann. i. 223.*—*Ixia excisa*, *Thunb.*
Diss. No. 24, tab. 1. fig. 4; Bot. Mag. t. 584.—*Weihea excisa*,
Eckl. Top. Verz. 22.—*Ixia ovata*, *Burm. Prodr. Cap. 1 (anno 1768).*
C. B. Spei.

7. HESPERANTHA, *Ker.*

Ker in König et Sims, Ann. i. 224.—*Ixiæ* sp. *Thunb., etc.*

Perianthium regulare infundibulare, tubo cylindrico recto vel curvato, limbi segmentis conformibus oblongis vel obovatis. *Stamina* 3, ad faucem tubi æquilateraliter inserta, filamentis brevibus subulatis, antheris magnis ligulatis limbo brevioribus. *Ovarium* triloculare, ovulis in loculo crebris; *stylus* filiformis ex tubo vix vel haud exsertus, stigmatibus tribus integris subulatis. *Capsula* parva oblonga membranacea loculicide trivalvis, seminibus crebris triquetris, testa membranacea brunnea, albumine corneo. *Herbæ bulbosæ, bulbi basi planis, tunicis multis brunneis basi circumscissis, sæpe e basi in segmenta lanceolata imbricata sectis, foliis angustis planis graminoides, floribus spicatis sæpe vespertinis, spathæ valvis duabus oblongis integris viridibus tubum involventibus. Ad Geissorhizam arcte accedit; præsertim differt antheris magnis, stylo incluso, stigmatibus magnis subulatis.*

* *Perianthii tubus rectus.*

1. H. HUMILIS, *Baker in Trimen, Journ. 1876, 239. C. B. Spei.*
2. H. CINNAMOMEA, *Ker in König & Sims, Ann. i. 225; Bot. Mag. t.*
1054.—*Ixia cinnamomea*, *Thunb. Diss. No. 9, tab. 2, non Andrews.*
C. B. Spei.
3. H. PILOSA, *Ker in König & Sims, Ann. i. 225; Bot. Mag. t. 1475.*
—*Ixia pilosa*, *Thunb. Diss. No. 5. C. B. Spei.*
4. H. GRAMINIFOLIA, *Sweet, Hort. Brit. edit. 2, 503.*—*H. pilosa*, var.
nuda, *Ker in Bot. Mag. t. 1254. C. B. Spei.*

5. *H. FALCATA*, *Ker in König & Sims, Ann.* i. 224.—*Ixia falcata*, *Thunb. Diss.* No. 23, tab. 1; *Jacq. Ic.* t. 276; *Bot. Mag.* t. 566.—*I. cinnamomea*, *Andr. Bot. Rep.* t. 44, non *Thunb.* *C. B. Spei.*
6. *H. PETITIANA*, *Baker.*—*Ixia Petitiana*, *A. Rich. Fl. Abyss.* ii. 309.—*Geissorhiza abyssinica*, *Klatt in Linnæa*, xxxiv. 716, non *R. Br. Abyssinia.*
Var. H. UNIFLORA, *Hochst. in Schimp. Pl. Abyss.* no. 1239.—*Ixia Hochstetteriana*, *A. Rich. Fl. Abyss.* ii. 309. *Abyssinia.*
7. *H. LONGITUBA*, *Baker.*—*Geissorhiza longituba*, *Klatt in Linnæa*, xxxv. 383.—*Ixia acuta*, *Lichten. in Roem. & Schult. Syst. Veg.* i. 383? —*Hesperantha acuta*, *Ker, Gen. Irid.* 91? *C. B. Spei.*
8. *H. RUBELLA*, *Baker in Trimen, Journ.* 1876, 239. *C. B. Spei.*
9. *H. BAURII*, *Baker in Trimen, Journ.* 1876, 182. *Kaffraria.*

** *Perianthii tubus decurvatus.*

10. *H. RADIATA*, *Ker in König & Sims, Ann.* i. 224.—*Ixia radiata*, *Jacq. Ic.* t. 280; *Ker in Bot. Mag.* t. 573; *Red. Lil.* t. 441.—*I. fistulosa*, *Andr. Bot. Rep.* t. 59.—*Gladiolus recurvatus*, *Thunb. Diss.* No. 3.—*Ixia recurva*, *Vahl, Enum.* ii. 58. *C. B. Spei.*
Var. CARICINA, *Ker in Bot. Mag.* sub t. 573; *Bot. Mag.* t. 790.—*Hesperantha setacea*, *Eckl. Top. Verz.* 22. *C. B. Spei.*
11. *H. ANGUSTA*, *Ker in König & Sims, Ann.* i. 225.—*Ixia angusta*, *Willd. Sp. Plant.* i. 202.—*I. radiata*, var. *angusta*, *Ker in Bot. Mag.* sub t. 573.—*I. linearis*, *Jacq. Ic.* t. 279, non *Thunb.*—*Hesperantha virginea*, *Ker in König & Sims, Ann.* i. 224.—*Ixia virginea*, *Soland. in Herb. Banks.* *C. B. Spei.*
12. *H. BULBIFERA*, *Baker in Trimen, Journ.* 1876, 182. *C. B. Spei.*

8. MORPHIXIA, *Ker.*

Ker, Gen. Irid. 105.—*Hyalis*, *Salisb. in Trans. Hort. Soc.* i. 317 (*nomen*).—*Ixiæ* sp., *Delaroche etc.*

Perianthium regulare, tubo recto brevi vel elongato cylindrico, collo turbinato, segmentis æqualibus anguste oblongis obtusis flore expanso subpatulis. Stamina 3 in parte dilatata tubi æquilateraliter inserta, filamentis brevibus rectis filiformibus, antheris basifixis oblongis. Ovarium triloculare, ovulis in loculo plurimis horizontalibus; stylus filiformis ex tubo sæpe protrusus, stigmatibus tribus brevibus falcatis clavatis integris. Capsula parva oblonga chartacea 6-sulcata, seminibus crebris triquetris, testa atro-castanea, albumine corneo. *Herbæ bulbosæ Capenses,*

bulbi tunicis membranaceis, foliis paucis graminoides caule brevioribus, floribus spicatis sæpe paniculatis, spathæ valvis duabus parvis membranaceis, exteriori tricuspidata, interiori angustiore bicuspidata.

* *Brevicolles.*

1. *M. CAPILLARIS*, Ker, *Gen. Irid.* 106.—*Ixia capillaris*, Thunb. *Diss.* No. 12, t. 2, fig. 2; Ker in *Bot. Mag.* t. 617.—*I. rapunculoides*, Red. *Lil.* t. 431.—*I. striata*, Vahl, *Enum.* ii. 65.—*Hyalis latifolia*, Salisb. in *Trans. Hort. Soc.* i. 317. C. B. Spei.

Var. *INCARNATA*.—*Ixia incarnata*, Jacq. *Ic.* t. 282.—*Morphixia incarnata*, Ker, *Gen. Irid.* 107.—*I. capillaris*, var. *incarnata*, Ker in *Bot. Mag.* sub t. 570. C. B. Spei.

Var. *LANCEA*.—*Ixia lancea*, Jacq. *Ic.* t. 281.—*Hyalis marginifolia*, Salisb. in *Trans. Hort. Soc.* i. 318. C. B. Spei.

2. *M. LINEARIS*, Ker, *Gen. Irid.* 106.—*Ixia linearis*, Thunb. *Diss.* No. 11.—*I. capillaris*, var. *gracillima*, Ker, in *Bot. Mag.* t. 570.—*Hyalis gracilis*, Salisb. in *Trans. Hort. Soc.* i. 517.—*I. tenuifolia*, Vahl, *Enum.* ii. 62. C. B. Spei.

3. *M. AULICA*, Ker, *Gen. Irid.* 107.—*I. aulica*, Soland. in *Ait. Hort. Kew.* i. 57.—*I. capillaris*, var. *aulica*, Ker, in *Bot. Mag.* t. 1013.—*Hyalis aulica*, Salisb. in *Trans. Hort. Soc.* i. 318.—*I. phlogiflora*, Red. *Lil.* t. 432. C. B. Spei.

4. *M. ODORATA*, Baker.—*Ixia odorata*, Ker, *Gen. Irid.* 101.—*I. erecta*, var. *lutea odorata*, Ker in *Bot. Mag.* t. 1173.—*I. erecta*, Jacq. *Hort. Schœn.* t. 18, fig. minor. C. B. Spei.

5. *M. TRICHORHIZA*, Baker in Trimen, *Journ.* 1876, 237. *Natal.*

** *Longicolles.*

6. *M. PANICULATA*, Baker, *Fl. Maur.* 365.—*Ixia paniculata*, Delaroché, *Diss.* 26, t. 1.—*I. longiflora*, Berg. *Pl. Cap.* 7; *Bot. Mag.* t. 256; Red. *Lil.* t. 256.—*Gladiolus longiflorus*, Thunb. *Diss.* No. 22; Jacq. *Coll.* v. 23, t. 7.—*Tritonia longiflora*, Ker in König & Sims, *Ann.* i. 228; *Bot. Mag.* t. 1502, fig. dextra.—*Hyalis longiflora*, Salisb. in *Trans. Hort. Soc.* i. 318.—*Freesea longiflora*, Eckl. *Top. Verz.* 30.—*Gladiolus ixioides*, Thunb. *Fl. Cap.* edit. 2, 52. C. B. Spei.

Var. *TENUIFLORA*.—*Tritonia tenuiflora*, Ker in *Bot. Mag.* sub t. 1275.—*Ixia tenuiflora*, Vahl, *Enum.* ii. 266.—*Gladiolus longiflorus*, Jacq. *Ic.* t. 263.—*Tritonia longiflora*, var., Ker in *Bot. Mag.* t. 1502, fig. sinistra.—*T. concolor*, Sweet, *Brit. Flow. Gard.* edit. ii. 502. C. B. Spei.

Var. *ROCHENSIS*.—*Tritonia rochensis*, Ker, *Bot. Mag.* t. 1503, excl. syn. C. B. Spei.

7. *M. COOPERI*, *Baker in Trimen, Journ.* 1876, 237. *C. B. Spei.*
8. *M. NERVOSA*, *Baker in Trimen, Journ.* 1876, 237. *C. B. Spei.*
9. *M. JUNCIFOLIA*, *Baker in Trimen, Journ.* 1876, 238. *C. B. Spei.*

9. SPARAXIS, *Ker.*

Ker in König & Sims, Ann. i. 225, excl. sp.; *Gen. Irid.* 91, excl. sp.; *Klatt in Linnæa*, xxxii. 747.—*Ixiæ* sp. *Linn. etc.*

Perianthium regulare, infundibulare, tubo erecto brevi dimidio inferiore cylindrico, dimidio superiore conico, segmentis oblongis obtusis æqualibus diu ascendentibus. *Stamina* 3 prope medium tubi æquilateraliter inserta, filamentis brevibus filiformibus, antheris magnis ligulatis basifixis. *Ovarium* 3-loculare, ovulis in loculo crebris horizontalibus; stylus filiformis, ex tubo protrusus, stigmatibus tribus magnis falcatis subulatis integris. *Capsula* parva, membranacea, oblongo-globosa, loculicide tri-valvis, seminibus crebris triquetris, testa membranacea atro-castanea, albumine corneo. *Herbæ bulbosæ capenses, bulbi tunicis permultis subtiliter fibroso-reticulatis, foliis plurimis radicalibus linearibus flabellato-distichis caule brevioribus, caule brevi foliis 1-2 similibus reductis prædito, spicis paucifloris raro paniculatis, floribus speciosis versicoloribus, spathæ valvis duabus membranaceis brunneo lineatis et punctatis, ab apice profunde fimbriatis, dentibus lineari-subulatis brunneis, exteriore latissima tubum amplexente, interiore angustiore lanceolata.*

1. *S. BULBIFERA*, *Ker in König & Sims, Ann.* i. 226.—*Ixia bulbifera*, *Linn. Sp. Plant.* ii. 51; *Ker in Bot. Mag.* t. 545; *Red. Lil.* t. 128; *Andr. Rep.* t. 48.—*I. bulbifera*, var. *flava*, *Thunb. Diss.* no. 16.—*I. anemonæflora*, *Red. Lil.* t. 85; *Miller, Ic.* 158, tab. 286. fig. 2. *C. B. Spei.*
2. *S. GRANDIFLORA*, *Ker in König & Sims, Ann.* i. 225; *Bot. Mag.* t. 779; *Bot. Reg.* t. 258.—*Ixia grandiflora*, *Delar. Diss.* 23; *Houtt. Handl.* xii. 37, tab. 77. fig. 3; *Ker in Bot. Mag.* t. 541; *Red. Lil.* tab. 179, 362.—*I. bulbifera*, *Thunb. Diss.* No. 16, ex parte.—*I. aristata*, *Soland. in Ait. Hort. Kew.* i. 57; *Andr. Bot. Rep.* t. 87, non *Thunb.*—*I. holosericea*, *Jacq. Hort. Schoen.* i. 9, t. 17.—*I. monanthos*, *Delar. Diss.* 24, non *Thunb.*—*I. uniflora*, *Linn. Mant.* 27; *Jacq. Ic.* t. 283.—*S. fimbriata*, *Ker in König & Sims, Ann.* i. 226.—*Ixia fimbriata*, *Lam. Ency.* iii. 339.—*Belemcauda semiflexuosa*, *Moench. Meth. Suppl.* 214.—*S. lacera*, *Ker in König & Sims, Ann.* i. 226. *C. B. Spei.*

- Var. S. *LILIAGO*, *Sweet, Hort. Brit.* edit. 2, 501.—*S. grandiflora*, var. *Liliago*, *Bot. Reg.* t. 258.—*Ixia Liliago*, *Red. Lil.* t. 109. *C. B. Spei.*
- Var. S. *STELLARIS*, *D. Don in Sweet, Brit. Flow. Gard.* ser. ii. t. 383, *C. B. Spei.*
- Var. S. *LINEATA*, *Sweet, Brit. Flow. Gard.* ser. ii. t. 131. *C. B. Spei.*
3. S. *TRICOLOR*, *Ker in König & Sims, Ann.* i. 225; *Ker in Bot. Mag.* t. 1482.—*Ixia tricolor*, *Curt. Bot. Mag.* t. 381; *Schneev. Ic.* t. 39; *Red. Lil.* t. 129. *C. B. Spei.*
- Var. S. *VERSICOLOR*, *Sweet, Brit. Flow. Gard.* t. 160. *C. B. Spei.*
- Var. S. *GRIFFINI*, *Sweet, Hort. Brit.* edit. ii. 501.—*S. tricolor*, var. *violaceo-purpurea*, *Ker in Bot. Mag.* t. 1482. fig. inf. *C. B. Spei.*
- Var. S. *BLANDA*, *Sweet, Hort. Brit.* edit. ii. 501.—*S. tricolor*, var. *subroseo-albida*, *Ker in Bot. Mag.* t. 1482. fig. med.

10. *DIERAMA*, *K. Koch.*

K. Koch in Walp. Ann. vi. 42; *Klatt in Linnæa*, xxxii. 751 (*Dierama*).—*Sparaxis* sp., *Ker*.—*Ixiæ* sp., *Thunb.*

Perianthium regulare infundibulare, tubo brevi e basi ad apicem sensim ampliato, segmentis oblongis obtusis conformibus diu ascendentibus. *Stamina* 3, in tubo æquilateraliter inserta, limbo distincte breviora, filamentis filiformibus, antheris ligulatis basifixis. *Ovarium* triloculare, ovulis in loculo pluribus; stylus filiformis rectus, ex tubo protrusus, ramis stigmatosis tribus falcatis brevibus clavatis integris. *Capsula* parva globoso-turbinata, membranacea, seminibus in loculo circiter 6 triquetris, testa brunnea, albumine corneo. *Herbæ bulbosæ, bulbi magni tunicis permultis apice setiferis in fibras parallelas solutis, foliis radicalibus multis longis duris anguste ensiformibus, caule longissimo gracili, spicis laxè paniculatis ramis capillaribus, floribus concoloribus, spathæ valvis magnis oblongo-lanceolatis membranaceis pallidis eroso-laceris.*

1. *D. PENDULA*, *Baker*.—*Ixia pendula*, *Thunb. Diss.* no. 16.—*Sparaxis pendula*, *Ker in Bot. Mag.* sub t. 1482; *Bot. Reg.* t. 1360.—*Dierama ensifolium*, *K. Koch & Bouché in Walp. Ann.* vi. 43.—*Watsonia palustris*, *Pers. Syn.* i. 45. *C. B. Spei et Natalia.*
2. *D. PULCHERRIMA*, *Baker*.—*Sparaxis pulcherrima*, *Hook. fil. in Bot. Mag.* t. 5555.—*S. atropurpurea*, *Hort.*—*C. B. Spei et Transvaal.*

11. *HEXAGLOTTIS*, *Vent.*

Vent. Dec. No. 3.—*Morææ et Ixiæ* sp. auct.

Perianthium regulare rotatum flavum, tubo supra ovarium brevi

recto filiformi, segmentis 6 oblongo-ligulatis flore expanso patulis post anthesin spiraliter tortis. *Stamina* 3, ad faucem tubi æquilateraliter inserta, limbo multo breviora, filamentis subulatis, antheris oblongis spiraliter tortis, connectivo angusto. *Ovarium* cylindricum 6-sulcatum triloculare, ovulis in loculo crebris horizontalibus; stylus ex tubo haud exsertus, stigmatibus 6 subulatis patulis antheris æquilongis. *Capsula* nigra crustacea cylindrica operculata, apice loculicide trivalvis, seminibus minutis angulatis, testa nigra. *Herbæ bulbosæ Capenses, tunicis e basi in segmenta linearia nigra sectis, apice setosis, foliis duobus angustis duris persistentibus, spathis cylindricis multifloris in spicas elongatas dispositis, valvis duris linearibus acutis, pedicellis ex spatha protrusis, floribus successivis fugacibus.*

1. *H. LONGIFOLIA*, *Vent. Decad.* 6.—*Ixia longifolia*, *Jacq. Hort. Vind.* iii. 47, t. 90 (1776).—*Moræa flexuosa*, *Linn. fil. Suppl.* 100; *Ker in Bot. Mag.* t. 695.—*Sisyrinchium flexuosum*, *Spreng. Syst. Veg.* i. 167.—*Hexaglottis flexuosa*, *Sweet, Hort. Brit.* edit. ii. 498.—*Homeria flexuosa*, *Baker in Ref. Bot.* t. 24.—*Moræa longifolia*, *Pers. Syn.* i. 49. *C. B. Spei.*
2. *H. VIRGATA*, *Sweet, Hort. Brit.* edit. 2, 498.—*Moræa virgata*, *Jacq. Ic.* t. 228.—*Ixia virgata*, *Willd. Sp. Plant.* i. 202. *C. B. Spei.*

12. ELEUTHERINE, *Herbert.*

Herb. in Bot. Reg. xxix. sub t. 57.—*Galatea*, *Salisb. in Trans. Hort. Soc.* i. 310 (nomen).

