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ROYAL BOTANIC GARDENS, KEW.

BULLETIN

OF

MISCELLANEOUS INFORMATION.

ADDITIONAL SERIES, VIII.

NEW GENERA AND SPECIES

OF

CYPERACEAE.

C. B. CLARKE.



LONDON:

PRINTED FOR HIS MAJESTY'S STATIONERY OFFICE,
By DARLING & SON, LTD., 34-40, BACON STREET, E.

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P R E F A C E.

The late Mr. C. B. Clarke, whose lamented death was recorded in the *Kew Bulletin* for 1906, p. 271, devoted much of his time during the last twenty years of his life to a critical study, in the Herbarium at Kew, of the natural family *Cyperaceae*. The work he had set before him was the completion of a general monograph of the family. As this work progressed he became by degrees the recognised authority on the subject, to whom botanists of every nationality submitted for examination collections of *Cyperaceae* from all parts of the world. The results of his studies were incorporated in his monograph which was still unpublished when he died. The monograph was complete so far as references to material submitted to him for study are concerned, but was not arranged for publication. When the task of arranging the manuscript was taken in hand it was found that the monograph in its entirety must occupy 4,000 pages in octavo, and, apart from the cost of printing, for which there is at present no provision, the task of passing it through the press must occupy the time of a competent editor for several years.

At the same time a few of the genera and a considerable number of the species described in the monograph have not been published. The specimens in the Herbarium at Kew which represent these unpublished species are authentically named by Mr. Clarke. The names attached being, however, *nomina nuda*, do not lend themselves for use in the routine work of botanical determination. As the issue of the whole of the manuscript is not immediately practicable it is a matter of urgent public interest that the unpublished species therein described be provided with references that admit of formal citation. The only satisfactory way in which the object in view can be effected involves the presentation of the author's own diagnoses of all the new genera

and species propose by him. These are therefore now set out in full and in accordance with the arrangement devised by Mr. Clarke, a skeleton of which, so far as material for its preparation exists in the manuscript, is appended to the diagnoses.

D. P.

Royal Botanic Gardens, Kew.
June, 1908.

ROYAL BOTANIC GARDENS, KEW.

BVZ 2843

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C. B. CLARKE.

7093 *Pycneus potosiensis*, C. B. Clarke; spiculis nigro-castaneis; ceteroquin fere ut *P. flavescens*.

Cyperus flavescens, S. Wats., in Proc. Amer. Acad. xviii. (1883), p. 169; Hemsl. Biol. Centr. Amer. Bot. iii., p. 447.

Glabra. Radices annuae. Culmi numerosi, dense caespitosi, 3-7 cm. longi, omnes monocephali. Folia culmos superantia, 2 mm. lata, plana, graminea. Spiculae 3-8, subcompositae fastigiatae, 9 mm. longae, 2½ mm. latae, 8-14-florae, multum compressae, duriusculae, lucidae, interdum colore eluto pallidiores. Nux parva obovoidea, cellulis extimis longitudinaliter oblongis, quam in *P. flavescens* magis obscuris. Si mavis, var. *geographica P. flavescens*, sed in *P. flavescens* colorem lucide castaneum nunquam vidi.

MEXICO. San Luis Potosi, *Schaffner*, nn. 569, 198. [541]

2442 *P. piceus*, C. B. Clarke; *Cyperus piceus*, Liebm. [542]

7094 *P. tristachyus*, C. B. Clarke; *Cyperus tristachyus*, Boeck. [549]

7095 *P. segmentatus*, sp. n.; culmo submonocephalo, 3-10-stachyo; spiculis usque ad 18 mm. longis, 5 mm. latis, multum compressis, nigris, 30-floris; stylo 2-fido; nuce obovoideâ a lineis interruptis transversis albis numerosis usque ad basin subpapillosim segmenta.

7096 *P. nigricans*, C. B. Clarke, in Dyer, Fl. Trop. Afr. viii., p. 292, partim; neque *Cyperus nigricans*, Steud.

Culmi 4-5 dm. longi, basi caespitosi; vaginae imae firmae striatae vix fimbriollosae. Nucis celluli extimi breviter longitudinaliter oblongi, apicibus exstantibus; nux fere scrobiculatae.—In *P. nigricante* . . . nux levis, cellulis extimis subrotundis, reticulatis.

NYASALAND. *Buchanan*, n. 1454; Mt. Zomba, alt. 1500 m., *Whyte*. [556]

7098 *Pycreus Cleaveri*, C. B. Clarke; *Cyperus* ⁷⁰⁹⁹ *Cleaveri*, Roem. & Sch. Syst. ii. Mant. p. 25. [642]

7100 *P. cataractarum*, sp. n.; culmis basi caespitosis, fibrillatis, vaginis aquosis laxis lucide castaneis; foliis numerosis, culmum superantibus, setaceo-linearibus caudatis; umbellâ paniculatâ, vix umbellatâ, oblonga, 3 cm. longâ, 2 cm. latâ; bracteis 3-8, foliiformibus, usque ad 2-3 dm. longis, setaceo-linearibus, caudatis; spiculis fere ut *P. Smithiani* vel *P. cuanzensis*.

7686 *P. cuanzensis*, C. B. Clarke, in Dyer, Fl. Trop. Afr. vii., p. 301, partim.

7687 *Cyperus cataractarum*, K. Schum. MS. in Zenker, n. 1935.

CAMEROON. Bijunde, *Zenker*, n. 1935; Batangu, *Bates*, n. 323. [683]

7101 *P. diander*, C. B. Clarke; *Cyperus* ²³⁸¹ *diandrus*, Torr. Cat. Pl. New York (1819), p. 90, etc. [686]

7102 *P. rivularis*, C. B. Clarke; *Cyperus rivularis*, Kunth, Enum. ii. (1837), p. 6, etc. ^{L 338} [689]

4863 *P. bipartitus*, C. B. Clarke; *Cyperus bipartitus*, Torr. in Ann. Lyc. New York, iii. (1836), 257. ^{L 2311} [693]

7103 *P. setaceus*, sp. n.; annua, culmis 10-15 cm. longis, setaceis, monocephalis; spiculis 3-7, 6 mm. longis, 1-1½ mm. latis, castaneis, 6-10-floris; stylo brevi, 2-fido; nuce oblongo-ellipsoideâ, lateraliter compressâ, cellulis extimis omnibus quadrato-rotundis.

Glabra. Folia cum culmo aequilonga, setacea. Bractee 2, ima quasi culmum continuens, usque ad 5 cm. longa. Spiculae compressae, paullo induratae. Glumae naviculares, ovatae, obtusae, castaneo-rubrae, in carinâ luteae, in margine anguste scarioso-nitidae. Antherae perparvae, subquadratae. Nux cum ¾ parte glumae aequilonga. Stylus cum ½ parte nucis aequilonga; ramus anticus postico paullo longior.

✓BRAZIL. Serra da Lapa, *Riedel*, n. 1405. [694]

7104 *P. Aschenbornianus*, C. B. Clarke; *C. Aschenbornianus*, Boeck. in *Linnaea*, xxxv. (1867-8) 460. ^{L 7105} [695]

978 *P. rhizomatosus*, sp. n.; rhizomate horizontali, crasso, spisse nodoso, a squamis ovatis ferrugineis intecto; foliis longis, rigidis, convolutis; spicâ solitariâ vel alterâ brevi-pedunculatâ additâ stellatim 10-15-stachya; spiculis anguste linearibus, 12-18-floris, castaneo-rubris; stylo 2-fido; nuce parvâ, obovoideâ, compressâ, obtusâ, cellulis extimis quadrato-hexagonis.

Culmi 15-22 cm. longi, rigidi, subteretes striati. Folia culmos superantia, 2-3 mm. lata, torta. Bractee 2, inferior suberecta,

5-15 cm. longa, cum foliis consimiles. Spiculae usque ad 18 mm. longae, 2-3 mm. latae, compressae. Glumae subremotae, laxius imbricatae, elliptico-oblongae vix acutae, valide multi-striatae, castaneo-rubrae carinâ viridi. Stamina 3. Nux cum $\frac{1}{3}$ parte glumae aequilonga; stylus brevis tenuis, rami 2 perlongi.—*P. Cooperi*, similis; sed ab hac a rhizomate differt.

✓MADAGASCAR. (hb. Delessert). [733]

975 *Juncellus Pervillei*, C. B. Clarke; *Cyperus Pervillei*, Boeck. in Linnaea, xxxviii. (1874) 359; *Pycneus Pervillei*, C. B. Clarke, in Dur. et Schinz, Consp. Fl. Afr. v. 540 (1895); error, non est *Pycnei* sp. [807] -2517
-973

7106 *J. limosus*, C. B. Clarke; *Cyperus limosus*, Maxim. Prim. Fl. Amurl. 294 (1859). L 6833 [812]

7107 *J. nipponicus*, C. B. Clarke; *Cyperus nipponicus*, Franch. et Savat. Pl. Japon. ii. 102, 537 (1879). L 5962 [814]

7108 *J. leucolepis*, C. B. Clarke; *Cyperus leucolepis*, C. B. Clarke, in Journ. Linn. Soc., Bot. xxi. (1884) 61, in *Pycneo sceleste ordinatus*. L 7109 [825]

6077 *J. pannonicus*, C. B. Clarke; *Cyperus pannonicus*, Jacq. Fl. Austr. v. App. 29, t. 6. (1778). L 1095 [843]

7110 *Cyperus Schlechteri*, sp. n.; culmo 1-cephalo; foliis linearibus; spiculis 20-30, percompressis, densissime agglomeratis; glumis atro-castaneis, breviter aristatis; stylo 3-fido.

Culmus basi incrassatus, lentus, a nigris fibrillis vestitus, 15-22 cm. longus, gracilis, levis, apice triqueter. Folia culmo parum breviora, 3 mm. lata. Caput 10-12 mm. in diam.; bractee 3-4, pendentes, foliiformes, ima usque ad 3-5 cm. longa. Spiculae 6-10-florae, durae. Glumae lucidae, imbricatae, in carina virides, in lateribus tenuissimae 3-lineolatae. Nux immatura oblongo obovoidea trigona. Stylus nuce vix brevior; rami 3 cum stylo subaequilongi.

✓NATAL: alt. 2,000 m., in monte Insisiwa, *Schlechter*, n. 6447. [907; cf. 1098]

7111 *C. Kaessneri*; sp. n.: culmo monocephalo, 12-20-stachyo, spiculis 2 cm. longis 3 mm. latis, multum compressis, saepe curvatis, 40-60-floris laete bruneis, ob glumarum caudas breves albomarginatis; nuce cum $\frac{1}{3}$ parte glumae aequilongâ, trigonâ, late ellipsoideâ, apice basique pyramidali, bruneâ.

Species *C. Teneriffae* similis, spiculis multo angustioribus, nuce diversâ.—Annua, culmi caespitosi, 10-18 cm. longi. Folia angusta, culmo breviora. Bractee 3; ima 4-6 cm. longa. Caput densiusculum.

✓UGANDA: Kibwezi, *Kaessner*, n. 716. [915]

7112 *C. jucundus*, sp. n.; culmis 5-10 cm. longis, gracilibus, monocephalis, foliis bracteis setaceis; spiculis 3-5 mm. subfasciculatis, linearibus, 15-20 mm. longis, 1-1 $\frac{1}{2}$ mm. latis, pallide bruneis, 24-floris; glumis mucronatis; stylo 3-fido; nuce oblongo-ellipsoideâ, apice obtusâ, cum $\frac{1}{3}$ - $\frac{1}{2}$ parte glumae aequilongâ.

Glabra. Culmi dense caespitosi annui. Folia cum culmis subaequilonga. Bracteeae 3-4, ima spiculas superans. Glumae ferrugineae, estriatae, carinâ viridi in aristulam excurrente. Nux matura vix trigona pallide brunea.

✓TONKIN; *Balansa*, n. 1812 (hb. DC.). [916]

7382 *Cyperus Tweediei*, sp. n.; parva, culmis caespitosis, monocephalis; foliis cum $\frac{1}{2}$ parte culmi vix aequilongis perangustis; bracteis 2-3 usque ad 2-4 cm. longis; spiculis 15-30, minimis dense capitatis, linearibus, multifloris; glumis ovatis acutis vix mucronatis, in latere rubescentibus; stamine 1; stylo 3-fido; nuce ovoideâ apice pyramidato-acutatâ, cum $\frac{2}{3}$ parte glumae subaequilongâ.

Glabra. Rhizoma vix ullum. Culmi 1 dm. longi, apice $\frac{1}{2}$ mm. in diam. trigoni, leves. Folia vix 2 mm. lata, plana. Caput 1 cm. in diam., densissimum; bracteeae subpatulae, cum foliis consimiles. Spiculae 4 mm. longae, 1 mm. latae, 25-florae, modice compressae, e stramineo rubentes; rhachilla exalata. Glumae (imo in fructu) arcte imbricatae, naviculares, subtri-nerviae, in dorso luteo-virides, laxe cellulosae vix nutantes, e basi rhachillae sensim caducae. Stylus nuce multo brevior; rami 3 lineares e glumâ vix exserti. Nux trigona, nigro-brunea, fere levis; cellulae extimae hexagono-quadratae, subconspicuae.—Species *C. uncinulato*, Schrad. forsan affinis; sed glumae muticae. *C. humilis*, Kunth, differt foliis bracteisque longis, rhachilla spicularum robustiore, etc.

ARGENTINA; Tucuman, *Tweedie*. [932]

7383 *C. mirus*, C. B. Clarke; culmo monocephalo, foliis bracteis filiformibus; spiculis 1-3, digitatis, linearibus, compressis, 20-30-floris, pallidis; stylo 3-fido; nuce ellipsoideâ, longitudinaliter multi-striata, inter striae horizontaliter trabeculatâ. *C. debilis* var. *striata*, Benth.! MS.; cf. Benth. Fl. Austral. vii. p. 266 in obs. [934]

7384 *C. superatus*, sp. n.; debilis; foliis umbellam longe superantibus; umbellâ simplice; spiculis 2-6-nim fasciculatis, lineari-oblongis 10-12-floris, pallidis; glumis ovatis acutis, 5-nerviis levibus; stylo 3-fido; nuce ellipsoideâ, apice pyramidatâ cum $\frac{1}{2}$ parte glumae subaequilongâ. *C. trinervis* (exemplum dubie huc relatam), Benth.! Fl. Austral. vii. pp. 269, 270.

Glabra. Culmi 8-15 cm. longi, caespitosi, radicibus fibrosis, apice triquetra. Folia 15-30 cm. longa, 3-4 mm. lata, plana, flaccida. Bracteeae 2-3, quarum ima usque ad 2 dm. longa. Umbella parva. Spiculae iis *C. aquatilis* similes. Stamina et nuces iis *C. aquatilis* similes.—Vix differt a *C. aquatili* nisi foliis bracteisque perlongis, umbellâ contractâ simplice.

NORTH AUSTRALIA: Port Darwin, *F. Schultz*, n. 313. [948]

7385 *C. gratus*, sp. n., annua, caespitosa, foliis augustis; umbellâ simplice, 5-10 cm. in diam.; spiculis 5-10-nim digitatis, 9 mm. longis 2 mm. latis, compressis, 8-14-floris, flavo-viridibus; glumarum mucronibus parum recurvis; nuce cum $\frac{1}{2}$ parte glumae (mucrone excluso) subaequilongâ, obovoidea, trigonâ, bruneâ.

Species *Cyp. amabili* affinis, differt ob spiculas majores.

SOUTH TROPICAL AFRICA: Mossambique; *Prelado*, nn. 21, 103.
[976]

4553 *C. Traillii*, sp. n.; glumis subverrucosis, in margine tenuiter hyalinis, undulatis aut incisus; nuce obovoideâ obtusâ laete bruneâ, cum $\frac{1}{2}$ parte glumae subaequilongâ (ceteroquin ut *C. difformis*, Linn.).

Spicae densissimae polystachyae; spiculae iis *C. pulcherrimi*, Willd. similes. Nux obpyramidalis, apice subtruncata, apiculo minimo conico; cellulae extimae parvulae subquadratae conspicuae.

BRAZIL. Upper Amazon, *Traill*, n. 1179; Bahia, *Spruce*, n. 1117.
[1032]

7386 *C. foliaceus*, sp. n.; culmo crasso, debili apice triquetro, 6-striato; foliis 4-5 dm. longis, 1 cm. latis; umbellâ magnâ, decompositâ, laxiusculâ; bracteis 3-4, imâ usque ad 2 dm. longâ, 8 mm. latâ; spiculis glumis nucibus omnino ut in exemplis majoribus *C. Haspani*, Linn.

Culmus 3 dm. longus, basi erectus, annuus? Folia flaccida, viridia.—An *C. Haspani* var. foliacea?

NORTH TROPICAL AFRICA; Togoland; *Warnecke*, n. 388. [1065]

7387 *C. Karlschumannii*, sp. n.; culmo monocephalo, 2-stachyo; spiculis eximiis, 3 cm. longis, 7 mm. latis, 36-floris; stylo 3-fido; nuce parvâ, cum $\frac{1}{3}$ parte glumae vix aequilongâ, sessili, oblongo-obovoideâ, trigonâ, truncatâ, bruneâ.

Culmi basi caespitosi paullo incrassati, 7-8 dm. longi, tenuiores. Folia angusta, subteretia, cum $\frac{1}{3}$ parte culmi subaequilonga. Bractee 2; inferior 1 dm. longa, basi paullo dilatata. Glumae 5-6 mm. longae, dense imbricatae, ovatae, naviculares, apice obtuse triangulares, rigidae, stramineae apice rubro-bruneo-tinctae.

NORTH TROPICAL AFRICA: Togoland; *Kersting*, n. 659. [1067]

5367 *C. michoacanensis*, Britton! MS. in Pringle, n. 3427; culmo gracillimo, basi nodoso lignescente; foliis bracteisque debilibus; spiculis c. 10 in capite globoso congestis, parvulis, linearibus c. 8-nucigeris; glumis albis, tenerrimis, obtusis; nuce subgloboso-trigonâ, parum inaequali, apiculatâ, stylo 3-fido.

Glabra. Rhizoma breve, ligneum, a fibrillis nigris lentis intectum. Culmi 25 cm. longi, in parte inferiore vix $\frac{3}{4}$ mm. in diam., leves. Folia cum $\frac{1}{3}$ - $\frac{2}{5}$ parte culmi aequilonga 3 mm. lata, plana, debilia, curvata, vix scabra. Bractee 2-3 patulae, proventu pendulae, usque ad 6-10 dm. longae, cum foliis consimiles. Caput 1 dm. in diam., albo-viride. Species *C. seslerioidi*, H.B.K., similis, et affinis; differt glumis perobtusis teneriter albidis et foliis paullo latioribus.

MEXICO: Michoacan, *Pringle*, nn. 3427, 4269. [1111]

7388 *C. inops*, sp. n.; culmo longo, pergracili, 1-cephalo; bracteis longis, patulis; spiculis numerosis, perparvis, fusce purpureo-bruneis, 3-8-floris; glumis ovatis, obtusis; stylo 3-fido; nuce minuta, anguste obovoideâ, acuminatâ, trigonâ, nigrâ, levi.

Glabra. Culmi caespitosi, rhizomate vix ullo, 7 dm. longi, pertenues, apice triquetri. Folia pauca, cum $\frac{1}{3}$ parte culmi aequilonga, 3-5 mm. lata, debilia. Caput e 1-4 capitulis dense compositum, ovoideum subpyramidale, 1 cm. latum; interdum

proliferum; bracteae 3, ima usque ad 15 cm. longa, cum foliis consimiles. Spiculae 2-4 mm. longae, compressae, paullo turgidae, fusce coloratae. Glumae naviculares, obscure striatae, abbreviatae, truncato-obtusae. Nux cum $\frac{2}{3}$ parte glumae aequilonga; styli pars indivisa cum $\frac{1}{3}$ parte nucis vix aequilonga; rami 3, rubro-brunee, e gluma brevissime exsertae.—Species *C. tenerrimae*, Presl, affinis; differt culmo perlongo, spiculis minoribus coloratis; glumis ovatis neque ovato-oblongis.

✓BRAZIL. Serra do Mor; alt. 900 m., Boa Vista. *Ule*, (sine numero). [1113]

534: *Cyperus consors*, sp. n.; culmo 3-5 dm. longo, monocephalo; foliis bracteisque longis; capite subgloboso, 18-21 mm. diam.; 10-20-stachyo; spiculis 8-12-floris, saturate rubro-bruneis; staminibus 3; stylo 3-fido.

Glabra. Culmus apice triqueter. Folia culmo longiora, 3-4 mm. longa. Bracteae 3-2, usque ad 18 cm. longae, 3 mm. latae. Spiculae 6-9 mm. longae, 3 mm. latae, subturgidae, rhachilla exalata. Glumae naviculares, ovatae, subacutae, saturate sanguineo-brunee, multistriatae non scarioso-marginatae. Filamenta subscabra. Nux ellipsoidea, cum $\frac{1}{2}$ parte glumae aequilonga, trigona, luteo-brunea.

✓BRAZIL. Serra da Piedade, *Riedel*, n. 577. Minas Geraes, prope Curvelho, *Riedel*, n. 2988. [1114]

7472 *C. Riedelianus*, sp. n.; glabra, culmis 2-3 dm. longis, admodum tenuibus, monocephalis, bracteis 2-3, imâ 5 cm. longa 1 mm. lata patulâ; spiculis 3-6, 5-7 mm. longis, 4-8-floris, viridibus purpureo-maculatis; glumis obtusis; stylo 3-fido.

Culmi basi dense caespitosi, paullo incrassati, sublignescens. Folia cum $\frac{2}{3}$ parte culmi aequilonga, 1 mm. lata. Spiculae rhachilla persistens, vix alata. Glumae ovatae, in dorso virides in lateribus purpureo-brunee. Nux cum $\frac{1}{2}$ parte glumae aequilonga, ovoidea, triquetra, apice basique pyramidalis.—In exemplo viso, capita prolifera videntur.

✓BRAZIL. Serra da Lapa, *Riedel*, n. 970. [1117]

7447 *C. dichromus*, sp. n.; culmis in rhizomate brevissimo ligneo caespitosis, vaginis imis bruneis paullo fibrillatis nec lanosis; foliis longis, usque ad 5 mm. latis; umbellae simplicis radiis 5-6, usque ad 6 cm. longis; spiculis 3-9-nim. fasciculatis, 13 mm. longis; 5 mm. latis, multum compressis, 10-floris; glumis laete rufo-bruneis muticis, in dorso marginibusque viride-pictis; stylo longo tenui, ramis 3 longis rufis tenuibus; nuce cum $\frac{1}{4}$ - $\frac{1}{3}$ parte glumae aequilongâ, obovoideâ, acute trigonâ.

Culmi 3-5 dm. longi. Folia culmo breviora. Bracteae 3; ima inflorescentiam superans. Glumae arctius imbricatae, elliptico-oblongae, obscure (aut non) striatae.—Spica, spiculae, stylus, nux, iis *C. poecili*, C. B. Clarke, similes. *C. poecilus* differt, foliis latioribus, umbellâ ad caput 1 reducta, glumis manifeste striatis. 7688

✓NORTH TROPICAL AFRICA. Galla Hochland, *Ellenbeck*, n. 2195. [1163]

977 *C. Commersonii*, sp. n.; culmis caespitosis; vaginis basalibus integris fusce bruneis; umbellâ simplici, radiis 3-1; spiculis

digitatis, 15 mm. longis, linearibus fusce castaneis; nuce obovoideâ, truncatâ, obtuse trigonâ: styli parte indivisâ quam nux longiore; ramis 3 linearibus, cum styli parte indivisâ vix aequilongis.

Glabra. Vaginae basales tenuiores, non rigidae. Culmi 20-25 cm. longi, tenuiores. Folia cum $\frac{2}{3}$ parte culmi aequilonga, 2-4 mm. lata. Bractee 2-3, ima usque ad 8 cm. longa, foliis similes. Spicae 1-4; radii 0-3 cm. longi; spiculae 4-8-nim fasciculatae 2-3 mm. latae complanatae, 12-16-florae; rhachilla exalata. Glumae 3-4 mm. longae, oblongae, vix apiculatae, valide 7-9 striatae. Nux vix angulosa, nigra, cum $\frac{1}{3}$ parte glumae vix aequilonga.—Differt a *C. aprico* vaginis bruneis, spiculis latioribus.

✓MADAGASCAR. *Commerson* (hb. Monspel.) [1180]

7444 *C. celluloso-reticulatus*, Boeck.! MS. in Ule, n. 1332; robusta, culmo apice trigono 5 mm. in diam.; bracteis 6-8 usque ad 3-5 dm. longis; umbellâ compositâ, umbellis secundariis condensatis; spiculis 12-20 mm. longis, 40-floris; glumis navicularibus, celluloso-reticulatis; staminibus 2-3; stylo 3-fido; nuce parvâ, ellipsoideo-oblongâ, trigonâ, pallidâ.

Culmi pars visa 27 cm. longa. Bractea ima, 16 mm. lata, 30-striata. Umbellae radii primarii admodum inaequales, usque ad 11 cm. longi. Spicula 3 mm. lata, compressa; rhachilla exalata; glumae densissimae sitae. Filamenta ferrugineo-brunea.

✓BRAZIL. S. Catharina; Tubaras, *Ule*, n. 1332 (hb. Berol.) [1307]

551 *C. grandi-simplex*, sp. n.; rhizomate horizontali, ligneo; foliis bracteisque longis; umbellae radiis paucis, tenuibus, perlongis (usque ad 1-2 dm. longis), apice nudis 1-spicatis; spiculis 1-3-nis, late linearibus, magnis, 16-30-floris; glumis ovato-lanceolatis, pallidis; stylo 3-fido; nuce cum $\frac{1}{2}$ parte glumae aequilongâ, late obovoideâ truncatâ, trigonâ.

Glabra. Culmi 2-5 dm. longi, graciles, apice trigoni leves. Folia plura, culmo longiora, 3-5 mm. lata, debilia, obscure 3-nervia. Radii 1-4, debiles, flexuosi, apice graciles, ibique interdum proliferi. Spiculae usque ad 26 mm. longae, 5-6 mm. latae, compressae; rhachilla subexalata. Glumae naviculares, stramineae, juxta margines rubro-bruneo-tinctae. Stamina 3; filamenta latiuscula rubra. Nux magna, pallida.

✓BRAZIL. Itatype prope Castel-novo, *Riedel*. [1324]

2103 *C. saturatus*, C. B. Clarke [in Contr. U.S. Nat. Herb. x. (1908) p. 453]; syn.; *Mariscus saturatus* [C. B. Clarke]; Donnell Smith, Pl. Guatemal. v. p. 89 (1896). [1327]

7058 *C. Pearcei*, sp. n.; mediocris, foliis bracteisque perlongis, angustis; umbellae radiis usque ad 4 cm. longis, apice subdigitatim 3-6-stachyis; spiculis linearibus, 12-18-floris, compressis, pallidis; glumis ovatis acutis, basi spisse imbricatis; stylo trifido; nuce cum $\frac{3}{4}$ parte glumae aequilongâ, ovoideâ, apice acute pyramidatâ.

Glabra. Rhizoma ligneum, visum perbreve obliquum. Culmi 3-4 dm. longi, apice trigoni leves. Folia plura, culmum superantia, vix 4 mm. lata, plana, lenta multi- (nec 3-) striata. Bractee 4-7 saepe 2 dm. longae, cum foliis consimiles. Spiculae 11 mm. longae,

2½ mm. latae. Glumae naviculares, obscure 11-striatae, stramineae, in dorso virides, marginibus basi non (ut in *C. miliifolii*) contractis sed subauriculato-dilatatis imo in fructu multum imbricatis. Nux magna, castaneo-nigra.—Planta a me quasi *C. miliifolii*, var. (spiculis latioribus) ordinata sed a glumis basi latis late imbricatis (nec basi fructu distantibus) diversa; praeterea folia lenta angustiora (nec graminea tenuia 3-nervia) multum recedunt et speciei affinitas forsitan potius non in hâc serie quaerenda est.

TROPICAL ANDES. Butun convallis [Peru. ?]; *Pearce* (hb. Kew); Bolivia, *Bang*, n. 2087 (hb. Schinz). [1328]

1078 *Cyperus Pandanophyllum*, sp. n.; foliis basi longius quasi-petiolatis laminâ lanceolata, usque ad 4 cm. latâ, valide 3-nerviâ; capite unico, dense 50-stachyo; spiculis ovoideo-oblongis, compressis, densifloris, viridibus, bracteis 3, lanceolatis, imâ 15 cm. longâ, 22 mm. lata; stylo 3-fido; nuce late ellipsoideâ.

Glaber. Rhizoma (visum) admodum breve, obliquum, tenuius. Folia 4-7, omnia prope ad culmi basin sita; folii summi quasi-petiolus 9 cm. longus 8 mm. latus, lentus, valide striatus, basi dilatatus subpurpurascens; lamina fere 3 dm. longa basi apiceque subito angusta; folia ima tenuiora, laminâ multo angustiore. Culmus 19 cm. longus, compresso-triqueter apice 3-alatus, monocephalus, basi dilatatus, subtriqueter. Caput 24 mm. in diam. Stipulae usque ad 9 mm. longae, basi 4-5 mm. latae, subsucculentim virides; rhachilla fere exalata. Glumae naviculares, ovatae, obtusae, multistriatae, dense imbricatae. Stamina 3; antherae oblongae sursum angustatae, non cristatae, purpureo-maculatae. Stylus perbrevis; rami 3, longi. Nux cum $\frac{1}{2}$ - $\frac{3}{5}$ parte glumae, subglobosim trigona, sessilis, levis, nigrescens; cellulae extimae parvae, quadrato-hexagonae, non conspicuae.

Planta (praeter habitum) est *Cyperus* typicissimus, primo autem ad aspectu *Mapaniam oblongam* vel *Hoppiam microcephalam* refert.

✓MADAGASCAR. *Goudot* (1833) (hb. Delessert). [1333]

7323 *C. verrucinux*, sp. nova; majuscula, foliis usque ad 4-5 dm. longis 5-6 mm. latis; spicis simpliciter umbellatis aut in caput 1 congestis, nigris; spiculis 12 mm. longis 3 mm. latis, paullo compressis, 8-12-floris; glumis nigris, apice triangularibus; stylo brevi, ramis 3 longis; nuce ovoideâ trigonâ; utrinque pyramidatâ, papilloso-albo-reticulatâ subundulatâ.

Rhizoma horizontale. Culmi approximati. Bractee 2-3; inferior inflorescentiam saepe superans.

✓SOUTH TROPICAL AFRICA. Usambara; Kwai, *Albers*, n. 227, *Eick*, n. 112. [1338]

7324 *C. disjunctus*, sp. n.; foliis bracteisque longis, angustis; inflorescentiâ in capitulum disjunctum 5-11-stachyum, contractâ; spiculis linearibus, teneris, 8-16-floris, sanguineo-bruneis; stylo 3-fido; nuce glumam superante, ellipsoideâ, rotundo-trigonâ.