Perianthium regulare rotatum album, tubo supra ovarium nullo, segmentis 6 obovatis flore expanso patulis, interioribus paulo minoribus. *Stamina* 3 vel 6 epigyna limbo breviora, filamentis erectis brevissimis subulatis, antheris ligulatis basifixis. *Ovarium* clavatum triloculare, ovulis in loculo plurimis crebris horizontalibus; stylus brevissimus triqueter, stigmatibus tribus erectis subulatis integris. *Capsula* cylindrica 6-sulcata cartilaginea operculata ex apice loculicide trivalvis, seminibus globosis, testa brunnea, albumine corneo. *Herbæ bulbosæ americanæ, tunicis multis membranaceis castaneis, foliis paucis petiolatis latis plicis multis, caule elongato apice florifero geniculato, spathis paucis oblongis pedunculatis multifloris, valvis multis scariosis viridibus arcte imbricatis, pedicellis spatha brevioribus, floribus fugitivis successivis.*

1. *E. PLICATA*, *Herb. loc. cit.*—*Moræa plicata*, *Swartz, Fl. Ind. Occ.* 82.

—*Marica plicata*, Ker in Bot. Mag. t. 655.—*Galatea plicata*, Salisb. loc. cit.—*Cipura plicata*, Griseb. Flor. Brit. West Ind. 589.—*Sisyrinchium palmifolium*, Linn. herb. ex parte; Cav. Diss. vi. 348, t. 19. fig. 1; Red. Lil. t. 352.—*Moræa palmifolia*, Jacq. Ic. t. 227.—*Ixia americana*, Aublet, Guian. i. 33.—*Ferraria parviflora*, Salisb. Prodr. 43.—*Sisyrinchium latifolium*, Swartz, Prodr. 17.—*S. bulbosum*, Miller, Dict. No. 3. *America tropicalis*.

2. *E. ANOMALA*, Herb. loc. cit. *America tropicalis*.

13. CALYDOREA, Herbert.

Herb. in Bot. Reg. 1843, Misc. 85.—*Botherbe*, "Steud.," Klatt in *Linnæa*, xxxi. 562.—*Roterbe*, Klatt in *Flor. Bras.* iii. 543, tab. 71. fig. 4, non Steud.—*Sisyrinchii* sp., Hook. etc.

Perianthium regulare rotatum cæruleum vel flavum, tubo supra ovarium nullo, segmentis obovatis subconformibus, flore expanso patulis. *Stamina* 3 epigyna æquilaterialia, filamentis liberis subulatis basi deltoideis, antheris ligulatis, connectivo angusto, post anthesin spiraliter tortis. *Ovarium* turbinatum triloculare, ovulis in loculo crebris; *stylus* brevis filiformis, ramis tribus subulatis apice stigmatoso sæpissime minute emarginatis. *Cap-sula* clavata membranacea apice operculata loculicide trivalvis, seminibus crebris triquetris, testa lucida nigra. *Herbæ bulbosæ americanæ tropicales, bulbi tunicis membranaceis brunneis, foliis linearibus vel teretibus, spathis paucis paucifloris pedunculatis, valvis membranaceis viridibus acutis lanceolatis vel linearibus, pedicellis sæpissime demum protrusis, floribus fugitivis successivis.*

* *Cærulea, styli ramis elongatis.*

1. *C. SPECIOSA*, Herb. in Bot. Reg. 1843, Misc. 65.—*Sisyrinchium speciosum*, Hook. in Bot. Mag. t. 3544.—*S. xiphioides*, Pöppig, Fragm. Synops. 7.—*Botherbe bulbosa*, Klatt in *Linnæa*, xxxi. 563 (non *Roterbe bulbosa*, Steudel). *Chili*.
2. *C. CAMPESTRIS*, Baker in Trimen, Journ. 1876, 187.—*Botherbe campestris*, Klatt in *Linnæa*, xxi. 563.—*Roterbe campestris*, Klatt, Fl. Bras. iii. 543. *Brasilia meridionalis et Monte Video*.
3. *C. GARDNERI*, Baker in Trimen, Journ. 1876, 188. *Brasilia in ditione Piauhy*.
4. *C. TEXANA*, Baker in Trimen, Journ. 1876, 188.—*Gelasine? texana*, Herbert in Bot. Mag. sub t. 3779. *Texas*.

** *Luteæ, styli ramis elongatis.*

5. *C. LUTEOLA*, Baker in *Trimen, Journ.* 1876, 188.—*Botherbe luteola*, Klatt in *Linnæa*, xxxi. 563.—*Roterbe luteola*, Klatt in *Fl. Bras.* iii. 544, tab. 71. fig. 4. *Brasilia meridionalis*.
6. *C. FURCATA*, Baker in *Trimen, Journ.* 1876, 188.—*Nemostylis furcata*, Klatt in *Linnæa*, xxxi. 560; *Fl. Bras.* iii. 515, t. 65. *Monte Video*.

*** *Cæruleæ, styli ramis brevissimis.*

7. *C. NUDA*, Baker in *Trimen, Journ.* 1876, 188.—*Gelasine*? *nuda*, Herbert in *Bot. Mag. sub t.* 3779.—*Botherbe gracilis*, Klatt in *Linnæa*, xxxi. 565.—*Roterbe gracilis*, Klatt in *Fl. Bras.* iii. 544. *Monte Video*.
8. *C. PUNCTATA*, Baker in *Trimen, Journ.* 1876, 188.—*Gelasine punctata*, Herbert in *Bot. Mag. sub t.* 3779. *Mexico*.

14. *CARDIOSTIGMA*, Baker.

Perianthium regulare cæruleum rotatum, tubo supra ovarium nullo, segmentis conformibus obovato-cuneatis obtusis flore expanso patulis. *Stamina* 3 æquilateralia epigyna, filamentis brevibus subulatis, antheris ligulatis luteis connectivo angusto. *Ovarium* clavatum triloculare, ovulis in loculo crebris; *stylus* filiformis stamina superans, stigmatibus tribus planis obcordato-cuneatis margine fimbriatis. *Capsula* clavata apice operculata. *Herba bulbosa Mexicana*, bulbi tunicis membranaceis brunneis, folio unico basali anguste lineari plicato, spathis solitariis terminalibus bifloris, valva exteriori longissima flores longe superante foliiformi, floribus fugitivis successivis.

- C. LONGISPATHA*, Baker.—*Gelasine longispatha*, Herbert in *Benth. Pl. Hartweg.* 53.—*Botherbe longispatha*, Klatt in *Linnæa*, xxxi. 564.—*Calydorea longispatha*, Baker in *Trimen, Journ.* 1876, 188. *Mexico*.

15. *NEMASTYLUS*, Nuttall.

Nuttall in Amer. Phil. Trans. ser. nov. v. 157.—*Eustylus*, Engel. & A. Gray, *Pl. Lindh.* 28.—*Ixiæ* sp., *Bartram etc.*

Perianthium regulare rotatum cæruleum, tubo supra ovarium nullo, segmentis obovato-cuneatis obtusis subconformibus flore expanso patulis. *Stamina* 3 epigyna æquilateralia, filamentis brevissimis liberis basi valvatis deltoideis, antheris magnis ligulatis vel subpanduriformibus, connectivo angusto vel lato. *Ovarium* turbinatum, ovulis in loculo pluribus horizontalibus; *stylus*

brevissimus filamentis æquilongus, ramis 6 subulatis patulis apice stigmatosis cæruleis. *Capsula* clavata apice operculata, seminibus crebris angulatis, testa brunnea. *Herbæ bulbosæ Americanæ boreales, bulbi tunicis membranaceis brunneis, foliis paucis petiolatis linearibus plicatis, spathis paucis paucifloris pedunculatis, valvis lanceolatis membranaceis viridibus acutis, pedicellis spatha æquilongis, floribus fugitivis successivis.*

Subgenus EUNEMASTYLUS. *Antheræ ligulatæ, connectivo angusto, post anthesin spiraliter tortæ.*

1. N. CÆLESTINUS, Nuttall, loc. cit.—*Ixia cælestina*, Bartr. Iter, 152, t. 3.—*Marica cælestina*, Ker, Gen. Irid. 19.—*Beatonia cælestina*, Klatt in Linnæa, xxxi. 567. *Florida ad Carolinum.*
2. N. ACUTUS, Herbert in Bot. Mag. sub t. 3779.—*Ixia acuta*, Bart. Flor. N. Amer. i. 76.—*N. geminiflora*, Nuttall, loc. cit. *Arkansas et Texas.*

Subgenus EUSTYLUS (Engel. & A. Gray). *Antheræ subpanduriformes, connectivo lato, post anthesin rectæ.*

3. N. PURPUREUS, Herbert in Bot. Mag. sub t. 3779.—*Eustylus purpureus*, Engel. & A. Gray, Pl. Lindh. 27. *Texas et Louisiana.*

16. GALAXIA, Thunb.

Thunb. Nov. Gen. ii. 50, cum iconè; *Ker, Gen. Irid.* 72; *Klatt in Linnæa*, xxxii. 782.

Perianthium regulare infundibulare, tubo cylindrico, limbo infundibulari, segmentis obovatis obtusis conformibus diu imbricatis et ascendentibus. *Stamina* 3, ad faucem tubi æquilateraliter inserta, filamentis sursum liberis deorsum in tubum cylindricum connatis, antheris ligulato-sagittatis basifixis. *Ovarium* oblongum, ovulis in loculo multis; *stylus* filiformis ex tubo protrusus, stigmate petaloideo peltato trilobato fimbriato. *Capsula* parva membranacea oblonga, seminibus multis globosis. *Herbæ bulbosæ Capenses, bulbi tunicis cancellatis apice fibrosis, caule supra terram nullo, foliis dense rosulatis angustis vel latis, floribus fugitivis cæruleis vel luteis in centro rosularum foliorum sessilibus, tubo ex spatha 1-2-valvi firma viridula ovato-lanceolata protruso.*

1. G. OVATA, Thunb. loc. cit.—*Ixia Galaxia*, Linn. fl. Suppl. 93. C. B. Spei.

Variet. G. OBTRUSA, Salisb. in Trans. Hort. Soc. i. 315.—*G. ovata*, Andr.

Bot. Rep. t. 94; *Jacq. Ic.* t. 291. fig. superior; *Thunb. icon. loc. cit.* C. B. Spei.

Var. G. GRANDIFLORA, *Salisb. in Trans. Hort. Soc.* i. 315; *Andr. Bot. Rep.* t. 164.—G. ovata, *Ker in Bot. Mag.* t. 1208. C. B. Spei.

Var. G. MUCRONULARIS, *Salisb. in Trans. Hort. Soc.* i. 315.—G. ovata, *Jacq. Ic.* t. 291. fig. inf. ad sinistram. C. B. Spei.

Var. G. VERSICOLOR, *Salisb. in Trans. Hort. Soc.* i. 315.—G. ovata, *Jacq. Ic.* t. 291. fig. inf. ad dextram.—G. violacea, *Eckl. Top. Verz.* 17. C. B. Spei.

2. G. GRAMINEA, *Thunb. loc. cit.*; *Jacq. Coll.* ii. t. 18. fig. 2; *Cav. Diss.* t. 189. fig. 3; *Ker in Bot. Mag.* t. 1292.—*Ixia fugacissima*, *Linn. fil. Suppl.* 94. C. B. Spei.

17. SPATALANTHUS, Sweet.

Sweet, Brit. Flow. Gard. t. 300.

Perianthium regulare infundibulare, tubo brevissimo infundibulari, segmentis oblongis acutis conformibus diu ascendentibus. *Stamina* 3 ad faucem tubo æquilateraliter inserta, filamentis in tubum brevem cylindricum prorsus coalitis, antheris ligulatis erectis basifixis. *Ovarium* globosum triloculare verrucosum, ovulis in loculo pluribus; *stylus* filiformis ex tubo protrusus, stigmatibus tribus ligulatis emarginatis. *Capsula* ignota. *Herba* Capensis acaulis bulbosa, habitu omnino Romuleæ, bulbi tunicis fibrosis, foliis pluribus teretibus duris, floribus magnis solitariis speciosis pedunculatis terminalibus, spathæ valvis duabus lanceolatis firmis viridibus integris, perianthii segmentis more Tulipæ basi luteonigro maculatis.

1. S. SPECIOSUS, *Sweet, loc. cit.*—*Trichonema monadelphum*, *Sweet, Hort. Brit. edit.* ii. 399. C. B. Spei.

18. HOMERIA, Vent.

Vent. Dec. Nov. Gen. No. 2; *Klatt in Linnæa*, 625.—*Moreæ* sp., *Thunb. etc.*

Perianthium regulare late infundibulare luteum vel miniatum, segmentis oblongis subconformibus obtusis vel acutis diu ascendentibus. *Stamina* 3 epigyna æquilateralia, filamentis in tubum cylindricum prorsus connatis, antheris ligulatis basifixis stigmatibus oppositis. *Ovarium* cylindricum 6-sulcatum, ovulis in loculo crebris; *stylus* filiformis columnæ filamentorum æquilongus, stigmatibus parvis ligulatis petaloideis apice cristis 2

deltoideis præditis. *Capsula* chartacea clavata 6-sulcata apice loculicide trivalvis, seminibus parvis crebris angulatis. *Herbæ bulbosæ Capenses, bulbi tunicis e basi in segmenta dura linearia nigra multa irregulariter imbricata sectis, foliis inferioribus elongatis anguste loratis duris nervatis bulbillis sæpe in axillis præditis, superioribus parvis bracteiformibus arcte imbricatis, spathis multis terminalibus multifloris, valvis duris angustis acutis arcte imbricatis, pedicellis elongatis, floribus magnitudine mediocribus successivis fugitivis.*

1. H. ELEGANS, Sweet, *Hort. Brit.* edit. ii. 498.—*Moræa elegans*, Jacq. *Hort. Schoen.* i. 6, t. 12.—*Sisyrinchium elegans*, Willd. *Sp. Plant.* i. 67.—*M. spicata*, Ker in *Bot. Mag.* t. 1283.—*Homeria spicata*, Sweet, *loc. cit.* C. B. Spei.
2. H. COLLINA, Vent. *Decad.* 5.—*Moræa collina*, Thunb. *Diss.* no. 13; Jacq. *Ic.* t. 226; Ker in *Bot. Mag.* t. 1033.—*Sisyrinchium collinum*, Cav. *Diss.* vi. 346; Red. *Lil.* t. 250.—*S. elegans*, Red. *Lil.* t. 171, non Willd.—*Moræa grandiflora*, Eckl. *Top. Verz.* 14. C. B. Spei.
Var. H. OCHROLEUCA, Salisb. in *Trans. Hort. Soc.* i. 308.—*Moræa collina*, var., Ker in *Bot. Mag.* t. 1103. C. B. Spei.
- Var. H. MINIATA, Sweet, *Brit. Flow. Gard.* t. 152.—*Moræa miniata*, Andr. *Bot. Rep.* t. 404. C. B. Spei.
3. H. MACULATA, Klatt in *Linnaea*, xxxiv. 627. C. B. Spei.
4. H. LINEATA, Sweet, *Brit. Flow. Gard.* t. 178. C. B. Spei.
Var. H. PORRIFOLIA, Sweet, *Hort. Brit.* edit. ii. 498. C. B. Spei.
5. H. AURANTIACA, Sweet, *Hort. Brit.* edit. ii. 498.—*Sisyrinchium aurantiacum*, Zuccag. in *Rœm. & Schult. Syst. Veg.* i. 492.—*Moræa collina*, var. *miniata minor*, *Bot. Mag.* t. 1612. C. B. Spei.

19. FERRARIA, Linn.

Linn. Gen. no. 1818, ex parte; Ker, *Gen. Irid.* 27; Klatt in *Linnaea*, xxxiv. 626.

Perianthium regulare, tubo supra ovarium nullo, segmentis ovato-lanceolatis distincte unguiculatis, unguibus in cupulam diu conniventibus, supra unguem margine undulatis flore expanso patulis vel reflexis. *Stamina* 3 epigyna, filamentis in tubum cylindricum coalitis, apice liberis, antheris oblongo-sagittatis. *Ovarium* cylindricum rostratum triloculare, ovulis in loculo crebris; *stylus* filiformis columnæ filamentorum subæquilongus; *stigmatibus* patulis petaloideis planis bifidis insigniter penicillatis. *Capsula* oblonga rostrata chartacea loculicide trivalvis, se-

minibus magnis crebris subglobosis, testa nigra. *Herbæ Capenses cormo magno tuberoso præditæ, foliis inferioribus paucis anguste loratis elongatis duris, caulibus dichotome ramosis foliis reductis multis ovato-lanceolatis amplexicaulibus bracteiformibus præditis, spathis magnis multifloris ventricosus valvis duris striatis oblongo-lanceolatis, pedicellis spatha brevioribus, floribus magnis fugitivis luride purpureis vel viridibus.*

* *Macroscyphæ, antherarum loculis divaricatis.*

1. F. FERRARIOLA, Willd. *Sp. Plant.* iii. 581.—*Moræa Ferrariola*, Jacq. *Hort. Schoen.* t. 456.—F. *viridiflora*, Andr. *Bot. Rep.* t. 285.—F. *antherosa*, Ker in *Bot. Mag.* t. 751.—F. *minor*, Pers. *Syn.* i. 50. *C. B. Spei.*

Var. ? F. ANGUSTIFOLIA, Sweet, *Hort. Brit.* 499. *C. B. Spei.*

2. F. DIVARICATA, Sweet, *Brit. Flow. Gard.* t. 192. *C. B. Spei.*

** *Brachyscyphæ, antherarum loculis parallelis.*

3. F. UNDULATA, Linn. *Sp. Plant.* 1353; *Curt. Bot. Mag.* t. 144; *Red. Lil.* t. 28; *Jacq. Hort. Vind.* t. 63; *Cav. Ic.* t. 190. fig. 1.—*Moræa undulata*, Thunb. *Diss. Mor.* 14.—*Ferraria punctata*, Pers. *Syn.* i. 50; *Miller, Ic.* 187, t. 280. *C. B. Spei.*

4. F. UNCINATA, Sweet, *Brit. Flow. Gard.* t. 161. *C. B. Spei.*

5. F. OBTUSIFOLIA, Sweet, *Brit. Flow. Gard.* t. 148. *C. B. Spei.*

6. F. ATRATA, Lodd. *Bot. Cab.* t. 1356. *C. B. Spei.*

20. GELASINE, *Herbert.*

Herb. in Bot. Mag. t. 3779.

Perianthium regulare rotatum cæruleum, tubo supra ovarium nullo, segmentis obovato-cuneatis conformibus vel interioribus paulo minoribus. *Stamina* 3 æquilateralia epigyna, filamentis in tubum brevem prorsus connatis, antheris erecto-patentibus ligulatis basifixis. *Ovarium* turbinatum, ovulis in loculo multis crebris; *stylus* filiformis, ramis tribus erecto-patentibus subulatis. *Capsula* clavata apice operculata loculicide trivalvis, seminibus crebris angulatis, testa brunnea. *Herbæ bulbosæ Americanæ, bulbi tunicis brunneis membranaceis, foliis paucis linearibus plicatis, spathis paucis terminalibus pedunculatis multifloris, valvis lanceolatis acutis arcte imbricatis, pedicellis protrusis, floribus fugitivis successivis.*

1. *G. AZUREA*, *Herb. loc. cit.* *Banda orientalis*.
2. *G. GRANDIFLORA*, *Herb. loc. cit.* *Andes*.
3. *G. ? PURRUCHUCANA*, *Herb. loc. cit.* *Andes*.

21. CHLAMYDOSTYLUS, *Baker*.

Baker in Trimen, Journ. 1876, 185.

Perianthium regulare rotatum cæruleum vel luteum, tubo supra ovarium nullo, segmentis obovatis obtusis conformibus flore expanso patulis. *Stamina* 3 æquilateralia epigyna, filamentis in tubum cylindricum prorsus connatis, antheris basifixis ligulatis connectivo angusto, vel panduriformibus connectivo lato. *Ovarium* clavatum triloculare, ovulis in loculo crebris; *stylus* brevis filiformis erectus, ramis 6 subulatis apice stigmatosis. *Capsula* clavata membranacea operculata apice loculicide trivalvis, seminibus congestis angulatis, testa brunnea. *Herbæ* bulbosæ *Americæ tropicalis*, bulbi tunicis brunneis membranaceis, foliis 1-2 teretibus vel anguste linearibus plicatis, caulibus simplicibus vel furcatis foliis 1-2 reductis præditis, spathis segregatis terminalibus paucifloris pedunculatis, valvis lanceolatis viridulis arcte imbricatis, pedicellis floriferis sæpe protrusis, floribus fugitivis successivis.

Subgenus EUCHLAMYDOSTYLUS. *Antheræ ligulatæ, connectivo angusto.*

1. *C. BRACTEOLATUS*, *Baker*.—*Beatonia bracteolata*, *Klatt in Linnæa*, xxxiv. 733. *Andes Bolivia*.
2. *C. TENUIS*, *Baker in Trimen, Journ.* 1876, 185.—*Nemastylis cælestina*, *Klatt in Linnæa*, xxxi. 567, ex parte. *Mexico*.
3. *C. MULTIFLORUS*, *Baker in Trimen, Journ.* 1876, 186.—*Moræa foliosa*, *H. B. K. Nov. Gen.* i. 322? *Mexico et Andes*.

Subgenus PLATYSTERIGMA. *Antheræ subpanduriformes vel oblongæ, connectivo lato.*

4. *C. TRIFLORUS*, *Baker*.—*Nemastylis triflora*, *Herbert in Benth. Pl. Hartweg.* 95.—*C. cernua*, *Baker in Trimen, Journ.* 1876, 186. *Mexico et Guatemala*.
5. *C. MEDUSA*, *Baker, in Trimen, Journ.* 1876, 186. *Brasilia in ditione Goyaz*.

22. SCHIZOSTYLIS, *Backh. et Harv.*

Backh. et Harv. in Bot. Mag. t. 5422.

Perianthium regulare rotatum, tubo supra ovarium cylindrico, segmentis rotatis oblongis conformibus flore expanso patulis. *Stamina* 3 ad faucem tubi inserta æquilaterialia limbo breviora, filamentis subulatis, antheris magnis linearibus. *Ovarium* oblongum triloculare, ovulis in loculo crebris; *stylus* filiformis ex tubo haud protrusus, stigmatibus tribus magnis erecto-patentibus subulatis integris. *Capsula* parva oblonga loculicide trivalvis, seminibus crebris triquetris. *Herbæ Capenses haud bulbiferae, radicibus dense cæspitosis fibroso-carnosis, foliis radicalibus flabellato-distichis graminoides, floribus dense æquilaterialiter spicatis, spathis unifloris, valvis duabus integris viridulis lanceolatis vel oblongis. Ab Hesperantha vix recedit nisi defectu bulbi.*

1. S. COCCINEA, *Back. & Harv. loc. cit. Natal, Transvaal, Kaffraria.*
2. S. PAUCIFLORA, *Klatt in Linnæa, xxxv. 380.—S. ixioides, Harv. MS. Natal, Transvaal, &c.*

23. WITSENIA, *Thunb.*

Thunb. Nov. Gen. ii. 34, cum icone; Ker, Gen. 7, ex parte; Klatt in Linnæa, 34, 545, ex parte.—Antholyzæ sp., Linn.

Perianthium infundibulare regulare viridulum persistens, tubo supra ovarium elongato cylindrico e basi ad faucem sensim ampliato, segmentis 6 lingulatis diu ascendentibus, exterioribus supra medium dorso fulvo-tomentosis, interioribus apice solum fulvo-tomentosis. *Stamina* 3, ad faucem tubi æquilaterialiter inserta, filamentis applanatis, antheris magnis lanceolatis æquilongis. *Ovarium* oblongum triloculare, ovulis in loculo crebris; *stylus* filiformis perianthio æquilongus apice stigmatoso obscure tricuspidatus. *Capsula* parva turbinata glabra castanea in spatha occulta, seminibus paucis imbricatis discoideis, testa brunnea. *Frutex ramosus, caulibus lignosis acute ancipitibus, foliis caulinis multis distichis duris linearibus nervosis amplexicaulibus rectis, spathis 1-2-floris multis spicatis congestis, valvis pluribus magnis duris lanceolatis acutis coriaceis viridulis, exterioribus sensim brevioribus.*

1. W. MAURA, *Thunb. loc. cit.; Lam. Ill. t. 30; Red. Lil. t. 245 & 463; Bot. Reg. t. 5; Maund, Bot. t. 125; Flore des Serres, t. 72; Part. Mag. viii. 221, cum icone; Reich. Exot. t. 23.—W. tomentosa,*

Salisb. in Trans. Hort. Soc. i. 312.—*Ixia disticha*, *Lam. Ency.* iii. 333.—*Antholyza maura*, *Linn. Mant.* 175. *C. B. Spei.*

24. NIVENIA, *Ventenat.*

Ventenat, Decad. Nov. Gen. no. 1 (1808), non *R. Br.* (1809).—*Genlisea*, *Reich. Conspect.* 60.—*Witsenia*, *Ker, Gen.* 7, ex parte.—*Ixiæ* sp., *Thunb.*

Perianthium hypocrateriforme regulare glabrum cæruleum, tubo supra ovarium cylindrico, segmentis 6 oblongis obtusis æqualibus flore expanso patulis. *Stamina* 3 ad faucem tubi æquilateraliter inserta, filamentis brevibus subulatis, antheris minutis oblongis. *Ovarium* triloculare, ovulis in loculo pluribus; *stylus* filiformis cæruleus perianthio æquilongus, apice obscure tricuspidatus. *Capsula* parva oblongo-turbinata coriacea glabra brunnea, ex apice ad basin loculicide trivalvis, seminibus in loculo paucis oblongis turgidis. *Frutices Capenses parvi ramosi, ramis acute ancipitibus, foliis multis caulinis distichis confertis duris linearibus acutis amplexicaulibus, spatheis 1-2-floris parvis corymbosis vel capitatis, valvis exterioribus obtusis brunneis coriaceis, interioribus majoribus membranaceis, floribus cæruleis fugitivis.*

1. *N. CORYMBOSA*, *Baker*.—*Witsenia corymbosa*, *Gawl. in Bot. Mag.* t. 895; *Smith, Exot. Bot.* t. 18; *Red. Lil.* t. 453; *Lodd. Bot. Cab.* t. 254; *Reich. Exot.* t. 24; *Pact. Mag.* iii. 269, cum icone; *Maund. Bot.* v. 202.—*N. stylosa*, *Salisb. in Trans. Hort. Soc.* i. 311. *C. B. Spei.*
2. *N. FRUTICOSA*, *Baker*.—*Ixia fruticosa*, *Thunb. Diss. Ixia*, No. 1, t. 1. fig. 3; *Lam. Ill.* i. 108, t. 31. fig. 4.—*Witsenia fruticosa*, *Ker in König & Sims, Ann.* i. 237.—*W. capitata*, *Klatt in Linnæa*, xxxiv. 546.—*W. ramosa*, *Vahl, Enum.* ii. 47.—*Aristea fruticosa*, *Pers. Syn.* i. 41. *C. B. Spei.*

25. KLATTIA, *Baker.*

Witseniæ sp., *Ker.*

Perianthium cylindricum persistens cæruleum glabrum, tubo supra ovarium brevi cylindrico, segmentis 6 æqualibus longissimis diu ascendentibus apice anguste ligulatis, deorsum ungue elongato subulato præditis. *Stamina* 3 ad faucem tubi æquilateraliter inserta limbo paulo breviora, filamentis elongatis subulatis, antheris magnis ligulatis basifixis. *Ovarium* oblongum trilo-

culare, ovulis in loculo pluribus crebris; *stylus* filiformis limbo æquilongus, apice stigmatoso minute tricuspidatus. *Capsula* parva oblonga glabra brunnea coriacea loculicide trivalvis, seminibus pluribus turgidis. *Erutex ramosus Capensis, habitu Niveniæ, ramis lignosis acute ancipitibus, foliis caulinis confertis distichis linearibus duris amplexicaulibus, floribus dense capitatis, glomerulis foliis reductis lineari-navicularibus magnis bracteatis, spathis singulis multo minoribus occultis 1-2-floris, valvis parvis scariosis inæqualibus lanceolatis.*

1. K. PARTITA, Baker.—Witsenia partita, Ker in König & Sims, Ann. i. 237. C. B. Spei.

26. ARISTEA, Soland.

Soland. in Ait. Hort. Kew. i. 67; Ker, Gen. Irid. 10; Klatt in Linnæa, xxxiv. 548.—Morææ sp., Thunb.—Ixia sp., Linn.—Sisyrinchium et Wredowia, Eckl. Topog. Verz. 16—Cleanthe, Salisb. in Trans. Hort. Soc. i. 312.

Perianthium regulare rotatum cæruleum, tubo supra ovarium subnullo, segmentis conformibus vel in *Cleanthe* interioribus majoribus obovatis vel oblongis flore expanso patulis. *Stamina* 3 ad faucem æquilateraliter inserta, limbo multo breviora, filamentis subulatis, antheris ligulatis basifixis. *Ovarium* clavatum, triloculare, ovulis in loculo pluribus crebris; *stylus* filiformis, ex tubo longe protrusus rectus vel leviter declinatus, summo apice obscure tricuspidatus. *Capsula* oblonga vel cylindrica, dura, coriacea, sæpissime acute triquetra, seminibus discoideis vel globosis, testa castanea vel atrata. *Herbæ perennes Capenses et Africanæ tropicales, rhizomate brevi lignoso, fibris radicalibus copiosis duris gracilibus, foliis basalibus multis elongatis distichis duris linearibus vel subteretibus, caulinis pluribus reductis, inflorescentia corymboso-paniculata vel interdum spicata vel capitata, spathis oblongis multifloris ventricosus, valvis permultis imbricatis omnibus scariosis vel exterioribus viridulis, floribus fugitivis cæruleis post anthesin spiraliter tortis, capsulis in spatha sessilibus vel pedicellatis protrusis.*

Series I. EUARISTEA. *Perianthii segmenta conformia.*

* *Capsula parva sessilis obovoidea, lateribus rotundatis, seminibus globosis.*

1. A. ANCEPS, *Ecklon*; *Klatt in Linnæa*, xxxiv. 550. C. B. *Spei et Abyssinia.*
2. A. MADAGASCARIENSIS, *Baker in Trimen, Journ.* 1876, 267. *Madagascar.*
3. A. SCHIZOLENA, *Harv. MS.*; *Baker in Trimen, Journ.* 1876, 267. C. B. *Spei.*
4. A. ANGOLENSIS, *Baker. Angola.*

** *Capsula oblonga acute triquetra breviter pedicellata, seminibus discoideis.*

5. A. JUNCIFOLIA, *Baker in Trimen, Journ.* 1876, 267. C. B. *Spei.*
6. A. RACEMOSA, *Baker in Trimen, Journ.* 1876, 267.—*Witsenia spicata, E. Meyer in Herb. Drege.* C. B. *Spei.*
7. A. DICHOTOMA, *Ker, Gen. Irid.* 13, non *Klatt*.—*Moræa dichotoma, Thunb. Fl. Cap.* i. 266.—*A. intermedia, Ecklon, Top. Verz.* 16. C. B. *Spei.*
8. A. CYANEA, *Soland. in Ait. Hort. Kew.* i. 67; *Andr. Bot. Rep.* t. 10; *Curt. in Bot. Mag.* t. 458; *Red. Lil.* t. 462.—*Ixia africana, Linn. Sp. Plant.* 51.—*Moræa africana, Thunb. Diss. Mor.* No. 3.—*M. Aristeia, Lam. Ill.* 114.—*Aristea eriophora, Pers. Syn.* i. 41. C. B. *Spei.*
9. A. COMPRESSA, *Buching. in Krauss, Pl. Natal. Exsic.* No. 358. *Natalia.*
10. A. CAPITATA, *Ker in Bot. Mag.* t. 605 (*excl. syn.*).—*Gladiolus capitatus, Linn. Sp. Plant.* 53.—*Aristea major, Andr. Bot. Rep.* t. 160. *Moræa cærulea, Thunb. Diss. Mor.* 15, tab. 2. fig. 2.—*A. cærulea, Vahl, Enum.* ii. 124.—*A. spicata et bracteata, Pers. Syn.* i. 41. C. B. *Spei.*

*** *Capsula cylindrico-triquetra, seminibus minutis turgidis.*

11. A. SPIRALIS, *Ker in König & Sims, Ann.* i. 236.—*Moræa spiralis, Linn. Suppl.* 99; *Bot. Mag.* t. 520.—*Sisyrinchium spirale, Eckl. Top. Verz.* 16. C. B. *Spei.*
12. A. PUSILLA, *Ker in König & Sims, Ann.* i. 236; *Bot. Mag.* t. 123.—*Moræa pusilla, Thunb. Diss.* No. 4.—*Sisyrinchium pusillum, Eckl. C. B. Spei.*

13. A. ECKLONI, *Baker*.—A. dichotoma, *Eckl.*; *Klatt in Linnæa*, xxxiv. 551, non *Ker*. C. B. *Spei*.

Series II. CLEANTHE. *Perianthii segmenta interiora majora.*

14. A. MELALEUCA, *Ker in König & Sims, Ann.* i. 236; *Bot. Mag.* t. 1277.—*Moræa melaleuca*, *Thunb. Diss. Moræa*, No. 1, t. 1. fig. 3.—*M. lugens*, *Linn. fil. Suppl.* 99.—*Cleanthe melaleuca*, *Salish. Trans. Hort. Soc.* i. 312.—*Sisyrinchium melaleucum et inundatum*, *Eckl. Top. Verz.* 16. C. B. *Spei*.

Indescripta, mihi ignota.

15. A. WREDOWIA, *Steud. Nomencl. edit.* ii. 130.—*W. pulchra*, *Eckl. Topog. Verz.* 16. C. B. *Spei*.

27. ORTHROSANTHUS, *Sweet*.

Sweet, Fl. Austral. t. 12; *Benth. Fl. Austral.* vi. 410.—*Sisyrinchii* sp., *Lindl. &c.*—*Moræa* sp., *H. B. K.*

Perianthium regulare infundibulare cæruleum, tubo supra ovarium brevi vel brevissimo, segmentis 6 oblongis conformibus imbricatis. *Stamina* 3 ad faucem tubi æquilateraliter inserta, filamentis brevibus linearibus, antheris ligulatis. *Ovarium* oblongum trioculare, ovulis in loculo multis crebris; *stylus* brevis filiformis, e tubo haud protrusus, stigmatibus tribus erecto-patentibus subulatis integris, antheris alternis. *Capsula* chartacea oblongo-triquetra loculicide trivalvis, seminibus minutis angulatis, testa brunnea. *Herbæ* perennes, rhizomate brevi lignoso, fibris radicalibus duris, foliis radicalibus multis distichis linearibus duris persistentibus, caulinis paucis similibus reductis, spathis oblongis multifloris spicatis vel paniculatis, valvis per-plurimis, imbricatis, exterioribus viridibus, interioribus membranaceis, capsulis intra spathas inclusis subsessilibus vel breviter pedicellatis, floribus parvis fugitivis.

• *Australienses.*

1. O. MULTIFLORUS, *Sweet. loc. cit.*; *Lodd. Bot.* t. 1474.—*Sisyrinchium cyaneum*, *Lindl. Bot. Reg.* t. 1090.—*Libertia stricta*, *Endl. in Pl. Preiss.* ii. 32? *Australia australis et occidentalis.*
2. O. MUELLERI, *Benth. Fl. Austral.* vi. 411. *Australia occidentalis.*
3. O. LAXUS, *Benth. Fl. Austral.* vi. 411.—*Libertia laxa*, *Endl. in Pl. Preiss.* ii. 32. *Australia occidentalis.*

4. *O. GRAMINEUS*, Benth. *Fl. Austral.* vi. 411.—*Libertia graminea*, Endl. in *Pl. Preiss.* ii. 32. *Australia occidentalis*.
5. *O. POLYSTACHYUS*, Benth. *Fl. Austral.* vi. 411. *Australia occidentalis*.