7325 *C. tetraphyllus* var. *monocephala*, Benth., Fl. Austral. vii. p. 269. [1342]

7627 *C. Princeae*, sp. n.; umbellâ laxâ, umbellulis primariis 4-6-radio-latis, non iterum divisis, 15-25-spiculigeris, spiculis 11 mm. longis

2½ mm. latis, 10-12-floris; glumis muticis, vix minute apiculatis; nuce cum ½ parte glumae vix aequilongâ, globoso-trigonâ, bruneâ verrucoso-subalbi-velatâ; ceteroquin ut *C. Deckenii*.

Species *C. Deckenii* (vel hujus subspeciebus *C. Clarkeano*, *C. zambesiensi*) arcte affinis; differt ob umbellam minus densam, spiculas majores, nucem globoso-trigonam.

✓SOUTH TROPICAL AFRICA. Uhehe; alt. 1600 m., *Frau Prince*.
[1348]

2312 *C. chorisanthos*, sp. n. [in *Contr. U.S. Nat. Herb.* x. (1908) p. 449]; umbellae radiis radiolisque pro plantâ pergracilibus; spiculis 1-3-nis (multis-solitariis) 13 mm. longis vix 2 mm. latis, 14-floris; glumis ovatis lanceolatim productis inter se distantibus; nuce ellipsoideâ, maturâ nigrâ, cum ½ parte glumae subaequilongâ.

C. longifolius, Boeckeler! MS. in *Tonduz*, n. 4475.

Culmi 6 dm. longi, graciles apice triquetri fere alati. Folia cum culmis aequilonga, 1 cm. lata, obscure 3-nervia. Bracteae 5-6 ima usque ad 25 cm.-longa 6 mm. lata. Umbella 1-2 dm. in diam. laxa. Spicularum rhachillae vix alatae. Glumae 1-2 mm. longae, oblique patentis, in carinâ virides scabrae mucrone vix mucronatae. Stamina 3, stylus subalbus ramis 3 longis tenuissimis rufis. Differt a *C. longifolio*, *Poiret*, *C. zambesiensi*, *C. B. Clarke*, multisque aliis imprimis ob glumas longe distantes.

✓COSTA RICA. Forêts de Boruca, alt. 460 m., *Tonduz*, n. 4475.
[1396]

7628 *C. tokiensis*, sp. n.; annua, mediocris, glabra; inflorescentiâ 14 cm. in diam., compositâ, 250-stachyâ; spiculis spicatis, 1 cm. longis, 1½ mm. latis, 25-floris; glumis frutescentibus dense imbricatis, rigidulis submucronatis; rhacheolâ exalatâ; stylo 3-fido; nuce ellipsoideâ, trigonâ, cum ½ parte glumae vix aequilongâ.

Culmus 35 cm. longus, apice trigonus striatus. Folia 3 dm. longa, 3 mm. lata, debilia. Bracteae 3, ima 2 dm. longa, foliiformis. Rarii primarii 4; spicae 2 cm. longae, 15-20-spiculigerae. Spiculae multum compressae rubescentes. Glumae ovatae, carinatae, deciduae. Stylus cum nuce subaequilongus; rami 3 cum stylo subaequilongi, e glumâ breviter exserti. Nux utrinque pyramidata, subacuta trigona.

✓JAPAN. Tôkyô, *Matsumura*, n. 194. [1422]

7629 *C. laetus*, *C. B. Clarke*; majuscula; culmis approximatis apice scabridis; foliis bracteisque longiusculis; spicis in radiis 5-6 cm. longis subsimpliciter umbellatis; spiculis dense spicatis, 20-30-floris, linearibus, cinnamomeis; glumis obtusis; stylo 3-fido; nuce anguste oblongo-obovoideâ, cum ¾ parte glumae aequilongâ. *C. alterniflorus*, *Benth.*! *Fl. Austral.* vii. p. 275 partim, non *R. Br.* [1516]

7629 *C. Parryi*, *Britton*! MS.; rhizomate nodoso; culmo mediocri; foliis bracteisque longis; umbellae subsimplicis radiis breviusculis; spiculis cylindrice spicatis, proventu deflexis, lineari-cylindricis, 8-floris, vix compressis; glumis truncatis; nuce late ellipsoideâ cum glumâ aequilongâ.

C. scaberrimo, Nees, admodum affinis, differt, foliis paullo latioribus rigidioribus, bracteis magis divaricatis, spiculis multo angustioribus, magis rigidis, fere teretibus, glumis brevioribus, truncatis neque ovato-acutis neque mucronulatis.

✓MEXICO. San Luis Potosi, alt. 2000 m., *Parry et Palmer*, n. 906; *Schaffner*, n. 560. [1575]

7630 *Cyperus Mohrii*, Britton, MS.; foliis bracteisque longissimis, angustissimis; spiculis lineari-oblongis, 15-18 in 1 spicam laxe spicatis; glumis ovatis, obtusis, remotis; stylo 3-fido: nuce magnâ, oblongo-obovoideâ, curvatâ, castaneâ, minute reticulatâ.

Praeter culmum fere glabra. Stolones a squamis ovatis rubro-bruneis intecti. Culmi 4 dm. longi, graciles, superne minute scabro-pilosi. Folia pauca, cum culmo saepe aequilonga. Spica longa 15 mm. lata 20 mm., rhachi scabrâ; bractee 10-15 cm. longae, debiles, pendulae. Spiculae 1 cm. longae, 8-12-florae; rhachilla vix alata, persistens, tenuis, vix flexuosa. Glumae in dorso virides 5-nerviae; in lateribus fusce luteae leves; proventu subpatulae. Nux cum glumâ aequilonga, apice obtusiuscula, subaequaliter trigona; cellulae extimae parvae, quadrato-rotundae.

✓MEXICO. Orizaba; *Baker*, n. 33 (hb. Mohr). [1576]

7631 *C. Dupetitii*, sp. n.; culmo elato, triquetro, aphylo; involucri bracteis umbellâ laxâ 2-3-plo longioribus; spiculis pallidis, linearibus; glumis laxiuscule imbricatis; stylo 3-fido; nuce late oblongâ, cum $\frac{1}{2}$ parte glumae aequilongâ.

C. glaber, Du Petit Thouars, MS., minime *C. Thouarsii*, Kunth.

Culmus 13 dm. longus; apice 3 mm. in diam., peracute triqueter; vaginae summae appendiculâ 18 mm. longâ, elongato-triangulari, firmâ, erectâ, fusce albâ terminatae. Umbellae bractee 5, quarum 3 inferiores usque ad 2 dm. longae, 5 mm. latae, planae, virides, 3-nerviae. Umbellae radii 7, usque ad 6 cm. longae, apice 1-3-spicatae. Spicae laxe racemosim 5-11-stachyae spiculae longae 16 mm. latae $1\frac{1}{2}$ mm., 16-florae. Glumae ovato-oblongae obtusae in margine late albidae: rhachillarum alae oblongae hyalinae subpersistentes. Stylus cum nuce aequilongus; rami cum stylo vix aequilongo. Nux trigona, lateribus parallelis, apice basique pyramidalis.—*C. tegetum*, Roxb. admodum affinis.

✓MADAGASCAR. *Du Petit Thouars* (hb. Delessert). [1649]

7632 *C. Berlandieri*, C. B. Clarke; stolonibus robustis in rhizoma crassiusculum ligneum induratis; culmo elato; foliis bracteisque longis; umbellâ evolutâ saepissime compositâ, polystachyâ; spiculis elongatis, latis multum compressis, fusce viridibus; glumis numerosis proventu vix imbricatis, in margine latiuscule albo-scariosis enervosis; nuce parvula (ceteroquin ut *C. rotundus*, Linn. formae maximae, ut *C. setigerus*, Torr. et Hook.). *C. lutescens*, Torr. ! Bot. U.S. and Mexic. Bound., p. 227, nec Torr. et Hook. etc. [1675]

7633 *C. zollingerioides*, sp. n.; culmo robustiore apice trigono; umbellae subsimplicis radiis 4, usque ad 12 cm. longis; bracteis 3, ima umbellam multo superante, 5 mm. lata; spicis 20-50-stachyis,

densissime spicatis; spiculis fuscis, linearibus, usque ad 35 mm. longis; rhachillae alis, ovatis, caducis; glumis laxiuscule sitis, 3 mm. longis, suberectis, ovatis apice acute triangularibus, pluriviridi-striatis, a basi spiculae sensim caducis; stylo longo, 3-fido; nuce cum $\frac{1}{3}$ parte glumae aequilongâ, oblongo-ellipsoideâ, trigonâ, paullo curvatâ.—Differt a *C. Zollingeri*, ob spicas dense 20–40-stachyas. Rhizoma, folia, non visa.

SOUTH AFRICA. Riversdale; *Rust*, n. 367 pro parte. [1711]

7666 *C. granatensis*, sp. n.; bracteis perlongis; umbellâ subsimplice radiis perlongis; spiculis sublaxe spicatis, lineari-lanceolatis, magnis, fusce viridibus, 8-floris; glumis magnis, obtusis, subremotis, proventu basi vix imbricatis; rhachillarum alis linearibus; stylo 3-fido; nuce oblongo-ellipsoideâ, triquetrâ, cum $\frac{2}{5}$ parte glumae vix aequilongâ.

Glabra. Culmus apice $2\frac{1}{2}$ mm. in diam., triqueter, levis. Umbellae radii usque ad 2 dm. longi; bractee usque ad 4 dm. longae 17 mm. latae in marginibus scabrae. Spicae 6–10-stachyae, pyramidales; bracteolae 1–2 cm. longae setaceae. Spiculae 17 mm. longae, 4 mm. latae. Glumae 5–6 mm. longae, ovatae, naviculares parum carinatae, in dorso virides arcte multistriatae, in lateribus fuscae parum nervosae, in margine gibbosae. Nux pro glumâ parva apice pyramidalis.—Species nullae aliae nisi *C. Zollingeri*, Steud., *C. Schweinfurthiano*, Boeck. similis; ex his differt colore et rhachillarum alis perangustis.

✓NEW GRENADA. *Horton* (hb. Kew). [1717]

7667 *C. tonkinensis*, sp. n.; culmis mediocribus, robustioribus, basi nodosis, caespitosim adgregatis; foliis bracteisque suberectis, longis perangustis; umbellâ subsimplice radiis breviusculis erectis; spiculis anguste linearibus multifloris in spicis elongatis subnudis erectis; glumis ovatis obtusis pallidis scariosis; stylo 3-fido; nuce ellipsoideâ cum $\frac{1}{2}$ parte glumae aequilongâ luteo-bruneâ.

Rhizoma perbreve, lignescens. Culmi 3–4 mm. in rhizomate approximati, 2 dm. longi, rigidi, trigoni, leves, basi in nodos 5–7 mm. in diam. incrassati. Folia culmum multo superantia, 3 mm. lata, longe attenuata. Umbella 8 cm. longa. 4 cm. lata; radii 1–4 cm. longi erecti; bractee usque ad 25 cm. longae, erectae, vix 3 mm. latae. Spicae elongatae usque ad 4 cm. longae. Spiculae usque ad 2 cm. longae, 1 mm. latae, 20–40 florum. Glumae pallidae fere omnino scariosae, in dorso vix obscure nervosae, marginibus in alas oblongas decurrentibus. Stylus nuce brevior, rami 3 lineares.—Species olim a me cum *C. Baikiei* juncta; differt culmis caespitosis, foliis bracteisque angustioribus, spicis elongatis pallidioribus.

✓TONKIN. *Balansa*, n. 2831. [1731]

7668 *C. brevicaulis*, sp. n.; culmis brevioribus, rigidis, basi nodosis caespitosim adgregatis; foliis bracteisque suberectis longis, perangustis; umbellâ subcapitatâ; spiculis linearibus, multifloris; glumis ovatis, pallidis, mucronatis; stylo 3-fido; nuce ellipsoideâ, cum $\frac{1}{2}$ parte glumae vix aequilongâ, nigrescente.

Rhizoma perbreve, lignescens. Culmi 3–4-nim in rhizomate approximati, 3–7 cm. longi. trigoni, leves, basi in nodos 5–7 mm. in

diam. incrassati. Folia usque ad 2 dm. longa, basi ipsâ 2-3 mm. lata longissime attenuata. Umbella 6-12-stachya; bracteae 3-5, usque ad 10-18 cm. longae, cum foliis consimiles. Spiculae usque ad 14 mm. longae 2 mm. latae. Glumae oblique patulae, arcte sitae, in dorso fusce viridis, leviter 5-7-nerviae, in lateribus late scariosae marginibus in alas oblongas decurrentibus. Stylus nuce brevior; rami 3 lineares, mediocres.—Species *C. tonkinensi* affinis; spiculae autem multo robustiores.

✓TONKIN. Tu-Chap, *Balansa*, nn. 2832, 2833. [1733]

7668 *Cyperus Merkeri*, sp. n.; culmis 3 dm. longis, apice trigonis; umbellâ compositâ, densiusculâ; radiis primariis 3-5, usque ad 6 cm. longis; bracteis 3-4, imâ usque ad 15-25 cm. longâ, 6 mm. latâ; spicis ultimis 3 cm. longis 35 mm. latis, 20-stachyis; spiculis atris, multum compressis, rigidiusculis, 16-20-floris; rhachillae alis ellipticis, subpersistentibus; glumis obtusis, estriatis; stylo 3-fido.

Rhizoma non visum. Folia 2 visa, 1 dm. longa, 6 mm. lata, apice angustata obtusa.—Species praeter colorem nigram bracteas latiores, ad *C. longum* var. *tenuiflorum* similis; ob spiculas multum compressas glumis arcte imbricatis a grege *C. aterrimi* remotiuscula.

✓TROPICAL AFRICA. Ubugwe (Rift Valley); Capt. *Merker*, n. 114. [1763]

7669 *C. victoriensis*, sp. n.; stolonibus longis, culmo erecto, elongato, acute triquetro, basi non incrassato; foliis elongatis, erectis; umbellâ simplice, parvâ; spiculis spicatis; ceteroquin ut *C. rotundus*.

C. rotundus, Benth., Fl. Austral. vii. p. 279, partim.

C. rotundus var. γ *Amaliae*, C. B. Clarke, in Journ. Linn. Soc. xxi. (1884), p. 172 partim (neque *Amalia Dietrich*, n. 712).

✓AUSTRALIA. Victoria; Murray River, *F. Mueller*. [1809]

7670 *C. Andrewsii*, sp. n.; gracilis; foliis bracteisque longis, angustissimis; inflorescentiâ corymbosâ, confertâ, 16-stachyâ; spiculis linearibus, 10-floris; glumis obtusis, pictis, viridi-castaneo-rubris; rhachillarum alis ellipticis.

C. subulatus var. *conferta* (exemplum alterum) Benth., Fl. Austral. vii. p. 281.

✓SOUTH AUSTRALIA. Lake Eyre, *Andrews*. [1813]

7671 *C. disruptus*, sp. n.; robustior, stolone robusto; foliis bracteisque longis; umbellâ simplice aut compositâ; spiculis spicatis, lineari-oblongis, 12-nuciferis, laete ferrugineo-bruneis; glumis laxiuscule imbricatis teneris, elliptico-oblongis; rhachillae flexuosae alis ellipticis acutis admodum caducis lucide bruneis; nuce parvulâ cum $\frac{1}{3}$ parte glumae subaequilongâ; stylo trifido.

Glabra. Culmus 5 dm. longus, basi paullo incrassatus, a fibrillis vestitus, obliquus, in rhizoma longe repens subito contractus, apice 3 mm. in diam. triqueter, levis. Folium summum cum culmo subaequilongum, 5 mm. latum. Umbellae radii 8, usque ad 4 cm. longi, tenuiores, apice corymbosim

1-3-spicigeri; bracteae umbellam longe superantes, cum foliis consimiles. Umbellularum radioli usque ad 12 mm. longi, divaricati, basi setaceo bracteolati. Spicae laxiusculae, 8-stachyae. Spiculae 12 mm. longae, 2 mm. latae, compressae. Glumae 4 mm. longae, naviculares, vix acutae, lucide ferrugineo-brunee, leviter 9-nerviae, admodum deciduae. Alae cum nodis curvatis rhachillae aequilongae (nec superne productae) proventu induratae saturate brunee fere castaneo-rubrae. Stamina 3; antherae lineari-oblongae, muticae, rubro-tinctae. Nux obovoidea, obtusa, obtuse trigona, cinereo-nigra, cellulis extimis emarcidis albidis subconspicuis; stylus tenuis, nuce multo longior; rami 3, lineares, exserti.—Spiculae submaturae a glumis alisque caducis-simis disruptae.

✓AUSTRALIA. *MacDougal Stuart* (hb. Kew); Darling River, *Dallachy*; *Mitchell*, n. 24 (hb. Mus. Brit.). [1814]

7672 *C. bifax*, sp. n.; stolonibus longis robustioribus, in rhizoma crassiusculum ligneum induratus; culmo robustiore basi paullo nodoso-incrassato; foliis bracteisque perlongis; umbellâ cum spiculis *C. esculento*, F. Muell. *Fragm. Phyt. Austral.* viii. p. 269, simillima.

C. rotundus var. *pallida*, Benth. *Fl. Austral.* vii. p. 280, i.e., "var. in *C. esculentum*, Linn. transiens, si non cum *C. esculento* omnino eadem planta," Benth. *C. esculentus*, F. Muell. *Second Census Austral.* p. 211.

AUSTRALIA. Queensland; Tambo, *Wuth* (hb. Kew). [1831]

7673 *Mariscus binucifer*, sp. n.; stolonibus 0; culmo basi a vaginis coloratis incrassato; umbellâ simplice, radiis brevibus aut subnullis; spicis breviter cylindricis, densiusculis; spiculis linearibus 3-2-nuciferis; stylo 3-fido; nuce lineari-oblongâ, cum $\frac{2}{3}$ parte glumae aequilonga.

Glabra. Culmus 3 dm. longus. Folia cum $\frac{1}{2}$ parte culmi aequilonga, 2-3 mm. lata. Bracteae 3, usque ad 11 cm. longae, cum foliis consimiles. Radii 5, usque ad 7 mm. longi. Spicae 16 mm. longae, 10 mm. latae, pallidae, spadiceo-tinctae. Spiculae (fructu maturo) 7 mm. longae, 1 mm. latae, fere teretes. Glumae stricte adpressae, acutae, valide strictae; rhachillarum alae persistentes nucem retinentes. Nux trigona, paullo-curvata, castaneo-sanguinea.—Species *M. albomarginato* affinis.

SOUTH AFRICA. Transvaal; Lydenberg, *Wilms*, n. 1623. Natal, alt. 1250 m., *Schlechter*, nn. 6433, 6664. [2099]

7674 *M. pseudo-vestitus*, sp. n.; culmis basi cylindro-incrassatis angulatis induratis glabris; foliis anguste linearibus; spicis in caput 1 congestis aut fere congestis; ceteroquin ut *M. vestitus*, C. B. Clarke, in *Dyer*, *Fl. Cap.* vii. p. 188, partim.

M. vestito, C. B. Clarke, peraffinis, ob vaginas basales diversa.

SOUTH AFRICA. Natal, Claremont, *Schlechter*, n. 3145; Maritzburg, alt. 900 m., *Schlechter*, n. 3310. Grahamstown, *Daly*, n. 669. [2116]

7675 *M. Boeckeleri*, C. B. Clarke; rhizomate brevi; culmo basi a vaginis laceris multum incrassato; capite 1, globoso, stramineo,

spiculis 2-nucigeris; glumis nucigeris ovato-oblongis, exalatis in latere utroque multistriatis; stylo 3-fido. *Kyllinga bulbocaulis*, - 7625
Boeck. in Flora, lviii. (1875) p. 258.

SOUTH TROPICAL AFRICA. Zanzibar. [2116]

7678 *Mariscus Whitmeei*, sp. n.; umbellae subsimplicis radiis bracteisque perlongis; spicis longe oblongis, basi subcompositis, densis; spiculis lanceolatis, acutis, 2-floris, junioribus erectis; glumis nucigeris ovato-oblongis, obtusis, vix carinatis, arcte imbricatis; stylo 3-fido.

Glabra, robustior. Rhizoma obliquum, breve. Culmus apice 3 mm. in diam., trigonus, levis. Folia usque ad 5 dm. longa, 1 cm. lata, plana. Umbellae radii 9 usque ad 1 dm. longi; bractee 7 usque ad 6 dm. longi, basi suberectae, cum foliis consimiles. Spicae longae 25 mm. latae 8 mm., cylindricae, basi usque ad 14 mm. latae subdivisae; bracteolae inconspicuae. Spiculae 6 mm. longae, juniores $1\frac{1}{2}$ mm. latae, subteretes; gluma summa sterilis, angustior, longe exserta (junior saltem) curvata. Glumae 2 imae parvae, vacuae. Glumae nucigerae juniores arcte convolutae, ferrugineo-viridis, multistriatae, nodis rhachillae longiusculis.—Exemplum juvenile.

POLYNESIA. Samoa, *Whitmee*, n. 24. [2192]

7681 *M. chlorocephalus*, sp. n.; glabra; spicis 3-7, ovoideis, densis, alboviridibus in caput aggregatis; spiculis oblongis 2-3-floris, subacutis; stylo 3-fido; nuce oblongo-obovoidea, triquetra, leve, pallida.

Rhizoma breve, lignescens. Culmi 8-12 cm. longi, robusti; vaginae imae plures dilatatae, rigidae fere corveae, castaneae. Folia culmo saepe multo longiora, plana, 5 mm. lata, lenta, glaucescenti-viridia. Caput 2 cm. in diam., subcorymbosim ovoideum; bractee 6, usque ad 12-18 cm. longae, cum foliis consimiles, patulae, basi vix dilatatae. Spicae 1 cm. longae, spiculis (junioribus suberectis) perdensae. Spiculae 5 mm. longae, $1\frac{1}{2}$ mm. latae, 5-7-glumae; glumae, 2 imae vacuae, florigerae ovatae vix acutae albescentes, carina viridi, 5-7 nervis subviridibus; gluma summa vacua; rhachilla supra glumam tertiam cum $\frac{1}{2}$ parte glumae vix aequilonga alis ellipticis hyalinis. Nux cum $\frac{2}{3}$ parte glumae aequilonga; stylus perbrevis, ramis 3 linearibus longiusculis rubro-brunneis. Stamina 3.

✓ GUIANA. Essequibo River, *Jenman*, n. 1129. Cayenne; *Leprieur*, n. 81. [2259]

7682 *M. Brittonii*, sp. n.; robustior; umbellâ simplice; spicis solitariis, breviter cylindricis, densis, fuscis; spiculis rectangulatim patulis, lineari-oblongis, 3-5-nucigeris.

M. cylindricus var. vel sp. nova, Britton, MS. - 7682

Cyperus Baldwinii, Boeck. in Linnaea, xxxvi. (1869-70), p. 357, partim.

Differt a *M. ovulari*, Vahl, var. β *robusta*, nonnisi spicis cylindricis (spiculis inferioribus rectangulatim patulis), neque globosis (spiculis inferioribus admodum deflexis).

✓UNITED STATES. New Orleans. *Drummond*, n. 392. Alabama, *Buckley*. Texas (Lampasas) *Plank*. [2279]

2339 *M. retrorsus*, C. B. Clarke; *Cyperus retrorsus*, Chapm. in Coulter, Bot. Gazette, iii. (1878), p. 17; Britton, in Bull. Torr. Bot. Club, xiii. (1886), p. 215. [2284]

7684 *M. alpinus*, C. B. Clarke; *Cyperus alpinus*, Liebm. Mexic. Halvgr. p. 27 (1850). L 5104 [2317]

2339 *M. panamensis*, sp. n.; spicis quadrato-cylindricis in radiis umbellae simplicis solitariis, densis; spiculis lineari-oblongis, 3-5-nucigeris, proventu rectangulatim patulis; glumis nucigeris ovatis, obtusis, a carinâ viridi excurrente longiuscule mucronatis; stylo 3-fido; nuce cum $\frac{3}{4}$ parte nucis aequilonga, latiusculâ.

Glabra. Rhizoma vix ullum. Culmi caespitosi, 2-5 dm. longi, mediocres, leves. Folia cum $\frac{2}{3}$ parte culmi aequilonga, usque ad 5 mm. lata. Umbellae radii 4-7, usque ad 2-3 (interdum ad 5-7) cm. longi; bracteae 4-5, usque ad 1-2 dm. longae, 5mm. latae, patulae. Spicae usque ad 26 mm. longae, 24 mm. latae (saepius minores), fusce lutescenti-brunee. Spiculae usque ad 1 cm. longae, 1 $\frac{1}{2}$ -2 mm. latae, obscurius angulosae. Gluma ima apice setiformis, glumis nuciferis brevior; gluma secunda longa 1 $\frac{1}{2}$ mm., quadrata, obtusa, vacua; gluma tertia nucifera, in dorso viridi-7-9-nervis; mucro 1 mm. longa. Nux utrinque angustata, paullo curvata; stylus cum $\frac{1}{2}$ parte nucis vix aequilongus rami 3 lineares.—Species ad *M. Meyenianum*, *alpinum*, etc., sat affinis, a glumis longius mucronatis diversa.

GUATEMALA. Alt. 300 m., *Donnell Smith*, n. 2230; COLOMBIA. Panama, *Hayes*, nn. 7, 427; Santa Marta, *H. H. Smith*, n. 2382.

7685 Var. β *deformis*, var. n.; radiis umbellae 1-3, uno interdum longo; spicis pauci-(6-10)-stachyis, spiculis paullo elongatus 7-nucigeris, glumarum mucronibus brevioribus.

Umbella irregularis, mode e 1 spicâ sessili mode e 2-3 spicis (quarum 1-2 longe radiatae) constituta. Spiculae usque ad 16 mm. longae fere 2 mm. latae, iis *M. panamensis* simillimae, mucronibus autem glumarum nucigerarum vix $\frac{1}{2}$ mm. longis.—Inflorescentia lata, deformis spicis paucifloris a *M. panamensi* typica dissimilis est.

ECUADOR. Guayaquil, *Spruce*. [2325]

7686 *M. Curtisii*, sp. n.; spicis 3-8, in umbellâ simplice pedunculatis, cylindricis, perdensis, laete luteo-bruneis aut fusce rubentibus; spiculis oblongis, 3-nuciferis; glumis obtusis, striatis, proventu oblique patulis; stylo 3-fido; nuce anguste ellipsoideâ, cum $\frac{3}{4}$ parte glumae aequilongâ.

Cyperus sp. nova (fide amiciss. Britton).

Glabra. Rhizoma 0. Culmi 6 dm. longi, caespitosi, subrobusti, apice trigoni leves. Folia 4 dm. longa, 4 mm. lata. Umbellae radii usque ad 6 cm. longi; bracteae 4, usque ad 18 cm. longae. Spicae 2 cm. longae, 1 cm. latae, inter species vicinas densissimae, spiculis fructiferis rectangulatim patentibus. Spiculae iis *M. cornuti*, Anders. persimiles; rhachillarum alae oblongae, hyalinae,

subpersistentes. Nux trigona nigra, apice paullo lanceolata.—Species hujus sectionis, mihi videtur *M. cornuto* magis quam *M. Manimae* affinis.

✓UNITED STATES. North Carolina, *Curtis* (hb. Carey); Florida, *Rugel*, nn. 387, 430, 446; Miami, *Pollard*, n. 257. [2346]

268^a *Mariscus Manimae*, C. B. Clarke [in *Contr. U.S. Nat. Herb.* x. (1908) p. 452]; *Cyperus Manimae*, H.B.K. — 1818 [2348]

369^a *M. phaeocephalus*, C. B. Clarke; *Cyperus phaeocephalus*, Griseb. [2355]

487^a *M. guatemalensis*, sp. n.; stolonibus longis squamosis; culmo mediocri apice perscabro; foliis bracteisque longis, perscabris, spicis 3–4, densis, in caput congestis, castaneo-sanguineis; ceteroquin fere ut *M. phaeocephalus*.

Stolones rigidi 4–5 cm. longi, 2 mm. in diam. a squamis arcte sitis intecti. Squamae 1 cm. longae, ovatae, apice triangulares, castaneo-sanguineae, striatae, integrae, rigidae, scabrae. Culmi quam in *M. phaeocephalo* robustiores. Tota planta setulosa scaberima.—*M. Manimae*, H.B.K. forsitan var. habenda; sed a colore ab omnibus exempli *M. Manimae* secedens.

✓GUATEMALA. *Bernouilli et Cario*, n. 1001. [2357]

517^a *M. dipsaceus*, C. B. Clarke; *Cyperus dipsaceus*, Liebm. [2358]

569^a *M. fuliginus*, C. B. Clarke; *Cyperus fuliginus*, Chapm. [2362]

535^a *M. longeradiatus*, Hillebrand! MS., non Liebm. *Cyperus Kunthianus*, Boeck., MS., ex W. F. Hillebr.! Fl. Hawaii, p. 468. [2386]

564^a *M. decipiens*, C. B. Clarke; *Cyperus decipiens*, Hillebr.! [2387]

M. Ehrenbergianus, C. B. Clarke [in *Contr. U.S. Nat. Herb.* x. (1908) p. 452]; *Cyperus Ehrenbergianus*, Boeck.! [2391]

512^a *M. Gayi*, C. B. Clarke; annua; foliis bracteisque perlongis, gramineis; umbellâ fere capitata; spicis breviter cylindricis, densissimis, fusco-bruneis; spiculis minimis, 4–6 nucigeris; glumis subremotis ellipticis, obtusis; stylo 3-fido; nuce anguste oblongâ cum glumâ aequilongâ.

Cyperus micromegas, J. Gay, MS. in hb. propr.; non Nees.

Glabra. Culmi 10–15 cm. longi, apice trigoni, leves. Folia culmum superantia, 3–4 mm. lata, plana, tenuia, vix scabra. Bracteae 4–5, usque ad 10–15 cm. longae, patulae, cum foliis consimiles. Umbellae radii 4–5, usque ad 5 mm. longae; spicae 7 mm. longae, 5 mm. latae, spiculis innumeris rectangulatim extantibus. Spiculae 2–3 mm. longae vix 1 mm. latae, compressae; rhachillarum alae lineari-oblongae, hyalinae. Glumae concavae, in dorso 3–5-nerviae, atro-rubrae, in fructu subpatulae. Nux glumam saepe superans, trigona, utrinque subobtusata, nigra “puncticulata” (i.e., cellulae extimae hexagonae subinflatae); stylus perbrevis, rami 3 lineares breviusculae.—Spicularum structura *Cyperum* refert; sed spiculae admodum caducae, glumae persistent.

✓ FRENCH GUIANA. *Poiteau* (hb. J. Gay). [2394]

7301 ✓ *M. guianensis*, sp. n.; robusta, spicis in radiis (numerosis) solitariis, longe cylindricis, perdensis, pallide rubescentibus; spiculis lineari-oblongis, paullo deflexis, 2-3-nucigeris; stylo 3-fido; nuce anguste ellipsoideâ aut lineari-oblongâ.

Glabra. Culmus 5 dm. longus, crassus, apice trigonus levis. Folia culmo longiora, usque ad 14 mm. lata, lenta, lucida, in marginibus secanti-scabra. Umbella corymbosa; bracteae numerosae cum foliis consimiles; radii 16, usque ad 4 cm. longi, perrobusti. Spicae 4 cm. longae, 8 mm. latae, 150-stachyae, basi vix compositae. Spiculae 3-4 mm. longae vix $\frac{3}{4}$ mm. latae. Glumae nuciferae ovato-oblongae, vix acutae, pallide roseae, leviter 11-15-striatae.—Planta robusta a colore et spicis densis primo adpectu ad *M. rufum* affinis; sed a spiculis parum turgidis et inflorescentiâ reverâ diversa.

✓ BRITISH GUIANA. Potaro River, *Jenman*, n. 1028 (hb. Kew). [2412]

M. laeteflorens, sp. n.; robusta, bracteis perlongis vix transversim notatis; umbellâ decompositâ, densiuscula; spicis pernumerosis, laxius spicatis, laete rubentibus; spiculis oblongo-linearibus, paullo compressis, 5-8-floris; glumis arctius imbricatis; stylo 3-fido; nuce oblongo-obovoideâ, cum $\frac{2}{3}$ parte glumae aequilongâ.

Culmus 3-6 dm. longus, robustus, apice 3-4 mm. in diam. triqueter, glaber, vaginae inferiores durae, atro-rubrae. Folia culmo longiora, 4-7 mm. lata, plana, lenta non transversim notata. Bracteae 5, usque ad 6 dm. longae, 8 mm. latae, lentae. Umbellae radii numerosae, usque ad 8 cm. longae apice composite corymbosae. Spiculae 8 mm. longae $1\frac{1}{2}$ mm. latae, supra 2 imas glumas e pulvillo deciduae; rhachillarum alae ovatae hyalinae, e basi glumae descendentes, proventu deciduae. Glumae ovatae, obtusae, parum carinatae, in dorso 11-13-striatae, rubrae, persistentes, in fructu vix patulae. Stamina 3. Nux trigona, apice obtusa.—Species *M. albescenti* affinis, sed spiculae multo graciliores.

✓ POLYNESIA. Isle of Pines. *Milne* n. 165; New-Caledonia, *Vieillard*, n. 3330. [2428]

732 ✓ *M. Armstrongii*, sp. n.; robustior, foliis bracteisque longis spongiosis, transversim lineolato-septatis; inflorescentiis partialibus composite paniculatis, vix umbellulatis; spicis cylindricis, densiusculis; spiculis parvulis, c. 4-floris, juvenilibus cinnamomeis; stylo 3-fido:

734 ✓ *Cyperus Armstrongii*, Penth. Fl. Austral. vii. p. 289, quoad *Armstrong*, n. 616. [2434]

M. magnus, sp. n.; bracteis 12, imâ usque ad 8 dm. longâ, 2 cm. latâ; umbellâ subcompositâ, densâ; spicis usque ad 5 cm. longis 22 mm. latis, densis, stramineis, 120-stachyis; spiculis 11 mm. longis, 6-floris; styli ramis 3, rufo-bruneis.

Culmus apice robustus, trigonus, levis. Umbellae radii 12, 4-10 cm. longi, apice 1 spicam (2 spicis brevibus basi interdum additis)

proferentes. Glumae ellipticae, obtusae, laxae sed densius imbricatae.—Species ad exempla (rariora) pallida *M. riparii*, Schrader, affinis.

✓GERMAN EAST AFRICA. Usambara; Kwai, *Albers*, n. 145. [2451]

7714 *Mariscus alterniflorus*, C. B. Clarke; *Cyperus alterniflorus*, R. Br. [2497]

7715 *M. sanguineo-fuscus*, C. B. Clarke; *Cyperus sanguineo-fuscus*, Hook. f. Fl. Tasm. ii. p. 80. t. 139. [2499]

7716 *M. lucidus*, C. B. Clarke; *Cyperus lucidus*, R. Br. Prod. p. 218. [2501]

7717 *M. haematodes*, C. B. Clarke; *Cyperus haematodes*, Endl. Prod. Fl. Norf. 22. [2502]

7718 *M. Gunnii*, C. B. Clarke; *Cyperus Gunnii*, Hook. f. Fl. Tasm. ii. p. 80. t. 140. [2506]

✓*M. rutilans*, C. B. Clarke; culmo mediocri vel subrobusto apice trigono, foliis bracteisque perlongis, vix septato-notatis; umbellae radiis primariis 1–3 spicas globosas substellatas rubro-bruneas admodum approximatas gerentibus; spiculis lineari-oblongis, 6–9-nucigeris; glumis majusculis, obovato-lanceolatis (saltem superioribus), subconspicue mucronatis; stylo 3-fido; nuce anguste obovoideâ, cum $\frac{2}{3}$ parte glumae vix aequilongâ. *Cyperus fulvus*, Benth. ! Fl. Austral. vii. p. 274, partim, non R. Br.; *C. Gunnii*, Benth. ! l.c. p. 283, partim, non Hook. f.

AUSTRALIA. Armidale, *Parrott*; Liverpool, and Castlereagh River, *C. Moore*; Victoria, *Robertson*, n. 561. [2509]

7719 *M. Cunninghamii*, C. B. Clarke; culmo mediocri vel graciliore, apice trigono; foliis longis perangustis; umbellâ fere simplice; spicis globosis substellatis, fusce stramineis; spiculis linearibus, 6-nucigeris; glumis remotiusculis, minute apiculatis; stylo 3-fido; nuce anguste oblongâ, cum $\frac{3}{4}$ parte glumae aequilongâ. *Cyperus Gunnii*, Benth. ! Fl. Austral. vii. p. 213, partim, non R. Br.—Species ob glumas inter se remotas, et folia setacea a *M. Gunnii* primo adspectu nota. [2510]

✓AUSTRALIA. Dampier Archipelago and adjacent North Coast of Australia, *Cunningham* (hbb. Kew, Mus. Brit.); *Walcott*, *Pemberton*.

7720 *M. fulvus*, C. B. Clarke; *Cyperus fulvus*, R. Br. Prod. p. 215. [2511]

7721 *M. rigidellus*, C. B. Clarke; rhizomate brevissimo; culmo brevi apice levi; foliis longiusculis, in sicco involutis; spicarum corymbis subcapitatis, radiis brevibus aut subnullis; spiculis oblongis c. 10-nucigeris, luteo-fulvis; glumis obtusis, approximatis, proventu vix imbricatis; stylo 3-fido; nuce oblongâ, apice acutâ, cum $\frac{1}{2}$ – $\frac{1}{3}$ parte glumae aequilonga.

Cyperus gracilis var. *rigidella* (pro majore parte) Benth. ! Fl. Austral. vii. p. 266.—Quasi *M. fulvi* var. *canescentis* forma depauperata differt teneritate, glumis minus lucidis minus striatis, rhachillâ exalatâ, nuce angustiore exacte oblongâ. [2515]

✓ AUSTRALIA. Lake Eyre, *Andrews*, nn. 121, 122.

- 7153 *M. angustatus*, C. B. Clarke; *Cyperus angustatus*, R. Br. Prod. p. 214. L 7563 [2516]
- 7154 *M. Holoschoenus*, C. B. Clarke; *Cyperus Holoschoenus*, R. Br. Prod. 215. [2518]
- 7159 *M. carinatus*, C. B. Clarke; *Cyperus carinatus*, R. Br. Prod. p. 216. L 7565 [2520]
- 5326 *M. hypochlorus*, C. B. Clarke; *Cyperus hypochlorus*, Hillebr. Fl. Hawaii, p. 468. L 806 [2522]
- 3145 *M. strigosus*, C. B. Clarke [in *Contr. U.S. Nat. Herb.* x. (1908) p. 453]; *M. elatus*, Willd. non Vahl; foliis bracteisque angustis longis; umbellâ subsimplice; spiculis in spicis cylindricis rectangularitè patentibus, lineari-lanceolatis, compressis; rhacheolae alis angustibus persistensibus. *Cyperus strigosus*, Boeck. in *Linnaea*, xxxvi. (1869-70), 346.

NORTH AMERICA.

- 7157 *M. stenolepis*, C. B. Clarke; *Cyperus stenolepis*, Torr. in *Ann. Lyc. New York*, iii. (1836), p. 263, 282. L 1859 [2538]
- 7158 *M. cephalanthus*, C. B. Clarke; *Cyperus cephalanthus*, Torr. in *Ann. Lyc. New York*, iii. (1836), p. 431. L 1786 [2543]
- 7155 *M. litoreus*, sp. n.; robustior, umbellae simplicis radiis 5, usque ad 1 dm. longis, spicis 2 cm. in diam. 50 spiculis densissimis, ferrugineis; spiculis 10-12 mm. longis 3 mm. latis 8-10-nucigeris; glumis muticis, proventu distantibus caducis; spicularum rhachillis gracilibus undulatis deciduis.

Glaber. Culmus 5 dm. longus, apice rotundo-trigonus. Folia cum $\frac{3}{4}$ parte culmi aequilonga, 4-5 mm. lata, lenta. Bracteae 5, ima 15 cm. longa, foliiformis. Glumae ovato-ellipticae mox caducae (ut in *M. Meyeniano* paucisque aliis). Noces oblongo-ellipsoideae, cum $\frac{1}{2}$ - $\frac{2}{3}$ parte glumae aequilongae.—Species ad formas maximas *M. Meyeniani* approximans, ob spiculas densissimas stipatas diversa.

FLORIDA. Long Key, *Simpson*, n. 432. [2544]

- 7156 *M. setiglumis*, C. B. Clarke; *Papyrus Pohlii*, Nees! in *Mart. Fl. Bras. ii., pars I.*, p. 59; *Cyperus Pohlii*, Steud.; *C. strigosus*, Boeck. !; *C. Mendoncae*, Boeck.; *C. Warmingii*, Boeck.; *C. longispicatus*, Boeck. ! [2545]
- 7160 *M. Balansae*, C. B. Clarke; *Cyperus Balansae*, Maury, in *Mém. Soc. Genève*, xxxi. (1890), p. 130, t. 39. L 7251 [2559]
- 7757 *M. Tabina*, C. B. Clarke; *Cyperus Tabina*, Steud. !, in *Lechl. Berberid*, p. 56. L 2108 [2562]
- 7761 *M. caesius*, C. B. Clarke; *Cyperus caesius*, Boeck. !, in *Linnaea*, xxxvi. (1869-70), p. 331. L 7766 [2564]
- 7162 *M. acutus*, C. B. Clarke; *Cyperus acutus*, R. Br. ! Prod. p. 217. L 7767 [2610]

7269 **Mariscus Bowmanii**, C. B. Clarke; *Cyperus Bowmanii*, Benth. !
Fl. Austral. vii., p. 287. [2611]

7770 **M. Dietrichiae**, C. B. Clarke; *Cyperus Dietrichiae*, Boeck., in
Flora, lviii. (1875), p. 87. [2612]

7771 **M. floridensis**, C. B. Clarke; parva; spicâ solitariâ, 5-12-stachya;
bracteis perlongis, subulatis; spiculis linearibus, 7-8-floris; glumis
fructiferis, oblique subpatulis, stylo 3-fido; nuce anguste lanceo-
latâ. *Cyperus filiformis*, Chapm., Fl. South U.S., p. 510.

FLORIDA. Key West, *Blodgett, Chapman, Rugel*, nn. 46, 107,
Cosmo Melvill. [2613]

7772 **M. lancastrimensis**, C. B. Clarke; *Cyperus lancastrimensis*, A. Gray,
Bot. North U.S., ed. 5. p. 555 (1868). [2616]

7773 **M. praelongatus**, C. B. Clarke; *Cyperus praelongatus*, Steud.
Cyp. p. 46. [2619]

7774 **Torulinium macrocephalum**, C. B. Clarke; *Cyperus macrocephalus*,
Liebm. Mex. Halvgr. p. 33. [2691]

7775 **T. Hayesii**, sp. n.; spicis magnis, laxis, basi paullo compositis,
simpliciter umbellatis; spiculis longis, linearibus, sub-14-nucigeris,
fuscis; glumis distantibus, proventu oblique patulis vix imbricatis;
stylo 3-fido; nuce ellipsoideâ, rhachillae alas duplo superante,
quam in *T. conferto* multo majore.

Glabra. Rhizoma nullum. Culmus 4-6 dm. longus, erectus,
gracilior, imâ basi paullo bulbosus, apice trigonus levis. Folia
cum culmo subaequilonga, 5-7 mm. lata. Umbellae radii 3-6,
usque ad 3 cm. longi; bracteae 3-5, usque ad 2-3 dm. longae,
cum foliis consimiles. Spicae usque ad 3 cm. longae, 35 mm.
latae, spiculis subremotis, numerosis, proventu rectangulatim
patulis. Spiculae 15 mm. longae, 3 mm. latae, rectae. Glumae
3-4 mm. longae, quam in *T. conferto* majores. Rhachillarum alae
latae obovatae, purpureo-maculatae, persistentes. Nux 2 mm.
longa, nigra.

✓ COLOMBIA. Panama, *Hayes*, n. 424 (plura exempla opt.)
[2692]

7776 **Eleocharis Sagotii**, sp. n.; culmus 3-6 dm. longis, admodum
tenuibus; spiculâ 12 mm. longâ, lineari-lanceolatâ, acutâ, glumis
oligospiris; setis 4-6 nuce brevioribus; stylo 3-fido; nuce
obovoideâ longitudinaliter striatâ et inter strias transversim
trabeculatâ, pallidâ.

Stolones elongati tenues. Culmi 1-2 mm. crassi, apice vix
trigoni; vaginae tenues detergibiles. Spicula junior vix 1½ mm.
lata; maturata a glumis sub-patulis multo latior. Glumae in
parte inferiore spiculae, 2-3-spirae, virides, juxta marginem
purpureo-sphacelatae. Setae tenuiter retrorsim scabridae pallidae
(vel in plante *Boeckeleri* ferrugineae). Nux cum ½ parte glumae
vix aequilonga, subtrigona, apice mo lice angustata, sub-24-striata;
stylobasis bulboso-pyramidalis nucis apice latior, nigrescens;
cellulae extimae nucis fere quadratae conspicuae. Species *E.*
peruviana affinis.

✓ FRENCH GUIANA. *Sagot*, n. 1390.

Var. β . *glochidiata*; setis 7, robustis, nucem cum rostro superantibus, valide retrorsim longe scabris, apice subglochidiatis.

BRITISH GUIANA; *Jenman*, n. 6111. [2792]

4779 *E. nuda*, C. B. Clarke; culmis 20–25 cm. longis, tenuioribus, teretibus; spiculâ longâ 2 cm., latâ 2–3 mm., cylindricâ; glumis remotiusculis, pallidis, juxta marginem sphacelatis; setis 0; stylo (an semper?) 2-fido; nuce obovoideâ, apice angustatâ, cancellatâ, lucide altâ.

Heleocharis atricha, F. Muell., *Fragm.* viii. p. 252. non *Eleocharis atricha*, R. Br. [2627]

4780 *E. Savatieri*, C. B. Clarke; rhizomate repente; culmis 3–6 dm. longis; vaginâ summâ apice strictâ, herbaceâ, truncatâ; spiculâ ellipsoideâ, elongatâ; stylo 2-fido; nuce obovoideâ, planoconvexâ, levi, bruneâ; stylo-basi quam nux maturata fere duplo longiore, cancellatâ, albâ.

Scirpus mitratus, Franch. et Savat. *Pl. Jap.* ii. p. 111, 544; non Griseb. [2968]

JAPAN. Nippon, Yokoska, *Savatier*, nn. 2020, 1384; Mombersu, *Faurie*, n. 657; Shonai, *Faurie*, n. 2737; Mororan, *Faurie*, nn. 10278, 10289; Kiritap, *Faurie*, n. 1094; Hakodate, *Faurie*, n. 500; Urakawa, *Faurie*, n. 10557; Nemuro, *Faurie*, n. 7524.

ALASKA. Te Bay, *Howell*, n. 1686; Yeo Bay, *Gorman*, n. 157.

4781 *E. subcancellata*, sp. n.; parvula; rhizomate nullo; vaginis albidis, detergibilis; culmis tenuibus; spiculâ polyspira, 5–12-nucigera; setis 0; stylo 3-fido; nuce globosâ triquetra, albidâ proventu fenestratâ; stylo-basi ovoideâ, albâ, quam nux multum angustiore.

Culmi 2–4 cm. longi. Spicula vix 2 mm. longa, ovoidea. Glumae naviculares, ovatae, sublucidae, carinâ viridescente, lateribus subcastaneis, marginibus laete scariosis. Nux minuta apice truncata basi a cupulâ albidâ (setis connatis?) suffultâ; nucis corpus fere nigrum, proventu per cellulas extimas fenestratas albas visum.

MEXICO. Guadalajara, *Pringle*, n. 3430. [3037]

4782 *E. Schlechteri*, sp. n.; parva, rhizomate tenui ligneo; vaginâ summâ apice obliquâ firmâ; spiculâ 5–8 mm. longâ, 2 mm. latâ, multiflorâ laxiusculâ; setis 6 nucem superantibus; stylo 2-fido; nuce obovoideâ apice contractâ; stylo-basi brevi pyramidalis.

Glabra. Rhizoma (visum) 2 cm. longum. Culmi 2–4 cm. longi, pro parvâ plantâ rigidiusculi. Spiculâ bruneâ, glumis obtusis undique imbricatis. Nux trigona, compressa, brunea, subviridescens, cellulis extimis rotundo-hexagonis. [Cf. *E. Schlechteri*, C. B. Clarke, in *Dyer*, *Fl. Cap.* vii., p. 758.]

SOUTH AFRICA. Vogelgat, *Schlechter*, nn. 9484, 10410. [3061]

7782 *E. spadicea*, C. B. Clarke; rhizomate nullo; culmis 2–5 cm. longis, capillaribus; spiculâ 3–5 mm. longâ, 8–16-florâ; glumis spadiceis (purpureo-bruneis), inferioribus subdistichis; stylo 3-fido; nuce ellipsoideâ; stylo-basi conicâ; setis 5–6, validis,

brunescentibus. *Chaetocyperus albibracteatus*, Nees! in Nov. Act. Nat. Cur. xix. Suppl. I. (1843), p. 95, partim. [3136]

4558 *Eleocharis subfoliata*, sp. n.; culmis 5 cm. longis, setaceis, vaginis ore expansis late lanceolatis; spiculâ 8 mm. longâ, oblongâ, densâ; stylo 3-fido; nuce (immatura) obovoideâ, apice angustatâ, levi, nitide albâ; stylobasi parvâ.

Rhizoma nullum. Culmi caespitosi, 3-4-angulares striatuli interdum nigropunctati; vaginae castaneae, apice in laminam convolutam 3 mm. longam scarioso-castaneam dilatatae subpersistentes. Spicula lata 2 mm. densiuscule multiflora, fusce spadicea, ob stylos longos fere bruneo-comosa. Glumae ovatae obtusae castaneo-spadiceae, in margine scariosae, in dorso centrali vix pallidiores, emarcidae subpersistentes; ima latior vacua, non viridescens. Setae 5 (nempe 3 sepala, 2 petala antica), retrorsim scabrae, ferrugineae, nucem juvenem multo superantes. Nux dubia, forsan maturata nigra; stylus longus, rami 3 longi tenues remote sparsim scabri.

✓ BRAZIL. Pará, *Spruce*, n. 563; Piauhy, *Gardner*, n. 2753. [3154]

4559 *E. amazonica*, sp. n.; culmis 5-20 cm. longis, tenuioribus; spiculâ 8 mm. longâ, pallidâ; stylo 3-fido; nuce obovoideâ, apice angustatâ, levi, albida; stylo-basi parvâ, nigrâ, pyramidali, quam nucis apex latiore.

Rhizoma elongatum tenuissimum, vix 1 mm. in diam. Culmi fasciculati, striata, vagina summa apice firma, in altero latere ovato-triangularis producta. Spicula late oblonga multiflora. Glumae late ellipticae, obtusae fere emarginatae, in dorso late fusce stramineae, in latere angustius coloratae lutescentes vel paullo spadiceae, in margine hyalinae. Setae rudimentariae, cum $\frac{1}{2}$ parte nucis vix aequilongae, parum scabrae, fere leves, inaequales. Nux parvula cum $\frac{2}{5}$ parte glumae vix aequilonga, trigona; cellulae extimae quadrangulares, inconspicuae, i.e. nux opaca, vix reticulata.—Sp. *E. sulcatae*, Nees, proxima; differt spiculis laxioribus, pallidioribus, et setis rudimentariis.

✓ BRAZIL. River Amazon; *Traill*, nn. 1191, 1192; Santarem, near Pará; *Spruce*, nn. 889 partim, 1082. [3163]

E. nubigena, C. B. Clarke; culmis 1-8 cm. longis, filiformibus; spiculâ 3 mm. longâ, 3-7-florâ, castaneâ; stylo 3-fido; nuce obovoideâ, apice angustatâ hyalino-marginatâ, levi, luteo-bruneâ; stylo-basi parvâ pyramidatâ.

Rhizoma repens, tenue, lignescens. Vaginae apice strictae, truncatae, virides, firmae integrae, anguste scarioso-marginatae. Glumae fere ut *E. albibracteatae*. Setae 3-4, cum nuce vix aequilonga, trigona, apice in marginem triangularem hyalinam desinens; stylo-basis parva fusco-brunea intra marginem hyalinum sita; nucis cellulae extimae quadratae subinflatae, admodum hyalinae mox omnino detersae.—Species *E. albibracteatae* affinis et proxima; differt vaginae ore et nucis margine apicali.

ANDES. Bolivia, Larecaja, alt. 2,100 m. *Mandon*, nn. 14, 13; alt. 3,700 m., *Fiebrig* nn. 2636, 2887. Ecuador, *Spruce*, n. 5913; Argentina, Nevado del Castillo, *Lorentz & Hieronymus*, n. 65.

[3207]

E. platypus, sp. n.; culmis 10-25 cm. longis, subrobustis, basi in rhizomate obliquo ligneo crasse caespitosis; spiculâ 8 mm. longâ, 3 mm. latâ castaneo-bruneâ; stylo 3-fido; setis 4, nucem superantibus, ferrugineis; nuce oblongo-ellipsoideâ trigonâ, levi, luteâ; stylo-basi conicâ in nuce sessili, cum hâc subfusâ.

Rhizoma obliquum, 3-5 cm. longum, robustum, radicibus multis longis lentis levibus. Culmi 5-6 striati; vagina summa apice truncata, firma, saepe purpurascens. Spicula polysperma; glumae 2-3 mm. longae, multispirae, rotundo-ellipticae, castaneo-purpureae in carinâ luteae, 2 imae vix longiores vacuae magis virides. Setae densae retrorsim hispidae. Filamenta lata. Styli basis a cellulis magnis rotundo-ellipticis conspicua; nucis celluli extimi oblongi albidi crassi inconspicui.

✓ ECUADOR. Prope Guano, *Spruce*. [3213]

7800 **E. crinalis**, C. B. Clarke; *Scirpus crinalis*, Griseb., Pl. Lorentz. p. 217, et Symb. Argent., p. 311. [3215]

7802 **E. andesica**, sp. n.; culmus 4-5 dm. longo; spicula 15 mm. longâ, lanceolatâ, densâ, castaneâ; setis 6, bruneis, nucem superantibus; stylo 3-fido; nuce majusculâ, trigonâ, obovoideâ, viridi, apice in collum latum breviter cylindraceum angustatâ; stylo-basi conicâ admodum depressâ.

Rhizoma longum repens, castaneum, cum culmis exempla majuscula *E. palustris* referrens. Vaginae apice laxiusculae, integrae, truncatae. Spicula 3-4 mm. lata. Glumae ovatae vix acutae, castaneae, anguste albo-marginatae. Nux viridis, ei *E. peruviana* similis, sed cellulae extimae, perparvae subquadratae (i.e., nux minute reticulata). Stylo-basis nigrescens, colli nucis marginem vix superans.

✓ COLOMBIA. Andes de Bogota; alt. 2,660 m., *Triana*, n. 421. [3252]

7803 **E. Berlandieri**, C. B. Clarke; culmis 1-2 dm. longis, tenuioribus; spicula 12 mm. longâ, latius cylindricâ; glumis corneis, luteo-stramineis, fere concoloribus; stylo 3-fido; nuce obovoideâ, apice admodum angustatâ, levi, castaneâ; stylo-basi minusculâ, bulbi-formi.

E. albida var. *Berlandieri*, Britton, in Journ. New York Microsc. Soc. v. (1889), p. 108. [3264]

7804 **E. decumbens**, sp. n.; rhizomate crasso oblique descendente; vaginis basalibus, 3 cm. longis, lanceolatis, obtusis, pallide bruneis, perlaxis, stylo-basi ovoideâ cum $\frac{1}{3}$ parte utriculi aequilongâ a papillis dense squamosâ; ceteroquin fere ut *E. montana*.

E. montanâ paullo robustior. Culmi usque ad 5-6 dm. longi striati, subteretes. Spicae 6 mm. longae $3\frac{1}{2}$ -4 mm. latae, cuboideo-ellipsoideae. Nux matura lutea, cellulis extimis inflatis. Videtur estolonifera; e rhizomate radices plures multi fibrillosae exortae sunt.

✓ CALIFORNIA. Mount Shasta, alt. 2,500 m., *H. E. Brown*, n. 424. [3281]

2805 **Fimbristylis vitiata**, C. B. Clarke ; foliigera, culmo 3–8 cm. longo, 1–2-stachyo ; spicula 7 mm. longâ, ellipsoideâ, densiflorâ ; glumis ovatis, bruneis, carinâ viridi subexcurrente in margine apice fimbriato-ciliatis, in dorso superiore puberulis ; stylo 2-fido, nuce oblongo-obovoideâ levi.

Isolepis turkestanica, Regel, in Act. Hort. Petrop. vii. (1880), p. 561 ; *Scirpus turkestanicus*, Meinsh. l.c. xviii. (1901), p. 244, 247.

TURKESTAN. Tashkend, *Regel*, n. 14, partim. [3353]

2802 **F. gynophora**, sp. n. ; culmo monostachyo, styli ramis 2 dense pilosis, gynophoro filiformi cum $\frac{3}{4}$ parte culmi aequilongo ; ceteroquin ut *F. subbispicata*, Nees.

✓FORMOSA. *Faurie*, n. 809, partim. [3361]

2809 **F. semilevis**, F. Muell. ! MS. ; culmo 10–15 cm. longo, foliigero, monostachyo, sparsim piloso ; glumis ovato-oblongis, obtusis, bruneis, in margine tenuiter pilosulis ; stylo 3-fido : nuce obovoideâ, anguloso-subtrigonâ, opace albâ.

Annua. Culmi caespitosi, multistriati. Folia 1–2 cm. longa, marginibus incurvis tenuiter pilosulis. Spicula 1 cm. longa, 4 mm. lata, oblongo-ellipsoidea, densa. Glumae multispirae, incurvato-adpressae, concavae vix carinatae ; imae (in exemplis maturis visis) cum glumis inferioribus nucigeris deciduae. Stylus nuce vix longior ; rami 3 longi ; stylo-basis nigrescens, cum stylo caduca. Nux cum $\frac{2}{3}$ parte glumae aequilonga, apice obtusa, basi multum contracta, irregulariter angulosa ; cellulae extimae quadratae, omnino obscurae.—Species *F. punctatae* affinis ; differt pilositate, colore glumatam, nuce albidâ.

✓AUSTRALIA. *Oldfield* (hb. Boissier). [3378]

2804 **F. MacGillivrayi**, sp. n. ; culmo 3 dm. longo ; monostachyo ; foliis longiusculis, rigidis, planis, vaginis albo-scariosis ; spiculâ magnâ ellipsoideâ, acutâ ; stylo 3-fido ; nuce obovoideâ basi multum angustatâ, pallide bruneâ, verrucosâ subtuberculosâ.

Culmi apice striati, subtrigoni, vix puberuli. Folia 8–12 cm. longa, 2–3 mm. lata, curvata, obtusa, glabra. Spicula longa 12 mm. lata 5–6 mm., quasi-terminalis, erecta, subbracteata. Glumae numerosae, multispirae, erecto-adpressae, ovatae, obtusae vix apiculatae, rubro-brunee, carinâ angustâ viridi, in margine pilosulae, in parte superiore minute glandulosae vix puberulae. Stylus longus, infra trifurcationem villosus, cum stylo-basi pyramidali deciduus ; rami lineares. Nux cum $\frac{2}{3}$ parte glumae aequilonga, breviter stipitata, trigona, faciebus subconcavis ; cellulae extimae hexagono-rotundae laxae.—Species *F. cardio-carpae* et *F. leucocoleae* affinis ; differt foliis latioribus rigidis et spicâ majore.

✓NORTH AUSTRALIA. Lizard Islands, *MacGillivray*, n. 35 (hbb. Mus. Brit., Boissier). [3386]

2801 **F. neocaledonica**, sp. n. ; foliis longis, complanatis, marginatis ; inflorescentiâ 5 cm. in diam, 15–30-stachyâ ; spiculis solitariis, approximatis, 1 cm. longis, 2 mm. latis ; styli ramis 2, longis, fimbriatis ; nuce latiuscule oblongâ, levi, nigrâ.

Species *F. ferrugineae*, Vahl, affinis, ob folia, spiculas angustas, nuces angustas diversa. Culmi caespitosi, 3-4 dm. longi. Folia cum culmis aequilonga, 2 mm. lata, in facie inferiore estriata, cellulis quadratis cereis albida. Bracteae inflorescentiam saepe superantes. Glumae densius erecto-appressae glabrae.

✓NEW CALEDONIA. Paita, alt. 400 m. *Schlechter*, n. 14,983. [3568]

731 ✓*F. lanceolata*, sp., n.; culmo 3 dm. longo; foliis longiusculis; umbellâ simplice 3-4-stachyâ; spiculis longe lanceolatis, fuscis; glumis obtusis, laete rubro-glandulosis; stylo 3-fido.

Fere glabra. Culmi graciliores, apice multistriati. Folia cum $\frac{1}{2}$ - $\frac{2}{3}$ parte culmi aequilonga, 2-3 mm. lata, robustiora, plana, apice obtusa. Pedicelli 5-8 mm. longi, bracteae ovatae apiculatae vix 5 mm. longae. Spiculae 10-16 mm. longae, 2 mm. latae, teretes. Glumae erectae, adpressae, longe ellipticae, obtusissimae sub-emarginatae, carinâ ad apicem non attingente, in dorso 3-nerviae viridescens, in lateribus fusce scariosae a glandulis rubris dense inspersae, in margine tenuissime pilosulae. Stamina 3. Stylus longus, tenuis, usque ad basin pyramidatam minute pilosus; rami 3, longi. Nux nimis juvenis.—Species *F. merguensi* affinis.