** *Americanæ*.

6. *O. SPICATUS*, Baker.—*Sisyrinchium spicatum*, Seubert, *MS.*; Klatt in *Linnæa*, xxxi. 377. *Brasilia meridionalis*.
 7. *O. CHIMBORACENSIS*, Baker in *Gard. Chron.* 1876, ii. 67.—*Moræa chimboracensis* et *acoriifolia*, H. B. K. *Nov. Gen.* i. 322.—*Sisyrinchium Moritzianum*, Klatt in *Linnæa*, xxxi. 378.—*Orthrosanthus Moritzianus*, Klotzsch in *Moritz, Exsic.* No. 1204. *Andes, ab Mexico ad Peruviam*.
- Var. *GLADIOLOIDES*, Baker.—*Moræa gladioloides*, H. B. K. *Nov. Gen.* i. 322.—*Sisyrinchium occisapungum*, Ruiz, *MS.*; Klatt in *Linnæa*, xxxi. 379. *Andes*.

28. BELEMCAÏDA (*Rheede*).

Adans. Fam. ii. 60.—*Pardanthus*, Ker in *König et Sims, Ann.* i. 246.—*Ixiæ* sp., *Linn.*

Perianthium rotatum, subregulare, tubo supra ovarium nullo, segmentis oblongo-ob lanceolatis unguiculatis flore expanso patulis, interioribus paulo minoribus, post anthesin spiraliter tortis. *Stamina* 3 epigyna limbo breviora æquilateraliter inserta, filamentis subulatis, antheris ligulatis basifixis. *Ovarium* triloculare clavatum, ovulis in loculo crebris; *stylus* filiformis, stigmatibus 3 erecto-patentibus applanatis apice reniformibus. *Capsula* magna coriacea oblongo-turbinata loculicide trivalvis, seminibus crebris globosis magnitudine pisi, testa crassa nigra, albumine corneo. *Herba asiatica orientalis, habitu Iridis, rhizomate crasso, foliis multis magnis distichis ensiformibus, caulibus similibus sensim minoribus, inflorescentia copiose dichotome corymbosa, spathis parvis multifloris, valvis multis oblongis scariosis, pedicellis protrusis apice articulatis, floribus speciosis fugitivis punctatis.*

1. *B. CHINENSIS*, Leman in *Red. Lil.* t. 121.—*B. punctata*, Moench *Meth.* 529.—*Ixia chinensis*, *Linn. Sp. Plant.* 52; Trew, *Ehret.* 23, t. 52; *Curt. in Bot. Mag.* t. 171.—*Pardanthus chinensis*, Ker in *König & Sims, Ann.* i. 246; *Flore des Serres*, t. 1632.—*P. nepalensis*, Sweet, *Brit. Flow. Gard. edit.* ii. 498. *Asia orientalis*.

29. BOBARTIA, *Linn.*

Linn. Gen. no. 71; *Ker, Ann. Irid.* 29; *Klatt in Linnea*, xxxiv. 554.—*Moræa* sp., *Thunb. Diss. Moræa*.

Perianthium regulare rotatum flavum, tubo supra ovarium nullo, segmentis oblongis conformibus flore expanso patulis. *Stamina* 3 æquilateralia epigyna, filamentis brevissimis applanatis, antheris ligulatis. *Ovarium* turbinatum, ovulis in loculo pluribus; *stylus* brevissimus, stigmatibus tribus falcatis subulatis integris antheris alternis. *Capsula* dura turbinata 6-sulcata operculata, apice loculicide trivalvis, seminibus crebris magnis angulatis obscure alatis, testa nitida castanea, albumine corneo. *Herbæ Capenses altæ perennes rhizomatosæ, foliis duris persistentibus teretibus planis interdum rudimentariis, scapis aphyllis teretibus vel planis, spathis multis cylindricis in rosulam unicam densam congestis, valvis cartilagineis linearibus acuminatis viridibus arcte imbricatis, floribus aggregatis fugitivis successivis, pedicellis ac spatha æquilongis.*

1. B. APHYLLA, *Ker, Gen. Irid.* 30.—*Marica aphylla, Ker in Bot. Reg.* sub t. 229.—*Moræa aphylla, Linn. fil. Suppl.* 99; *Thunb. Diss. Moræa*, No. 9, tab. 2. fig. 1.—*Sisyrinchium aphyllum, Spreng. Syst. Veg.* i. 166. *C. B. Spei.*
2. B. FILIFORMIS, *Ker, Gen. Irid.* 30.—*Marica filiformis, Ker in Bot. Reg.* sub t. 229.—*Moræa filiformis, Linn. fil. Suppl.* 100; *Thunb. Diss. Moræa*, No. 10, tab. 2. fig. 2.—*Sisyrinchium filiforme, Spreng. Syst. Veg.* i. 166. *C. B. Spei.*
3. B. GLADIATA, *Ker, Gen. Irid.* 30.—*Ixia gladiata, Linn. fil. Suppl.* 93.—*Marica gladiata, Ker in Bot. Reg.* t. 229.—*Moræa gladiata, Thunb. Diss. Moræa*, No. 8.—*Sisyrinchium gladiatum, Spreng. Syst. Veg.* i. 166. *C. B. Spei.*
4. B. SPATHACEA, *Ker, Gen. Irid.* 30.—*Moræa spathacea, Thunb. Diss. Moræa*, No. 11, tab. 1. fig. 1.—*Marica spathacea, Ker, Bot. Reg.* sub t. 229.—*Bobartia indica, Linn. Sp. Plant.* 78 (patria falsa).—*Sisyrinchium spathaceum, Pers. Syn.* i. 50.—*Aristea spathacea, Spreng. Syst. Veg.* i. 158.—*Xyris altissima, Lodd. Bot. Cab.* t. 1900 (patria falsa).—*Bobartia juncea, Salisb. in Trans. Hort. Soc.* i. 313. *C. B. Spei.*

30. TAPEINIA, *Juss.*

Juss. Gen. 59.

Perianthium regulare infundibulare, tubo supra ovarium nullo.

segmentis subconformibus oblongo-lanceolatis flore expanso falcatis. *Stamina* 3 ad basin segmentorum æquilateraliter inserta, filamentis basi connatis, supra medium liberis subulatis, antheris lanceolatis profunde sagittatis. *Ovarium* oblongum triloculare, ovulis in loculo plurimis; *stylus* filiformis, ramis tribus subulatis falcatis integris. *Capsula* globosa coriacea loculicide trivalvis, seminibus plurimis turgidis. *Herba perennis perpusilla glabra dense cæspitosa, foliis distichis linearibus, scapis brevissimis, floribus solitariis terminalibus, spathæ valvis oppositis duabus lanceolato-navicularibus firmis.*

1. *T. MAGELLANICA*, Ker, *Gen. Irid.* 9.—*Ixia magellanica*, Lam. *Ill.* i. 109.—*Moræa magellanica*, Willd. *Sp. Plant.* i. 241.—*Witsenia magellanica*, Pers. *Syn.* i. 42.—*Ixia pumila*, Forst. *Comm. Gott.* ix. 20, t. 8.—*Witsenia pumila*, Vahl, *Enum.* ii. 48.—*Sisyrinchium pumilum*, Hook. *fil. Fl. Ant.* t. 129.—*Echthronema pumilum*, Herb. in *Bot. Reg.* 1843, *Misc.* 85.—*Galaxia obscura*, Cav. *Diss.* t. 189, fig. 4. *Sisyrinchium frigidum*, Pöpp. *Fragm.* 1. *Chili et Patagonia.*

31. SISYRINCHIUM, Linn.

Linn. Gen. No. 1017; *Klatt in Linnæa*, xxxi. 63, 371, excl. sp.—*Bermudiana* (Tourn.), Adans. *Fam.* 60.—Souza, *Vellozo, Fl. Flum.* vii. t. 1–3.—*Marica*, Ker, *Gen. Irid.* 16, ex parte.—*Syorrhynchium*, Hoffmann, *Nach.* ii. 216.—*Hydastylus*, Salisb. in *Trans. Hort. Soc.* i. 310.—*Echthronema*, Eriophlema, et *Glummosia*, Herbert in *Bot. Reg.* 1843, *Misc.* 85.

Perianthium regulare infundibulare vel hypocateriforme, tubo supra ovarium nullo, segmentis conformibus oblongis vel lanceolatis acutis vel obtusis mucronatis e basi patulis vel basi diu in cupulam conniventibus. *Stamina* 3 ad basin segmentorum æquilateraliter inserta, filamentis basi vel prorsus coalitis, antheris oblongis basifixis. *Ovarium* triloculare, ovulis in loculo crebris; *stylus* filiformis, ramis stigmatosis tribus subulatis falcatis integris, antheris alternis. *Capsula* parva oblonga vel subglobosa membranacea loculicide trivalvis, seminibus crebris minutis triquetris, testa brunnea, albumine corneo. *Herbæ annuæ vel perennes haud bulbiferæ, radicibus fibrosis, foliis siccis anguste linearibus vel teretibus, caulibus nudis vel parce foliatis ancipitibus vel teretibus, spathis multifloris sæpe solitariis vel paucis pedunculatis, valvis lanceolato-navicularibus, exterioribus*

viridibus, interioribus membranaceis, floribus fugitivis successivis luteis vel cæruleis vel rubellis, pedicellis demum cum spatha sub-æquilongis.

Sectio I. ANDROSOLEN, *Klatt (vix Lemaire*)*. *Caulēs nudi teretes. Spathæ solitariæ vel plures terminales segregatæ pedunculatæ.*

1. S. NUNO, *Bertero*; *Colla in Mem. Taur.* xxxix. 17, t. 54. *Chili.*

Var. S. LEUCANTHUM, *Colla, loc. cit.*—S. depauperatum, *Philippi in Linnæa*, xxix. 61.—S. Berteroanum, *Phil. in Linnæa*, xxix. 58. *Chili.*

2. S. SETACEUM, *Klatt in Linnæa*, xxxi. 85; *Fl. Bras.* iii. 540, tab. 71, fig. 1. *Monte Video.*

3. S. GRANDIFLORUM, *Douglas in Bot. Reg.* t. 1364; *Bot. Mag.* t. 3599; *Sweet. Brit. Flow. Gard.* ser. ii. t. 388, non *Cav.*—S. Douglasii, *Dietr. Synops.* i. 150; *Lemaire in Flore des Serres*, t. 146.—*Eriphlema grandiflorum*, *Herb. in Bot. Reg.* 1843, Misc. 85. *Montes Scopulosi, Columbia britannica, California.*

4. S. TRINERVE, *Baker in Trimen, Journ.* 1876, 267. *Andes Boliviae.*

5. S. JUNCEUM, *E. Meyer in Rel. Haenk.* i. 118.—S. roseum, *Philippi, in Linnæa*, xxix. 59. *Chili, Peru, Bolivia.*

Var. S. GRACILE, *Philippi in Linnæa*, xxix. 58. *Chili.*

Var. S. SCIRPIFORME, *Pöppig, Frag.* 22.—S. roseum, *Herb. in Bot. Reg.* 1843, Misc. 84.—S. scirpeum, *Philippi in Linnæa*, xxix. 59.—S. floribundum, *Philippi in Linnæa*, xxix. 59.—S. junceum, *Knowles & Westcott, Floral Cab.* iii. 17, t. 95. *Chili.*

Var. S. COLCHAGUENSE, *Philippi in Linnæa*, xxxiii. 253. *Chili.*

Var. S. ASPERULUM, *Philippi in Linnæa*, xxxiii. 252. *Chili.*

6. S. PHILIPPII, *Klatt in Linnæa*, xxxi. 89.—S. scabrum, *Philippi in Linnæa*, xxix. 58, non *Cham. & Schlecht.* *Andes Chilenses.*

7. S. FILIFOLIUM, *Gaudich. Voy. Freyc.* 133; *Hook. fil. Fl. Ant.* ii. 352, tab. 126.—S. Gaudichaudii, *Dietr. Sp. Plant.* ii. 505. *Insulæ Falkland, Fuegia.*

Sectio II. SISYRINGIUM, *Klatt*. *Caulēs ancipites nudi vel foliati. Spathæ solitariæ vel plures terminales segregatæ pedunculatæ.*

* *Perianthium cæruleum.*

8. S. SECUNDIFLORUM, *Klatt in Linnæa*, xxxi. 91; *Fl. Bras.* iii. 541. t. 71, fig. 2. *Brasilia.*

* *Androsolen*, *Lemaire*=*Sisyrinchium*, *Herbert*, stirps filamentis prorsus connatis. *Sisyringium*, *Lemaire*, *Hydastylus*, *Salisb.*, *Echthronema*, *Eriphlema* et *Glumosia*, *Herb.*, sunt stirpes filamentis basi solum connatis.

9. *S. AVENACEUM*, Klatt in *Linnæa*, xxxi. 373. *Brasilia*.
10. *S. SCABRUM*, Cham. & Schlecht. in *Linnæa*, vi. 57.—*S. multicaule*, Schauer in *Linnæa*, xix. 704.—*S. Berteroi*, Steud. in *Lechler, Pl. Chil.* No. 290.—*S. Lechleri*, Steud. in *Lechler, Pl. Chil.* No. 288. *America tropicalis*.
11. *S. CHILENSE*, Hook. in *Bot. Mag.* t. 2786. *Chili, Monte Video, Brasilia meridionalis*.
12. *S. BERMUDIANUM*, Linn. *Sp. Plant.* 1353; *Cav. Diss.* t. 192. fig. 1; *Red. Lil.* t. 149.—*Marica Bermudiana*, Ker, *Gen. Irid.* 21.—*S. Nuttallii*, Sweet, *Brit. Flow. Gard.* edit. 2, 498.—*S. excisum*, Godr. *Fl. Juv.* 39? *America borealis, Bermuda, Hibernia, Mauritius, et Australia (inquilinum)*.
- Var. 1. *S. IRIDIROIDES*, Curt. in *Bot. Mag.* t. 94; *Dill. Elth.* 48, t. 41. fig. 48. *Bermuda*.
- Var. 2. *S. GRAMINEUM*, Curt. in *Bot. Mag.* t. 464; *Red. Lil.* t. 282. *America borealis*.
- Var. 3. *S. GENICULATUM*, Herb. in *Bot. Reg.* 1843, Misc. 84.—*S. minus*, Engel & A. Gray, *Pl. Lindh.* 55. *Texas*.
- Var. 4. *S. ANCEPS*, Cav. *Diss.* vi. 345, t. 190. fig. 2; *Lodd. Bot. Cab.* t. 1220; *Eng. Bot.* edit. 3, t. 1491.—*Marica anceps*, Ker, *Gen. Irid.* 22; *Dill. Elth.* 49, t. 41. fig. 49. *America borealis, Hibernia*.
- Var. 5. *S. MUCRONATUM*, Mich. *Fl. Amer. Bor.* ii. 33.—*Marica mucronata*, Ker, *Gen. Irid.* 22. *America borealis*.

** *Perianthium rubrum*.

13. *S. MINUTIFLORUM*, Klatt in *Linnæa*, xxxi. 71. *Monte Video*.

*** *Perianthium flavum*.

† *Acaules*.

14. *S. PUSILLUM*, H. B. K. *Nov. Gen.* i. 323.—*Marica pusilla*, Ker, *Gen. Irid.* 24. *Andes Columbæ*.
15. *S. BOGOTENSE*, H. B. K. *Nov. Gen.* i. 323.—*Marica bogotensis*, Ker, *Gen. Irid.* 23. *Andes, Brasilia*.
16. *S. JAMESONI*, Baker in *Trimen, Journ.* 1876, 269. *Andes Columbæ et Bolivæ*.
17. *S. UNISPATHACEUM*, Klatt in *Linnæa*, xxxiv. 737. *Andes Bolivæ*.
18. *S. PATAGONICUM*, Philippi, MS. *Patagonia*.

19. *S. CALIFORNICUM*, *Dryand. in Hort. Kew.* edit. 2, iv. 135.—*Marica californica*, *Ker in Bot. Mag.* t. 983.—*Hydastylus californicus*, *Salisb. in Trans. Hort. Soc.* i. 310.—*Echthronema californica*, *Herbert in Bot. Reg.* 1843, Misc. 84.—*Sisyrinchium lineatum*, *Torrey in Bot. Whipple*, 143.—*S. flavidum*, *Kellogg in Proc. Calif. Acad.* ii. 50, t. 3. *California*.
20. *S. ACRE*, *H. Mann in Proc. Amer. Acad.* vii. 206. *Insulæ Sandivices*.
21. *S. TINCTORIUM*, *H. B. K. Nov. Gen.* i. 324.—*Marica tinctoria*, *Ker, Gen. Irid.* 23.—*S. tingens*, *Steud. Nomen. Bot.* edit. ii. 596.—*S. rigidum*, *Lehm. in Otto, Neue deutsche Gartenzeit.* vi. 415. *Andes*.

†† *Caulescentes*.

22. *S. MICRANTHUM*, *Cav. Diss.* vi. 144, t. 191. fig. 2; *Ker in Bot. Mag.* t. 2116.—*Marica micrantha*, *Ker, Gen. Irid.* 22.—*S. micranthemum*, *Pers. Syn.* i. 50. *America tropicalis, Australia orientalis (inquilinum)*.
23. *S. GRACILE*, *Klotzsch, MS. Brasilia*.
24. *S. CONVOLUTUM*, *Nocca, Pl. Select.* i. t. 1; *Red. Lil.* t. 47; *Willd. Hort. Berol.* t. 91.—*Echthronema convoluta*, *Herb. in Bot. Reg.* 1843, Misc. 84.—*Marica acorifolia*, *Ker, Gen. Irid.* 24, excl. syn. *America tropicalis*.
25. *S. PEARCEI*, *Philippi in Linnæa*, xxxiii. 251. *Chili*.
26. *S. IRIDIFOLIUM*, *H. B. K. Nov. Gen.* i. 324; *Lodd. Bot. Cab.* t. 1979.—*Marica iridifolia*, *Ker in Bot. Reg.* t. 646.—*S. laxum*, *Otto in Bot. Mag.* t. 2312. *America tropicalis, Chili*.
27. *S. TENUIFOLIUM*, *Willd. Hort. Berol.* t. 92; *Red. Lil.* t. 275; *Bot. Mag.* t. 2117 et 2313.—*Marica tenuifolia*, *Ker, Gen. Irid.* 23.—*Echthronema tenuifolia*, *Herb. in Bot. Reg.* 1843, Misc. 84. *Mexico*.
28. *S. MANDONI*, *Baker in Trimen, Journ.* 1876, 269. *Andes Boliviae et Columbiae*.
29. *S. GRAMINIFOLIUM*, *Lindl. in Bot. Reg.* t. 1067.—*Echthronema graminifolium*, *Herb. in Bot. Reg.* 1843, Misc. 85.—*S. majale*, *Link, Klotzsch, & Otto. Ic.* t. 10. *Chili*.
- Var. 1. *S. MACULATUM*, *Hook. in Bot. Mag.* t. 3197.—*Echthronema maculata*, *Herb. in Bot. Reg.* 1843, Misc. 85. *Chili*.
- Var. 2. *S. ASCENDENS*, *Pöppig, Fragm.* 4.—*S. graminifolium*, var. *pumilum*, *Lindl. in Bot. Reg.* t. 1915.—*S. dasycarpum*, *Philippi, MS. Chili*.

30. *S. HARTWEGII*, Baker. *Mexico*.
31. *S. PACHYRHIZUM*, Baker in Trimen, *Journ.* 1876, 269.—*S. Sellowii*, Klotzsch, MS., non *S. Sellowanum*, Klatt. *Brasilia meridionalis*.
32. *S. RESTIOIDES*, Spreng. *Syst.* i. 167. *Brasilia meridionalis*, Monte Video.
33. *S. VAGINATUM*, Spreng. *Syst.* i. 166.—*S. sulcatum*, Gillies in Hook. *Ic.* t. 218. *Brasilia meridionalis*, Monte Video.
34. *S. INCURVATUM*, Gard. in Hook. *Ic.* t. 513.—*S. brevifolium*, Klotzsch, MS. *Brasilia*.
35. *S. GLAZIOVII*, Baker in Trimen, *Journ.* 1876, 278.—Souza Comes, *Velloz, Fl. Flum.* vii. 2?—*Sisyrinchium* Comes, Steud. *Nomenc.* edit. ii. 595? *Brasilia meridionalis*.
36. *S. ALATUM*, Hook. *Ic.* t. 219.—Souza Marchio, *Velloz, Fl. Flum.* vii. t. 1.—*Sisyrinchium* Marchio, Steud. *Nomenc.* edit. ii. 596. *America tropicalis*.

Var. *PAUCIFOLIUM*, Baker. *America tropicalis*.

37. *S. WEIRII*, Baker in Trimen, *Journ.* 1876, 268. *Brasilia meridionalis*.

Sectio III. *CEPHALANTHUM*, Baker. *Caules nudi. Spathæ plures sessiles in caput unicum congestæ.*

* *Caulis teres.*

38. *S. LUZULA*, Klotzsch; Klatt in *Linnæa*, xxxi. 89, 376. *Brasilia meridionalis*.
39. *S. LATERALE*, Baker in Trimen, *Journ.* 1876, 269. *Andes Boliviae*.
40. *S. FASCICULATUM*, Klatt in *Linnæa*, xxxi. 97. *Monte Video*.

** *Caulis anceps.*

41. *S. SELLOWIANUM*, Klatt in *Linnæa*, xxxi. 375; *Fl. Bras.* iii. 359, tab. 70. fig. 2. *Monte Video*.
42. *S. MARGINATUM*, Klatt in *Linnæa*, xxxi. 83. *Brasilia meridionalis*.
43. *S. PALMIFOLIUM*, Linn. *Mant.* 122, excl. syn.—*Glumosa palmifolia*, Herb. in Bot. Reg. 1843, Misc. 85.—*Marica palmifolia*, Ker, *Gen. Irid.* 20.—*Moræa palmifoila*, Thunb. *Diss.* No. 6.—*S. racemo-*

sum, *Pers. Syn.* i. 49.—*Moræa alata*, *Vahl, Enum.* i. 154.—*S. macrocephalum*, *Grah. in Edinb. New Phil. Journ.* 1833, 176.—*S. altissimum*, *Tenore, Atti della terz. riun.* 504.—*S. elatum*, *Seubert, MS. Brasilia meridionalis, Monte Video.*

Var. *S. CONGESTUM*, *Klatt in Linnæa*, xxxi. 98. *Brasilia meridionalis.*

Sectio IV. SPATHIRACHIS, *Klatt, ex parte. Caules foliati.*

Spathæ plures segregatæ spicatæ, laterales sessiles.

44. *S. MONOSTACHYUM*, *Baker in Trimen, Journ.* 1876, 268. *Monte Video.*

45. *S. SESSILIFLORUM*, *Pöppig, Fragm.* 2.—*S. Huismo, Dombey, MS. Chili.*

46. *S. CUSPIDATUM*, *Pöppig, Fragm.* 3.—*S. adenostemon, Philippi in Linnæa*, xxix. 63.—*S. flexuosum, Lindl. Bot. Reg.* sub t. 1067, non *Spreng.*—*S. arenarium, Pöppig, Fragm.* 3. *Andes Boliviae, Mendoza, et Chilenses.*

47. *S. STRIATUM*, *Smith, Icon. Pict.* t. 9; *Red. Lil.* t. 66; *Kerner, Hort.* t. 23.—*Marica striata, Ker in Bot. Mag.* t. 701.—*S. spicatum, Cav. Diss.* t. 104.—*Moræa sertata, Jacq. Hort. Schoen.* t. 11.—*S. lutescens, Lodd. Bot. Cab.* t. 1870.—*S. nigricans, C. Gay, Fl. Chil.* vi. 20. *Chili, Mendoza.*

48. *S. NERVOSUM*, *Philippi in Linnæa*, xxxiii. 251. *Chili.*

32. SOLENOMELUS, *Miers.*

Miers in Trans. Linn. Soc. xix. 95, t. 8.—*Symphystemon, Miers in Trans. Linn. Soc.* xix. 97.—*Cruckshankia, Miers, Travels*, ii. 259, non *Hook.*—*Psithyrisma, Herb. in Bot. Reg.* 1843, *Misc.* 84.—*Lechlera, Griseb. in Lechl. Pl. Chil. Exsic.* no. 2966.—*Susarium, Philippi in Linnæa*, xxxiii. 248.—*Chamælum, Philippi in Linnæa*, xxxiii. 250.

Perianthium regulare infundibulare, tubo supra ovarium distincte producto filiformi vel infundibulari recto vel curvato, segmentis conformibus oblongis vel lanceolatis flore expanso falcatis. *Stamina* 3 ad faucem tubi æquilateraliter inserta, filamentis in tubum prorsus connatis, antheris parvis oblongis basifixis. *Ovarium* triloculare, ovulis in loculo pluribus; *stylus* filiformis, ramis tribus brevibus subulatis falcatis integris. *Capsula* ob-

longa membranacea loculicide trivalvis, seminibus in loculo copiosis minutis triquetris, testa membranacea brunnea. *Herba perennes Magellanicae et Andinae habitu Sisyrinchii, radicibus fibrosis caespitosis, foliis anguste linearibus vel teretibus, spathis multifloris saepissimae solitariis terminalibus, valvis exterioribus lanceolato-navicularibus viridibus, interioribus membranaceis, floribus fugitivis successivis caeruleis luteis vel albidis, pedicellis demum ac spatha æquilongis.*

Subgenus I. *EUSOLENOMELUS*. *Tubus perianthii gracilis curvatus.*

1. *S. CHILENSIS*, Miers, loc. cit.—*Cruckshankia graminea*, Miers, *Travels*, ii. 529.—*Sisyrinchium pedunculatum*, Gillies in *Bot. Mag.* t. 2965.—*S. longistylum*, Lemaire in *Flore des Serres*, t. 255.—*Orthrosanthus chilensis*, Klotzsch, MS. *Chili*.

Var. *S. PUNCTATUS*, Miers in *Trans. Linn. Soc.* xix. 96. *Chili*.

Subgenus II. *LECHLERA* (Griseb.). *Tubus perianthii rectus gracilis*.—*Chamælum* et *Susarium*, ex parte, Philippi.

2. *S. ACAULIS*, Baker.—*Sisyrinchium acaule*, Klatt in *Linnæa*, xxxiv. 736. *Andes Boliviae*.
3. *S. CHAMÆLUM*, Baker.—*Chamælum luteum*, Philippi in *Linnæa*, xxxiii. 250. *Andes Chilenses*.
4. *S. NIGRICANS*, Baker.—*Susarium nigricans*, Philippi in *Linnæa*, xxxiii. 249. *Chili*.
5. *S. LECHLERI*, Baker.—*Lechlera Sisyrinchium*, Griseb. in *Lechl. Pl. Chil. Exsic.* no. 2966.—*Sisyrinchium Segethi*, Philippi in *Linnæa*, xxxiii. 249. *Andes Chilenses*.

Subgenus III. *SYMPHYSTEMON* (Miers). *Tubus perianthii rectus infundibularis dimidio inferiore cylindricus*.—*Psithyrisma*, Herbert.

6. *S. ANDINUS*, Baker.—*Sisyrinchium andinum*, Phil. in *Linnæa*, xxix. 62.—*Susarium andinum*, Phil. in *Linnæa*, xxviii. 250. *Andes Chilenses*.
7. *S. BIFLORUS*, Baker.—*Gladiolus biflorus*, Thunb. *Diss. Glad.* No. 5.—*Sisyrinchium narcissoides*, Cav. *Diss.* vi. t. 191. fig. 3.—*Galaxia narcissoides*, Willd. *Sp. Plant.* iii. 583.—*Sisyrinchium odoratissimum*, Lindl. *Bot. Reg.* t. 1283.—*Symphyostemon narcissoides*, Miers in *Trans. Linn. Soc.* xix. 97.—*Psithyrisma narcissoides et flexuosum*, Herb. in *Bot. Reg.* 1843, Misc. 84. *Chili et Patagonia*.

33. XIPHION, *Tournef.*

Tournef. Inst. i. 362, t. 189; *Miller, Gard. Dict.* edit. vi.—Xiphion § Euxiphion, *Parl. Fl. Ital.* iii. 304.—Chamoletta, *Adans. Famil.* 60.—Iris, *Linn. ex parte*.—Diaphane (ex parte) et Thelysia, *Salisb. in Trans. Hort. Soc.* i. 303.—Juno, *Tratt. Ausu.* i. 135.—Thelysia, *Parl. Fl. Ital.* iii. 316.—Costia, *Willk. in Bot. Zeit.* 1860, 131.—Coresanthe, *Alefeld in Bot. Zeit.* 1863, 298.

Perianthium regulare erectum, tubo supra ovarium subnullo vel elongato, limbi segmentis tribus exterioribus obovato-spathulatis flore expanso falcatis ungue imberbi raro parce barbato, tribus interioribus oblanceolatis erectis vel parvis inter ungues exteriorum patulis vel in § *Micropogon* prorsus obsoletis. *Stamina* 3 ad faucem tubi æquilateraliter inserta, stylis opposita, filamentis liberis erectis, antheris ligulatis basifixis filamentis subæquilongis. *Ovarium* cylindricum triloculare, ovulis in loculo crebris horizontalibus; *stylus* cum tubo concretus, ramis tribus magnis quadratis petaloideis apice cristis duabus magnis deltoideis præditis. *Capsula* magna oblonga chartacea loculicide trivalvis, seminibus globosis magnitudine pisi, testa crassa brunnea, albumine corneo. *Herbæ bulbosæ regionum Mediterraneæ et Orientis, bulbi tunicis brunneis membranaceis vel fibroso-reticulatis, foliis ensiformibus linearibus vel subulatis, caulibus productis vel nullis, spathæ sæpissime unifloræ valvis magnis lanceolatis, floribus speciosis lilacino-purpureis luteis vel albidis.*

Subgenus I. EUXIPHION. *Perianthii segmenta exteriora imberbia, interiora magna oblanceolata ascendentia.*

1. X. VULGARE, *Miller, Gard. Dict.* edit. 6.—X. angustifolium, *Tournef. Instit.* 364.—Iris Xiphium, *Linn. Sp. Plant.* 58, ex parte; *Bot. Mag.* t. 686; *Red. Lil.* t. 337.—Iris variabilis, *Jacq. Coll.* ii. 231. *Hispania, Gallia australis.*

Var. X. LUSITANICUM, *Alefeld in Bot. Zeit.* 1863, 297.—Iris lusitanica, *Ker in Bot. Mag.* t. 679.—I. juncea, *Brotero, Fl. Lusit.* i. 51, non *Desf. Lusitania.*

Var. X. SORDIDUM, *Salisb. in Trans. Hort. Soc.* i. 303. *Lusitania.*

Var. IRIS SEROTINA, *Willk. Prodr. Fl. Hisp.* i. 141. *Hispania.*

Var. IRIS SPECTABILIS, *Spach, Ann. Sc. Nat.* ser. iii. vol. v. 93, est verisimiliter hybridum hortense inter vulgarem et angustifolium.

2. X. LATIFOLIUM, *Miller, Gard. Dict.* edit. vi.—Iris xiphioides, *Ehrh.*

- Beitr.* vii. 140; *Bot. Mag.* t. 687; *Red. Lil.* t. 212.—I. *Xiphium*, *Linn. ex parte*.—I. *Xiphium*, *Jacq. Coll.* ii. 326.—I. *pyrenaica*, *Bubani*, *Sched. Crit.* 3. *Gallia australis*, *Hispania borealis*.
3. X. HISTRIO, *Hook. fil. Bot. Mag.* t. 6033.—Iris *Histrio*, *Reich. fil. in Bot. Zeit.* 1872, 488.—I. *Libani*, *Reuter*, *MS. Palestina*.
4. X. FONTANESII, *Baker in Gard. Chron.* 1876, 559.—I. *Fontanesii*, *Godr. Fl. France*, iii. 245.—I. *Xiphium*, *Desf. Fl. Atlant.* i. 37, non *Linn. Algeria*.
5. X. FILIFOLIUM, *Klatt in Linnæa*, xxxiv. 571; *Hook. fil. Bot. Mag.* t. 5928.—Iris *filifolia*, *Boiss. Voy. Esp.* 602, t. 170. *Hispania australis*.
- Var. LATIFOLIUM, *Baker*.—X. *tingitanum*, *Hook. fil. Bot. Mag.* t. 5981. non *Baker. Mauritania*.
6. X. JUNCEUM, *Klatt in Linnæa*, xxxiv. 570.—Iris *junceæ*, *Desf. Fl. Atlant.* i. 39, t. 4; *Bot. Mag.* t. 5890. non *Brotero*.—I. *imberbis*, *Poir. Voy. Barb.* ii. 85.—I. *mauritanica* (*Clusius, Cur. Post.* 24), *Ker in Bot. Mag. sub* t. 986.—*Diaphane stylosa*, *Salisb. in Trans. Hort. Soc.* i. 305. *Algeria, Mauritania, Sicilia, Italia*.
7. X. TINGITANUM, *Baker in Seem. Journ.* 1871, 13.—Iris *tingitana*, *Boiss. & Reut. Pugill.* 118. *Mauritania*.
8. X. RETICULATUM, *Klatt in Linnæa*, xxxiv. 572.—Iris *reticulata*, *M. Bieb. Fl. Taur. Cauc.* 34, t. 1; *Cent. Pl. Ross.* t. 11; *Sweet, Brit. Flow. Gard. ser.* ii. t. 189; *Lodd. Bot. Cab.* t. 1829; *Regel, Gartenf.* t. 452; *Bot. Mag.* t. 5577.—*Neubeckia reticulata*, *Alefeld in Bot. Zeit.* 1863, 297. *Oriens, Caucasus*.
- Var. KRELAGEI, *Regel, Animad.* 15. *Caucasus*.

Subgenus II. JUNO. *Perianthii segmenta exteriora imberbia ; interiora minuta inter unguis exteriorum patula.*

9. X. PLANIFOLIUM, *Miller, Gard. Dict. edit.* 6.—X. *alatum*, *Baker in Seem. Journ.* 1871, 108.—Iris *alata*, *Poir. Voy. Barb.* ii. 86; *Bot. Reg.* t. 1876.—*Thelysia alata*, *Parlat. Fl. Ital.* iii. 317.—*Coresanthe alata*, *Klatt in Linnæa*, xxxiv. 575, *ex parte*.—Iris *scorpioides*, *Desf. Fl. Atlant.* i. 40, t. 6; *Red. Lil.* t. 211.—*Juno scorpioides*, *Tratt. Ausw.* i. 145.—*Costia scorpioides*, *Willk. in Bot. Zeit.* 1860, 131.—*Neubeckia scorpioides*, *Alefeld in Bot. Zeit.* 1863, 297.—Iris *transtaganæ*, *Brotero, Fl. Lusit.* i. 52.—I. *trialata*, *Brotero, Phyt. Lus.* ii. 44, t. 95.—I. *microptera*, *Vahl, Enum.* ii. 142.—*Thelysia grandiflora*, *Salisb. in Trans. Hort. Soc.* i. 303. *Europa australis, Algeria.* (*De synonymis cf. Aschersen in Bot. Zeit.* 1864, 112.)
10. X. PERSICUM, *Miller, Gard. Dict.* vi.—Iris *persica*, *Linn. Sp. Plant.* 52; *Bot. Mag.* t. 1; *Red. Lil.* t. 189.—*Juno persica*, *Tratt.*

- Ausw.* i. 135.—*Costia persica*, Willk. in *Bot. Zeit.* 1860, 132.—*Coresanthe persica*, Alefeld in *Bot. Zeit.* 1863, 296. *Asia Minor, Persia.*
11. X. PALÆSTINUM, Baker in *Seem. Journ.* 1871, 108.—*Juno palæstina*, Klatt in *Bot. Zeit.* 1872, 498. *Palæstina.*
12. X. CAUCASICUM, Baker in *Seem. Journ.* 1871, 109.—*Iris caucasica*, Hoffm. *Comm. Soc. Phys. Med. Mosc.* i. 40; Sweet, *Brit. Flow. Gard.* t. 255.—*Juno caucasica*, Klatt in *Bot. Zeit.* 1872, 498.—*Thelysia caucasica*, Parl. *Fl. Ital.* iii. 317.—*Costia caucasica*, Willk. in *Bot. Zeit.* 1860, 132.—*Neubeckia caucasica*, Alefeld in *Bot. Zeit.* 1863, 297.—*Coresanthe caucasica*, Klatt in *Linnaea*, xxiv. 575. *Caucasus, Persia borealis.*
13. X. AITCHISONI, Baker in *Trimen, Journ.* 1875, 108. *Punjab.*
Var. CHRYSANTHUM, Baker. *Punjab.*
14. X. STOCKSII, Baker in *Gard. Chron.* 1876, 723. *Afghanistan, Beloochistan.*
15. X. AUCHERI, Baker in *Seem. Journ.* 1878, 110.—*Juno Aucheri*, Klatt in *Bot. Zeit.* 1872, 498.—*Iris fumosa*, Boiss. & Hauss. *Exsic. Syria.*

Subgenus III. MICROPOGON, Baker in *Trimen, Journ.* 1876, 265.
Perianthii segmenta exteriora unguibus parce barbatis; interiora prorsus obsoleta.