✓ AUSTRALIA. Raffles Bay, *Le Guillou* (hb. Paris). [3676]

282 ✓*F. Horsfieldii*, sp. n.; culmo 6 dm. longo, tenui; vaginis superioribus subaphyllis aut brevissime foliatis; spiculis in radiis umbellae contractae fasciculatis; stylo 3-fido, glabro; nuce obovoideâ, levi, juniore pallidâ.

Glabra. Rhizoma breve, oblique descendens, tenuius. Culmi dense fasciculati, striati, subcompressi. Folia in vaginis superioribus 5-15 mm. longa, angusta, acutissima; vaginae inferiores folia 10-15 cm. longa, angusta plana, interdum gerentes. Umbella 2-3 cm. in diam., 3-4-radiata; spiculae in unoquoque radio 3-4; bracteae 2-3 vix 1 cm. longae. Spiculae longae 6 mm., anguste ellipsoideae aut fere lanceolatae, fuscae. Glumae ovatae, obtusae, vix naviculares. Stylus longus, cum stylo-basi pyramidale deciduus; rami longi. Nux cum $\frac{1}{2}$ parte glumae fere aequilonga, obtuse trigona; cellulae extimae minutae, subquadratae, admodum obscurae.—*F. junciformi* quoad spiculas simillima, sed folia omnino diversa.

✓JAVA. Mt. Prahū, *Horsfield*, n. 1073 (hb. Mus. Brit.). [3812]

780 ✓*F. fuscoide*s, sp. n.; culmo glaucescente, subsetaceo; umbellâ semel compositâ, brevi-bracteâtâ; glumis paucispiris, navicularibus, obtusiusculis, bruneis, glandulosis; stylo 3-fido nuce obovoideâ, levissimâ, albâ.

Ceteroquin ut *F. fusca*, a quâ differt foliis subsetaceis, glumis obtusis, nuce levissimâ.

✓BORNEO. *Barber*, n. 356. COCHINCHINA. *Lebeuf*, n. 891. [3904]

7851 ✓*F. trichocaulis*, sp. n.; undique pilosa, foliis angustis, umbellâ laxiuscule compositâ, ramis ramulisque ob capillos tenues pallidos longiusculos hirtis; ceteroquin ut *F. fulvescens*, Thwaites.

Culmi 4-5 dm. longi. Folia 20-25 cm. longa, admodum pilosa.
 ✓ UPPER BURMA. Vachin Hills, *Shaik Mokim*, n. 134. [3906]

2872 *Bulbostylis Schlechteri*, sp. n.; subaphylla, rhizomate repente tenuiore; culmis numerosis, solitariis, approximatis, 2 dm. longis, tenuibus, monostachyis; stylo 3-fido.

Praeter glumas glabra. Culmi inter se 1-10 mm. distantes, conspicue 10-14 striati. Vaginae rubescentes, imae breves lanceolatae striatae, summa in altero latere 1-2 cm. producta, vix foliiformis. Spica castaneo-rubra, 8 mm. longa, ovoidea, densa; bractea spicâ longior. Glumae in margine tenuius filamentoso-pilosae. Nux obovoidea, obtusa, trigona, obsolete transversim undulata; stylobasis bulbiformis, in nuce relictâ, stylo ipso caduco.

✓ SOUTH AFRICA. Pretoria; Aapies river, *Schlechter*, n. 3634. [3991]

B. Funckii, C. B. Clarke; *Isolepis Funckii*, Steud. ! Cyp. p. 91. [3993]

B. lanata, C. B. Clarke; *Isolepis lanata*, H.B.K. Nov. Gen. et Sp. i. p. 220, t. 68. [4003]

B. Schaffneri, C. B. Clarke; *Scirpus Schaffneri*, Boeck. ! in Engl. Jahrb. vii. (1886), p. 275. [4012]

B. pauciflora, C. B. Clarke; *Oncostylis pauciflora*, Liebm. ! Mexic. Halvgr. p. 53. [4016]

B. aturensis, C. B. Clarke; *Scirpus aturensis*, P. Maury, in Journ. de Bot. iii. (1889), p. 199, fig. 8. [4020]

B. comorensis, sp. n.; annua, undique minutissime pilosa; culmo 1-cephalo, 1-5-stachyo; foliis setaceis; bractea ima caput multum superante; glumis ovato-lanceolatis, acutis; stylo 3-fido; nuce cum $\frac{1}{2}$ parte glumae aequilongâ, obovoideâ, albâ, obscurius transversim undulato-zonatâ.

Culmi dense caespitosi usque ad 18-cm. longi. Folia cum $\frac{1}{2}$ parte culmi aequilonga. Bractea ima 2 cm. longa, suberecta, setacea. Caput vix 1 cm. in diam.; spiculae congestae, pedicellis interdum 1 mm. longis. Spiculae 5-6 mm. longae, 3-4 mm. latae, undique minute pilosulae, ferrugineae bruneo-notatae. Stylo-basis pyramidata mox caduca.—Species critica; differt a *B. Zeyheri*, *B. Schimperianâ*, radicibus fibrosis, glumis acutis; differt a *B. barbata*, *B. puberulâ*, nuce multo majore.

COMORO ISLANDS. *Schmidt*, n. 99. [4085]

B. stenophylla, C. B. Clarke; *Scirpus stenophyllus*, Ell. Bot. S. Carol. i., p. 83. [4098]

B. Warei, C. B. Clarke; *Isolepis Warei*, Torr. in Ann. Lyc. New York, iii. (1836), p. 354. [4101]

B. Glaziovii, C. B. Clarke; *Scirpus Glaziovii*, Boeck. in Linnaea, xxxviii. (1874), p. 379. [4104]

B. sphaerocephala, C. B. Clarke; *Scirpus sphaerocephalus*, Boeck. in Vidensk. Medd. Kjöb. 1869, p. 137. [4112]

B. japonica, sp. n.; culmo 1-2 dm. longo, glabro; umbellâ (specie simplice) 1-3-radiatâ; spiculis fasciculatis, fere glabris; stylo 3-fido; nuce obovoideâ, pallide bruneâ, levi, poroso-punctatâ.

Annua. Culmi caespitiosi, setacei, striati. Folia cum culmo fero aequilonga, setacea, fere glabra; vagina sparsim pilosae, in ore leviter ciliatae. Umbella e 1-2-3 capitula formata; radii 5-15 mm. longi; bractea umbellam saepe superans. Spiculae 2-8-nae, longae 6 mm., oblongae, fusce castaneae. Glumae ovatae subacutae naviculares, carinâ viridi 1-3-nervi subexcurrente. Stylus nuce paullo longior; stylo-basis parva, depressa, proventu in nuce relictâ fuscescens. Nux parva cum $\frac{2}{3}$ parte glumae aequilonga, trigona; cellulae extimae quadrato-rotundae, laxae, inflatae, interdum porosae. — Differt a *B. junciformi* spiculis magis glabris, glumarum nervo viridi et nuce. Species forsan *B. barbatae* affinior sed differt quam spicis umbellatis tam nuce.

✓ JAPAN. Kino Ohosima; prope mare, *Oldham*, n. 360; Liu Kiu; *Matsumura*, n. 171. [4127]

B. graminifolia, sp. n.; culmo 3 dm. longo, pilosulo; foliis planis, latiusculis; capitulis 3-15-stachyis (interdum subcompositis), simpliciter umbellatis; stylo longo 3-fido.

Culmi basi in rhizomate brevi horizontali ligneo approximati, multistriati, per totam fere longitudinem minute pubescentes. Folia plura, prope basin culmi, cum $\frac{2}{3}$ parte culmi aequilonga, 2-4 mm. lata, multistriata, fere glabrata; vaginae in ore longius villosa-barbatae, ipsae plus minus sparsim villosae. Umbella 3-5 cm. in diam., fere ut *B. vestitae*, undique minute pubescens; bractea cum umbellâ subaequilongae, basi lanceolato-dilatatae, dense minute pubescentes. Glumae ellipticae apice lanceolatae acutae, dense minute pubescentes. Stylus basi bulbillo-incrassatus. — Exempla juvenilia sunt, sed vix sine dubio *Bulbostylidis* species; folia hujusmodi in *B. Jacobinae* videnda sunt. Differt a *B. vestita*, foliis linearibus nec setaceis.

BRAZIL. *Burchell*, nn. 8324, 8386. [4132]

2170 *B. nesiotis*; C. B. Clarke; *Fimbristylis nesiotis*, Hemsl. Bot. Challenger, sect. 2. p. 130. t. 24. [4146]

857 *B. mucronata*, sp. n.; parva, viridis, culmis 5-8 cm. longis, setaceis, subquadrangulis glabris; foliis setaceis; umbellâ oligostachyâ; 1-3 cm. in diam.; spiculis 5-8-floris; glumis ferrugineis, carinâ viridi excurrente excurvatâ; stylo 3-fido; nuce obovoideâ, pallidâ, obscurius transversim notatâ, stylo-basi depresso-cylindricâ in nuce relictâ.

A *B. parvâ* (aliisque) ob glumas subuncinatas divergens.

✓ TROPICAL AFRICA. Hereroland; Otjimbinque, *Fischer*, n. 156. [4207]

858 *B. Fendleri*, sp. n.; culmo 5-6 dm. longo, apice glabro; umbellis laxe compositis ac decompositis; spiculis majusculis, laete castaneo-bruneis, omnibus solitariis; stylo 3-fido; nuce obovoideâ; levi, luteo-bruneâ.

Radices fibrosae. Culmi caespitiosi; graciliores, striati. Folia cum $\frac{1}{2}$ parte culmi aequilonga, setacea, concavo-convexa fere

glabra; vaginae fere glabrae, in ore leviter pilosae. Umbellae 5–8 cm. in diam., multiradiatae; bracteae interdum usque ad 1 dm. longae, umbellam saepius superantes, basi dilatatae brunæae non ciliatae. Spiculae 5 mm. longae 3 mm. latae, 4–8 florum. Glumae naviculares, ovatae obtusae, in margine pallidiores, fere glabrae. Stamina saepe 2. Stylus nuce brevior, rami lineares; stylo-basis parva, depresso-globosa, proventu in nuce relicta, brunescens. Nux cum $\frac{2}{3}$ parte aequilonga, trigona; cellulae extimae parvae quadratae inconspicuae; nux nec reticulata nec transversim undulata.—Species a *B. capillari* facile distinguitur magnitudine et spiculis majoribus lucidis.

✓MEXICO. Mirador, *Linden*, n. 63. COLOMBIA. Tovar, *Fendler*, n. 1592. BOLIVIA. Yungas, *Bang*, n. 432 partim (hb. Schinz.). [4227]

2182 *Bulbostylis tenella*, C. B. Clarke; *Scirpus tenellus*, Link, Jahrb. iii. p. 80. [4240]

2183 *B. circinata*, C. B. Clarke; *Oncostylis circinata*, Nees, in Mart Fl. Bras. ii. pars 2, p. 82. [4242]

443 *B. paraënsis*, sp. n.; culmo 15–20 cm. longo, apice glabro; spiculis omnibus solitariis, umbellâ compositâ, laxâ, multiradiatâ; stylo 3-fido; nuce ellipsoideâ, bruneâ, levi (specie punctulatâ).

Annua. Culmi dense caespitosi, fere setacei, apice teretes alte multi-striati sulcati. Folia cum $\frac{1}{3}$ parte culmi aequilonga, setacea, denticulato-pilosa; vaginae in ore piloso-barbatae. Umbella usque ad 5–8 cm. in diam.; bracteae vix 1 cm. longae. Spiculae 5 mm. longae, ellipsoideae, subacutae, multiflorae, ferrugineae, glumarum apiculis, subpatulis. Glumae naviculares, ovatae vix acutae, ferrugineae, pilosulae, carinâ viridi subexcurrente. Stylus fere ut in *B. capillari*. Nux parvula, cum $\frac{1}{3}$ parte glumae aequilonga, latiuscula trigona; cellulae extimae quadratae, subinflatae (nux punctulata).—Species *B. capillari* proxima; differt a *B. capillari* var. *tenuifolia* spiculis latioribus, nuce ne obsolete quidem transversim undulatâ.

✓BRAZIL. Pará, prope Santarem, *Spruce*, nn. 634, 680, *Traill*, nn. 1189, 1190. Minas Geraes, *Glaziou*, n. 20037; Rio Janeiro, *Glaziou*, n. 15593. [4245]

1448 *B. laeta*, C. B. Clarke; culmo 3–4 dm. longo, apice glabro 3–8-stachyo; spiculis longis oblongo-lanceolatis, laete ferrugineo-rubentibus; glumis elongato-lanceolatis; stylo 3-fido; nuce parvâ obovoideâ, nigrâ, transversim undulato-zonatâ.

624 *Fimbristylis conspicua*, Boeck. ! in Allg. Bot. Zeitschr. iii. (1896), p. 56. [4249]

BRAZIL. Minas Geraes, *Glaziou*, n. 20051; Tijesca, *Riedel*, n. 1215.

B. asperula, C. B. Clarke; *Scirpus asperulus*, Poir. Encyc. Suppl. v. p. 104. [4250]

1479 *Scirpus productus*, C. B. Clarke; culmis polynodis, elongatis, foliatis; pedunculis solitariis monostachyis; spiculâ 5–6 mm. longâ; glumâ imâ angustâ, atro-castaneâ, saepe bracteiformi cum spiculâ aequilongâ; setis 0; stylo 2-fido.

Isolepis fluitans, var. β , Hook. f. Fl. Tasm. ii. p. 86. [4314]

TASMANIA. *Gunn*, n. 1429.

7460 *S. semiuncialis*, sp. n.; culmis foliisque $\frac{1}{2}$ – $\frac{2}{3}$ unciam longis; foliis setaceis apice acutis submucronatis, basi fisso-vaginatâ, dilatatis albis; spicâ terminali, ebracteâtâ, 1 mm. in diam., globosa, proventu ellipsoideâ $1\frac{1}{2}$ mm. longâ, pauciflorâ; glumis quadrato-ovatis, purpureo-rubris; stylo 3-fido; nuce minutissimâ cum $\frac{1}{2}$ parte glumae vix aequilonga, ellipsoideâ, trigonâ, levi, bruneâ.

“*Sc. subtilis*, Kunth, forma” in scheda. Differt quam ob magnitudinem tam praecipue ob folia. In *Sc. semiuncialis*, culmi fasciculati a foliorum basibus latis albis ornati, quasi-rosulati.

✓SOUTH AFRICA. Zout River, alt. 100 m., *Schlechter*, n. 8118.

[4427]

S. multicaulis, F. Muell.; culmis 3–8 cm. longis, capillaceis, monocephalis; spiculis 2–1, bracteatis, 4 mm. longis; glumis ovatis, subacutis, acute carinatis, teneris; setis 0; stylo 3-fido; nuce ellipsoideâ aut obovoideâ, minute acutatâ, levi, stramineâ aut brunescente.

S. cartilagineus, Benth. Fl. Austral. viii. p. 328, partim; *S. inundatus*, Benth. l.c. p. 329, partim; *S. multicaulis* F. Muell. nec Schlecht. fide Benth. MS. (hb. Kew). [4458]

AUSTRALIA. New South Wales, Cobham Lake, *Baker*, n. 472; Victoria, River Murray, *F. Mueller*, Beagle Range, *F. Mueller*, Swan River, *Drummond*.

7486 *S. stellatus*, sp. n.; culmis 5–12 cm. longis, setaceis, monocephalis; foliis brevibus; spiculis 3–8, lateralibus, stellatis; setis 0; stylo 3-fido; nuce obovoideâ, obtusâ, breviter conico-acutatâ, levi subverrucosâ, nigrâ.

S. cartilagineus, var. Benth.!; Fl. Austral. vii. p. 329, lineae 5–8.

✓AUSTRALIA. Victoria, *F. Mueller* (hb. Kew). [4462]

830 *S. limensis*, sp. n.; culmo 25 cm. longo, subterete, monocephalo, 1–3-stachyo; spiculâ longe cylindricâ; glumis obtusis, apiculatis; setis 4, nucem superantibus; stylo 2-fido; nuce obovoideâ, apice breviter acutatâ, levi, nigro-olivaceâ.

Glabra, nisi margines glumarum minute ciliato-puberuli. Culmi mediocres, striata; rotundi, apice vix obscure trigoni. Folia cum $\frac{1}{3}$ parte culmi aequilonga, angusta convoluta, levia. Spicula longa 2 cm. lata 3 mm., exacte cylindrica; bractea suberecta, spiculam paullo superans. Glumae fere ut *S. pungentis*. Setae validae, rubrae, retrorsim longi scabrae. Nux cum $\frac{2}{3}$ parte glumae aequilonga; cellulae extimae minutae, rotundae.—*S. pungenti* similis, differt culmo tereti, spiculâ elongatâ.

✓PERU. Lima, *Cuming*, n. 1057; *d'Urville* (hb. Berol.). [4684]

7487 **Scirpus muricinux**, sp. n.; culmo 7 dm. longo, robustiore tereti; bracteâ imâ 15 cm. longâ, quasi culmum continente; umbellâ laterali compositâ, albidâ, densâ, 3-5 cm. in diam.; stylo 3-fido; nuce pallidâ, late obovoideâ, truncatâ, transversim alte muricatâ.

S. paludicola, C. B. Clarke, in Dyer, Fl. Cap. vii, p. 231, partim, errore. [4741]

✓SOUTH AFRICA. Orange River Colony, *Buchanan*, n. 163. Rhodesia; Bulawayo, *Eyles*, n. 1202 (hb. Berol.).

95 **S. Maximowiczii**, sp. n.; culmo 1-3 dm. longo, in mediâ parte nodoso; foliis anguste lanceolatis; corymbo subunico terminali, composito denso; spiculis solitariis vel paucis fasciculatis; glumis luride nigro-scariosis; setis 6, capillaribus, in parte superiore tenuiter antice scabris, nucem superantibus; stylo 3-fido.

Culmus erectus, e rhizomate ligneo verticaliter descendente ortus. Folia caulina plura, longa 7 cm. lata 8 mm., apice in acumen obtusum (more *Eriophori*) conspicue acuminata. Corymbus e 10-15 radiis, 2-6 cm. longis, nutantibus subumbelliformis; radioli minute pilosi; bracteae 2-3 in basi corymbi suboppositae; 2-3 cm. longae, late lanceolatae, luride nigro-scariosae, *Eriophorum* referentes. Spiculae (juniores) 7-9 mm. longae, ellipsoideo-lanceolatae laxiflorae, spiculas *Eriophori* magnopere referentes.—Species, setis praetervisitis, ad genus *Eriophorum* potius referenda.

✓JAPAN. Nippon, *Tschonoski*, Hayachine, *Faurie*, n. 13569.

[4894]

4895 **S. Hahnii**, sp. n.; culmo 1 dm. longo, monocephalo, in parte inferiore foliato; bracteis 3, longis, patulis; spiculis parvis, congestis; glumis ovatis, obtusis; setis 0; stylo 3-fido; nuce juniore acutius trigonâ, apice subacutâ.

S. kyllingioidi proxima, differt magnitudine et nuce fere triquetrâ, apice acutiore. Culmi basi bulboso-incrassati. Folia culmum saepe superantia. Caput densum, 4-6 mm. in diam., fusce stramineum; bracteae usque ad 6 cm. longae. Glumae concavae, subnerviae, concolores, stramineae, leviter rubromaculatae. Stamina 2; antherae oblongae, apice nudaе. Stylus tenuis; rami 3, longiusculi, tenues.

✓MEXICO. Prope Merida, *Hahn* (hb. Berol.).

[4917]

3233 - **S. occidentalis**, C. B. Clarke; *Hemicarpha occidentalis*, A. Gray!, in Proc. Amer. Acad. vii. (1867), p. 391. [4973]

7498 **Ficinia mucronata**, sp. n.; culmis setaceis, 5-15 cm. longis, 1-spiculigeris, vaginae summae folio longo; bracteis 2, inferiore 8-25 mm. longâ; spicula ovoideâ, juvenili vix 5 mm. in diam.; glumis ovatis apice obtusis scariosis dentatis, carinâ in mucronem linearem rigidioram excurrente.

Glabra. Culmi tenuiter fasciculati. Folia cum $\frac{1}{2}$ parte culmi aequilonga; vaginae paullo rubescentes non scariosae.

✓SOUTH AFRICA. Ezelbank, alt. 1250 m., *Schlechter*, n. 8816.

[5065]

7499 **F. minutiflora**, sp. n.; culmis setaceis; vaginis integris; capite unico, specie laterali, albido, 1-5-stachyo, 2-3 mm. in diam.; spiculis 2 mm. longis, paucifloris; glumis ovatis, obtusis, albidis, nervo percrasso obscurius subexcurrente.

Fere glabra. Rhizomata pertenuia. Culmi dense caespitosi, 6-18 cm. longi. Vagina summa foliigera; vaginae inferiores 1-1½ mm. latae, planae, pallide ferrugineae, aphyllae. Bractea 1, quasi culmum continuens, 2-3 cm. longa; altera 4 mm. longa raro addita.

✓ SOUTH AFRICA. Houwhoek Mts., alt. 800 m., *Galpin*, n. 4834; *Schlechter*, n. 9409. [5100]

749' **F. ligulata**, sp. n.; culmo 5-10 cm. longo, gracili; spiculis in spicam compositam brevem approximatis, oblongis, sub-1-nucigeris; stylo 3-fido.

Culmi dense caespitosi. Folia culmo breviora, linearia, basi plana; ligula producta, conspicua, albo-scariosa, persistens. Inflorescentia 15 mm. longa, 5-8 mm. lata; bractea ima 25 mm. longa, viridis, basi parum dilatata, 5 mm. distans. Spicula 7 mm. longa, juvenilis lanceolata, pauciflora; flos imus foemineus. Glumae elliptico-lanceolatae, carinatae, castaneo-rubrae. Pistillum, stamina *Ficiniae*.

SOUTH AFRICA. Smith's Town, *Schlechter* n. 1193 (hb. Schinz). [5195]

F. distans, sp. n.; culmis longis, gracilibus, enodiis, monocephalis, imâ basi a vaginis tenuibus rubris circumdatis; spiculis 5-9-digitatis, usque ad 35 mm. longis, anguste linearibus; glumis distichis, distantibus, non imbricatis.

Glabra. Culmi 8-9 dm. longi, basi usque ad 10-15 cm. a vaginis intecti; vaginae summae pars libera usque ad 2 cm. longa, tenuis, obtusa, scarioso-rubro-brunea. Inflorescentia subterminalis, ebracteata. Spicula 3 mm. lata, usque ad 22-flora. Glumae inter se 2 mm. distantes, suberectae, elliptico-oblongae, obtusae, compressae, castaneo-brunee. Nux majuscula, oblonga-ellipsoidea, trigona, levis, apice obtusa, cum nuce *F. angustifoliae* congruens.

✓ SOUTH AFRICA. Vogelgat, alt. 60 m., *Schlechter*, n. 9566. [5226]

7493 **Fuirena subdigitata**, sp. n.; fere glabra, spiculis 1-4, terminalibus subcapitatis, 2 cm. longis, 4 mm. in diam.; glumarum aristis nec ciliatis nec recurvatis; petalis cum ½ parte nucis subaequilongis setuliformibus recurvato-scabris vel fere nullis; nuce nigrâ, longitudinaliter striatâ cellulis ellipticis pallidis transversis, in seriebus verticaliter superpositis.

Rhizoma ligneum horizontale. Culmi approximati, 3-4 dm. longi; nodi in superiore parte culmorum pauci. Folia angusta, erecta. Glumae minutae pubescentes. Nux brevius stipitata; rostrum conicum album setulosum.

✓ TROPICAL AFRICA. Rhodesia; Matoppo Hills, *Miss Gibbs*, n. 196. [5440]

24? **F. Oedipus**, sp. n.; rhizomate horizontali; culmi nodo imo tumido ellipsoideo albo; petalis 3 obovatis, 3-nervis, cum nuce aequilongis; nuce levi, rostro lineari-cylindrico levi.

Pseudobulbi 12 mm. longi, 7 mm. in diam., basi contracti in rhizomate horizontali sessiles distantes. Culmi 4 dm. longi, crassiusculi, fere glabri. Capita 3-4, 6-8-stachya, in culmo distantia. Spiculae 5 mm. longae, fusce nigrescentes, ciliato-pilosae.

✓TROPICAL AFRICA. Matabeleland, *Miss Gibbs*, n. 125. [5441]

749⁵ *Dichromena monostachya*, C. B. Clarke; *Rhynchospora monostachya*, Boeck. !, in *Allg. Bot. Zeitschr.* ii. (1896), p. 78. [5564]

500¹ *D. minarum*, sp. n.; humilis undique (nisi culmi) ciliato-pilosa; bracteis longis viridibus, basi nec dilatis neque albicantibus; nuce parvulâ obovoideâ, pallidâ transversim undulatâ; rostro triangulari, brunescente, cum $\frac{1}{4}$ parte nucis aequilongo.

Stolones nulli. Culmi caespitosi, 4-6 cm. longi, fere glabri. Folia plura, culmis parum breviora, 2 mm. lata, conspicue ciliato-pilosa. Capita 5-7 mm. in diam., fusce straminea; bracteae usque ad 3-4 mm. longae, ima suberecta. Spiculae parvae, 1-nucigerae; glumae acuminatae aristatae, in parte superiore patule ciliato-pilosae. Nux oblongo-stipitata, paullo compressa; styli rami a me non visi.

✓BRAZIL. Minas Geraes, *Glaziou*, n. 20043; Itacolumi, *Riedel*, n. 429; Serra da Lapa, *Riedel*, n. 959. [5600]

60⁵ *D. gracilis*, sp. n.; annua, glabra, culmis 1-3 $\frac{1}{2}$ dm. longis, gracilibus; bracteis 1-4 cm. longis, setaceis, basi paullo dilatatis, viridibus, non ciliatis; spiculis in capite 3-5, parvis, niveis; nuce non visâ.

Folia plura, cum culmo aequilonga, 1 mm. lata, ex imis pauca elongata 3 mm. lata. Spiculae florigerae 3-4 mm. longae, 3-5 florum. Stylus longus ruber-brunescens, ramis 2 longis linearibus.—Culmis quam in exemplis parvis *D. puberae ciliatae*, multum gracilior; folia (praeter ima) multum angustiora.—Differt a *D. Grisebachii* glabritie, bracteis longioribus, spiculis niveis.

✓BRAZIL. S. Catharina, *Riedel*; Blumenau, *Ule*, n. 964. [5602]

512⁴ *D. floridensis*, sp. n.; fere glabra, radicibus copiose fibrosis; culmis 3 dm. longis, mediocribus; foliis 15-20 cm. longis, setaceis; spicis 5-9, albidis; bracteis 4-7 cm. longis, setaceis, basi dilatatis; nuce parvâ nigrâ, arctius transversim rugosâ.

Stolones nulli visi. Culmi basi paullo incrassati, dense fasciculati. Bracteae basi vix microscopice pilosulae, cinnamomeo-albidae. Spiculae cinnamomeo-albidae.—Species *D. leucocephalae* similis, ob folia setacea divergens.

✓NORTH AMERICA. Florida: Coconut Grove, *Small & Nash*, n. 181. [5603]

24¹ *Rhynchospora heterocaulis*, sp. n.; culmo 1-3 dm. longo, modo nudo modo in parte superiore foliifero, monocephalo; capite subglobosa, denso, bruneo; bracteis capita superantibus, fere glabris; nuce obovoideâ, levi, minute transversim multilineatâ, pallide bruneâ; rostro conico-lineari quam nux longiore.

Stolones robustiores, a squamis ovato-lanceolatis, lentis striatis stramineis intecti, in rhizomata horizontalia lignescencia indurati. Culmi mediocres striati, glabri modo (in exemplis quam *Sellowi* tam *Berthoud Couloni*) nudi basi imâ tantum foliiferi, modo per totam longitudinem remote nodosi a vaginis longiusculis foliati. Folia plura, cum $\frac{1}{2}$ - $\frac{3}{4}$ parte culmi aequilonga, 3 mm. lata, subplana, curvata, in margine saltem saepe ciliato-pilosa. Bracteae 1-3,

usque ad 2 cm. longae, divaricatae, in marginibus microscopice serrulato pilosae aut glabrae. Caput 7-8 mm. in diam., 20-40-stachyum, cinnamomeum aut bruneum. Spiculae 3-5 mm. longae, compressae, lanceolatae, 1-2-florae, 1-nucigerae, 7-8-glumae, glabrae. Glumae 4 inferiores, vacuae, ovatae vix acutae, parvae, a basi sensim majores; gluma quinta ovato-oblonga, inferioribus major, a superioribus paullo remota (rhachillâ sulcatâ curvatâ), florem hermaphroditum nucigerum gerens; gluma sexta sterilis (interdum pistillifera) quintam superans lanceolata; gluma septima (et aliquando octava) mascula minor. Setae 6, nucem paullo superantes, antice scabridae, non (ne quidem basi) ciliatae, bruneae. Stamina 3-2; antherae lineares, rubrae, non cristatae. Nux cum $\frac{1}{2}$ parte glumae aequilonga, aequaliter biconvexa, rhachillae contrarie compressa, sessilis, apice multum angustata; cellulae extimae breviter longitudinaliter oblongae, parvae, per 20 series horizontales ordinatae; rostrum basi cum $\frac{1}{3}$ parte nucis vix aequitatum, minute scabrescens, viride. Setae interdum nucem vix superantes, semper rostro multo breviores.

✓ DUTCH GUIANA. Surinam, *Berthoud-Coulon*, n. 52 (hb. Mus. Brit.). BRAZIL. *Sello* (hb. Mus. Brit.). [5645]

R. exserta, C. B. Clarke; culmo 15 cm. longo, graciliore, monocephalo; bracteis longius superantibus; setis 6 (quarum 3 longissimis), scabris; nuce oblongâ, bruneâ, papillosâ; stylo-basi cum nuce aequilongâ basi turgidâ.

Rhynchospora longisetis, F. Muell.! MS. partim; Benth., Fl. Austral. vii. p. 350, partim, non R. Br.

✓ AUSTRALIA. Upper Victoria River, *F. Mueller*. [5657]

R. monadelpha, sp. n.; culmo 3-4 dm. longo, graciliore, monocephalo; bracteis ovatis acutis, in margine ciliatis, imâ caput superante apice lineari viridi; staminibus 3, filamentis fere usque ad apices connatis; ceteroquin ut *R. armerioides*.