16. X. DANFORDIÆ, Baker in *Trimen, Journ.* 1876, 265. *Taurus Ciliciæ.*

34. SPHENOSTIGMA, Baker.

Alophia sp., Klatt.

Perianthium regulare erectum, tubo supra ovarium nullo, segmentis paulo difformibus obovato-spathulatis cuspidatis, interioribus distincte minoribus haud convolutis. *Stamina* 3 epigyna æquilateralia erecta, filamentis brevissimis liberis, antheris ligulatis erectis. *Ovarium* clavatum triloculare, ovulis in loculo crebris; *stylus* filiformis antheras superans, stigmatibus tribus parvis integris cuneatis. *Capsula* membranacea operculata clavata. *Semina* matura non vidi. *Herba* bulbosa brasiliensis, foliis paucis linearibus subpetiolatis plicatis, caulibus teretibus foliis, spathis singulis terminalibus cylindricis paucifloris, valvis lanceolatis striatis viridibus acutis, floribus violaceis successivis fugitivis, pedicellis ac spatha æquilongis.

1. S. SELLOWIANUM, Baker.—*Alophia Sellowiana*, Klatt in *Linnaea*, xxxi. 557; *Flor. Bras.* iii. 516, tab. 65. fig. 2. *Brasilia meridionalis.*

35. CIPURA, *Aublet*.

Aublet, Guian. 38, t. 13; *Klatt in Linnæa*, xxxi. 551.—*Marica, Schreb. Gen.* no. 81; *Ker, Gen. Irid.* 19, *ex parte, non Herbert*.

Perianthium regulare campanulatum, tubo supra ovarium brevissimo, segmentis dissimilibus, exterioribus majoribus obovato-spathulatis flore expanso patulis, interioribus minoribus obovatis erectis basi cuneatis diu conniventibus dorso concavis haud convolutis. *Stamina* 3 ad faucem tubi æquilateraliter inserta, antheris ligulatis erectis, filamentis libero subulato æquilongis. *Ovarium* clavatum triloculare, ovulis in loculo crebris; *stylus* erectus filiformis, ramis tribus oblongis integris petaloideis. *Capsula* clavata, membranacea, ex apice loculicide trivalvis, seminibus crebris obovoideis vel triquetris, testa atra membranacea, albumine corneo. *Herbæ bulbosæ paludosæ americanæ tropicales, bulbi tunicis brunneis membranaceis, foliis linearibus plicatis subpetiolatis vel teretibus, caule gracili tereti, spathis pluribus cylindricis multifloris in umbellam unicam terminalem folio unico bracteata congestis, valvis inæqualibus lanceolatis, pedicellis spathæ æquilongis, floribus albidis vel pallide cæruleis successivis fugitivis.*

1. *C. PALUDOSA*, *Aublet, loc. cit.*; *Klatt in Fl. Bras.* iii. 514, t. 64. fig. 1.—*Marica paludosa, Willd. Sp. Plant.* i. 246; *Ker in Bot. Mag.* t. 646.—*M. Cipura, Gmel. Syst. Veg.* 118.—*Cipura humilis et graminea, H. B. K. Nov. Gen.* i. 320. *America tropicalis tota.*

2. *C. CUBENSIS*, *Sauv. Fl. Cuba*, 166. *Cuba.*

36. ALOPHIA, *Herbert*.

Herbert in Bot. Mag. sub t. 3779; *Klatt in Linnæa*, xxxi. 556, excl. sp.—*Cypellæ* sp., *Graham*.

Perianthium regulare erectum, tubo supra ovarium subnullo, segmentis dissimilibus, exterioribus obovatis, interioribus minoribus navicularibus convolutis. *Stamina* 3 æqualiteralia, filamentis brevissimis, antheris panduriformibus connectivo lato. *Ovarium* clavatum triloculare, ovulis in loculo crebris; *stylus* triquetus, superne incrassatus, stigmatibus bifidis ramis subulatis recurvatis. *Capsula* oblonga membranacea operculata. *Herbæ bulbosæ texanæ, caulibus teretibus parce foliatis, foliis linearibus plicatis, spathis bifloris valvis inæqualibus acutis viridibus, floribus successivis fugitivis violaceis unguibus luteis maculatis.*

1. A. DRUMMONDIANA, *Herbert, loc. cit.*—Cypella Drummondii, *Grah. in Edinb. New Phil. Journ.* xx. 190. *Texas.*

Species mihi imperfecte cognitæ.

2. A. LINEARIS, *Klatt in Linnæa*, xxxi. 558.—*Moræa linearis*, *H. B. K. Nov. Gen.* i. 321. *Columbia, Guiana, et fide Klatt, Brasilia.*
3. A. GENICULATA, *Klatt in Mart. Fl. Bras.* iii. 517. *Brasilia centralis.*

37. LANSBERGIA, *De Vriese.*

De Vriese, Ind. Sem. Hort. Lug. Bat. 1846, 2; *Klatt in Linnæa*, xxxi. 547.—*Trimezia*, *Salisb. in Trans. Hort. Soc.* i. 308.—*Xanthocromyon*, *Karsten in Bot. Zeit.* 1847, 694.—*Poarchon*, *Mart. Syst. Mat. Med. Bras.* 77.—*Remaclea*, *Morren in Belg. Hort.* iii. 3, t. 1.—*Iridis*, *Cipuræ, Ferrariæ* sp. auct. vet.

Perianthium regulare erectum, tubo supra ovarium nullo, segmentis valde difformibus, exterioribus obovatis ascendentibus, interioribus multo minoribus panduriformibus basi cuneatis convolutis diu conniventibus. *Stamina* 3 epigyna æquilaterialia, filamentis liberis subulatis antheris æquilongis, antheris ligulatis ad styli ramos adglutinatis. *Ovarium* clavatum triloculare apice liberum, ovulis in loculo crebris; *stylus* cylindricus, apice incrassatus, ramis tribus cylindricis erecto-patentibus apice brevissime cristatis. *Capsula* oblonga membranacea vel coriacea operculata, ex apice loculicide trivalvis, seminibus in loculo crebris triquetris vel globosis, testa nigra obscura membranacea, albumine corneo. *Herbæ americanæ tropicales cormis duris præditis, foliis teretibus vel linearibus haud plicatis, caulibus teretibus nudis vel foliatis, spathis singulis vel paucis terminalibus cylindricis multifloris, valvis viridibus striatis acutis inæqualibus, floribus fugitivis successivis flavis, violaceis vel miniatis, pedicellis spathæ subæquilongis.*

Acaules.

1. L. JUNCIFOLIA, *Klatt in Linnæa*, xxxi. 549. *Brasilia centralis.*
2. L. VIOLACEA, *Klatt in Mart. Fl. Bras.* iii. 526. *Brasilia centralis.*
3. L. CATHARTICA, *Klatt in Linnæa*, xxxi. 549.—*Ferraria cathartica*, *Mart. Reise*, ii. 547. *Brasilia centralis.*
4. L. MONTICOLA, *Klatt in Mart. Fl. Bras.* iii. 526. *Brasilia centralis.*
5. L. PURGANS, *Klatt in Mart. Fl. Bras.* iii. 527.—*Ferraria purgans*, *Mart. Reise*, ii. 547. *Brasilia centralis.*

Caulescentes.

6. *L. MARTINICENSIS*, Baker.—*Iris martinicensis*, Linn. *Sp.* 58 ; *Bot. Mag.* t. 416 ; *Red. Lil.* t. 172 ; *Descourt. Ant.* t. 252 ; *Jacq. Hist. Stirp. Am.* t. 10.—*Cipura martinicensis*, H. B. K. *Nov. Gen.* i. 320 ; *Ref. Bot.* 310.—*Marica martinicensis*, Ker in König & Sims, *Ann.* i. 225.—*Vieusseuxia martinicensis*, DC. in *Ann. Mus.* ii. 138.—*Trimezia lurida*, Salisb. in *Trans. Hort. Soc.* i. 280.—*Lansbergia caracasana*, De Vriese, *Ind. Sem. Lug. Bat.* 1846, 2 ; *Klatt in Fl. Bras.* iii. 527, tab. 57. fig. 2.—*Xanthocromyon Herberti*, Karsten in *Bot. Zeit.* 1847, 694.—*Sisyrinchium galaxioides*, Gomes in *Act. Acad. Uliss.* iii. ; *Mem. Corr.* 99.—*Poarchon fluminensis*, Allem. in *Trans. Soc. Vellos.* No. 24, cum icone.—*Sisyrinchium fluminense*, Vellos. *Fl. Flum.* ix. t. 68.—*Remaclea funebris*, Morren in *Belg. Hort.* iii. 3, t. 1 ; *Klatt in Mart. Fl. Bras.* iii. 528, t. 68. fig. 1. *America tropicalis.*
7. *L. SPATHATA*, Klatt in *Mart. Fl. Bras.* iii. 528. *Brasilia centralis.*

38. *HESPEROXIPHON*, Baker.

Cypellæ, *Ferrariæ* et *Polia* sp. auct.

Perianthium regulare erectum, tubo supra ovarium nullo, segmentis valde difformibus, exterioribus obovato-spathulatis flore expanso patulis, interioribus multo minoribus panduriformibus convolutis diu conniventibus. *Stamina* 3 epigyna æquilateralia, filamentis brevibus erectis deltoideis, antheris ligulatis basifixis styli ramis oppositis. *Ovarium* clavatum trilobulare apice liberum, ovulis in loculo crebris ; *stylus* filiformis, stigmatibus magnis quadratis petaloideis, apice cristis tribus deltoideis instructis, intermedia multo minore. *Capsula* clavata membranacea. *Semina* non vidi. *Herbæ bulbosæ americanæ, foliis petiolatis plicatis, caulibus teretibus simplicibus vel parce ramosis, spathis paucifloris pedunculatis valvis lanceolatis acutis, floribus speciosis fugitivis luteis, segmentorum unguibus pallidis maculatis.*

1. *H. PUSILLUM*, Baker.—*Ferraria pusilla*, Link & Otto, *Ic.* t. 59.—*Polia pusilla*, Klatt in *Linnæa*, xxxi. 545.—*Herbertia pusilla*, Sweet, *Brit. Flow. Gard.* edit. 2, 497. *Brasilia meridionalis.*
2. *H. PERUVIANUM*, Baker.—*Cypella peruviana*, Baker in *Bot. Mag.* t. 6213. *Andes peruvianæ.*

39. *PHALOCALLIS*, Herbert.

Herbert in Bot. Mag. t. 3710 ; *Klatt in Linnæa*, xxxi. 536.—*Cypellæ* sp., Lindl.

Perianthium erectum, tubo supra ovarium nullo, limbi campanu-

lati segmentis difformibus, exterioribus majoribus obovato-spathulatis flore expanso falcatis, interioribus minoribus obovato-unguiculatis convolutis. *Stamina* 3 epigyna erecta, filamentis brevissimis deltoideis liberis, antheris medio constrictis connectivo lato, superne ad styli ramos adglutinatis. *Ovarium* clavatum triloculare, ovulis in loculo crebris; *stylus* erectus deorsum filiformis, superne cyathiformis trigonus, stigmatibus cristis 2 deltoideis petaloideis transversalibus præditis, basi obscure appendiculatis. *Capsula* clavata membranacea obscure operculata indehiscens, seminibus discoideis anguste alatis. *Herba bulbosa brasiliensis, bulbi tunicis brunneis membranaceis, foliis linearibus plicatis petiolatis, caulibus parce ramosis teretibus foliatis, spathis terminalibus pedunculatis multifloris valvis lanceolatis firmis striatis, pedicellis spathæ æquilongis, floribus magnis successivis fugitivis lilacinis segmentorum unguibus luteo et rubro maculatis.*

1. P. PLUMBÆA, *Herbert, loc. cit.*; *Flore des Serres*, t. 395 & 1466; *Klatt in Mart. Fl. Bras.* iii. 518, tab. 66. fig. 1.—*Cypella plumbea, Lindl. in Bot. Reg.* t. 24.—*Tigridia cœlestis, Otto MS. Brasilia meridionalis.*

40. CYPELLA, *Herbert.*

Herbert in Bot. Mag. sub t. 2637; *Endlich. Gen.* No. 1228.—*Polia, Tenore, Rev. Bot.* ii. 126; *Klatt in Linnæa*, xxxi., 543.—*Marica, Ker, Gen. Irid.* 19, *ex parte.*—*Moreæ sp., Lindl.*

Perianthium regulare erectum, tubo supra ovarium nullo, segmentis valde difformibus, exterioribus obovato-cuneatis flore expanso patulis, interioribus multo minoribus panduriformibus convolutis diu conniventibus. *Stamina* 3 epigyna, filamentis planis brevibus liberis, antheris erectis ligulatis basifixis. *Ovarium* clavatum triloculare apice liberum, ovulis in loculo crebris; *stylus* filiformis, ramis tribus apice turbinatis bifidis, ramulis tricuspidatis, cuspidē centrali producta, lateralibus multo minoribus, exteriore patula. *Capsula* clavata membranacea operculata trivalvis, seminibus parvis triquetris, testa brunnea, albumine corneo. *Herbæ bulbosæ brasilienses et bonarienses, bulbi tunicis brunneis membranaceis, foliis paucis superpositis linearibus plicatis, caulibus teretibus fragilibus sæpissime ramosis, spathis paucifloris pedunculatis cylindricis valvis viridibus lanceolatis acutis, floribus successivis fugitivis luteis vel ceruleis.*

1. C. HERBERTI, *Herb. in Bot. Mag. sub t. 2637*; *Sweet, Brit. Flow.*

Gard. ser. ii. t. 33.—*Tigridia Herbertiana*, *Herbert in Bot. Mag. t. 2599.*—*Moræa Herberti*, *Lindl. in Bot. Reg. t. 949.*—*Marica Herbertiana*, *Ker, Gen. Irid. 19.*—*Polia bonariensis*, *Ten. Rev. Bot. ii. 127. Bonaria.*

Var. *POLIA RAMOSA*, *Klatt in Linnæa, xxxi. 544. Monte Video et Brasilia meridionalis.*

2. *C. GRACILIS*, *Baker.*—*Polia gracilis*, *Klatt in Linnæa, xxxi. 545. Brasilia, Monte Video.*

41. *MORÆA*, *Miller.*

Miller, Icon. t. 238; Dict. edit. vi. ex parte; Linn. Gen. No. 60, ex parte; Ker, Gen. Irid. 31, ex parte; Klatt in Linnæa, xxxiv. 557.—*Iris*, *Thunb. Diss. ex parte.*—*Helixyra*, *Salisb. in Trans. Hort. Soc. i. 305.*—*Gynandriris*, *Parl. Nuov. Gen. 49; Klatt in Linnæa, xxxiv. 576.*—*Hymenostigma*, *Hochst. in Flora, 1844, 24.*—*Freuchenia*, *Eckl. Top. Verz. 14.*—*Vieusseuxia*, *Eckl. Top. Verz. 11, ex parte, non Delaroché.*

Perianthium regulare erectum, tubo supra ovarium nullo vel producto, segmentis difformibus, exterioribus oblongo-vel obovato-unguiculatis supra medium flore expanso patulis unguibus nudis vel obscure barbatis, interioribus subæquilongis angustioribus. *Stamina* 3 epigyna vel perigyna æquilateralia stigmatibus opposita, filamentis sæpissime inferne coalitis superne liberis, antheris ligulatis erectis basifixis. *Ovarium* clavatum 3-loculare, ovulis in loculo crebris; *stylus* filiformis, stigmatibus tribus planis petaloideis apice cristis 2 petaloideis præditis. *Capsula* oblongo-trigona membranacea vel coriacea loculicide trivalvis, seminibus triquetris, testa brunnea, albumine corneo. *Herbæ bulbosæ vel tuberosæ, tunicis fibrosis vel cancellatis, foliis paucis superpositis planis vel teretibus interdum pilosis, caulibus teretibus simplicibus vel ramosis, spathis paucifloris pedunculatis, valvis exterioribus firmis lanceolatis acutis, floribus sæpissime fugitivis lilacinis vel luteis.*

Subgenus I. *EUMORÆA.* *Perianthii tubus obsoletus. Stamina epigyna.*

* *Nanæ.*

1. *M. PAPILONACEA*, *Ker in Bot. Mag. t. 750.*—*Iris papilionacea*, *Linn. fil. Suppl. 98; Thunb. Diss. No. 37, tab. 2. fig. 1; Jacq. Coll. Suppl. 159, tab. 3. fig. 2.*—*Moræa ciliata*, *Herb. Drege.*—*Vieusseuxia ciliata et nervosa*, *Eckl. Top. Verz. 11-12.*—*Moræa hirsuta*, *Ker, Gen. Irid. 43.*—*Iris hirsuta*, *Licht. in Roem. & Schult. Syst. Veg. i. 478. C. B. Spei.*

2. *M. FIMBRIATA*, Klatt in *Linnaea*, xxxiv. 561. C. B. *Spei*.
3. *M. CILIATA*, Ker in König & Sims, *Ann.* i. 241; *Bot. Mag.* t. 1061.
—*Iris ciliata*, Linn. *fil. Suppl.* 98. C. B. *Spei*.
4. *M. BARBIGERA*, Salisb. in *Trans. Hort. Soc.* i. 306.—*M. ciliata*, var.,
Ker in *Bot. Mag.* t. 1012.—? *M. pilosa*, Wendl. *Obs. Bot.* 45. C. B.
Spei.
5. *M. TRICOLOR*, Andr. *Bot. Rep.* t. 83. C. B. *Spei*.
6. *M. MINUTA*, Ker in König & Sims, *Ann.* i. 219.—*Iris minuta*, Linn.
fil. Suppl. 98. C. B. *Spei*.
7. *M. POLYPHYLLA*, Baker. C. B. *Spei*.
8. *M. GALAXIOIDES*, Baker. *Transvaal*.