Caput 15 mm. in diam., brunescens, bracteis spiculisque (quam in *R. armerioides*) multo magis patulis. Filamentum longum, e spiculâ conspicue exsertum, apice fere ipso 3 antheras sessiles gerente. Spiculae immaturae. Culmi 5 obvii sunt; in uno nodus cum folio 8 cm. longo, 3 cm. infra caput situs, adest.

✓ BRAZIL. Matto Grosso; Rio Jocuara, *Lindman*, n. A. 3042. [5661]

R. dentinux, sp. n.; capite 3-4-stachyo; nuce oblongâ, levi, papillosâ, fuscâ; rostro conico-lineari, cum $\frac{2}{3}$ parte nucis aequilongo.

R. Trichochaeta affinis. Fere glabra. Culmi 5-12 cm. longi, tenues. Folia culmis parum breviora, c. 1 mm. lata, marginibus involutis fere setacea; vaginarum margines ut in exemplo typico *R. Trichochaeta* conspicue alboscariosi. Spiculae 8-9 mm. longae, quam in *R. Trichochaeta* majores; bractee spiculis breviores subsetaceae. Nux praesertim in parte superiore a papillis erecta ornata. Ceteroquin fere ut *R. Trichochaeta*.

✓ VENEZUELA. Maypures; in Upper Orinoco, *Spruce*, n. 3614. [5684]

766 *Rynchospora Riedeliana*, sp. n.; culmo 4-6 dm. longo, robusto, rigido; foliis rigidis, ciliato-hirsutis, in sicco tortis; spiculis 15 in capite unico vix fasciculatis, 9 mm. longis, laete bruneis; bracteis usque ad 3-4 cm. longis, rigidis, ciliato-pilosis, a basi anguste triangulari; ceteroquin ut *R. hirta*.

R. hirtae simillima; differt culmo foliisque rigidioribus ac praesertim spiculis multo majoribus, in capite distinctis stellato-patentibus nec congestis. Glumae nucigeræ 2-3, distichæ; setae 6-5 longae, laete bruneae. Exempla juvenilia.

✓BRAZIL. Itacolumi, *Riedel*, n. 2992. [5688]

769 *R. Leae*, sp. n.; culmo 3 dm. longo, tenuiore; foliis glabris; capite denso; bracteis longis; plus minus ciliato-hirsutis; nuce in marginibus dense papillosâ.

Radices fibrosæ; plantae videntur annuæ. Culmi glabri, imâ basi tantum nodosi foliigeri. Folia plura, cum culmis subaequilongâ, 2 mm. lata, plana. Capita 12 mm. in diam., c. 16-stachyum, rubro-bruneum; bracteae 4-5, usque ad 5-12 cm. longae, foliis similes, basin versus in marginibus ciliatae. Spiculae vix compressae, 5-6-glumae, 1-nucigeræ; glumae vix distichæ, glabrae, quinta ovato-lanceolata, mutica. Setae 6, nucem cum rostro paullo superantes, antice scabridae, basi vix ciliatae, bruneae (3 sepala, 3 petala, petalo postico a caeteris libero in sulco nucis). Nux cum $\frac{1}{2}$ parte glumae aequilongâ, anguste ellipsoidea, aut (ob margines involutos) fere oblonga, levis, brunea, in marginibus usque ad basin a papillis pluriserialibus ornata, cellulae extimae minutae, subquadratae; rostrum cum $\frac{1}{2}$ parte nucis aequilongum, suboblongum, pallidum, minutissime scabrum.

QUEENSLAND. *Lea* (hb. Mus. Brit.). [2689]

770 *R. subplumosa*, C. B. Clarke; capite 8-16-stachyo, brunescente; bracteis caput vix superantibus; nuce levi, fuscâ; setis nuce duplo longioribus, antice scabris, imâ basi ciliatis subplumosis.—*Rynchospora Wallichiana*, Boeck.! in *Linnaea*, xxxvii. (1873) p. 542, partim i.e. quoad exempl. americanum citatum.

✓BRITISH GUIANA. *Schomburgk*, n. 621; *Appun*, nn. 2166, 1430. [5693]

771 *R. epiglobosa*, sp. n.; culmis 3-4 dm. longis, strictis, pergracilibus; foliis setaceis; capite laxato, bracteâ, imâ 0-6 mm. distante; ceteroquin ut *R. globosa*, *Roem. & Sch.*

✓BRITISH HONDURAS. Commerce Bight, *Campbell*, n. 44. [5705]

772 *R. Burchellii*, sp. n.; culmo basi foliigero, monocephalo; capite magno, polystachyo, albido; bracteis 6-12, capitulo longioribus, linearibus, in margine fere glabris; setis 6-5 cum nuce aequilongis, antice scabris; nuce elongatâ lineari-oblongâ, levi, nigrâ, minute albo-reticulatâ, rostro albo vix scabro.

Fere glabra. Culmi 6-8 dm. longi, 3 mm. in diam., teretes apice ipsâ trigoni, conspicue striati, basi incrassati (verosimiliter pullulantes). Folia prope ad basin culmi sita, plura cum $\frac{2}{3}$ parte culmi aequilongâ, 3-5 mm. lata, plana, in marginibus fere glabra. Caput 26 mm. in diam., densissimum; bracteae usque ad 6 cm.

longae, basi vix 3 mm. latae, cum foliis consimiles. Spiculae 10–12 mm. longae, compressae, duriusculae; fere ut *R. elatioris* sed majores; gluma fertilis c. 8 mm. longa. Stylus longus, subdivisus. Setae nucem superantes, quam eae *R. elatioris* tenuiores minus scabrae. Nux 5 mm. longa, 1 mm. (vel vix $1\frac{1}{2}$ mm.) lata, compressa, biconvexa, sessilis, in utroque margine superiore angustissime luteo-marginata; cellulae extimae parvae, hexagono-quadratae, scarioso-albicantes; rostrum cum $\frac{1}{3}$ parte nucis aequilonga, nuce paullo angustius, lineari-conicum, fere leve, pallidum.—*R. elatiori*, Kunth, sat affinis.

✓BRAZIL. *Burchell*, n. 7023. [5712]

R. Hassleri, sp. n.; culmo robusto 8 dm. longo; capitibus 3, globosis, 2 cm. in diam., densis, e viridi lutescentibus; spiculis 2-nucigeris; setis 6, nucem superantibus, breviter scabris, cinnamomeis; nuce (rostro excluso) 4 mm. longâ, oblongâ, glabrâ, rostro lineare conico.

Glabra. Radices crassae. Culmus trigonus, leves, supra medium foliiger. Folia inferiora basi pingua, cum culmo fere aequilonga, 5 mm. lata. Bractea ima 18 cm. longa, foliiformis. Pedunculi 1–4 cm. longi. Capita ipsa subbracteata, 20–35-stachya. Nux a dorso compressa; rostrum minute pilosulum.—Species forsan *R. minarum* affinis.

✓PARAGUAY. Funnen Opa, *Hassler*, n. 8255. [5741]

R. aberrans, sp. n.; culmo c. 15 cm. longo, tenui, sub-3-cephalo; glumis aristatis, aristis patentim pilosis; setis 0; stylo subdiviso; nuce late obovoideâ, basi subito contractâ, transversim rugosâ, lucide albo-marmoratâ.

Radices fibrosae. Culmi caespitiosi, angulosi, glabri, per totam longitudinem distanter nodosi, foliigeri aut bracteigeri. Folia cum culmo aequilonga, 1–2 mm. lata, plana, fere glabra; vaginae pilosae. Capitula racemosa, distantia; ima in pedunculo 0–3 cm. longo, sustenta, 8 mm. in diam., 10–20-stachya; bractee foliis similis, culmum superantes, ima interdum breviter vaginata. Spiculae sub-7-glumae, vix compressae. Glumae 4 imae vacuae, a basi spiculae sensim majores, ovato-ellipticae, carinatae, ferrugineo-brunee, aristatae; quarta nucigera paullo major, minus aristata. Nux cum $\frac{2}{3}$ parte glumae aequilonga apice truncata, in humeris sparse valide papillosa, alba a maculis nigris inspersa; cellulae extimae longitudinaliter oblongae; rostrum parvulum, conicum, nigrescens; stylus longus, tenuis, ruber. Species forsan sectioni *Spermadonti* revera affinior, sed mihi videtur ab omnibus *Rynchosporis* paullulum aberrare.

✓BRAZIL. Ceará; Aracaty. *Gardner* (hb. Kew); Fortaleza, *Herber*. [5751]

R. Schwackei, sp. n.; culmo 6 dm. longo; capitulis 2, distantibus, globosis densis, majusculis; glumis inferioribus acuminatis aristellatis pilosulis; setis 0; stylo brevissime 2-fido; nuce late obovoideâ, basi subito contractâ, transversim rugosâ brunee.

Rhizoma lignescens robustum. Caulis sub spicâ terminali dense bruneo-pilosus. Folia 15 cm. longa, 5 mm. lata, robustior, juniora tenuiter pilosula; folium caulinum 6 cm. longum vaginâ lineari,

pubescente. Bractea ima folio caulino similis 25 cm. distans; pedunculus 8 cm. exsertus, gracilis. Spicae 15 mm. in diam., subcompositae, purpureo-brunee. Spiculae 1 cm. longae 2-3 mm. latae, 2-3-florae, sub-1-nucigerae. Stamina 3; filamenta rubra. Nux biconvexa, stipite rubro-glanduloso; rostrum parvum, viridescens; stylus longus, ruber.

✓BRAZIL. Minas Geraes; Serra dos Cristaes, *Schwacke*, n. 8439. [5752]

7503 *Rynchospora Ridleyi*, sp. n.; culmo c. 6 dm. longo, mediocri 3-6-cephalo; glumis nucigeris, ovato-lanceolatis, vix mucronatis; setis 0; nuce late obovoideâ substipitatâ, transversim rugosâ; rostro angusto conico.

Culmi per totam longitudinem nodosi, foliigeri, fere glabri. Folia plura, cum culmo aequilonga, 3-5 mm. lata, plana, margines versus dense pilosa. Capitula racemosa, usque ad 5-7 cm. distantia; ima in pedunculo 0-3 cm. longo sustenta, 12-18 mm. in diam., 10-30-stachya; bracteae cum foliis consimiles, culmum superantes, imae vaginatae. Spiculae sub-7-glumae, vix compressae. Glumae 4 imae vacuae, a basi spiculae sensim majores, ovato ellipticae, carinatae, ferrugineo-brunee, plus minus aristatae; quarta nucigera paullo major, omnes pilosae. Nux cum $\frac{2}{3}$ parte glumae aequilonga, apice truncata, nigro-maculata; cellulae extimae longitudinaliter oblongae; rostrum cum $\frac{2}{3}$ nucis aequilongum, cum $\frac{1}{3}$ nuce vix aequitatum, viridescens.

✓BRAZIL. Pernambuco, *Ridley*. [5753]

7504 *R. subsetosa*, C. B. Clarke; robusta, fere glabra; paniculâ longâ, ramis distantibus corymbiferis; spiculis numerosis, pro magnâ parte fasciculatis, ferrugineis; setis 0, aut subtilissimis; stylo subdiviso; nuce parvâ obovoideâ, luteo-bruneâ, transversim undulatâ; rostro cum nuce subaequilongo, anguste conico, pallido.

Rynchospora Selloiana, Boeck. ! in *Linnaea*, xxxvii. (1873), p. 620, non *R. Sellowiana*, Steud.

BRAZIL. *Sello*; S. Catharina, *Niederlein*, n. 627. [5793]

R. viridi-lutea, sp. n.; robusta, fere glabra; corymbis explanatis; spiculis 3-12-nim capitellatis, viridi-luteis; setis 6, nucem superantibus, squamis 2 minutis interioribus adjectis; stylo subdiviso; nuce ellipsoideâ, compressâ, levi, pallide bruneâ; rostro cum nuce aequilonga, angusto.

Habitus *R. aureae*. Stolones in 2 exemplis visis nulli. Culmi metrales et ultra, trigoni, vix scabri. Folia elongata, 10-15 mm. lata, plana, lenta, in marginibus scabra. Corymbus terminalis usque ad 3-4 dm. in diam., axillaris interdum 3 dm. distat. Spiculae 7-10 mm. longae, 3 mm. latae, paullo compressae, ovato-lanceolatae, quam in *R. aureâ* latiores magis membranaceae. Glumae lucidae, plus minus albo-marginatae, naviculares, non mucronatae, imae 4 minores vacuae sed quarta vix quintâ brevior; quinta nucigera, sexta (cum 2-3 superioribus tenuibus) mascula. Setae 6, nempe 3 sepala basi setacea, 3 petala basi paullo dilatata; 2 squamulae (*i.e.*, stamina postica verticilli exterioris) cum $\frac{1}{10}$ parte nucis subaequilongae, cum nuce connatae apicibus concavis liberis.

Nux cum $\frac{2}{3}$ parte glumae aequilonga, exacte ellipsoidea; cellulae extimae minutae quadrato-hexagonae (nux minute obscure reticulata, quasi puncticulata); rostrum lineari-pyramidatum, fere leve basi cum $\frac{1}{2}$ parte nucis aequilatum.

BRITISH GUIANA. *Parker*. BRAZIL. Lower Amazon; Prainha, *Traill*, n. 1202. [5798]

750 **R. organensis**, sp. n.; robusta, fere glabra; panicula e 7-8 corymbis densis globosis quasi-axillaribus exstructâ; stylo longo subindiviso; setis 6, pistillo juniore multum longioribus, rigidiusculis antice scabris, ferrugineis.

Paniculae (solum visae) 3-4 dm. longae, 5-8 cm. latae. Bractee inferiores foliiformes 4 dm. longae 12 mm. latae, caudato-acutatae rigidiusculae in marginibus scabrae; bractee superiores sensim minores omnes cum panicula fere aequilongae; bractee secundariae setaceae, inconspicuae. Paniculae partiales, pedunculis vix ex ore vaginae exsertis, compositae densae, 5-8 cm. in diam. Spiculae juniores 6 mm. longae, lanceolatae, bruneae, sub-2-florae. Glumae nucigeræ elliptico-lanceolatae, vix mucronatae.—Species ex habitu ad *R. auream* affinis, sed nux mihi ignota.

BRAZIL. Organ Mts.: *Gardner*, n. 717 (hb. Kew). [5814]

751 **R. cryptantha**, sp. n.; gracilis, fere glabra; culmo in parte superiore dense foliato (vel si mavis bracteoso); racemis gracilibus depauperatis, inter folia absconditis; setis 0; stylo longissimo fere indiviso; nuce parvâ, obovoideâ, levi, brunescente.

Rhizoma lignescens, tenuis. Culmi erecti, 2-3 dm. longi, trigoni, 3 mm. in diam., in parte inferiore a vaginis foliigeris subdistantibus ornati, in parte superiore ramosi, a nodis vaginisque foliatis admodum approximatis dense intecti. Folia propria, 1-2 dm. longa, 3-4 mm. lata, plana; folia in ramulis usque ad 1 dm. longa, vix 1 mm. lata pernumerosa. Pedunculi cum $\frac{1}{2}$ parte foliorum (i.e. bractearum) aequilongi tenues, fere leves, apice racemum abbreviatum 1-3-stachyum gerentes. Spicula 8 mm. longa, 2 mm. lata, ferruginea, fere glabra, 6-gluma, 1-nucifera, a bracteâ longâ saepe suffulta. Glumae 4 inferiores vacuae, imae multum abbreviatae. Nux c. 1 mm. longa.—Spicula fere eadem ac *R. uniflorae*, Boeck.

BRAZIL. Rio Janeiro; *Glaziou*, n. 6754 (hb. Kew). [5828]

5007 **R. boliviensis**, sp. n.; culmo 2-3 dm. longo, gracili; pedunculis axillaribus remotis, apice racemosim oligostachyis; spiculis 2-3-nucigeris; setis 0; nuce levi; stylo longo, subintegro.

Glabra. Culmi in rhizomate brevi lignescente dense approximati, per totam longitudinem nodosi. Folia 15 cm. longa, 1-2 mm. lata, plana, vaginata. Panicula 15 cm. longa, tenuis, parum composita; pedunculi inferiores 5-8 cm. longi, tenues, 1-3-stachyi; panicula apice in racemum abiens; bractee vaginatae, foliiformes, cum paniculâ subaequilongae. Spiculae in unoquoque culmo 12-20, longae 5 mm., oblongo-lanceolatae, bruneae. Glumae non mucronatae, 4 imae minores vacuae, quinta sexta (interdum septima) nucigeræ. Nux parva, 1 mm. longa, obovoidea, planoconvexa, apice subito angustata; cellulae extimae minutae, breviter longitudinaliter oblongae inconspicuae (nux vix microscopice

transversim undulata); rostrum majusculum conicum, nucē longius, apice nucis vix angustius, basi constrictum.—Species *R. dissitiflorae*, Boeck., admodum affinis.

✓BOLIVIA. Unduavi, alt. 3000 m., *Rusby*, nn. 82, 83. [5829]

2351 *Rynchospora lapensis*, sp. n.; culmo 3–5 dm. longo, nodoso, foliigero; spicis polystachyis, densis, compositis, laxe racemosis, longe pedunculatis; glumis vacuis a mucrone hispide piloso conspicuis; setis 0; stylo perlongo, brevissime bifido; nucē oblongo-ellipsoideâ transversim undulato-lineatâ.

Culmi caespitosi, mediocres, glabri. Folia basalia 2 dm. longa, 3–4 mm. lata, fere glabra, rigidiora marginibus recurvatis, caulina consimilia breviora erecta; vaginae pilosae. Capita (spicae) 3–4, remota, 8–20-stachya, viridia fuscescentia; bractee 3–2, erectae, 2–5 cm. longae, cum foliis consimiles. Spiculae 7–9 mm. longa, angusta, dura, 1– (vel 2–) nucigerâ. Glumae nucigerae elongato-lanceolatae, muticae, in carinâ (interdum undique) plus minus setosi-pilosae. Stylus ruber; stylo-basis pyramidalis compressa, brevis, pallida.

✓BRAZIL. Minas Geraes; Serra da Lapa, *Riedel*, n. 958. [5842]

2352 *R. locuples*, “C. B. Clarke in Tonduz n. 11919” [Cf. Engl. Bot. Jahrb. xxxiv. (1904) Beibl. 78, p. 5]; culmo metrali; foliis 12–17 mm. latis; paniculâ 4 dm. longâ, 12 cm. latâ, densiore, myrianthâ; paniculis partialibus, pyramidalibus, rigidis, compositis; spiculis 3–4 mm. longis, stramineis, lanceolatis, 1-nucigeris; nucē 1–1½ mm. longa, oblongo-ellipsoideâ, pallida, reticulatâ; rostro oblongo-lineari, quam utriculus longiore, albidâ, rugosulâ; setis irregularibus, albis, rigidis, retrorsim scabris, modo 1–2 nucem superantibus, modo vix ullis.

COSTA RICA. Alt. 1800 m., *Tonduz*, n. 11919; COLOMBIA. Bogota, *Lindig*, n. 1416. [5853]

2272 *R. Mandonii*, sp. n.; robusta, foliis superioribus subtus cum paniculâ sparsim pilosis; paniculâ pluries compositâ, copiosâ, spiculis innumerosis iis *R. polyphyllae* similibus; setis 4 aequalibus, quam nux multo longioribus.

Radices fibrosae, crassae, copiosae, in udis vigentes. Culmus 14 dm. longus, basi (vaginae crassis inclusis) 2 cm. in diam., per totam longitudinem nodosus, foliiger. Folia usque ad 6 dm. longa 2 cm. lata, robusta, multiseriata, in marginibus paullo scabra; interiora glabrata. Panicula 4–5 dm. longa; paniculae partiales 3–4 imae breviter distantes, superiores plures in paniculam oblongam polystachyam compositam confluentes; bractee (imo inferiores) foliis similes, elongatae, paniculam superantes. Spiculae 4–5 mm. longa, iis *R. polyphyllae* Vahl similes sed ferrugineo-brunescentes. Stylus longus, rubescens, apice vix divisus. Setae rigidiusculae, antice scabrae, ferrugineo-rubrae. Nux (immatura) oblongo-obovoidea, rubro-castanea (vix sine dubio proventu reticulata).

BOLIVIA. Prov. Larecaja; Sorata, alt. 2650 m., *Mandon*, n. 1421. PERU. *Poeppig* (“*Orthoclada luxa*, Beauv.”). [5854]

7520 *R. Weberbaueri*, sp. n.; glabra, mediocris, paniculâ anguste oblongâ polystachyâ interruptâ; corymbis densis; spiculis 6 mm.

longis, lanceolatis, laete bruneis, 1-3-nucigeris; stylo perlongo, apice obscure 2-dentato; setis hypogynis 4, bruneis, minute dense scabris, nucem cum rostro superantibus; nuce oblongâ bruneâ obscure transversim fenestratâ, rostro lineari conico cum nuce aequilongo.

Culmi 3-4 dm. longi, parce foliati. Folia basalia 10-15 cm. longa, 3-4 mm. lata, duriuscula. Panicula interdum 15 cm. longa, 2-3 cm. lata, paniculâ partiali ima 8 cm. distante, terminalibus 3-4 approximatis.—Species ad gregem *R. polyphyllae* affinis.

✓PERU. Loreto, alt. 1300 m., *Weberbauer*, n. 4745. [5855]

723 *R. ecuadorensis*, sp. n.; foliis inferioribus 8 dm. longis, 1 cm. latis, in laminâ inferiore puberulo-glandulosis; spiculis 5 mm. longis, fere glabris; setis cum $\frac{3}{4}$ - $1\frac{1}{2}$ parte nucis aequilongis minute antice scabris; nuce vix 1 mm. longâ, oblongo-ellipsoideâ, levi lucidâ.

E. foliis angustis *R. polyphyllae* videtur affinis; sed revera *R. macrochaetae*, Steud. multo affinior.

ECUADOR. *Sodi*, nn. 47b, 42a, 43c, 42d. [5872]

724 *R. Kuntzei*, sp. n.; fere glabra, robustior, foliis latis gramineis; paniculis pyramidalibus, 3-5, remotis, laxis, pedicellis longis 1-stachyis divaricatis; spiculis magnis, albicantibus, plurifloris, saepissime 1-nucigeris; setis 6 nuce (rostro incluso) longioribus; nuce rotundatâ, magnâ, levi, leviter reticulatâ, castaneâ; rostro conico, cum nuce subcontinuo, quam nux multo brevior.

Folium visum 6 dm. longum, 2 cm. latum, laete multistriatum. Paniculae pars visa 5 dm. longa, bracteis 3-1 dm. longis, paniculâ brevioribus; paniculae partiales longe pedunculatae 5-8 cm. longae et latae; pedicelli ultimi saepe 1-2 cm. longi. Spiculae 7 mm. longae (nucigerae ovoideae teretes), floribus foemineis numerosis nisi unico saepissime sterilibus. Setae longae rigidiuscula, lineari-setaceae, antice scabrae, rubro-brunee. Nux, rostro excluso, $2\frac{1}{2}$ mm. longa ex lata, biconvexa, sessilis; rostrum fusce album, subscabridum; stylus perlongus, tennis rubro-bruneis; rami 2 lineares, cum $\frac{1}{3}$ parte styli aequilongi.—Species *Pleurostachidem macrantham* simulans; sed setae longa diversae.

✓BOLIVIA. Yapacani, alt. 400 m., *O. Kuntze*, n. 129. COLOMBIA. *Schott* (hb. New York). [5873]

4753 *R. rudis*, sp. n.; fere glabra, robusta, rudis; paniculâ e 3-5 paniculis partialibus compositis polystachyis extractâ; spiculis majusculis, turgide lanceolatis; setis 3-5, nucem superantibus; nuce majusculâ, 3 mm. longâ, levi, reticulatâ, pallide bruneâ; rostro quam nux paullo longiore anguste conico.

Culmus metralis et ultra, trigonus, parum scaber. Folia 6 dm. longa, 12 mm. lata, plana, in marginibus et in carinâ paginae inferioris scabra. Paniculae partiales distantes, 8 cm. longae et latae, pyramidales; pedunculi 10-15 cm. longi, robusti; bractee foliis similes, culmum longe superantes; rhachides admodum scabrae. Spiculae dense approximatae sed subsolitariae, 100-200 in unâquâque paniculâ, 8 mm. longae, 2-3 mm. latae, lucide testaceo-brunee, 1-nucigerae. Glumae indurato-chartaceae, submucronatae. Setae rigidae, antice scabrae, ferrugineae. Nux

obovoideo-ellipsoidea, plano-convexa; cellulae extimae fere quadratae, minusculae, marginibus moniliformiter crenulatis incrassatis, vix regulariter seriatae (ideoque nux fenestratim minute reticulata vix striata); rostrum basi constrictum, cum $\frac{2}{3}$ parte nucis aequilatum, viridi-luteum.—Differt a *R. Ruiziana*, Boeck., etc., spiculis nucibusque majoribus.

✓ VENEZUELA. Tovar, *Fendler*, n. 1591. [5887]

752¹ *Rynchospora Schroeteri*, K. Schum., sp. n.; spiculis (quam *R. corymbiformis*, Britton) paullo majoribus; nucis rostro cum $\frac{1}{2}$ parte nucis vix aequilongo, umbonato vel depresso; ceteroquin ut *R. corymbiformis*, Britton.

✓ TROPICAL AFRICA. Togoland, *Schroeder*, n. 147. [5904]

817 *R. Spruceana*, sp. n., glabra, foliis anguste linearibus; corymbis axillaribus terminalique, ramulis gracilibus; spiculis 7 mm. longis, anguste lanceolatis; nuce obovoideo-ellipsoideâ, pallidâ, transversim rugosâ; rostro brevi, depresso, lato.

Rhizoma horizontale, breve, gracile. Culmi plures approximati, 3–4 dm. longi, stricti, graciliores, in parte superiore parce nodosi parce foliati. Folia prope basin culmi plura, cum $\frac{2}{3}$ parte culmi aequilonga, erecta, 2–4 mm. lata, rigida, canaliculata, apice triangulari-elongata. Corymbi 5–8 cm. in diam., 20–40-stachya, laxa, apicem versus culmi approximata vel altera 1 cm. distans; bractee cum corymbis subaequilongae. Spiculae perangustae, subteretes, lucide bruneae. Glumae arcte imbricatae, 3–4 imae vacuae mucronatae; 1–2 hermaphroditae ovato-lanceolatae, submucronatae; superiores masculae aut steriles. Nux $1\frac{1}{2}$ mm. longa, sessilis, apice truncata, biconvexa; cellulae extimae longitudinaliter oblongae, per 5–8 series interruptas undulatim horizontaliter seriatae; rostrum cum $\frac{1}{3}$ parte nucis vix aequilongum, cum nuce aequilatum nigrescens.—*Rh. tenui* var. *emaciatae* proxima; differt foliis latioribus, spiculis longioribus.

✓ BRAZIL. Santarem, *Spruce*, n. 627; Serra da Lapa, *Riedel*, n. 1020. [5949]

450² *R. confinis*, C. B. Clarke: *Spermodon confinis*, Nees, in Mart. F. Bras, ii, pars 1, p. 119, e descript. [5955]

R. demerarensis, C. B. Clarke; glabra, robustior, radicibus fibris; inflorescentiâ laxâ, e corymbis 3–1 apertis exstructâ: spiculis 1 cm. longis, junioribus lanceolatis acutis; styli alte 2-fido basi dilatâtâ in pistillo decurrente ephippio rhynchiformis ramis 2 longe linearibus.—*Rhynchospora stricta*, Boeck.!; in *Linnaea*, xxxvii. (1873) p. 603, partim; *Holoschoenus elatior*, Nees! in Hook. Journ. Bot. ii. (1840) p. 394. [5958]

R. pineticola, C. B. Clarke; glabra, culmo 3–5 dm. longo, gracili, in dimidiâ parte superiore nodum unicum saepe exhibente; corymbis congestis, spicatis, unico longe distante interdum addito; spiculis 6 mm. longis; setis 6, nucem (rostro incluso) superantibus, in parte inferiore (saltem) ciliato-plumosis; nuce transversim undulatâ; rostro cum $\frac{1}{2}$ parte nucis aequilongo, conico. *R. intermedia*, Britton!, in Trans. New York Acad. xi. (1892) p. 87 (syn. false citat.) nec Beyrich; *Rh. plumosa* var. *intermedia*, Chapm.! Fl. S. U. S., p. 524.

UNITED STATES. Florida; Chapman, in pinetis, *Curtiss*, n. 3173*, *Rugel*, n. 230; Indiana River, *Curtiss*, n. 5703; Lake Co., *Nash*, n. 2020. [6017]

685 - *Pleurostachys distichophylla*, C. B. Clarke; *Rhynchospora distichophylla*, Boeck. !, in *Kjöb. Vidensk. Meddel.* 1879-80, p. 26. [6266]

2235 *P. Pearcei*, sp. n.; glabriuscula, foliis superioribus densissime approximatis, exacte linearibus; corymbis magnis compositis, ramis ramulisque longis divaricatis.

Culmus 1-2-metralis, robustior. Folia superiora (ut bractee inferiores) c. 1 cm. inter se distantia, 4 dm. longa, 6-9 mm. lata, rigida, sessilia, basi vix angustata, apice longe attenuata, in marginibus minute scabra; vaginae multistriatae; ligulae semicirculares apice fusco-lanatae. Corymbi numerosi, 10-15 cm. in diam., in paniculam 6 dm. longam 12 cm. latam confusi; rami usque ad 3-6 cm. longi, glabri aut minutissime scabri. Spiculae 1-6-nae, in apice ramulorum capitellatae, minimae, 1-2 mm. longae, 1-nucigerae, pallidae fusco-testaceae. Setae generis. Nux vix 1 mm. longa, obovoidea, turgida, levis, apice multum angustata; rostrum cum $\frac{3}{4}$ parte nucis aequilongum, cum $\frac{1}{2}$ parte nucis vix aequilatum, longe conicum, leve pallidum.

✓ PERU. Monterico, alt. 1,000 m., *Pearce* (hb. Kew). [6265]

P. gracilis, Boeck. ! in *Ule*, n. 1612; culmis gracilibus, 3-4 dm. longis, basi strictis; foliis superioribus distantibus, 15 cm. longis, 8 mm. latis, debilibus; pedunculis 5 cm. longis, capillaceis; corymbis parvulis saepe ad caput parvulum reductis; nuce perparvâ.

Rhizoma longe repens, divisum, 2-3 mm. in diam. Culmi 1-2 mm. in diam., minute pubescentes. Folia superiora (ex quibus multi in axillâ pedunculigeri, i.e., si mavis bractee) inter se 3-7 cm. distantes, apice basique attenuata, graminiviridia, tenuia, tenuiter multistriata. Inflorescentiae, nuce fere ut *P. graminifoliae*.

BRAZIL. S. Catharina, *Ule*, n. 1612 (hb. Berol.). [6270]

7076 *P. bracteolata*, sp. n.; foliis superioribus paullo distantibus, in margine ciliato-pilosis; glomerulis spicularum parvulis, a bracteolis undique exsertis quasi-hispidulis.

Folia superiora (= bractee inferiores) inter se 3 cm. distantia, longa 4 dm. lata 8-9 mm., plana, rigidiuscula, sparsim pilosula, basi sessilia vix acuminata, in carinâ subtus conspicue scabra. Pedunculi 2-4 mm. exserti. Corymbi numerosi, c. 10, juniores 1 cm. in diam., e 2-3 glomerulis approximatis exstructi. Spiculae juniores ellipsoideo-lanceolatae, pallide ferrugineae. Bracteolae lineares, virides, dense hispido-scabrae. Exemplum nimis juvene: forsan *Rhynchospora* sp. ad *R. polyphyllam* affinis.

✓ BRAZIL. Rio Janeiro, Botafogo Bay, *Miers*, n. 3635 (hb. Kew). [6274]

7077 *P. Douglasii*, C. B. Clarke; robusta, fere glabra, foliis caulinis mediis (ut bracteis inferioribus) longis linearibus (usque ad 17 mm. latis); corymbis compositis, gracilioribus, ramulis elongatis; spiculis 1-3-ins., 3 mm. in diam., nuce fere 2 mm. longâ. *P. elegans* var. β , Boeck. ! in *Linnaea*, xxxviii (1874) p. 225.

✓BRAZIL. Rio Janeiro, *Douglas* (hb. Berol.). [6287]

693 *Pleurostachys Regnellii*, sp. n.; undique minute pilosa; foliis distantibus, linearibus; corymbis in paniculas strictas perangustas elongatis; spiculis ellipsoideis, breviter pedicellatis, puberulis.

Rhizoma 3 mm. in diam., horizontale, ligneum, a squamis intectum, e stolone ortum. Culmus 8 dm. longus. Folia per totam longitudinem culmi subdistanter sparsa, longa 5-6 dm., lata 12-15 mm., in utrâque facie minute pilosa. Paniculae partiales 1 dm. longae, densius minute pilosae, erectae, ramis paucis erectis, racemosis. Spiculae 5 mm. longae, ovoideo-ellipsoideae. Glumae ovatae, vix acutae, numerosae, dense imbricatae, exteriores rigidae, puberulae. Setae 5, nuce multo longiores, alopecuroideae. Nux ovoideo-oblonga fere 2 mm. longa, lucide nigra, levis, minutissime quasi-puncticulata; rostram cum apice nucis omnino fusum.—Species multis notis a caeteris speciebus generis recedens.

✓BRAZIL. Minas Geraes, *Regnell*, n. 1319. [6289]

520. 694 *P. scaposa*, sp. n.; foliis omnibus basalibus petiolatis, laminâ 4 dm. longâ, 3 cm. latâ; scapo 3 dm. longo; corymbis 3 distantibus, bracteis 8 cm. longis, 4 mm. latis; spiculis pro genere magnis, solitariis; setis hypogynis inaequalibus irregularibus, aliis nucem superantibus, aliis cum $\frac{1}{2}$ parte nucis vix aequilongis, nec (more *Pleurostachidis*) alopecuroideis.

Rhizoma ligneum, repens (vel subscandens?); foliis 3-6 (in nodis distantibus) fasciculatis. Pseudo-petioli 5-10 cm. longi. Stylus longus ruber.

✓BRAZIL. Rio Purus, *Huber*, nn. 4351, 4491. [6290]

2236 *P. peruviana*, sp. n.; fere glabra; foliis lanceolatis; corymbis minoribus, compositis, ramis ramulisque divaricatis; spiculis parvulis, capitellatis, junioribus lanceolatis pallide ferrugineis, paucifloris.

Rhizoma ligneum, horizontale, radicibus densum. Culmus metralis, mediocris. Folia 5-15 cm. inter se distantia, 2 dm. longa, 4 cm. lata, multistriata, in marginibus paullo scabra, vaginae longae multistriatae, strictae, ore truncato. Corymbi 10, usque ad 3 cm. in diam.; rami 5-15 mm. longi, ramulique 0-8 mm. longi, fere leves; pedunculi vix 5 mm. exserti; bractee summae cum foliis consimiles, corymbos longe superantes. Spiculae 8-20-nae, capitellatae, 1 mm. longae sed nimis juvenes.—Species a sp. antehac descriptis manifeste diversa, sed exemplum nimis juvene, et spiculae maturae forsan multo majores. Stylus alte bifidus setae alopecuroideae, omnino generis *Pleurostachydis*; spiculae autem lanceolatae pauciflorae ad *Rynchosporam* spectant.

✓PERU. S. Gavan, *Lechler*, n. 2425 (hb. Kew). [6298]

690 *P. Kunthiana*, C. B. Clarke; foliis lanceolatis, glabris; corymbis juvenilibus erectis strictis, ramulis setulosis; spiculis breviter pedicellatis pro magnâ parte solitariis, minimis, juvenilibus acutis, glumis exterioribus setuloso-scabris mucronatis.

P. tenuiflora, Kunth! Enum. ii. p. 285, non Brongn.

✓BRAZIL. Rio Janeiro, *Meyen*, nn. 282, 881. [6299]

754 **Carpha graciliceps**, sp. n.; culmo 5-6 dm. longo, tereti, praeter basin enodoso; capite 1, terminali, 2 cm. longo 2 mm. lato, a bracteis 2 circumcluso, paucifloro; bracteâ inferiore erectâ, glaucoplumbeâ, aristatâ; setis perlongis linearibus, in parte inferiore nudis, in parte superiore cylindricis, paullo incrassatis, scabris.

Rhizoma rigidum, lentum. Vaginae inferiores lucide castaneo-brunee. Folia in vaginis superioribus viridia, 1-4 cm. longa, rigida, perangusta. Bractea inferior (aristâ inclusâ) 3-4 cm. longa; bractea superior consimiles minor. Flores juveniles iis *C. deustae* similes.

✓ AUSTRALIA. King George's Sound, *Diels*, n. 2694. [6322]

7525 **C. costularioides**, C. B. Clarke; paniculâ elongatâ, oblongâ; spiculis longe pedicellatis, glumis inferioribus 5-6 vacuis, flore imo perfecto; setis 6, longis, antice scabris; nuce levi luteo-brunescente; rostro cum nuce sub-aequilongo, conico, scabro; stylo ipso vix ullo, cum 3 stigmatibus longis, atro-rubro.

7527 *C. Hubertii* var. β *explicatior*, C. B. Clarke, in Dur. et Schinz, Fl. Afr. v. p. 655.

RÉUNION. *Boivin*, n. 998, *Goulot*, n. 1833. MAURITIUS. Alt. 600 m., *H. H. Johnston*; *Néraud*. [6335]

7528 **C. Schlechteri**, sp. n.; robusta, fere metralis, foliis rigidis, 4-5 mm. latis; paniculâ 4 dm. longâ, anguste oblongâ, compositâ; spiculis 1-nucigeris; stylo 3-fido; nuce 2-2½ mm. longâ, oblonga, praeter apicem levi, grosse hexagono-reticulatâ.

Glabra. Culmus rigidus, triqueter. Inflorescentia 4 dm. longa; spicularum fasciculi numerosi, quam in *C. glomeratâ*, Nees, graciliores, spiculis minoribus. Nux perlevis cellulis extimis conspicuis magnis.

✓ SOUTH AFRICA. Rondeveldt, alt. 1250 m. *Schlechter*, n. 10010 (hb. Kew). [6342]

7529 **Ecklonea solitaria**, sp. n.; spiculis solitariis, distantibus, oblongo-linearibus, 10-12 mm. longis; setis basi latius ligulatis longissime densissime plumosis.

Culmi 1-3 dm. longi. Folia 5-15 cm. longa, 2-3 mm. lata, plana. Panicula cum culmo aequilongo i.e. pedunculi 1-2-stachyi ex omnibus fere axillis (imo e culmi basi sessilibus) exorti sunt. Pedunculi modo inclusi (spiculis interdum maturatis intra vaginas absconditis), modo elongati (usque ad 12 cm. longi apice monostachyi, curvati). Spiculae maturae virides, 10-12 mm. longae 1-2 mm. latae, nuce alterâ supra alteram omnino superpositâ. Nux cum stylo omnino ut *E. capensis*.

✓ SOUTH AFRICA. Cape Town; Rondebosch Camp Ground, *Dod*, n. 3348. [6350]

Schoenus sesquispiculus, sp. n.; culmo 6-9 cm. longo, 2-1 spiculas in capite gerente; spiculis 8 mm. longis, compressis, lucide castaneo-bruneis; glumis distichis, 3-4 inferioribus vacuis, 2-3 nucigeris in carinâ scabro-pilosis; setis 0; stylo longo ramis 3 subvillosis.

Rhizoma durum, longum. Culmi teretes, rigidi, nudi, curvati, papilloso-scabri. Vaginae inferiores sublucide brunee; folium

in summâ vaginâ 1 cm. longum, setiforme, rigidum. Bractea ima erecta rigida, 5-12 mm. longa. Glumae vacuae fertilibus compressis multo breviores.—Planto *S. nitenti* primâ facie similis, differt ob spiculas majores, glumas distichas, setas nullas.

✓AUSTRALIA. Stirling Range, *Diels*, n. 4659. [6412]

7531 *Schoenus neo-caledonicus*, sp. n.; fere glabra; paniculâ compositâ, angustâ; spiculis 1-nucigeris; setis 6, nucem duplo superantibus, minute scabridis basin versus ciliatis subplumosis; stylo-basi glabro lineari-cylindrico non dilatata.

Rhizoma robustum, oblique descendens. Planta robusta; culmus (in exemplo viso fractus) forsan 6 cm. altus, per totam longitudinem remote nodosus. Folia prope basin culmi 22, rigida, robusta, 20-25 cm. longa, 3-4 mm. lata, plana, apice subito angustata. Panicula in fragmentis visa, ei *S. arundinacei* similis, sed videtur multo angustior. Spiculis iis *S. calostachyi* similes sed paullo minores, longae 12 mm. lanceolatae compressae; glumae imae 7 vacuae, octavâ hermaphroditâ nuciferâ, nonâ hermaphroditâ sterili aut masculâ. Glumae elliptico lanceolatae castaneae in marginibus albide villosulae (omnino ut *S. calostachyi*). Setae subulatae basin versus dilatatae. Nux (non maturata) parvula, ovoidea, trigona, pallida, levis, glabra; stylo-basis rubra, ut in *Schoenis* typicis plurimis.—Species a cl. Benthâ dubie ad *Elynanthum* relata propter rhachillam supra nucem vix elongatam curvatam; rhachilla autem in *S. arundinaceo* non magis elongata curvata videtur. Speciei affinitas certe cum *S. calostachyo* et *S. arundinaceo* quaerenda.

✓NEW CALEDONIA. *Deplanche*, n. 239 (hb. Kew); Ngoye, alt. 500 m., *Schlechter*, n. 15205. [6475]

7532 *S. comosus*, C. B. Clarke; *Cyclocampe arundinacea*, Benth.! in Benth. & Hook. f. Gen. Pl. iii. p. 1063; Hook. Ic. Pl. t. 1434.

[6479]

7533 *S. sublateralis*, C. B. Clarke; *Rhynchospora sublateralis*, Steud.! Cyp. p. 148.

7534 [6519]

GEN-7841 *Phylloscirpus*, gen. n.

Glumae circiter 9, undique imbricatae, plures hermaphroditae nucigerae, 2-3 imae vacuae. Setae 6-5, longae, retrorsim scabrae. Stylus longiusculus, ramis 3 linearibus, basi dilatatus persistens.

Glabra, ac fere levis. Culmus 3-4 cm. longus, simplex, monocephalus, fere usque ad apicem foliiger. Capitulum densum, polystachyum; bractae plures, exteriores longiusculae, foliis similes. Spiculae 6-12-glumae, lanceolatae, fusce stramineae. Glumae elliptico-lanceolatae, vix acutae, leviter carinatae, non striatae; 2-3 imae breviores. Setae nucem cum rostro multo superantes. Stamina 3; filamenta longissima, anguste ligulata; antherae lineares, longissimae, flavidae, apice exappendiculatae, e capite exsertae. Nux non bene maturata, oblonga, sessilis, apice truncata, plano-convexa inaequaliter trigona, levis; stylo-basis cum apice nucis aequilata; nucis cellulae extimae hexagono-quadratae, parvae, inconspicuae.

Genus *Carphae* proximum, differt glumis non distichis.

P. andesinus, sp. n.; culmus subteres, fere 2 mm. in diam., basi decumbens radicans. Folia 10-12, usque ad 2-3 cm. longa, basi multum dilatata (2-4 mm. lata), e basi usque ad apicem sensim angustata, subplana, multistriata, patula. Bracteae extimae foliis similes, basi plus minus albicantes reflexae (ut in *Dichromenate*). Caput 12 mm. in diam., subglobosum, c. 20-stachyum, densum sed compositum; bracteae superiores ovatae acutae capitulo breviores. Spiculae c. 6 mm. longae, chartaceae nec rigidae. Stylus saltem saepissime 3-fidus.—Species a habitu *Scirpum dichromenoidem* referens; multum recedit a setis et stylo-basi.

✓ARGENTINA. Andes; between Mendoza and S. Rosa, *Moseley*.
[6564]

10251
Tetrariopsis, gen. n.

Spiculae 7-glumae, 2-florae, flore inferiore perfecto nucigero. Glumae rhachillâ abbreviatâ, vix distichae. Setae 0. Stamina 8. Stylus 3-4-5-fidus. Nux globosa, 3-4-5-gona, cum stylo-basi depresso-ovoidea fusa.

Fere glabra ac levis, rigida. Rhizoma horizontale, ligneum. Culmi in apice rhizomatis dense fasciculati, basi incrassati, mediocres, trigoni, nudi aut foliigeri. Folia longa, angusti linearia, marginibus plus minus revolutis. Panicula lineari-oblonga, polystachya; rami inferiores distantes, bracteae cum foliis consimiles, paniculam saepius superantes. Spiculae 2-3-nim subfasciculatae, non compressae, c. 1 cm. longae, oblongo-lanceolatae, castaneae. Glumae 3-4 inferiores vacuae, elliptico-lanceolatae acutae, sub-l-nerviae, in dorso superiore subscabro-puberulae; glumae 2-floriferae cum vacuis subsimiles, summa angusta vacua. Stamina in utroque flore 8-6 (a me visa semper 8, vel in exemplo juvenili parvo in herb. DC., 4); antherae lineari-oblongae, basi non auriculatae, apice a longâ cristâ lineari-triangulari appendiculatae. Pistillum rudimentarium in flore superiore modo adest modo deficit. Stylus longus linearis minute scaber; rami elongati lineares atropubri; a me visi 4; stylo-basis ovoideo-pyramidalis, scabro-puberula. Nux sessilis, inaequaliter 3-4-5-costata, fere ut *Cladii*, cum rostro depresso puberulo ut in pluribus *Cladiis*; cellulae extimae minutae, quadrato-hexagonae, inconspicuae.—Species 1, australiensis.

Planta ab auctoribus pluribus sub *Elynantho* typico (i.e. *Tetrariâ*, Beauv.) ordinata propter stylum 4-fidum stamina 8. Cl. F. Mueller sub *Schoeno* propter florem inferiorem nuciferum reduxit. Nees notaverat—"Species cum *Lampocarya* R. Br. haud consocianda propter squamas spiculae distichas et formam rostri." Mihi videntur glumae inferiores subdistichae, superiores 3-plerostichae, arctissime in rhachillâ brevi approximatae, et genus mihi affinis aestimatur, ob glumas florigeras et stamina 8 paullo recedens. Spiculae teretes glumis approximatis convolutis mihi videntur ab iis *Tetrariae* longa diversae; praeterea flos inferior nucifer non convenit.
[6571]

2535 **T. octandra**, C. B. Clarke; foliis basalibus pluribus, caulinis paucis aut saepe nullis; bractearum (foliorum caulinorum si adsint) marginibus revolutis; stylo 4-fido.—*Elynanthus octandrus*, Nees! in *Ann. Nat. Hist. Ser. I. vi.* (1841), p. 48.
[6574]

AUSTRALIA. Swan River, *Preiss*, nn. 1769, 1770, *Drummond*, n. 959, *Oldfield*; King George's Sound, *F. Mueller*.

7537 *Cladium hirtum*, C. B. Clarke; *Machaerina hirta*, Boeck. in *Flora*, lviii. (1875), p. 117. L 7538 [6610]

7539 *C. falcatum*, C. B. Clarke; *Baumea falcata*, Nees! in *Hook. Kew Journ.* vi. (1854) p. 29. L 7540

7541 Var. β *sumatrensis*, var. n.; robustior spiculis paullo majoribus; setâ cum $\frac{1}{2}$ parte nucis aequilongâ; nucis rostro stipiteque elongatis attenuatis.

Folia 2 cm. lata. Spicula 5 mm. longae, castaneae. Nux (rostro stipiteque inclusis) admodum elongata; rostrum nuce multo longius; stipes nuce longior.

✓SUMATRA. Mt. Sangalan, *Beccari*; n. 213. [6628]

7542 *C. globiceps*, C. B. Clarke; *Baumea glomerata*, Gaudich. in *Freycinet*, *Voy.* 1826, p. 416, t. 29. L 7543 [6647]

7543 *C. Milnei*, sp. n.; foliis xiphoideis, 5 mm. latis; paniculâ elongatâ, laxiusculâ; stylo 3-fido; nuce sessili, ellipsoideâ, rubescente, levi subnitidâ; rostro cum $\frac{1}{2}$ parte nucis aequilongo, pyramidali, albide piloso.

Culmi verosimiliter 6–8 dm. longi, apice 4 mm. lati, multum compressi, acute 2-marginati. Folia caulina culmum interdum superantia. Panicula 3 dm. longa, 1 dm. lata; pedunculi imi 2–3-ni, elongati; bractea ima cum culmo aequilonga, foliis similis; ramuli parum flexuosi, minute scabro-puberuli; bracteae superiores, cum glumis exterioribus vacuis, striati, fusce cinerei, minute dense pubescentes. Spiculae 1–3-nae, parvulae 3 mm. longae, 1–2-florae, 1-nucigerae. Glumae florigerae cum glumis vacuis aequilongae, subacutae, minus puberulae. Nux 1 mm. longa, exacte ellipsoidea, vix obscure trigona, apice subito contracta; rostrum nuce multo angustius.

POLYNESIA. Aneityum Islands, *Milne* (hb. Kew). [6653]

7544 *C. micranthes*, sp. n.; foliis xiphoideis, 3–4 cm. longis; paniculâ 2 dm. longâ, tenui, effusa; stylo 3-fido; nuce minutâ, obovoideâ, atro-rubrâ, rostro minute conico, pilosulo.

Rhizoma longe repens, cylindricum, 3 mm. in diam., a squamis ovato-lanceolatis fusce stramineis intectum. Culmi caespitosi mediocres 6–10 dm. longi, 2–3 mm. lati, biconvexi marginibus acutis fere levibus. Folia basalia undique imbricata, ad vaginas fere reducta; caulina 3 mm. lata, basi complicata, in dimidio superiore plana, ecarinata (xiphoidea) apice saepe subobtusa. Paniculae rami distantes, patule anfractuoso-flexuosi, e bracteâ imâ saepe bini, leves; bractea ima 10–15 mm. longa. Spiculae 1–3 mm. fasciculatae, vix 2 mm. longae, ferrugineo-bruneae, 1–2 florae; 1-nucigera, omnino *Baumeae* sed minimae. Glumae ovato-lanceolatae, 2 inferiores vacuae, florigerae cum vacuis subaequilongae in dorso superiore scabro-puberulae. Nux vix $\frac{1}{2}$ mm. longa, sessilis, apice conico-acuminata; rostrum proventu minutum nigrescens minutissime albo pilosulum; cellulae extimae parvulae, hexagono-rotundatae, subconspicuae (omnino ut in plurimis

Baumeis.)—Exemplum sine inflorescentiâ, folia caulina xiphoidea 3-4 cm. longa gerens, fortasse *C. micranthes* vel species huic affinis e Whareana, Neo-Zealandia (*T. Kirk*, n. 834 in hb. Kew.) est.

✓BORNEO. Banjarmasing, *Motley*, n. 574 (hb. Kew). [6659]

745/2 *C. Deplanchei*, C. B. Clarke; *Baumea Deplanchei*, Boeck. ! in *Flora*, lxi. (1878), p. 143. L 6577 [6660]

750/1 *C. Muelleri*, C. B. Clarke; foliis xiphoideis, 3-4 mm. latis; paniculâ perangustâ, oligostachyâ; stylo 3-fido; nuce ellipsoideâ, substipitatâ, pallidâ; rostro ovoideo, depresso. *C. teretifolium*, F. Muell. ! *Fragm.* ix., p. 15, partim; *C. schoenoides*, var. *elongata*, Benth. ! *Fl. Austral.* vii., p. 407. [6666]

318/1 *Lepidosperma Exsul*, sp. n.; culmo longo, tereti; foliis subnullis; paniculâ lineari strictâ, pallide bruneâ; glumis florigeris lanceolatis vix acutis; setis linearibus, cum $\frac{1}{2}$ parte nucis aequilongis; stylo 3-fido; nuce obovoideâ, 2 mm. longâ, rotundo-trigonâ, levi (apice minute scabrâ), puberulâ, nigrâ.

Glabra. Rhizoma horizontale, a squamis pallidis lentis striatis intectum. Culmi fasciculati usque ad metrales, duri rigidi (vix $1\frac{1}{2}$ mm. in diam.); nodis in mediâ parte culmi 1 aut 0; vaginae 5-8 cm. longae, arctae, pallidae bruneae, apice in altero latere lanceolatim productae, a caudâ lineari 0-8 mm. longâ, bruneâ vel saepe nigrâ terminatae. Inflorescentia 1 dm. longa, 15 mm. lata vix interrupta pallide brunea; bractee 2 cm. longae, lanceolatae. Spiculae 1 cm. longae; flos imus masculus, secundus perfectus nucifer superiores tabescentes (tertius interdum masculus). Glumae non distichae. Stylus longus ruber; stylo-basis cum nuce fusus, quasi nucis apex horizontalis scaber. Setae 6, inaequales (alternae longiores), pallidae, rigidae, leves, microscopice punctulato-scabrae, basi ipsi multum dilatatae subcrenatae. Nux parum trigona, basi contracta.—Species a cl. Bentham errore (pro specie vulgatâ) dimissa, in herb. DC. diu exsul.

✓AUSTRALIA. Swan River, *Drummond*, n. 330 (hb. DC.). [6796]

L. perteres, sp. n.; culmo robusto, pertereti; vaginâ summâ aphyllâ, paniculâ ovoideâ pyramidali, ramis rigidis numerosis subpatulis; spiculis junioribus, nigris, 2-floris; stylo 3-fido.

Culmus metralis, in mediâ parte 4 mm. in diam., perlevis vix striatulis sub paniculâ multum angustatus. Vaginae 2 superiores subspathaceae fusco-nigrae, superior apice breviter caudata, marcescens. Panicula 6 cm. longa, 5 cm. lata, composita, polystachya; bractea ima abbreviata. Spiculae juniores 5 mm. longae, lanceolatae, teretes. Glumae exteriores 3-4 breviores, vacuae. Flos imus pistillifer, sed verosimiliter sterilis. Glumae ovatae apice triangulares, proventu forsan magis acutatae. Exemplum minus juvene.

✓NEW CALEDONIA. Kanala, *Vieillard*, n. 1412. [6804]

336 *Costularia paludosa*, C. B. Clarke; *Chaetospora paludosa*, R. Br. ! *Prod.*, p. 233. L 8187 [6823]

8188 *Costularia melicoides*, C. B. Clarke; *Cyperus melicoides*, Poir. !
in Lam. Encyc. vii. (1806), p. 273. [6836]

8189 *Tetraria lucida*, sp. n.; culmo 7 dm. longo, robustiore sub-
aphyllo, monocephalo; spicis 3-5 approximatis, imâ 0-1 cm.
distante; bracteâ imâ inflorescentiam paullo superante, fuscâ;
nuce magnâ, obovoideâ, nigro-bruneâ, a stylo-basi pyramidalis longâ
connatâ.

Species *T. ligulatae*, C. B. Clarke, affinis.--Rhizoma horizontale,
4-5 mm. in diam., a squamis brevibus latis, laete-rubris, intectum.
Culmi approximati, subcaespitosi, teretes. Vaginae integrae,
lucidae, rubro-castaneae, summa in altero latere producta 4 cm.
longa, 3 mm. lata, apice late triangularis, acuta subpungens.
Bractea ima 15-20 mm. longa, anguste lanceolata, scarioso-fusca.
Spicula 10-13 mm. longa; flos imus masculus, triander.

✓SOUTH AFRICA. West Region; Prince Alfred, alt. 900 m.,
Schlechter, n. 9987. [6877]

8191 *T. australiensis*, sp. n.; culmo 9 dm. longo, per totam longi-
tudinem distanter foliigero; foliis usque ad 18 cm. longis;
paniculâ lineari, polystachyâ; antheris perlonge cristatis; stylo-
basi non dilatatâ; ceteroquin ut *T. Thuarii*, Beauv.

Glabra. Rhizoma lignescens. Culmus rectus, cylindricus, durus,
striatus; vaginae imae striatae, integrae, nigro-bruneae. Folia
cylindrico-vaginata, 5-6 mm. lata, dura, viridia, multistriata.
Panicula 25 cm. longa, 15 mm. lata fusce pallide rosea; bracteae
vaginantes, ramis erectis breviores. Spiculae 1 cm. longae, com-
pressae, 2 florum. Glumae acutae vix mucronatae, 3 inferiores
vacuae. Flos inferior 6-ander, pistillo effeto, superior huic similis
pistillo fertili. Antherarum cristae lineari-lanceolatae scabrae,
cum $\frac{1}{2}$ - $\frac{2}{3}$ parte antherae aequilongae. Nux rotundo-ellipsoidea
levis, non matura.

✓AUSTRALIA. Serpentine River, (32° 30' S.L.), *Diels*, n. 1872.
[6949]

8192 *Mesomelaena uncinata*, C. B. Clarke; *Lepidosperma uncinatum*,
Nees! in Lehm. Pl. Preiss. ii. 93. [6968]

8193 *Caustis squamellata*, sp. n.; culmis unisexualibus, ramis parum
curvatis; foliis subnullis; nuce majusculâ, ellipsoideâ, conspicue
stipitatâ, squamellis cum $\frac{2}{5}$ parte nucis subaequilongis obovatis
obtusis; stylo 3-fido; nucis rostro subnullo.

Rhizoma ligneum, 4-7 mm. in diam., a squamis pallidis intectum.
Culmi 2-4 dm. longi, rigidi, teretes; vaginae imae saepe dense
minutae lanosae; planta ceteroquin glabra. Spiculae masculae
minores, gracilius paniculatae. Spiculae foemineae 2-3 approxi-
matae, terminales ac breviter pedunculatae axillares, 9-11 mm.
longae, ellipsoideo-lanceolatae, 5-6 glumae. Glumae 3-4 inferiores
vacuae, elliptico-lanceolatae, concavae, ferrugineo-bruneae mar-
ginibus late albo-scariosis; gluma quarta (vel quinta) nucifera,
inferioribus paullo brevior, summa vacua penultima similis. Setae
quasi unguiculatae; unguiculi cum stipite nucis subaequilongae,
albidi; laminae late rotundatae, submarginatae, brunescens, in
margine scariosae. Nux 3-4 mm. longa, cinereo-brunea, admodum
levis, sed cerebroso-quasi rugosa; cellulae extimae minutae

breviter longitudinali-oblongae. Stylo-basis lineari-conica, parum dilatata.—Planta eximia, genus novum forsan constituens, sed quoad habitum omnino *Caustidis* sp.

✓AUSTRALIA. Swan River, *Drummond* (hb. Mus. Brit.).

[7088]

Caustis erostris, sp. n.; dioica; culmis tenuibus, ramis numerosis recurvatis; spiculis (foemineis) numerosis, parvulis, in pedunculis brevissimis quasi-axillaribus; squamellis 0; stylo 3-fido; nuce subglobosâ, levi, bruneâ.

Habitus omnino *Caustidis*.—Culmi (foeminei solum visi) 1-2 dm. longi, in inferiore parte praesertim scabro-punctati; ramuli plures quasi-verticillati, a vaginis pluribus imbricatis basi involuti. Spiculae 4-5 mm. longae, ellipsoideae, sub-6-glumae. Glumae undique imbricatae, ovatae obtusae, concavae, fusce castaneo-brunee, 4 inferiores vacuae, quinta nucifera, summa vacua. Nux c. 1 mm. in diam., crustacea, lucida, sed in inferiore parte obscure tenuissime lanosa, basi sessilis non angustatâ.—Nux a caeteris speciebus remota, sed habitus plantae *Caustidis*; nomen *Caustis pentandra*, R.Br., olim subscriptum erat.

✓TASMANIA. Port Macquarie, in marshes, *Milligan*, n. 876 (hb. Mus. Brit.).

[7089]

Hypolytrum Jenmanii, C. B. Clarke; culmo 1-3 dm. longo, gracili, scaposo; foliis culmum superantibus, usque ad 18 mm. latis; spicis paucis, fere capitatis aut corymbosis; stylo 2-fido; nuce turgide biconvexâ, a rostro parvulo conico coronatâ.

Rhizoma lignescens, breve. Culmi laterales, basi a squamis paucis fere aphyllis intecti, apice trigoni paullo scabri. Folia conspicue 3-nervia, in margine serrato-scabra, apice lanceolata, neque attenuata, basi (*i.e.* laminâ) in quasi-petiolum 5-10 cm. longum, subito angustata; quasi-petiolus imâ basi lata dilatatus, interdum usque ad 15 mm. latus, valide striatus, complicatus. Spicae 1-5, capitatae aut ima 1-5 mm. distans; aut corymbus depressus, ramis horizontalibus, 30-40-stachyus; bractea ima usque ad 2 cm. longa, 3-4 mm. lata, anguste lanceolata. Spicae juveniles 6 mm. longae, obtusae, frutescens lata ellipsoideae. Spiculae bractee numerosae, obtusae, concavae, fusce brunee. Glumae 2 masculae naviculares, scariosae, bruneo-maculatae, cum $\frac{2}{3}$ parte bractee aequilongae, monandrae, in carinâ hispidae; laterales et 3 interiores breviores steriles. Stylus brevis; rami 2, lineares. Nux sessilis, squamellis parum longior, fusca, obscurius rugosa, sanguineo-maculata; rostrum nuce multo brevius, inconspicuum.

BRITISH GUIANA. *Jenman*, nn. 1944, 6118; Prov. Pomeroon, *im Thurn*.