** *Simplicicaules.*

9. *M. LURIDA*, Ker in *Bot. Reg.* t. 312. C. B. *Spei*.
10. *M. ANGUSTA*, Ker in *Bot. Mag.* t. 1276.—*Iris angusta*, Thunb.
Diss. No. 28. C. B. *Spei*.
11. *M. ZAMBESIACA*, Baker. *Terra fluminis Zambesi*.
12. *M. TEXTILIS*, Baker. *Angola*.
13. *M. WELWITSCHII*, Baker. *Angola*.
14. *M. GRACILIS*, Baker. *Angola*.
15. *M. DIVERSIFOLIA*, Baker.—*Xiphion diversifolium*, Klatt in *Linnaea*,
xxxiv. 572.—*Vieusseuxia Schimperii et tridentata*, Hochst. in *Schimp.*
Pl. Abyss. No. 1296.—*Hymenostigma Schimperii et tridentatum*,
Hochst. in *Flora*, 1844, 24–25.—*Iris diversifolia*, Steud. in *Schimp.*
Pl. Abyss. No. 1173. *Abyssinia*.

*** *Edules.*

16. *M. SETACEA*, Ker in König & Sims, *Ann.* i. 240.—*Iris setifolia*,
Linn. *fil. Suppl.* 99.—*Iris setacea*, Thunb. *Diss.* No. 29, tab. 1. fig. 2.
—*Vieusseuxia setacea*, Eckl. *Top. Verz.* 13. C. B. *Spei*.
17. *M. JUNCEA*, Linn. *Sp. edit.* 2, 59 (*Linn. herb. ! an Miller ?*). C. B.
Spei.
18. *M. PLUMARIA*, Ker in König & Sims, *Ann.* i. 240.—*Iris plumaria*,
Thunb. *Diss.* No. 16.—*Vieusseuxia plumaria*, Eckl. *Top. Verz.* 14.—
Moræa iriopetala, Linn. *Suppl.* 100.—*M. vegeta*, Linn. *herb. ! non*
Miller. C. B. *Spei*.
19. *M. POLYANTHOS*, Thunb. *Diss.* No. 14.—*Vieusseuxia graminifolia*,
Eckl. *Top. Verz.* 11. C. B. *Spei*.
20. *M. EDULIS*, Ker in König & Sims, *Ann.* i. 241; *Bot. Mag.* t. 613.

- Iris edulis*, *Linn. Suppl.* 98.—*I. capensis*, *Burm. Prodr.* 2.—*Moræa vegeta*, *Jacq. Ic.* t. 224, non *Miller*.—*M. fugax*, *Jacq. Hort. Vind.* iii. 14, t. 20.—*Iris Sisyrinchium*, *Red. Lil.* t. 458, non *Linn.*—*Vieusseuxia edulis*, *Eckl. Top. Verz.* 14. *C. B. Spei.*
- Var. *M. ODORA*, *Salisb. Parad. Lond.* t. 10. *C. B. Spei*
- Var. *M. LONGIFOLIA*, *Sweet, Hort. Brit. edit.* 2, 497.—*Iris longifolia*, *Schneev. Ic.* t. 20; *Andr. Bot. Rep.* t. 45.—*Moræa edulis*, var., *Ker in Bot. Mag.* t. 1238.—*Vieusseuxia longifolia*, *Eckl. Top. Verz.* 14. *C. B. Spei.*
21. *M. SPITHAMÆA*, *Baker. Angola.*
22. *M. ANDONGENSIS*, *Baker. Angola.*
23. *M. TRISTIS*, *Ker in König & Sims, Ann.* i. 241.—*Iris tristis*, *Linn. fil. Suppl.* 97; *Ker in Bot. Mag.* t. 577.—*Vieusseuxia tristis*, *Eckl. Top. Verz.* 11.—*M. sordescens*, *Jacq. Ic.* t. 225; *Red. Lil.* t. 71.—*M. iriopetala*, var., *Willd. Sp. Plant.* i. 244; *Miller, Icones*, tab. 238. *C. B. Spei.*
24. *M. GLUTINOSA*, *Baker. Angola.*
25. *M. POLYSTACHA*, *Ker in König & Sims, Ann.* i. 240.—*Iris polystachya*, *Thunb. Diss.* No. 41.—*Vieusseuxia polystachya*, *Eckl. Exsicc.* —*Iris lacera*, *Lam. Encyc.* iii. 304. *C. B. Spei.*
26. *M. SPATHACEA*, *Ker in Bot. Mag. sub* t. 1103.—*Iris spathacea*, *Thunb. Diss.* No. 23.—*I. spathulata*, *Linn. Suppl.* 99.—*Moræa longispatha*, *Klatt in Linnæa*, xxxiv. 360.—*Diets Huttoni*, *Bot. Mag.* t. 6174. *C. B. Spei.*
27. *M. GIGANTEA*, *Klatt in Linnæa*, xxxv. 381. *C. B. Spei.*
- **** *Candelabra.*
28. *M. CANDELABRUM*, *Baker. Angola.*
29. *M. CRISPA*, *Ker in Bot. Mag.* t. 759 & 1284.—*Iris crispa*, *Linn. fil. Suppl.* 98.—*Vieusseuxia crispa*, *Eckl. Top. Verz.* 12. *C. B. Spei.*
- Var. *M. UNDULATA*, *Ker, Gen. Irid.* 43.—*M. crispa*, *Thunb. Diss.* No. 17. *C. B. Spei.*
30. *M. BITUMINOSA*, *Ker in König & Sims, Ann.* i. 240; *Bot. Mag.* t. 1045.—*Iris bituminosa*, *Linn. fil. Suppl.* 98.—*Vieusseuxia bituminosa*, *Eckl. Top. Verz.* 14. *C. B. Spei.*
31. *M. VISCARIA*, *Ker in König & Sims, Ann.* i. 240.—*Iris viscaria*, *Linn. fil. Suppl.* 98.—*Vieusseuxia viscaria*, *Eckl. Top. Verz.* 12. *C. B. Spei.*
32. *M. RAMOSA*, *Ker in Bot. Mag.* t. 771.—*Iris ramosa*, *Thunb. Diss.* No. 24.—*Iris ramosissima*, *Linn. fil. Suppl.* 99.—*Moræa racemosa*, *Herb. Drege.*—*M. bulbifera*, *Jacq. Hort. Schoen.* t. 197; *Bot. Mag.* t. 5785.—*Freuchenia bulbifera*, *Eckl. Top. Verz.* 14. *C. B. Spei.*

Subgenus II. *HELIXYRA*. *Perianthii tubus productus. Stamina perigyna. Sisyrinchium, Adans., non Linn.*—*Gynandriris, Parl.*

33. *M. SISYRINCHIUM*, *Ker in König & Sims, Ann.* i. 241; *Bot. Mag.* t. 1407.—*Iris Sisyrinchium, Linn. Sp. Plant.* edit. ii. 59; *Cav. Ic.* t. 193; *Sibth. & Smith, Fl. Græc.* t. 42; *Red. Lil.* t. 29.—*Gynandriris Sisyrinchium, Parl. Nuov. Gen.* 49.—*Xiphion Sisyrinchium, Baker in Seem. Journ.* 1871, 42; *Bot. Mag.* t. 6096.—*Diaphane edulis, Salisb. in Trans. Hort. Soc.* i. 304. *Regio Mediterranea, Oriens, Afghanistan.*

Var. *MINOR, Cambes. Enum. Balear.* 142.—*Iris monophylla, Boiss. & Held. Eæsic.*—*I. Sisyrinchium, var. monophylla, Held. in Atti Cong. Intern. Firenz.* 234.—*Gynandriris monophylla, Klatt in Linnæa, xxxiv.* 578, *ex parte.*

Var. *I. SAMARITANII, Held. in Atti Inter. Cong. Firenz.* 234. *Ægyptus.*

Var. *ÆGYPTIA.*—*Iris ægyptia, Delile, Fl. Arab.* 6.

Var. *M. FUGAX, Tenore, Syll.* 46.—*Iris fugax, Tenore, Fl. Neap.* i. 15, t. 14.—*M. Tenoreana, Sweet, Brit. Flow. Gard.* t. 110.

34. *M. BURCHELLII, Baker. C. B. Spei.*

35. *M. LONGIFLORA, Ker in Bot. Mag.* t. 712.—*Helixyra flava, Salisb. in Trans. Hort. Soc.* i. 305. *C. B. Spei.*

42. *VIEUSSEUXIA, Delaroche.*

Delaroche, Diss. xxxi. t. 5; *DC. in Mém. Mus.* ii. 136, *cum icone*; *Klatt in Linnæa, xxxiv.* 620; *Eckl. Top. Verz.* 11, *ex parte.*—*Moræa, Ker, Gen. Irid.* 35, *ex parte.*—*Iris, Linn. fil. et Thunb. Diss. ex parte.*

Perianthium regulare erectum, tubo supra ovarium nullo, segmentis valde difformibus, exterioribus obovatis unguiculatis flore expanso patulis, interioribus multo minoribus longe unguiculatis lamina parva sæpissime rhomboidea tricuspidata instructis. *Stamina* 3 æquilaterialia epigyna stigmatibus opposita, filamentis in tubum cylindricum prorsus connatis, antheris ligulatis erectis basifixis. *Ovarium* clavatum triloculare, ovulis in loculo crebris; *stylus* filiformis, ramis stigmatis planis petaloideis apice cristis 2 lanceolatis petaloideis præditis. *Capsula* clavata membranacea ab apice loculicide trivalvis, seminibus parvis triquetris, testa brunnea, albumine corneo. *Herbæ bulbosæ capenses, bulbi tunicis fibrosis, foliis angustissimis superpositis duris, caulibus gracillimis teretibus simplicibus vel ramosis, spathis paucifloris*

terminalibus pedunculatis valvis firmis viridibus lanceolatis acutis, floribus successivis fugitivis.

1. *V. TRIPETALOIDES*, DC. in *Ann. Mus.* ii. 138.—*Moræa tripetala*, Ker in *Bot. Mag.* t. 702.—*Iris tripetala*, Linn. *Suppl.* 92; Jacq. *Ic.* t. 221. C. B. *Spei.*
2. *V. MUTILA*, Klatt in *Linnaea*, xxxiv. 621.—*Iris mutila*, Licht. in *Roem. & Schult. Syst. Veg.* i. 477. C. B. *Spei.*
3. *V. UNGUICULARIS*, Roem. & Schult. *Syst. Veg.* i. 491.—*Moræa unguiculata*, Ker in *Bot. Mag.* t. 593. C. B. *Spei.*
4. *V. TRICUSPIS*, Spreng. *Syst. Veg.* i. 165.—*V. aristata*, Houtt. *Handl.* xii. 105, t. 80, non Delaroche.—*Iris tricuspidata*, Linn. *fl. Suppl.* 98.—*Moræa tricuspis*, Ker in *Bot. Mag.* t. 696.—*Iris tricuspis*, Jacq. *Ic.* t. 222. fig. sinistr. C. B. *Spei.*
5. *V. GLAUCOPIS*, DC. in *Ann. Mus.* ii. 141; *Red. Lil.* t. 42; *Flore des Serres*, t. 423.—*Iris pavonia*, Curt. *Bot. Mag.* t. 168, non aliorum.—*I. tricuspis*, Jacq. *Coll.* iv. t. 9. fig. 1.—*Moræa tricuspis*, var., Ker in *Bot. Mag.* sub t. 696. C. B. *Spei.*
6. *V. TENUIS*, Roem. & Schult. *Syst. Veg.* i. 491.—*Iris tricuspis*, var., Jacq. *Ic.* t. 222. fig. dextr.—*Moræa tenuis*, Ker in *Bot. Mag.* t. 1047.—? *Iris gracilis*, Licht. in *Roem. & Schult. Syst. Veg.* i. 477. C. B. *Spei.*
7. *V. SPIRALIS*, Delaroche, *Diss.* xxxi. t. 5.—*Moræa tricuspis*, var. *lutea*, Ker in *Bot. Mag.* t. 772.—*V. Bellendeni*, Sweet, *Hort. Brit.* edit. ii. 498. C. B. *Spei.*
8. *V. PAVONIA*, DC. in *Ann. Mus.* ii. 139.—*Iris pavonia*, Linn. *Suppl.* 98; Thunb. *Diss.* No. 35, tab. 1. fig. 3; Jacq. *Hort. Schoen.* t. 10; Andr. *Bot. Rep.* t. 61.—*Moræa pavonia*, Ker in *Bot. Mag.* t. 1247. C. B. *Spei.*
9. *V. VILLOSA*, Spreng. *Syst. Veg.* i. 165.—*Iris villosa*, Ker in *Bot. Mag.* t. 571.—*Moræa pavonia*, Ker in König & Sims, *Ann.* i. 240.—*Iris tricuspis*, var., Thunb. *Diss.* No. 15. C. B. *Spei.*

Species mihi incognitæ.

10. *V. FUGAX*, Delaroche, *Diss.* 33. C. B. *Spei.*
11. *V. ARISTATA*, Delaroche, *Diss.* 33. C. B. *Spei.*

43. *HERBERTIA*, Sweet.

Sweet, Brit. Flow. Gard. t. 222; Klatt in *Linnaea*, xxxi. 553.—*Trifurcia*, Herbert in *Bot. Mag.* sub t. 3779.—*Roterbe*, Steud. in *Leichler, Pl. Peruv.* No. 398, non Klatt.

Perianthium regulare erectum, tubo supra ovarium nullo, seg-

mentis valde difformibus, exterioribus obovato-cuneatis obtusis cuspidatis, interioribus multo minoribus planis sæpissime oblan-
ceolatis acutis. *Stamina* 3 epigyna, filamentis in tubum cylindricum prorsus connatis, antheris sessilibus ligulatis ascendentibus. *Ovarium* clavatum triloculare, ovulis in loculo crebris; *stylus* filiformis, ramis stigmatosis subulatis vel appplanatis integris vel 2-3-cuspidatis. *Capsula* coriacea clavata operculata apice loculicide trivalvis, seminibus crebris minutis turgidis testa atro-brunnea, albumine corneo. *Herbæ Americanæ bulbosæ humiles, bulbi tunicis membranaceis brunneis, foliis linearibus plicatis, caulibus teretibus sæpissime simplicibus, spathis paucifloris cylindricis terminalibus pedunculatis valvis lanceolatis acutis, pedicellis spathæ subæquilongis, floribus parvis successivis fugitivis cæruleis.*

Texanæ.

1. *H. DRUMMONDIANA*, Herbert in *Bot. Reg.* xxviii. Misc. 65. *Texas*.
2. *H. CÆRULEA*, Herbert in *Bot. Mag.* 3862, fig. d, e, f.—*Trifurcia cærulea*, Herb. in *Bot. Mag.* sub t. 3779. *Texas*.

Austro-Americana.

3. *H. PULCHELLA*, Sweet, *Brit. Flow. Gard.* t. 222; *Lodd. Bot. Cab.* t. 1547; *Herb. in Bot. Mag.* t. 3862, figs. 1 & 2.—*Roterbe bulbosa*, Steud. in *Lech. Pl. Chil.* No. 298.—*H. cærulea*, Klatt, *Linnæa*, xxxi. 554, non Herbert. *Chili, Brasilia meridionalis, Bonaria.*
4. *H. UMBELLATA*, Klatt in *Linnæa*, xxxi. 555; *Fl. Bras.* iii. 350, tab. 69. fig. 1. *Brasilia meridionalis.*
5. *H. BRASILIENSIS*, Baker.—*H. Drummondiana*, Klatt in *Linnæa*, xxxi. 555, non Herbert. *Brasilia meridionalis.*
6. *H. UNGUICULATA*, Baker. *Brasilia meridionalis.*

44. *RIGIDELLA*, Lindl.

Lindl. in Bot. Reg. 1840, t. 16, *Misc.* No. 64.

Perianthium regulare cernuum vel erectum, tubo supra ovarium nullo, segmentis valde difformibus, exterioribus oblongo-unguiculatis flore expanso ad medium reflexis vel patulis, interioribus minutis occultis cordato-ovatis cuspidatis unguiculatis. *Stamina* 3 epigyna æquilateralia stigmatibus opposita, filamentis in tubum cylindricum prorsus connatis, antheris ligulatis erectis. *Ovarium* clavatum triloculare, ovulis in loculo

crebris; *stylus* filiformis, stigmatibus tribus tripartitis ramulis subulatis exterioribus productis centrali brevissimo cornuto. *Capsula* clavata operculata, apice loculicide trivalvis, seminibus globosis, testa brunnea, raphe et chalaza conspicuis, albumine corneo. *Herbæ bulbosæ Mexicanæ et Guatemalenses, bulbi tunicis brunneis membranaceis, foliis loratis plicatis, caulibus teretibus ramosis, spathis multifloris valvis exterioribus viridibus lanceolatis, floribus splendide coccineis successivis fugitivis.*

1. R. FLAMMEA, *Lindl. loc. cit. Mexico.*
2. R. IMMACULATA, *Herbert in Bot. Reg. 1841, t. 68. Guatemala.*
3. R. ORTHANTHA, *Paxton, Mag. xiv. 121, cum iconē. Mexico.*

45. HYDROTÆNIA, *Lindl.*

Lindl. in Bot. Reg. 1838, Misc. 128.