[7139]

H. nudum, sp. n.; culmo 5-10 dm. longo; foliis longis, usque ad 7 mm. latis; corymbo depresso, composito; bracteis quam rami brevioribus; glumis 2 masculis bractea longioribus; stylo 2 fido; rostro ellipsoideo, magno nucem superante.

Glabra. Rhizoma descendens, lignosum. Culmi trigoni, scapiformes, omnino leves. Folia plura, omnia culmi basin versus sita usque ad 5-10 dm. longa, in margine levia. Corymbus usque ad 3-4 cm. altus, 8 cm. latus, 15-spicatus, rami primarii leves, 2-4 mm.

distantes, conspicue divaricati; bractea ima usque ad 15 mm. longa, lanceolato-linearis, striatula, brunea. Spicae magnae, densae, juniores oblongae, nucigerae ellipsoideae usque ad 1 cm. longae 8 mm. latae, omnes solitariae. Spiculae bractea parvae, ellipticae, obtusae, subuninerviae, glabrae. Glumae 2 masculae elliptico-oblongae, naviculares, in carinâ pilosulae. Nux parva (sed rostro incluso 3-4 mm. longa), turgide biconvexa, castanea, fere levis; rostrum nuce multo longius, cinnamomeum, purpureo-glanduloso-punctatum apice subito angustatum. Stylus brevis; rami 2 longi, lineares.—Nux infertilis est; in fructu perfecto nux verosimiliter multo major, rostrum multo minus fuerit.

✓BRITISH GUIANA. *Appun*, n. 599; Upper Massaroonie, *Appun*, n. 1696. [7159]

2123 *Hypolytrum supervacuum*, sp. n.; culmo 5-8 dm. longo, foliigero; foliis elongatis, anguste linearibus, usque ad 7-11 mm. latis; paniculâ compositâ, polystachyâ; glumis 2, masculis cum bractea subaequilongis; glumâ supervacuâ laterali ad florem foemineum appositâ; stylo 2-fido; rostro conico, cum nuce fere aequilongo.

Rhizoma breviter descendens. Culmus trigonus, apice glanduloso-scaber; e collo rhizomatis propagines (*i.e.* stolones abbreviati) sursum pullulent. Folia cum culmo saepe aequilonga, in margine scabra. Panicula corymbosa, 10 cm. longa, 8 cm. lata, 50-100-spicata; rami scabri; bractea inferiores paniculam longe superantes, cum foliis consimiles; spicae pedicellatae aut ultimae saepe ternae, subsessiles. Spicae 5 mm. longae, ferrugineo-brunee, ∞-spiculosae, basi steriles attenuatae. Spiculae bractea 1 mm. longa, elliptica, glabra. Glumae masculae (cum staminibus) generis. Gluma supervacua cum glumis 2 masculis alternans, hisque brevior, elliptica, concavo-plana. Nux (rostro incluso) cum glumis masculis aequilonga, fusce viridis, parum punctata; cellulae extimae hexagonae, minutae; rostrum leve, fusce stramineum; stylus brevis; rami 2 longi lineares.

✓BRAZIL. Pará; Obidos, *Spruce*, n. 475. [7160]

2125 *H. condensatum*, sp. n.; culmo 5 dm. longo, basi foliato; spicis 20 densissime capitatis, bracteis longissimis; spiculae glumis 3 vel 4; stylo 2-fido; rostro stramineo, compresso, quam nux fertilis nigra multo longiore.—*Diplasia pycnostachya*, Benth. ! in Journ. Linn. Soc., Bot. v. (1877) p. 512, neque *Hypolytrum pycnostachyum*, Benth. ! in eodem loco.

✓BRAZIL. Prov. Rio Negro; Barra, River Taruma cataract, *Spruce*, n. 3833. [7163]

647 *H. rubescens*, Huber; culmo 4-6 dm. longo, parce foliato; foliis 3-4 dm. longis 2 cm. latis; paniculâ apertâ, semel compositâ, 20-30-stachyâ; stylo 2-fido; rostro elongato-conico quam nux longiore.

Folia in facie superiore maculata, in facie utraque microscopice dense puncticulata. Pedunculi pedicelli quam in *H. sylvatico* longiores.

✓BRAZIL. Pará; Rio Capim, *Huber*, n. 966; Barra et S. Isabel, *Spruce*. [7170]

H. bullatum, sp. n.; culmo 2 dm. longo, in medio folium interdum gerente; foliis quasi-longipetiolatis, culmum superantibus, laminâ 15 mm. latâ, valide 3-nerviâ, laeta transversim bullatâ; paniculâ pyramidali, alterâ axillari remotâ saepe additâ; spicis iis *H. sylvatici* similibus.

Rhizoma repens ligneum. Folia inferiora; lamina 24 cm. longa lateribus parallelis, eleganter bullata, viridis; petiolus 9 cm. longus, 2-3 mm. latus, striatus, ruber. Fanicula usque ad 4-5 cm. longa et lata, 20-30-spicata; bractea ima interdum 8 cm. longa, 12 mm. longa, folio minori similis sed parum petiolata, modo minor, modo nulla. Spicae (juveniles) 7 mm. longae, $2\frac{1}{2}$ mm. latae, sub-cylindricae, densae, pallide bruneae. Glumae 2 masculae, carinatae, liberae, tenues, in dorso pilosae, tertia minor vel obsoleta; pistillum junius cum rostro stigmatibusque nigro-purpureum glandulosum; stigmata 2, juvenilia crassa.

✓BRAZIL. Bahia, *Blanchet*, n. 3161A. (hb. DC.); Una, *Riedel*.

[7171]

642 **H. hoppioides**, Huber!; foliis basalibus petiolatis, laminâ 2 dm. longâ 15 mm. latâ, lateribus parallelis, apice subito contractâ, perlevi; pedunculis (scapis) nudis capillaribus 10-15 cm. longis, caput parvulum (5-7 mm. in diam.) nudum gerentibus.

Species, quoad habitum folia, *H. bullatum* affine; sed inflorescentia diversa.

✓BRAZIL. Pará; Rio Capim, *Huber*, n. 888.

[7172]

7786 **H. capitulatum**, Suringar MS.; gracilior, culmo sub-1-foliato; paniculâ subsimplice, congestim capitulatâ; glumis 2 masculis, spiculae bracteâ parum brevioribus, basi (fere ad $\frac{1}{4}$ partem) connatis; stylo 2-fido; nuce fertili rufâ, levi; rostro conico, parum compresso, cum $\frac{1}{2}$ parte nucis aequilongo, cum nuce continuo.

Rhizoma tenue. Culmi 4-6 dm. longi. Folia cum culmo subaequilonga, 5-8 mm. lata, 3-nervia. Inflorescentiae bracteae 3, ima 7 cm. longa, 6 mm. lata. Caput 2 cm. in diam., rufescens, e 3-6 spicis confectum. Nux 3 mm. longa, ellipsoidea, planoconvexa, apice conoidea.—Species *H. turgido*, C. B. Clarke, similis, sed multo gracilior.

✓MALAYA. Archipelago, *Waitz* (hb. Leiden).

[7205]

7787 **H. vitiense**, sp. n.; culmo 4-10 dm. longo, foliato; paniculâ compositâ, ramis erecto-patulis; glumis 2 masculis cum spiculae bracteâ subaequilongis; stylo 2-fido; nuce (fertili) levi, rubromaculatâ; rostro majusculo, conico, cum nuce subaequilongo.—*H. latifolium*, Seem. Fl. Vit. p. 317; Drake, Fl. Ins. Pacifici, p. 333.

POLYNESIA. Fiji Islands, *Milne*, nn. 26, 23, 180; *Seemann*, n. 666; *Graeffe*, n. 1238; *Horne*, n. 356; *MacGillivray*; *Weber*, n. 129.

[7206]

7788 **H. parvibracteatum**, sp. n.; culmo 6 dm. longo, remote vaginifero, efoliato; foliis radicalibus 25 cm. longis, 12 mm. latis; paniculâ compositâ, in pseudo-umbellam fere depressâ; inflorescentiae bracteis vix 1 cm. longis, ovatis, acutis, rubro-bruneis; spicis 5 mm. longis, ellipsoideis, bruneis; stylo 2-fido; rostro conico, cum nuce subaequilongo.

Culmus gracilis; nodi 3, distantes; vaginae (in nodis) 5 cm. longae, rubro-brunee, angustae, apice unilateraliter acutatae, non foliigerae. Folia basalia, linearia, utraque angustata, sub-3-nervia, in marginibus modice spinulosa. Panicula 3 cm. alta, 6 cm. lata, omnino rufo-brunescens; spicae, spiculae, nuces, fere ut *H. proliferi* sed non virides.

✓NEW GUINEA. Mt. Scratchly, alt. 3700 m.; *Guilianetti*. [7221]

3189 *Hypolytrum costato-nux*, sp. n.; nuce longitudinaliter leviter 10-12-costatâ (nec reticulatâ) castaneâ nigrescente; ceteroquin ut *H. viridi-nux*, C. B. Clarke.

Culmus basi lateraliter pullulans, vix stolonifer, apice triqueter fere levis. Inflorescentia 5 cm. longa, 5 cm. lata, densiuscula, polystachya. Nux $1\frac{1}{2}$ mm. longa, obovoidea, compressa, apice obtuse conica vix rostrata.

✓BORNEO. Matang, *Ridley*, n. 12345. [7223]

3190 *H. seychellense*, sp. n.; bracteis pluribus, imâ 4-5 dm. longâ 8 mm. lata; paniculâ 8-10 cm. in diam., rigidâ, densâ, 100-stachyâ; spicis juvenilibus 2 cm. longis 2 mm. in diam., saturate bruneis, rigidis. [Descriptio deest.]

✓SEYCHELLES. *W. Schimper* (1899). [7236]

3191 *H. xerocarpum*, sp. n.; culmo 3 dm. longo, basi multifoliato; paniculis polystachyis, condensatis; spicis majusculis; spiculis caducis; fructu sicco; stylo 2-fido; rostro conico, quam nux longiore, cum nuce fuso.

Glabra. Rhizoma descendens, ligneum. Culmus nudus, basi a foliis 14 cm. longis stipatus, mediocris, apice trigonus, levis. Folia culmum superantia, usque ad 11 mm. lata, basi apiceque sensim angustata, in margine scabra, nervis 2 lateraliter validis. Panicula 3-4 cm. in diam., 30-stachyâ; bractee 4-7. usque ad 3 dm. longae, cum foliis consimiles. Spicae iis *Mapaniae* similes, jam juvenes ovoideae, longae 7 mm. spiculis densis laxis; proventu (spiculis casis) spicarum rhachides usque ad 12 mm. longae $\frac{1}{2}$ mm. latae, a cicatricibus rhomboideis notatae. Spicularum bractee 3 mm. longae, ovato-oblongae, imo in fructu suberectae, laete ferrugineo-brunea, in margine pallidiores, integrae, concavae subnerves. Glumae 2 masculae spiculae bractea parum breviores, anguste oblongae, liberae, naviculares, in dorso scabro-setosae, setis subconfluentibus fere glochidiatim compositis. Nux cum stylo rostroque omnino generis; nux cum $\frac{1}{2}$ parte spiculae bractee aequilonga, caduca, turgide biconvexa, imperfecte costata rugulosa, fusce viridis aut lutescens, paullo glandulosa; cellulae extimae minutae hexagonae; rostrum pallidum; stylus brevis, ramis 2 linearibus.

✓POLYNESIA. Aru Islands, *Moseley*. [7237]

3196 *Thoracostachyum angustifolium*, sp. n.; foliis basalibus pernumerosis, elongatis, 6-7 mm. latis [Reliqua desunt].

✓SEYCHELLES. Mahé, *Thomasset*, n. 152. [7267]

8197 **T. Ridleyi**, sp. n.; quasi-umbella radiis 5, usque ad 4 cm. longis, 1-3-stachyis; spicis ovoideis, densifloris, 6 mm. longis; nuce $1\frac{1}{2}$ mm. longâ, anguste obovoideâ, trigonâ, lucide castaneâ, rostro cum $\frac{1}{2}$ parte nucis aequilongo, lineari-conico.

Rhizoma gracile, ligneum. Culmi 5 dm. longi, nudi, graciliores, apice triquetri scabri, basi robuste pullulantes. Folia 3-4 dm. longa 7 mm. lata. Bractee 3, ima foliiformes, 12 cm. longa.

✓BORNEO. Kuching, *Ridley*, n. 12346. [7268]

11204 **Mapania debilis**, sp. n.; fere levis, foliis 6 dm. longis, 6 mm. latis, utrinque attenuatis, in marginibus parcius scabris; scapo 15 cm. longo, gracili; capite florifero, 8 mm. in diam., subgloboso e 5 spicis inter se distinctis exstructo; spicis (floriferis) 6 mm. longis ferrugineis densifloris.—*M. tenuiscapae* (quoad habitum) magis similis.

✓BORNEO. *Ridley*, n. 12344. [7297]

8199 **M. radians**, sp. n.; foliis 7 dm. longis, 8 mm. latis; scapis 5-10 cm. longis, purpureis, monocephalis; spicis 6-12, 1 cm. longis, 2 mm. in diam., cylindricis, densis, stellatim radiantibus; spiculis $1\frac{1}{2}$ mm. longis. [Absque descriptione.]

✓BORNEO. Matang, *Ridley*, n. 12342. [7298]

8200 **M. baccifera**, sp. n.; culmo robusto, 3-4-stachys; spicis 2-3 cm. longis; spiculis fere omnibus fructiferis; baccâ lutescente.

Species imperfecte nota; apice scapi fructiferi cum folii fragmento sejuncto et notâ *Guppyi*.—Folium elongatum, 13 mm. latum, multistriatum nec trinerve in marginibus et carinâ subtus leve; verosimiliter apice basique sensim angustatum. Scapi apex 3-4 mm. in diam., rotundo-trigonum, minute scabrum. Bractee 5-8, 15 mm. longae, ovatae, vix acutae, fere ut *Mapaniae palustris*. Glumae 12 mm. longae 2-3 mm. latae, persistentes, lente paleaceae, apice integrae, proventu paullo lacerae, numerosae, e summis paucae steriles. Squamellae 6 (?), glumâ parum breviores, 2 exteriores in carinâ, hispidae, omnes proventu apice lacerae. Bacca subpersistens, in sicco 5-6 mm. longa obovoidea, exocarpium succulentum (lutescens e notâ *Guppyi*) endocarpium 1 mm. crassum, osseum.—Species e bracteis brevibus, spiculis fere omnibus hermaphroditis et glumis apice integris ad *Mapaniam* sect. *Halostemma* magis quam ad *Cephaloscirpium* accidens; sed in exemplo viso squamellas (i.e., spiculae structuram) bene examinare nequivi.

✓POLYNESIA. Solomon Islands; Shortland Isl., *Guppy*. [7299]

8201 **M. enodis**, C. B. Clarke; *Lepironia enodis*, Miq.! Fl. Ind. Bot. Suppl., p. 603; et Ill. Fl. Archip. Ind., p. 60, t. 21; *L. foliosa*, Miq.! Fl., Ind. Bot. Suppl., p. 603; *Pandanophyllum Miquelianum*, Kurz! in Journ. As. Soc. Beng. xxxviii. (1869) II., p. 81, partim. [7305]

8205 **M. squamata**, C. B. Clarke; *Lepironia squamata*, Miq. Ill. Fl. Archip. Ind., p. 64, t. 26; *Pandanophyllum squamatum*, Kurz, in Journ. As. Soc. Beng. xxxviii. (1869) II., p. 80. [7314]

Mapania albescens, sp. n. ; foliis metralibus, 3 cm. latis ; scapis 2-3 dm. longis ; capite subgloboso denso, 15 mm. in diam. albescente ; squamellis 6 mm. longis ; ceteroquin fere ut *M. zeylanica*.

Folia glaucescenti-albescentia, in marginibus scabri-serrata, in nervo medio subtus levia ; usque ad basin attenuata subsessilia. Scapi robustiores, leves. Bracteae exteriores, ovato-oblongae, 12 mm. longae, substriatae.—Species *M. zeylanicae* simillima ; bracteoleae, squamellae multo minores.

✓PERAK. *Ridley*, n. 7258. [7318]

M. longiflora, sp. n. ; scapo 25 cm. longo, monocephalo ; squamellis 1 cm. longis ; stylo 3-fido ; nuce ellipsoideâ, magnâ, utrinque angustatâ.

Rhizoma descendens, ligneum, crassiusculum. Folia 6-8 dm. longa, usque ad 2 cm. lata, utrinque sensim attenuata, 3-nervia, in margine aculeato-scabra. Scapi laterales, basi a squamis ovato-lanceolatis intecti, apice trigoni leves. Caput 25 mm. longum, 15 mm. latum, ellipsoideum ; bracteae c. 6, capite parum breviores, ovato-ellipticae obtusae, concavae, viridescens, leviter multistriatae. Spicae propriae vix inter se distinctae, multispiculosae, lanceolatae, quam juvenes tam maturatae albiae, induratae ; spicae partiales laterales saepe infertiles aut masculae, terminales nucigeræ. Spicula propria lanceolato-linearis, usque ad 15-18 mm. longa, straminae. Gluma oblongo-lanceolata, enervis. Squamellae 6, cum $\frac{3}{4}$ parte glumae aequilongae ; 2 exteriores oppositae naviculares in carinâ superiore pilosae. Nux longa 5-7 mm. levis cinereo-fusca, basi substipitata, apice acuto mucronata, *i.e.*, stylobasis lineari-conica cum nuce omnino fusa. Planta borneensis, *Motley* n. 1191 ad *M. zeylanicam* relata, differt spiculis glumisque dimidis brevioribus.

✓BORNEO. Bangarmassing, *Motley*, n. 1192. [7324]

M. petiolata, sp. n. ; foliis 8 dm. longis, 45 mm. latis, 3-nerviis, apice subito in caudam longam scabram contractus, petiolo 2 dm. longo ; scapis 2-3 dm. longis, monocephalis ; capite ellipsoideo-lanceolato, 3 cm. longo, 14 mm. lato ; ceteroquin ut *M. humilis*, Naves et Villar.

An *M. humilis* var. ? In exemplis numerosis *M. humilis* visis saepe capita breves. In 2 scapis, capita adsunt 2, inter se 1-7 cm. distantia.

✓BORNEO. Matang, *Ridley*. SINGAPORE, *Ridley*, n. 6546. [7330]

M. Schomburgkii, sp. n. ; robusta, foliis usque ad 4-6 cm. latis ; bracteis 3-4 dm. longis ; spicis 5-30 mm. longis ; stylo 2-fido ; nuce bicarinatâ, levi.—*Hypolytrum macrophyllum*, Boeck. ! in *Flora*, lxi. (1878) p. 142.

S. DOMINGO. *Mayerhoff*.

BRITISH GUIANA. *Schomburgk*, n. 501 ; Potaro River, *Jenman*, n. 972 ; Demerara River, *Jenman*, n. 6903. [7336]

M. longifolia, sp. n. ; spicis 5-12, maximis, ovoideo-oblongis, usque ad 3-4 cm. longis ; nuce obovoidea, apice a stylo-basi (fusâ)

parvâ pyramidali coronatâ, basi in stipite obconoideâ pallidiore sustentâ.—*Pandanophyllum longifolium*, Boeck. in Flora, lviii. (1875) p. 112; *P. macrocephalum*, Boeck. ! l.c. p. 116, partim.

[7362]

POLYNESIA. Samoa, *Whitmee*, n. 25; Tutuila, *Graeffe*, n. 1222; Upola, *Graeffe*, n. 1223.

8213 *M. Moseleyi*, sp. n.; capite frutescente 2 cm. in diam.; nuce ellipsoideâ, apice breviter acutatâ, a stylo-basi lineari conicâ rostratâ.

Rhizoma erectum, 15 cm. longum, 3-4 mm. in diam. ligneum. Folia numerosa, 6-8 dm. longa, 1 cm. lata, apice basique longe angustata, imâ basi parum dilatata, trinervia in margine scabra. Culmus quasi-terminalis, 3 dm. longus, 1½ mm. in diam., supra mediam partem nodosus foliiger, apice triqueter scaber. Bractee 3, iisque ad 15 cm. longae, foliis similes. Caput visum, in fructu maturo marcescens; glumis squamellisque fere omnibus delapsis, nucibus persistentibus. Nux 5 mm. longa, rotunda nec trigona, omnino *Mapaniae* sect. *Cephaloscirpi*.—Species a caeteris *Cephaloscirpeis* recedens culmo foliis capite multo tenuioribus, sed admodum affinis.

✓POLYNESIA. Admiralty Islands; *Moseley*.

[7366]

GEN-13480 *Mapaniopsis*, gen. n.

Spiculae propriae (specie flores hermaphroditi) 5-squamellatae. Squamellae omnes monandrae, 2 exteriores oppositae naviculares, 3 interiores planae inaequales. Flos summus foemineus nudus.—Spicae minimae, capitellatae; capitella in corymbo magno umbelliformi divaricatim pedicellata.

Planta robusta, *Mapaniae* primo adspectu similis, sed ab inflorescentiâ et spicis minimis ad *Cryptangium* giganteum magis accedens. Glabra, nisi squamellae exteriores. Culmus foliatus Umbella composita ac decomposita, radiis primariis usque ad 2 dm. longis. Spicae vix 2-3 mm. longae, 6-12-spiculosae. Squamellae 2 exteriores iis *Mapaniae* omnino similes; inter 3 interiores unica latior, 2 angustae aequales, omnes plano-concavae tenues. Filamenta nisi apice, ligulata quam in generibus vicinis latiores. Stylus mediocris; rami 2, lineares; stylo-basis in pistillo juniore magna bulbosa ovoidea hispida, in proventu minor videtur, in nuce vix ulla. Nux 1-2 mm. longa, orbiculata, sessilis, multum compressa, plano-convexo, in marginibus acute carinata, apice subacuta, levis.—Species 1, brasiliensis.

[7389]

3-298 *Mapaniopsis effusa*, sp. n.; umbellâ effusâ, 200-capitellatâ.

BRAZIL. Prov. Rio Negro; Barra, *Spruce*, n. 2017 (hb. Kew).

[7390]

Chrysithrix Dодii, sp. n.; culmo per omnem longitudinem tereti, gracili, tenuiter striatulo; foliis 1-2 mm. in diam., teretibus leviter striatis.

Rhizoma 1-1½ mm. in diam., lentum, a squamis lanceolatis pallidis intectum. Culmi 3-5 diam. longi, apice 1-1½ mm. in diam. Folia cum ¾ parte culmi saepe aequilonga.

SOUTH AFRICA. Cape Peninsula; Lower Plateau above Skeleton Ravine, *Dod*, n. 3550; Silvermine Valley, *Dod*, n. 3549; Cradock, alt. 450 m., *Galpin*, n. 4840. [7435]

Chrysithrix distigmata, sp. n.; capite viridi, stylo 2-fido; ceteroquin fere ut *C. junciformis*, Nees.

Glabra. Rhizoma crassum, obliquum, radicibus longis crassis. Culmi approximati, 3-5 dm. longi, teretes, robustiores, subaphylli basi vaginati. Caput terminale, e 3-1 spicis sessilibus formatum; bracteae 2, inaequales, lineari-lanceolatae, compressae, virides, ima 3-5 cm. longa. Spica 2 cm. longa; bractea ima 22 cm. longa, multi-striata, oblonga, apice triangularis, stramineo-viridia, herbacea. Flores masculi 10-25; glumae masculae, 1-andrae, 7-9 mm. longae, lineares, scariosae, 1-nerviae circa stamen convolutae. Antherae 6 mm. longae, appendice lineari longo scabrido. Styli pars indivisa 7 mm. longa; rami 2-8 mm. longi, teretes, rubro-brunei undique scabro-stigmata.

WEST AUSTRALIA. Greenough River (28° N. L.), *Diels*, n. 3307. [7436]

Scleria Burchellii, sp. n.; glabra, mediocris, radice fibrosâ; fasciculis spicularum in spicâ simplice inter se distantibus, mediocribus; stylo 3-fido; nuce mediocri, albidâ, transversim verrucosâ.

Culmi 4-6 dm. longi, trigoni, 2-3 mm. in diam. pro sectione *Hypoporo* robusti. Folia 2-3 dm. longa, 2-5 mm. lata. Spica 15 cm. longa, rhachis glabra aut minutissime scabra. Spiculae 6-10-nim fasciculatae, 6-7 mm. longae, ovoideo-lanceolatae, bruneae viridi-tinctae; bractea aristata, interdum longe lineari-caudata 15 mm. longa. Glumae 2 inferiores viridi-carinatae, mucronatae, superiores plures masculae magis bruneae. Nux 1½-2 mm. in diam., globosa, obscure trigona, non aut vix apiculata, a laminis parvis excurrentibus levibus transversim rugosa, sub basi obscure porosa; stipes perbrevis; discus annularis, rubro-brunus micans, vix dentatus.—Species a magnitudine a speciebus vicinis diversa. *S. leptostachyae* similis differt culmis non filiformibus, radice fibrosâ, spiculis nucibusque majoribus.

✓ BRAZIL. *Burchell*, n. 9060 (hb. Kew); Diamantina, *Schwacke*, n. 8438. [7462]

S. Lindleyana, C. B. Clarke; pilosa, radice fibrosâ; spicâ subsimplice; spicularum fasciculis hispido-ciliatis, proventu erectis; stylo 3-fido; nuce albidâ, perlevi.—*Hypoporum hirtellum*, var. *a* partim, Nees, in *Mart. Fl. bras.*, ii. pars I. p. 171.

Culmi 2-4 dm. longi, trigoni, mediocris, glabri aut pilosi. Folia 2 dm. longa, 2-4 mm. lata, plana, subtrinervia, apice subito angustata, a pilis acuiformibus patulis albidis pilosa. Spica 6-10 cm. longa, fasciculis 6-8 distantibus; rhachis pilosa. Spiculae (cum nucibus) iis *S. distantis* similes sed paullo majores et multo magis hispidae.—Species forsan quasi *S. distantis*, Poir. var. habenda.

✓ BRAZIL. Bahia, *Salzmann*, n. 620; Rio Janeiro, *Riedel*, n. 911; Minas Geraes; Ilheos, *Riedel*, n. 68. [7468]

✓ GUIANA. Cayenne, *Sagot* n. 1349 (hb. Kew, hb. Mus. Par. n. 123).

S. minima, sp. n.; minute sparsim pilosula; gracilis; radice fibrosâ; paniculâ laxâ, capillari ramis longiusculis; bracteis spiculas minimas ovoideas non superantibus; stylo 3-fido; nuce minimâ, albidâ, transversim verrucosâ.

Radices tenues rubrae. Culmi 2 dm. longi, trigoni, vix 1 mm. in diam., fere glabri; vaginae in ore saepe longius pilosae, inferiores interdum pubescentes. Folia usque ad 1 dm. longa, 3 mm. lata, sub-3-nervia, a pilis raris albis parvulis inspersa, aut glabra. Panicula 6 cm. longa; rami inferiores usque ad 2-3 cm. longi; rhachis cum ramis tenuiter pilosula; bractee elliptico-lanceolatae acutae, interdum tenuissime piliferae. Spiculae 2-4-nim fasciculatae, e $1\frac{1}{2}$ mm. longae, inter omnes *Sclerias* minimae, plurimae androgynae. Glumae 2 inferiores, carinatae in carinâ interdum scabrae, naviculares, subacutae. Nux minima c. $\frac{3}{4}$ mm. longa, minute apiculata, globosa vix trigona, non longitudinaliter costata, quasi-muriculata et in humeris tuberculosa; discus annularis, ferrugineo-rubra.

✓ BRAZIL. *Burchell*, n. 6914-2 (hb. Kew). [7475]

S. Purdiei, C. B. Clarke; fere (praeter vaginas) glabra, foliis longis, angustis; paniculâ laxâ, ramis capillaribus; spiculis parvis, atro-rubris; stylo 3-fido; nuce minimâ, depresso-globosâ, levi, albâ.—*S. verticillata*, Boeck.! in *Linnaea*, xxxviii. (1874) p. 445, non Willd.; *S. melicoides*, Schlecht. in *Linnaea*, xxvi. (1853) p. 127?

✓ COLOMBIA. Guanaguena, *Moritz*, n. 643 (1258) (hb. Berol.); S. Marta, *Purdie* (hb. Kew); *Moritz*, nn. 1911, 1590 partim (hb. Mus. Brit.). [7510]

S. diffusa, sp. n.; 6-8 pedalis, paniculâ 3-pedali, nudâ, admodum diffusâ; spiculis solitariis, remotis, sessilibus, multis 2-sexualibus; nuce oblongâ, tuberculatâ, in rostrum lineari-oblongum acuminatâ; disco brevissime cupulari, margine integro.

Vaginae longae, triquetrae subtrialatae pubescentes, ligulâ fere truncatâ. Folia pluripedalia, 1 cm. lata, subtus basin versus pubescentia. Paniculae rami tenues, 1-pedales, parum divisi, triquetri, ebracteati. Spicula bisexualis 8 mm. longa, 2-3 mm. lata; glumae vacuae subdistichae, ellipticae, acutae, magis coloratae. Filamenta rubra.

✓ BRAZIL. Minas Geraes; Itacolumi, legit *Langsdorff*? [7546]

7915 **S. tonkinensis**, sp. n.; robustior plus minus albo-villosa, rhizomate horizontali crassiusculo; paniculâ ovali-oblongâ contractâ (alterâ inferiore minore interdum additâ); spiculis masculis et 2-sexualibus, majusculis; stylo 3-fido; nuce late ellipsoideâ, levi, albâ, rostro parvo lineari; disco obpyramidali, sub-6-gono, cinnamomeo-bruneo, lobis obsoletis.

Rhizoma 3-5 mm. in diam. a squamis ovatis rubro-bruneis striatis intectum. Culmi 5-6 dm. longi, usque ad medium foliigeri, plus minus villosi interdum in faciebus depressim albo-villosi; vaginae paullo trialatae; ligula brevis. Folia usque ad 15-25 cm. longa, 10-12 mm. lata, 3-nervia, fere glabrata. Panicula 6 cm. longa, 3 cm. lata, rigida, undique albo-pilosa; spiculae in ramulis rigidis subsessiles, aliae masculae majusculae pluriflorae,

aliae 2-sexuales (spicula basi 1-nucigera apice [specie lateraliter] depauperatim 1-flore masculo). Glumae foemineae ovatae acuminato-caudatae, albo-villosae. Nux majuscula, nitide alba, vix trigona; disco (stipite) trigono in unâquâque facie longitudinaliter 1-costato, limbo fere truncato vix reflexo (marginato). Spiculae foemineae pars mascula superior e basi disci quasi-lateraliter pullulans, linearis 2-gluma, glumâ inferiore angustâ 1-andra, superiore depauperatâ sterili.