Perianthium regulare cernuum campanulatum, tubo supra ovarium nullo, segmentis paullo difformibus, exterioribus oblongis acutis diu ascendentibus, interioribus æquilongis oblongo-quadratis obtusis cuspidatis basi cordatis breviter unguiculatis supra unguem maculatum zona transversali deltoidea crystallina instructis. *Stamina* 3 æquilateralia epigyna, filamentis in tubum cylindricum prorsus connatis, antheris stigmatibus oppositis ligulatis suberectis connectivo lato breviter producto apiculatis. *Ovarium* clavatum triloculare, ovulis in loculo crebris; *stylus* filiformis, ramis stigmatosis trifurcatis ramulis appianatis exterioribus elongatis, centrali brevi. *Capsula* clavata membranacea operculata. Semina non vidi. *Herba bulbosa Mexicana, bulbi tunicis brunneis membranaceis, foliis superpositis plicatis, caulibus teretibus ramosis, spathis paucifloris, valvis lanceolatis viridibus, floribus successivis fugitivis.*

1. H. MELEAGRIS, *Lindl. loc. cit.; Bot. Reg. xxxviii. t. 39. Mexico.*

46. TIGRIDIA, *Juss.*

Juss. Gen. 57; Ker, Gen. Irid. 25; Klatt in Linnæa, xxxi. 550.
—*Beatonia, Herbert in Bot. Mag. sub t. 3779; Klatt in Linnæa, xxxi. 565.*—*Ferrariæ et Moreæ sp. auct. vet.*

Perianthium regulare erectum, tubo supra ovarium nullo, segmentis valde difformibus, exterioribus oblongis, interioribus

panduriformibus convolutis multo minoribus. *Stamina* 3 epigyna, filamentis in tubum cylindricum prorsus connatis, antheris sessilibus ligulatis suberectis. *Ovarium* clavatum triloculare, ovulis in loculo crebris; *stylus* filiformis, ramis stigmatosis subulatis profunde bifidis. *Capsula* membranacea clavata operculata triloculicide trivalvis, seminibus parvis angulatis, testa brunnea, albumine corneo. *Herbæ bulbosæ Americanæ tropicales, foliis paucis superpositis linearibus plicatis, caulibus teretibus simplicibus vel parce ramosis, spathis pedunculatis terminalibus paucifloris, valvis exterioribus viridibus lanceolatis acutis, pedicellis elongatis, floribus speciosis successivis fugitivis.*

* EUTIGRIDIA. *Grandiflora, stigmatibus secus stylos decurrentibus.*

1. T. PAVONIA, *Ker in König & Sims, Ann.* i. 246.—*Ferraria Pavonia*, *Linn. fil. Suppl.* 407; *Cav. Diss.* vi. 342, t. 189. fig. 1; *Andr. Bot. Rep.* t. 178; *Red. Lil.* t. 6; *Lodd. Bot. Cab.* t. 1424; *Klatt in Mont. Fl. Bras.* iii. t. 70.—*F. Tigridia*, *Ker in Bot. Mag.* t. 532.—*Morea Tigridia*, *Thunb. Diss.* No. 20.—*Tigridia grandiflora*, *Satish. in Trans. Hort. Soc.* i. 309. *Mexico, Guatemala.*

Var. T. CONCHIFLORA, *Sweet, Brit. Flow. Gard.* t. 128; *Pact. Mag.* xiv. 53; *Flore des Serres*, t. 908–910; *Ann. Gand.* 1847, t. 145.—*T. oxypetala*, *Morison, Fl. Conspic.* t. 20. *Mexico.*

** BEATONIA. *Parvifloræ, stigmatibus ad apicem stylorum capitatis.*

2. T. LUTEA, *Link, Klotzsch & Otto, Ic.* t. 34; *Baker in Bot. Mag.* t. 6295.—*Sisyrinchium grandiflorum*, *Cav. Ic.* t. 192 (mala).—*Beatonia lutea*, *Klatt in Linnæa*, xxxi. 566. *Peruvia et Chili.*
3. T. VIOLACEA, *Schiede; Schlecht. in Otto & Dietr. Gartenzeit.* 1838, 233; *Link, Klotzsch & Otto, Ic.* t. 20.—*Beatonia purpurea*, *Herb. in Bot. Mag. sub t.* 3779. *Mexico.*
4. T. VAN HOUTTEI, *Roehl in Flore des Serres*, t. 2174. *Mexico.*
5. T. ATRATA, *Baker.*—*Beatonia atrata*, *Herb. in Bot. Reg.* 1843, *Misc.* 72. *Mexico.*
6. T. CURVATA, *Baker.*—*Beatonia curvata*, *Herb. in Bot. Reg.* 1843, *Misc.* 74. *Mexico.*

47. IRIS, *Tourn.*

Tourn. Instit. t. 186–8; *Linn. Gen.* No. 59, ex parte; *Ker, Gen.*

Irid. 45, ex parte; *Spach, Veg. Phan.* xiii. 12; *Klatt in Linnæa*, xxxiv. 591.—*Evansia*, *Salisb. in Trans. Hort. Soc.* i. 303.—*Dietes*, *Salisb. in Trans. Hort. Soc.* i. 307; *Klatt in Linnæa*, xxxiv. 583.—*Xiphion*, *Parl. Fl. Ital.* iii. 293, ex parte; *Alefeld in Bot. Zeit.* 1863, 296, ex parte.—*Neubeckia*, *Alefeld in Mohl & Schlecht. Bot. Zeit.* xxi. 1863, 297; *Klatt in Linnæa*, xxxiv. 587.—*Oncocyclus*, *Siem. in Mohl. & Schlecht. Bot. Zeit.* 1846, 705; *Klatt in Linnæa*, xxxiv. 578.—*Xyridion et Ioniris*, *Klatt in Bot. Zeit.* 1872, 499–502.

Perianthium regulare erectum, tubo supra ovarium brevi vel elongato, limbi late infundibularis segmentis difformibus, tribus exterioribus obovato-unguiculatis flore expanso falcatis, unguibus nudis vel barbatis vel cristatis, interioribus obovato-vel oblanceolato-spathulatis sæpissime erectis, exterioribus minoribus interdum perparvis interdum cum exterioribus patulis. *Stamina* 3 stigmatibus opposita ad faucem tubi inserta erecta, filamentis angustis applanatis, antheris ligulatis basifixis filamentis æquilongis vel longioribus. *Ovarium* triloculare, ovulis in loculo crebris horizontalibus; *stylus* filiformis, stigmatibus magnis quadratis petaloideis apice cristis duabus lanceolatis vel petaloideis reflexis subintegris vel serrulatis præditis. *Capsula* magna oblonga loculicide trivalvis, seminibus multis globosis vel leviter compressis, testa crassa lucida brunnea vel interdum coccinea, albumine corneo. *Herbæ præsertim regionis borealis temperatæ, rhizomate obliquo crasso, foliis basalibus pluribus persistentibus flabellato-distichis linearibus vel ensiformibus, caule simplici vel corymboso foliis paucis reductis prædito, spathæ paucifloræ vel unifloræ valvis magnis lanceolatis arcte imbricatis viridibus vel margine membranaceis, floribus speciosis magnis modice persistentibus vel fugitivis sæpissime luteis vel lilacino-purpureis.*

Series I. *Species regionis borealis temperatæ, segmentis interioribus sæpissime erectis.*

Subgenus I. APOGON. *Perianthii segmenta exteriora unguibus nudis.* *Limniris*, *Xyridion*, et *Spathula*, *Tausch in Rœm. & Schult. Syst. Veg.* i. Suppl. 370.

* *Folia linearia.*

1. I. HUMILIS, *M. Bieb. Fl. Taur. Cauc.* i. 33; *Cent. Ross.* t. 13.—*Neubeckia humilis*, *Alefeld in Bot. Zeit.* 1863, 297.—*I. ruthenica*,

- Ker, Gen. Irid.* 54, ex parte.—*Ioniris humilis*, *Klatt in Bot. Zeit.* 1872, 502. *Rossia meridionalis*, *Transylvania*, *Siberia occidentalis*.
2. *I. CRETENSIS*, *Janka in Œstr. Bot. Zeit.* 1867, 376.—*I. stylosa*, var. *angustifolia*, *Boiss. Diag.* xiii. 15.—*I. humilis*, *Sieber, Pl. Cret. Exsic. non M. B.* *Græcia*, *Asia minor*, *Creta*, *Insulæ Ionicae*.
3. *I. UNGUICULARIS*, *Poiret, Iter*, ii. 56.—*I. stylosa*, *Desf. Fl. Atlant.* i. 40, t. 5; *Hook. fil. Bot. Mag.* t. 5773.—*Neubeckia stylosa*, *Alefeld in Bot. Zeit.* 1863, 297.—*Ioniris stylosa*, *Klatt in Bot. Zeit.* 1872, 502. *Algeria*.
4. *I. VENTRICOSA*, *Pallas, Iter*, iv. 455; *App.* 682, t. 27. fig. 1.—*Xyridion ventricosum*, *Klatt in Bot. Zeit.* 1872, 500. *Siberia orientalis*.
5. *I. TENUIFOLIA*, *Pallas, Iter*, iv. 302; *App.* 683, tab. 7. fig. 2.—*Neubeckia tenuifolia*, *Alefeld in Bot. Zeit.* 1863, 297.—*Ioniris tenuifolia*, *Klatt in Bot. Zeit.* 1872, 502.—*I. acaulis*, *Pallas, Iter*, iii. 313. *Siberia*.
6. *I. SONGARICA*, *Schrenck, Enum.* i. 3.—*Ioniris songarica*, *Klatt in Bot. Zeit.* 1872, 502. *Asia centralis*.
7. *I. MACROSIPHON*, *Torrey, Bot. Whipple*, 144.—*I. Douglasiana*, *Torrey, Bot. Whipple*, 144, non *Herb. California*.
8. *I. RUTHENICA*, *Dryand. in Ait. Hort. Kew.* edit. 2, i. 117; *Bot. Mag.* t. 1123 et 1393.—*Ioniris ruthenica*, *Klatt in Bot. Zeit.* 1872, 502.—*Iris cæspitosa*, *Pallas in Link, Jahrb.* iii. 71.—*I. verna*, *Pallas, Iter*, iii. 213, non *Linn.* *Transylvania*, *Siberia*.
9. *I. DOUGLASIANA*, *Herb. in Hook. & Arn. Bot. Beech.* 385; *Hook. fil. Bot. Mag.* t. 6083. *California*.
- Var. *I. BEECHYANA*, *Herb. in Hook. & Arn. Bot. Beech.* 395. *California*.
10. *I. TOLMIEANA*, *Herb. in Hook. & Arn. Bot. Beech.* 395.—? *I. missouriensis*, *Nuttall in Journ. Acad. Phil.* vii. 58. *California*, *Oregon*, *Nevada*.
11. *I. TRIPETALA*, *Walt. Fl. Carol.* 66, non *Linn. fil.*—*I. tridentata*, *Sweet. Brit. Flow. Gard.* t. 274, non *Pursh.* *Carolina ad Floridam*.
12. *I. TENAX*, *Douglas in Bot. Reg.* t. 1218; *Hook. Bot. Mag.* t. 3343.—*Ioniris tenax*, *Klatt in Bot. Zeit.* 1872, 502. *America borealis*.
13. *I. HARTWEGII*, *Baker in Gard. Chron.* 1876, 323. *California*.
14. *I. PRISMATICA*, *Pursh, Fl. Amer. Sept.* i. 30; *Bot. Mag.* t. 1504.—*I. virginica*, *A. Gray, Man.* edit. v. 516, non *Linn.*—*I. gracilis*, *Bigelow, Flor. Bost.* 12.—*I. Boltoniana*, *Roem. & Schultes, Syst. Veg.* i. *Suppl.* 308. *America borealis orientalis*.

15. *I. ENSATA*, Thunb. in Trans. Linn. Soc. ii. 328.—*I. graminea*, Thunb. Fl. Jap. 34, non Linn.—*I. biglumis*, Vahl, Enum. ii. 149; *D. Don* in Sweet, Brit. Flow. Gard. ser. ii. t. 187.—*I. triflora*, Balbis, Misc. Bot. 6, t. 1; Red. Lil. t. 481.—*I. Doniana*, Spach, Hist. Phan. xiii. 34.—*I. hæmatophylla*, Link, Enum. Berol. i. 60, non Fischer.—*I. Pallasii*, Fisch. in Trev. Ind. Sem. Hort. Vrat. 1821; Reich. Ic. Fl. Germ. tab. 479. fig. 672; Bot. Mag. t. 2331.—*I. oxypetala*, Bunge in C. A. Meyer, Ind. Pl. Mus. Petrop. 1834, 8.—*I. caricifolia*, Pallas, Roem. & Schultes, Syst. Veg. i. 318.—*I. fragrans*, Lindl. Bot. Reg. xxvi. t. 1.—*I. longispatha*, Fisch. in Bot. Mag. t. 2528.—*I. Moorcroftiana*, Wall. Cat. No. 5021.—*Xiphion Pallasii*, triflorum, et *Donianum*, Alefeld in Bot. Zeit. 1863, 297.—*Ioniris biglumis*, *Doniana*, *fragrans*, *longispatha*, *triflora*, et *Pallasii*, Klatt in Bot. Zeit. 1872, 502-3. *Siberia*, *Japonia*, *China borealis*, *Asia centralis*, *Himalaya occidentalis*.
16. *I. GRAMINEA*, Linn. Sp. Plant. edit. ii. 58; Bot. Mag. t. 681; Red. Lil. t. 299; Jacq. Fl. Austr. t. 2; Reich. Ic. Fl. Germ. t. 346.—*Xiphion gramineum*, Alefeld in Bot. Zeit. 1863, 297.—*Xyridion gramineum*, Klatt in Bot. Zeit. 1872, 500.—*Iris Adami*, Willd. in Link, Jahrb. iii. 72.—*I. compressa*, Moench. Meth. 529, non Linn. fl. *Europa centralis et meridionalis*.
- Var. *LATIFOLIA*, Spach, Veg. Phan. xiii. 30.—*I. sylvatica*, Balbis in Roem. & Schult. Syst. Veg. i. 476.—*I. bayonnensis*, Darracq. Gallia australis.
- Var. *INODORA*, Spach, Veg. Phan. xiii. 31.
17. *I. SIBIRICA*, Linn. Sp. Plant. edit. ii. 57; Jacq. Fl. Austr. t. 3; Bot. Mag. t. 60; Red. Lil. t. 420; Reich. Ic. Fl. Germ. t. 341. fig. 768.—*Xiphion sibiricum*, Parl. Fl. Ital. iii. 300.—*Xyridion sibiricum*, Klatt in Bot. Zeit. 1872, 500.—*I. pratensis*, Lam. Encyc. iii. 300; Red. Lil. t. 239.—*I. acuta*, Willd. Enum. Berol. Suppl. 4; Reich. Ic. Fl. Germ. tab. 343. fig. 770.—*I. maritima*, Miller, Gard. Dict. edit. vi. No. 11; Reich. Ic. Germ. tab. 342. fig. 769.—*I. stricta*, Moench, Meth. 528. *Europa centralis et meridionalis*, *Siberia*.
- Var. *I. FLEXUOSA*, Murr. in Nov. Comm. Gott. vii. 30, t. 4.—*I. sibirica*, var. *flexuosa*, Ker in Bot. Mag. t. 1163; Red. Lil. t. 420.—*Xiphion flexuosum*, Alefeld in Bot. Zeit. 1863, 297.—*Xyridion flexuosum*, Klatt in Bot. Zeit. 1872, 500.
- Var. *I. ORIENTALIS*, Thunb. in Trans. Linn. Soc. ii. 328, non Miller.—*I. sibirica*, Thunb. Fl. Jap. 33, non Linn.—*I. sanguinea*, Donn, Hort. Cant. edit. vi. 17.—*I. sibirica*, var. *sanguinea*, Ker in Bot. Mag. t. 1604.—*I. Nertschinkia*, Lodd. Bot. Cab. t. 1843.—*I. hæmatophylla*, Fisch. in Sweet, Brit. Flow. Gard. t. 118. *Siberia orientalis*, *Japonia*, *America borealis occidentalis*.

Var. I. TRIGONOCARPA, *A. Braun*; *K. Koch & Bouche in Walp. Ann.* vi. 55. *Siberia*.

** *Folia ensiformia*.

18. I. MACULATA, *Baker in Gard. Chron.* 1876, ii. 517. *Mesopotamia*.

19. I. TRIDENTATA, *Pursh, Fl. Amer. Sept.* i. 30.—*I. tripetala*, *Hook. Bot. Mag.* t. 2886, *non Walt. Canada*.

20. I. SETOSA, *Pallas*; *Led. Fl. Ross.* iv. 96; *Regel, Gartenfl.* t. 322.—*I. brachycuspis*, *Fisch. Bot. Mag.* t. 2326.—*Xiphion brachycuspis*, *Alefeld in Bot. Zeit.* 1863, 297.—*Xyridion setosum*, *Klatt in Bot. Zeit.* 1872, 500. *Siberia orientalis, Japonia*.

21. I. PSEUDACORUS, *Linn. Sp. Plant.* edit. ii. 56; *Fl. Dan.* t. 494; *Eng. Bot.* t. 578, 3 edit. t. 1495; *Svensk. Bot.* t. 110; *Poit. & Turp. Fl. Par.* t. 46.—*I. lutea*, *Lam. Fl. Franç.* iii. 496.—*I. palustris*, *Moench, Meth.* 528.—*I. longifolia*, *DC. Fl. Franç.* iii. No. 1993.—*Xiphion Pseudacorus*, *Parl. Fl. Ital.* iii. 295.—*Xyridion Pseudacorus*, *Klatt in Bot. Zeit.* 1872, 500.—? *I. curtropetala*, *Red. Lil.* t. 340. *Europa tota, Syria*.

Var. I. BASTARDI, *Boreau, Fl. du Centre*, edit. iii. ii. 635.

Var. I. ACORIFORMIS, *Boreau, Fl. du Centre*, edit. iii. ii. 635.

Var. I. ACOROIDES, *Spach, Hist. Phan.* xiii. 44.—*Xiphion acoroides*, *Alefeld in Bot. Zeit.* 1863, 297.—*Xyridium acoroideum*, *Klatt in Bot. Zeit.* 1872, 500.—*I. Pseudacorus*, var. *pallidiflora*, *Bot. Mag.* t. 2339.

22. I. SPURIA, *Linn. Sp. Plant.* edit. 2, p. 58; *Bot. Mag.* t. 58; *Jacq. Fl. Austr.* t. 4; *Reich. Fl. Germ.* tab. 345. fig. 772.—*Xiphion spurium*, *Alefeld in Bot. Zeit.* 1863, 297.—*Xyridium spurium*, *Klatt in Bot. Zeit.* 1872, 500.—*I. spathulata*, *Lam. Ency.* iii. 300.—*I. Reichenbachiana*, *Klatt in Linnæa*, xxxiv. 613.—*Xyridion Reichenbachianum*, *Klatt in Bot. Zeit.* 1872, 500. *Europa centralis et meridionalis, Algeria*.

Var. I. DIERINCKII, *K. Koch in Walp. Ann.* vi. 55.

Var. I. SOGDIANA, *Bunge, Rel. Lehm.* 331. *Asia centralis*.

Var. I. DAENENSIS, *Kotschy in Pl. Pers. Austr.* 1845, No. 616. *Persia*.

Var. I. DESERTORUM, *Ker in Bot. Mag.* t. 1514.—*I. desertorum*, *Gulden. Iter*, i. 80.

Var. I. NOTHA, *M. Bieb. Cent. Ross.* t. 77.—*I. spuria*, *Red. Lil.* t. 349.—*I. halophila*, *Ker in Bot. Mag.* t. 875, *non Pallas*.—*I. spuria*, var. *major*, *Ker in Bot. Mag. sub* t. 1131.—*Xiphion nothum*, *Alefeld in Bot. Zeit.* 1863, 297.—*Xyridion nothum*, *Klatt in Bot. Zeit.* 1872, 500. *Caucasus, Armenia, Kurdistan*.