✓TONKIN. *Balansa*, n. 2800. COCHINCHINA. *Germain*, n. 21. [7559]

✓*Scleria Benthamii*, C. B. Clarke; fere (nisi ligula) glabra, elatior; paniculis partialibus remotiusculis angustis; stylo 3-fido; nuce tessellatâ, pilosulâ; disci marginis lobis 3 parvis disjunctis ovatis lateribus recurvatis apice minutissimâ lineari.—*S. tessellata*, Benth.! Fl. Austral. vii p. 430, (var. excl.) non Willd.

✓AUSTRALIA. Queensland; Brisbane River, *F. Mueller*, n. 61. [7662]

S. suffulta, C. B. Clarke; subrobusta, fere omnino glabra; paniculis mediocribus, lanceolatis, rigidus, imâ distante minusculâ, erectâ; stylo 3-fido; nuce ovoideâ, tessellatâ, pilosulâ; disci lobis 3 majusculis, crassis, erectis subquadratis.—*S. hebecarpae* affinis, Benth. MS. i.e., Dallachyi exempla in notâ, Benth. Fl. Austral. vii. p. 431 commemorata.

AUSTRALIA. Queensland; Rockingham Bay, *Dallachy* (hb. *F. Mueller*). [7671]

✓*S. micrantha*, sp. n.; robustior, parum pilosa; paniculâ elongatâ, paniculis partialibus pyramidatis distantibus bruneis; spiculis parvulis, fasciculatis; stylo 3-fido; nuce minute verrucoso-tuberculosâ, proventu fere levi; disci lobis parvulis, ovatis, minute caudatis.

Paniculae (solum visae) 3 dm. longae, 6 cm. latae, paniculis partialibus 4, inter se distantibus, ima in pedunculo 5 cm. longa exserta, 6 cm. longa 3½ cm. lata. Bractea ima foliiformis, 2 cm. longa, 5 mm. lata, apice setacea 3-nervis, in marginibus scabra, glabra; vagina stricta triquetra exalata; ligula truncata pubescens. Spiculae evolutae 2-3 mm. longae; glumae foemineae ovatae vix acutae, ferrugineae, carinâ viridi. Nux 1½ mm. in diam., juvenis reticulata in parte superiore subtuberculata, in reticulationibus pilosa, proventu fere levis alba, in humeris interdum minute tuberculata; discus trigonus bruneus; lobis fere concoloribus erectis.—Huic speciei simillia sunt exempla imperfecta *Motley* n. 1118 (Banjarmassing), et *Gaudichaud*, n. 71 (Cochin China).

✓FIJI ISLANDS. *Milne*, n. 18 (hb. Kew). [7694]

S. lingulata, sp. n.; robustior, fere glabra; ligulâ elongatâ linguiforme; paniculis partialibus remotis pyramidatis densis; stylo 3-fido; nuce globosâ reticulatâ, glabratâ; disci lobis 3 ovatis, apice acute triangularibus adpressis, inciso-dentatis.—*S. Graeffeana*, Benth.! Fl. Austral., vii., p. 431, partim; *S. margaritifera*, *F. Muell. Fragm. ix.*, p. 21 partim.

✓AUSTRALIA. Providence Hill, *F. Mueller*. [7712]

S. macrogyne, sp. n. ; robusta, fere glabra ; ligulâ magnâ, longe appendiculatâ ; paniculâ terminali magnâ, densâ (altera minore paullo distante interdum additâ), basi a bracteis perlongis suffulta ; stylo 3-fido ; nuce magnâ apice acute pyramidatâ, fere levi ; disci lobis ovatis suberectis.

S. Martii similis et affinis differt imprimis nuce magnâ acute trigonâ, apice peracutâ. Culmi apice quam in *S. Martii* robustiores, nodis brevioribus in angulis scabri ; vaginae alatae. Folia 4-5 dm. longa, vix 1 cm. lata, in marginibus scabra, apice (quam in *S. Martii*) magis attenuata. Bractea ima saepe 3 dm. longa, foliiformis. Panicula 10-12 cm. longa, 6-8 cm. lata, quam in *S. Martii* major et densior ; rhachis minutissime pilosa. Spiculae masculae numerosae 5-6 mm. longae, lineari-oblongae, ferrugineae aut castaneae ; foeminae 1 cm. longae ; gluma foeminea 8-9 mm. longa, carinata, ovata longe lanceolata-attenuata. Nux 3 mm. longa, a basi late ovatâ acuminatâ, proventu obsolete reticulata, minutissime albo-pilosa ; discus brevissimus fere patelliformis pallidus, margine latiusculo tenui albo patente ; lobi cum $\frac{1}{2}$ parte nucis aequilongi, firmiores lutescentes in margine crenato-subdentati.

✓BRITISH GUIANA. *Parker, Appun*, n. 448 ; Massaruni River, *Jenman*, nn. 2463, 6088. BRAZIL. Piauhy, *Gardner*, n. 2985 ; Rio Negro ; San Joaquin, *Ule*, n. 6065. [7745]

S. ramosa, sp. n. ; robusta, fere glabra ; caule ramoso ; ligulâ ab appendiculâ magnâ rotundâ scariosâ terminatâ ; paniculis terminalibus, densis, rigidis ; stylo 3-fido ; nuce trigono-ovoideâ levi minute pubescente ; disci margine horizontali, lobis subnullis.

Culmus robustus triqueter, a vaginis latius trialatis fere intectus. Folia 2-3 dm. longa, usque ad 1 cm. lata, in margine perscabra, subtrinervia ; ligulae appendicula 1 cm. et ultra in diam., tenuis, pallida subintegra. Panicula 1 dm. longa, 7 cm. lata, fusce straminea parum castaneo-tincta ; rhachis minute pubescens. Spiculae (ut in speciebus affinibus) masculae tenues pernumerossae, dense paniculatae, foemineae paucae multo majores juxta bases paniculae ramorum, praecipue solitariae. Nux 2 mm. longa et ultra, apice angustata apiculata, vix acuta, straminea fuscenscens. Discus late obconicus, cum nuce fere concolor, truncatus.—Species in fragmento viso 25 cm. longo 5 ramos (quorum 4 a paniculis terminati) emittens.

✓BRAZIL. *Burchell*, n. 8413 (hb. Kew). [7747]

S. parallela, sp. n. ; minute pilosa, foliorum marginibus conspicue parallelis ; ligulis magnis, vix scarioso-marginatis ; paniculis partialibus distantibus, longe pedunculatis, pyramidalibus, spiculis solitariis sparsis ; stylo 3-fido ; nuce ovoideo-triangulari, subacutâ, albâ, minute transversim verrucosâ ; disci lobis brevissimis, ovatis, truncatis, patulis.

Culmus saltem metralis, in parte mediâ robustior, sursum in paniculam gracilam abeuns. Folia 24 cm. longa, 12 mm. lata, a basi usque ad apicem aequilata, sub apice subito angustata, triangularia aut a cauda 4 mm. longa terminata, conspicue 3-nervia, parum scabrâ, in paginâ superiore pilosa, inferiore glabrata ; ligulae 7-10 mm. longae, late ovatae, obtusae, pilosae, margine

scarioso-brunco vix 1 mm. lato. Pedunculi inferiores 1 dm. exserti, graciliores; paniculae partiales 4 cm. longa, 3-4 cm. latae; bractee secundariae numerosae, conspicuae, lineares aut setaceae, a paniculis multum exsertae, usque ad 6 cm. longae. Spiculae 4 mm. longae, ellipsoideo-oblongae, rubro-bruncae, masculae multiflorae. Nux fere ut *S. Poeppigii*.—Species *S. Poeppigii* admodum affinis; folia autem apice subito angustata conspicue diversa videntur.

✓ VENEZUELA. Upper Orinoco near Esmeralda, *Spruce*, n. 3050. [7749]

7000 *Scleria chimborazensis*, sp. n.; elata, fere glabra; foliis latis, vaginis vix alatis; paniculis distantibus, non densis; spiculis in ramis longis per fasciculos distantes subsessilibus; stylo 3-fido; nuce magnâ ovoideâ, rostratâ, albâ, levi; disci lobis perbreuibus, latis, subtriauriculatum reflexis.

Rhizoma non visum. Culmi 2-metrales, 4 mm. in diam., triquetri, in angulis serrato-scabri. Folia superiora longe distantia 25 cm. longa 16 mm. lata, plana, 3-5-nervia, in marginibus perscabra, apice multum acutata; ligulae breves depresso-ovatae subtruncatae; pubescentes. Panicula terminalis (alterâ partiali axillari, multo minore, 1 dm. distante, additâ) 13 cm. longa 3 cm. lata; ramis longis, erectis, remotis, vix diversis; rhachis fere glabra; bractee secundariae usque ad 5 cm. longae, lineares. Spiculae unisexuales, foemineae subnumerosae sparsae, 5 mm. longae, robustiores, fere glabrae, fusco-bruncae, foemineae (praesertim proventu) latae. Gluma foeminea navicularis 4 mm. longa, ovato-triangularis, carinâ viridi subexcurrente. Nux 4 mm. longa et ultra, proventu lucida glabra; rostrum cum nuce continuum. Discus obpyramidalis albidus, margine tenui; lobi in cupulam truncatam coaliti, limbo undulato sub-3-nim auriculato stramineo-luteo, nec dentato nec ciliato. Folia in marginibus superioribus praemorsim angustata (iis sect. *Ophrioscleriae*) similia. Nux pallide virescens.—Species *Scleriae* (*Ophrioscleriae*) *microcarpae* Nees, var. γ *subeciliatae* affinis, praeter magnitudinem nucemque multo majorem parum distans.

✓ MEXICO. Cordova, *F. Mueller*, n. 2207. ECUADOR. Chimborazo, in pede montis, alt. 900 m., *Spruce*. COLOMBIA. Santa Marta, *H. H. Smith*, nn. 2196, 2521. [7778]

4433 *S. Huberi*, sp. n.; culmo 5 dm. longo, foliis in mediâ parte culmi approximatis, 1-2 dm. longis 15 mm. latis, lateribus parallelis; paniculâ terminali, 3 dm. longâ, apertâ, tenui, nudâ, spiculis remotis; nuce nigropurpureâ albo-floccosâ, disci lobis brevibus, late rotundis, integris, stramineis.

Rhizoma ligneum. Culmi approximati, basi nudi. Vaginae teretes, pilosulae; ligula brevis, pilosa. Folia valide 3-nervia, sessilia, apice subito subaequaliter contracta, in facie inferiore pilosa. Panicula laxè divaricata; spiculae sessiles, fere omnes solitariae.

✓ BRAZIL. Rio Purus, *Huber*, n. 4591. [7800]

4434 *S. Uleana*, Boeck. MS. in Ule, n. 1373; elata, fere glabra; vaginis angustis, angustissime alatis; foliis longis, 8 mm. latis,

apice regulariter attenuatis; paniculâ terminali subnudâ, bracteis setaceis compositâ, ramis divaricatis flexuosis aut deflexis; stylo 3-fido; nuce mediocri, ovoideâ, obtusâ levi, albâ; disci brevis margine late trifido sparsim piloso.

Folia trinervia, scabra. Ramorum apices (paniculae) vagantes. Discus e 3 foliis latis ovatis constans (vix hujus sectionis?). Spiculae 3-1-nim fasciculatae.

✓BRAZIL. S. Catharina; Tubarao, *Ule*, n. 1373; S. Francisco, *Ule*, n. 230. [7820]

2070 **S. Sprucei**, sp. n.; maxima, fere glabra; foliis 6 cm. latis; paniculis partialibus pluribus, distantibus, lata pyramidalibus; stylo 3-fido; nuce mediocri aut majusculâ globosâ, levi, pallidâ; disci cupulae margine subtruncato integro, densius breviter albo-ciliato.

“Culmus 10-pedalis, simplex, solitarius” (*Sprucei* nota), apice 5-7 mm. in diam., triqueter, in angulis levis; vaginae trialatae, alis 2 latioribus in margines folii excurrentibus. Folia (potius paniculae bractea inferior pedunculum exserens) 3 dm. longa late oblonga, apice triangularis, 3-nervia, in marginibus fere levia, basi rotundata, in parte superiore tertia praemorsim angustata; ligula ovata, obtusa, vix 5 mm. longa, margine cartilagineo minute pubescente. Panicula saltem 4 dm. longa; inferior partialis in pedunculo 12 cm. exserto erecto 8 cm. longa et lata; bractee secundariae 1-2 cm. longae, setaceae, non conspicuae; rhachides cum spiculis fere glabrae. Spiculae 4 mm. longae, ovoideo-ellipsoideae, fuscae. Nux $2\frac{1}{2}$ -3 mm. in diam., obtusa, obscure trigona, lucide straminea; discus ipse obpyramidalis atro-ruber, cupula breviter cylindrica, pallide brunea, margine obscure undulato-3-lobo, nec dentato.—Planta *S. olyroidi* simillima et cum hâc in herb. Kew. ordinata a *Benthamico* ut *Ophryoscleriae* sp. nova detecta.

✓BRAZIL. Amazon; Bahia, at the mouth of the river Solimoes, *Spruce*, n. 1565. [7828]

3721 **S. cyperinoides**, sp. n.; robusta parum pilosa; ligulis ab appendiculâ magnâ quadratâ scariosâ terminatis; paniculis in inflorescentiam densiusculam subterminalem approximatis, rubescentibus; stylo 3-fido; nuce ovoideâ, levi, purpureo-decoloratâ; disci lobis in dentes triangulari-lanceolatos rigidos divisi, basi in annulum angustum coaliti.

Rhizoma ligneum vix 3 mm. crassum, a squamis atro-rubris intectum. Culmi metrales, 3-5 mm. crassi, triquetri, in angulis fere leves; vaginae alarum 1-4 mm. latae. Folia 6-2 dm. longa, 13 mm. lata, 3-nervia, in marginibus scabra; ligulae 12-18 mm. longae. Panicula terminalis modo 5 cm. longa 4 cm. lata, modo 18 cm. longa 12 cm. lata; rhachides rubrae, parum pilosae; bractee secundariae 1-4 cm. longae, setaceae. Spiculae masculae 3-4 mm. longae, castaneo-sanguineae, in pedicellis 5 mm. longis; foeminae multo minus numerosae, prope basin ramulorum subsessiles, majores; gluma foeminea 6 mm. longa, ovata apice longe lanceolata. Nux $2\frac{1}{2}$ mm. longa obscurius trigona, remote sparse pilosa; discus ipse depressus; lorum cupula atro-purpurea,

dentibus integro concoloribus.—Species *S. cyperina*, quoad folia et inflorescentiam, mire simulans, sed disci lobi omnino diversae (a *Benthamio* recta “*Schizolepis*” in ms. notata); sed e ligulis atque inflorescentiâ affinitas reverâ cum *S. cyperinâ* esse videntur.

✓ NORTH BRAZIL. *Vaughan*, n. 28. Rio Negro; Barra, *Spruce*, n. 1252. SOUTH BRAZIL. *Burchell*, n. 9789. [7852]

Scleria neogranatensis, sp. n.; robusta, molliter breviter pilosa; inflorescentiâ oblongâ e paniculis pyramidatis luteo-bruneis exstructâ; stylo 3-fido; nuce perparvâ globosâ, levi, stramineâ; disci lobis magnis albis laciniatis basi in cupulam coalitus.

Culmus 5 mm. in diam., triqueter, minute pilosus, in angulis scaber; vaginarum alae usque ad 5 mm. latae. Folia 3 dm. longa, 2 cm. lata, 3-nervia, in marginibus scabra, subtus dense minute pilosa, suprâ fere glabrata, in parte superiore interdum praemorsim angustata; ligula abbreviata, vix 2 mm. longa, margine cartilagineo piloso. Inflorescentia 22 cm. longa, 8 cm. lata; panicula ima 5 cm. longa, 3 cm. lata pyramidalis; bractee secundariae 1–4 cm. longae, setaceae. Spiculae masculae brevissime pedicellatae, 3 mm. longae, angustae. Spiculae foemineae 4–5 mm. longae; gluma foeminea navicularis, ovata, ferruginea, fere glabra; carina viridis, minute scabra, apice in caudam linearem longam producta. Nux c. 1 mm. in diam. Discus proprius obconicus, conspicuus, luteo-bruneus, glandulosus, margine undulato patule subreflexo; disci lobi $\frac{1}{2}$ partem nucis superantes; cupula micanti-alba, dentibus lineari-oblongis integris digitata.—Species a nuce perparvâ ab omnibus vicinis diversa.

✓ COLOMBIA. La Paila, *Holton*, n. 108 (hb. Kew); alt. 1000 m., *Triana*, n. 435. [7856]

Acriulus Titan, sp. n.; culmo 15 dm. longo, crasso; nuce maturâ 2 mm. longâ, ovoideâ, albâ, longitudinaliter obscure striatâ; inflorescentiâ *A. madagascariensis*. [Descriptio amplior deest.]

✓ TROPICAL AFRICA. Congo State; Djuma Vallis, *Gentil*. [7944]

Diplacrum notopterum, C. B. Clarke; *Scleria notoptera*, Nees, in *Linnaea*, ix. (1834) p. 303. 7923 — *notopterum*! *Yucca* [7963]

4744 ***Hoppia bicolor***, sp. n.; foliis 7 dm. longis, 15 mm. latis, in facie superiore cupreo-bruneis inferiore cinereo-glaucis; scapo robustiore; paniculâ oblongâ, depauperatâ, interruptâ, bracteis foliiformibus usque ad 5–12 cm. longis, 11 mm. latis.

Eximia, praeter inflorescentiam, glabra. Rhizoma oblique horizontale, lignescens, a squamis 1 cm. longis ellipticis laxis intectum. Folia apice basique subito angustata, quasi-petiolata. Scapus 5–12 cm. longus, rigidus, triqueter. Panicula 3 cm. longa, 15 mm. lata, e 3–8 spicis multispiculosis exstructa; ramus imus 10–15 mm. distans, 10 mm. longus, rigidus. Spiculae (juveniles) omnino ut *H. irriguae*, sed majores.

BRAZIL. Minas Geraes; Una (near Our Preto) *Riedel*. [7976]

4747 ***H. Berroi***, sp. n.; foliis 3–4 mm. latis; capitibus 1–5, 1 cm. in diam., viridibus, umbellatis; spicis 6–10-spiculigeris; spiculis saepius 2-floris, utriculo vix 1 mm. longo, levi, proventu rubescente,

Cyperi speciem simulans. Culmi caespitosi, 5-15 cm. longi, radicibus fibrosis. Folia cum culmis subaequilongae. Bractee 3-5, usque ad 6 cm. longae, patulae, foliiformes, pedunculi 0-15 mm. longi. Spiculae bractea $2\frac{1}{2}$ mm. longa, viridis, valide striata; carina lata, apice producta. Filamenta obscure scabra. Stylus ex utriculo breviter exsertus, ramis 3 brevibus linearibus.

URUGUAY. Paso de los Toros, *Berro*, n. 2169. [7977]

Lagenocarpus oocarpus, sp. n.; paniculâ magnâ, longâ, ∞ -stachyâ; spiculis foemineis approximatis, brevissime pedicellatis, proventu luteo bruneis; stylo 3-(4-) fido; nuce majusculâ, rostro incluso fere oviformi, pallidâ levi in parte inferiore (*i.e.* nuce propriâ) obscurius longitudinaliter striatâ.

Species *L. tremulo* simillima, hujusque forsan var. australis. Nux major cum rostro fere 2 mm. longa, pallida neque (ut in *L. tremulo*, laete brunea.

BRAZIL. Sao Paulo, *Usteri*, n. 5; Rio Janeiro, *Glaziou*, nn. 15691, 16533; n. 17873 (paniculâ omnino foemineâ). [7993]

L. Riedelianus, sp. n.; 1-2-metralis; paniculâ 5-8 dm. longâ, 5-10 cm. latâ, apice foemineâ; ramis lateralibus breviusculis, rigide anfractuosis; nuce nigrâ, longitudinaliter striata, rostro magno conico levi pallide ferrugineo quam nux longiore.

Stolones 3 dm. longi, rigidi, recti, a squamis 2 cm. longis pallide ferrugineis intecti. Culmi robusti, trigoni, leves. Folia usque ad 8 dm. longa, 14 mm. lata, rigida. Panicula quam in speciebus adjacentibus angustior, rigidior; rami inferiores masculi a foemineis parum diversi.

BRAZIL. Minas Geraes; Ilheos, *Riedel*, n. 147. [7994]

8656
L. Mendoncae, sp. n.; paniculâ magnâ ∞ -stachyâ; spiculis masculis praecipue solitariis breviter pedicellatis, foemineis cymosim capitellatis; stylo 3-(4-) fido; nuce parvâ ellipsoidea, apice in rostrum colliforme breve sensim angustata, longitudinaliter 3-sulcatâ inter sulcos levi a glandulis inspersâ.

L. rigido similis. Spiculae masculae 5 mm. longae, vix 2 mm. latae. Spicularum foeminearum fasciculi a bracteis secundariis suberectis longissime superati. Nux humeris acute angulatis *L. rigidi* carens. Rostrum cum $\frac{1}{3}$ parte nucis vix aequilongum.

BRAZIL. Caraca, *Mendonca*, n. 1311. [7999]

8732
L. pedicellatus, sp. n.; culmo metrali verosimiliter 2-metrali; foliis 6 dm. (verosimiliter 10 dm.) longis, 18 mm. latis; panicula 5 dm. longa; paniculis partialibus multoties divisis; spiculis innumeris, solitariis, omnibus longissime pedicellatis; pedicellis 2-3 cm. longis.

Paniculae perjuvenilis fragmentum visum.—Quoad folia, bractearum vaginas, cum *L. Martii* congruens, ab omnibus *Lagencarpis* ob pedicellas longissime diversa.

BRAZIL. Rio Janeiro; Mt. Corcovado, *Langsdorff* (hb. Petropol.). [8003]

674 **Lagenocarpus tenuifolius**, sp. n.: gracilior; foliis longis, c. 1 mm. latis; paniculâ 2-4 dm. longâ; spiculis foemineis solitariis aut cymulosim fasciculatis; stylo 3-(4)-fido; nuce ovoideâ, fere levi, bruneâ; rostro cum $\frac{1}{2}$ parte nucis aequilongo, subconico, apice praemorso.—*Cryptangium tenuifolium*, Boeck.! Cyp. novae, Heft i. p. 32.

BRAZIL. Rio Janeiro, *Glaziou*, nn. 15595, 15596; Prov. Minas Geraes, *Glaziou*, nn. 17874, 20055; Serra do Cipo, *Schwacke*, n. 8429; Serra da Lapa, *Riedel*, n. 1017.

— var. β **Riedelii**, var. n.; foliis usque ad 3-4 mm. latis; nuce paullo minore.

BRAZIL. Serra da Lapa, *Riedel*, nn. 955, 944. [8004]

L. inversus, sp. n.; gracilis; foliis capillaribus; paniculâ 3 dm. longâ, tenui; pedunculis inferioribus spiculas paucas foemineas solitariis gerentibus, superioribus paniculam laxam subpoly-stachyam masculam efformantibus; stylo 3-(4)-fido.

Glabra. Rhizoma breve, horizontale, ligneum. Culmi fasciculati, 4 dm. longi, stricti, basi a vaginis fimbriatis rubris intecti. Folia 1-2 dm. longa; vaginae 1-2 cm. longae, strictae, perangustae. Pedunculi foeminei 1-2 e vaginis prope ad basin culmi sitis, 10-15 cm. longi, apice 1-3 spiculas foemineas gerentes. Pedunculi masculi 2-6 e vaginâ unâquâque exserti, foliiformes. Spiculae masculae 5 mm. longae 1 mm. latae, fere omnes solitariae, bruneae, 5-6-florae.

BRAZIL. Prov. Minas Geraes, *Glaziou*, n. 20054; Serra do Cipo, *Schwacke*, n. 8428; Serra da Lapa, *Riedel*, n. 1128. [8005]

L. albo-niger, C. B. Clarke; *Scleria albo-nigra*, St. Hilaire, Voy. Brés. i. p. 371. [8008]

678 **L. vestitus**, sp. n.; undique villosa; spiculis quam masculis tam foemineis capitellatis; pedunculis divisis saepe 12 capitella gerentibus, paucis summis foemineis; stylo 3-(4) fido.

Rhizoma robustum. Culmus 5 dm. longus, Folia subbasalia, 2 dm. longa, 4 mm. lata, utrinque subpatentim molliter fusce villosa; folia caulina 2 distantia, 1 dm. longa. Panicula 3 dm. longa, 3 cm. lata. Pedunculi ex unâquâque vaginâ inferiore 1-4, usque ad 3 cm. longi, iterum paniculati. Capitella mascula 5-6 mm. in diam.

BRAZIL. Prov. Minas Geraes, *Glaziou*, n. 20059; Tymbopeba, *Riedel*, n. 476. [8010]

718 **L. bracteosus**, sp. n.; fere glabra, elata, foliis basalibus 2 dm. longis, apice subtriquetris; culmi (forsan 8 dm. longi) paniculâ elongatâ, capitibus superioribus foemineis, inferioribus magis numerosis masculis: spiculis in capita lanceolato-bracteata globosa densa congestis; nuce obovoidea, a rostro ovoideo magno coronatâ.

Bracteae 5 cm. longae, oblongo-lanceolatae. Capitibus bracteae 15 mm. longae, oblongo-lanceolatae. Ex unâ bracteâ 10 capita mascula exoriuntur, in pedicellis 2-3 cm. longis sustenti. Styli rami perlongi rubri.

BRAZIL. Minas Geraes; Serra do Cipo, alt. 1200 m. *Sena*, n. 12163. [8011]

650 **L. brevirostris**, sp. n.; fere glabra; paniculâ elongatâ, parte inferiore masculâ subeffusâ, superiore foemineâ longâ angustâ; stylo 3-(4)-fido; nuce mediocri obovoideâ, sub-3-costatâ, fuscâ; rostro minuto, depresso conico.

Fere glabra. Rhizoma breve, horizontale, ligneum. Culmi fasciculati, vix robusti, 5-6 dm. longi; vaginae inferiores lacerae, bruneae. Folia subbasalia 1-2 dm. longa, 3 mm. lata, perrigida, hygroscopice torta, glauca; folia caulina 1-4 cm. longa, setacea, in bracteas transeuntia. Pedunculi inferiores ex unicâ vaginâ plures, 1-5 cm. exserti, capillares, apice composite laxe paniculati; spiculae (masculae) solitariae, 6 mm. longae, 2 mm. latae, bruneae, 5-6 florum. Pedunculi superiores foeminei, multo breviores, erecti, paniculam strictam longam 14 cm. latam vix 2 cm. foemineam efformantes. Spiculae foemineae approximatae, subfasciculatae; glumae obtusae cuspidatae. Nux 2-3 mm. longa, fere levis.

BRAZIL. Prov. Minas Geraes, *Glaziou*, nn. 20056, 20057, 20058. [8014]

8749 **L. stellatus**, C. B. Clarke; *Cryptangium stellatum*, Boeck. ! in *Linnaea*, xxxiii. (1874) p. 421. [8015]

8750 **Cryptangium parvulum**, sp. n.; fere glabra, foliis basalibus numerosis, 5 cm. longis, setaceis; culmo 8 cm. longo, paniculâ depauperatâ; spiculis vix 2 mm. longis.

Quasi *C. leptocladi* vel *C. ciliati* forma minima.

BRAZIL. Minas Geraes; *Schwacke*, n. 7282. [8030]

C. nudipes, sp. n.; gracilis, fere glabra; vaginae inferioribus subbaphyllis, superioribus foliigeris; paniculâ elongatâ gracili; stylo 3-fido.

Rhizoma horizontale, ligneum nodosum, lucide bruneum. Culmi 1-2 dm. longi, graciles, lenti, trigoni. Vaginae inferiores folia 0-10 mm. longa gerentes. Folia superiora 8 cm. longa, 1 mm. lata. Panicula 10-15 cm. longa, 3-5 cm. lata. Spiculae masculae cum foemineis mixtae sed masculae (pro maximâ parte) in parte superiore paniculae sitae; iis *C. uliginosi* simillimae sed paullo teneriores. Nux parvula, late ellipsoidea, apice subacute pyramidata, brunea, obscurius impresso-foveolata (reverâ a nuce *C. uliginosi* parum diversa).

BRAZIL. Minas Geraes, *Claussen*, n. 134 (hb. Kew), n. 32 (hb. Delessert); Itacolumi, in cacumine, *Schwacke* n. 7453, *Ule* [?]. [8031]

8753 **C. Claussenii**, sp. n.; culmo basi longi subnudo, infra paniculam congestim plurifoliato; paniculâ terminali, parvâ, oblongâ, densâ, stylo 3-fido.

Rhizoma horizontale, ligneum, 5 mm. in diam., a squamis ovatis obtusis brevibus striatis bruneis intectum. Culmi 3 dm. longi, approximati, graciles, trigoni, in inferiore parte remote nodosi; vaginae inferiores a foliis 5-10 mm. longis coronatae; sub paniculâ vaginae approximatae, folia plura patula 5-8 cm. longa, 2 mm. lata, gerentes. Panicula 5 cm. longa, 1-2 cm. lata; bracteae inferiores foliis superioribus similes, superiores fere obsoletae. Spicae masculae 4 mm. longae, oblongae, fasciculatae, minutissime

pubescentes, ferrugineo-bruneeae. Spiculae foemineae paucae pedicellatae, pro magnâ parte in parte superiore paniculae sitae, 2 mm. longae, proventu obovovidae. Nux 1 mm. longa, trigona, obovovidea, apice angustata conspicue apiculata (si mavis rostrata), fere levis, brunea.

BRAZIL. Minas Geraes, *Claussen*, (hb. Kew). [8035]

Cryptangium strictum, sp. n.; culmo stricto, gracili, basi longe subnudo, infra paniculam laxè foliato, foliis 2-4 cm. longis setaceis; paniculâ elongatâ, tenui, angustâ; stylo 3-fido.

Glabra. Rhizoma repens, ligneum, 5 mm. crassum (pro culmis perrobustum) a squamis ovatis striatis ferrugineis densissime imbricatis intectum. Culmi in rhizomate uniseriatim approximati 3-4 dm. longi, basi 1 mm. in diam., lenti. Vaginae 10-15 mm. longae, strictae, ferrugineae, imae aphyllae inferiores a foliis 5-8 mm. longis terminatae. Panicula 4 cm. longa, 1 cm. lata; bracteeae distantes, vaginatae, cum foliis consimiles (sensim breviores; pedunculi 2-5 ex unâquâque bractea, usque ad 1 cm. exserti (sed juveniles). Spiculae (juveniles) omnino generis.

BRAZIL. Minas Geraes, *Glaziou*, n. 20053; Serra da Lapa, *Riedel*, n. 1129. [8038]

Calyptrocarya intermedia, sp. n.; foliis anguste lineari-lanceolatis, 5-8 mm. latis, 3-nerviis; bracteis 2-4 dm. longis quam folia propria multo longioribus; corymbis capitibus nucibus fere ut in *C. fragiferâ*.

Plantae mihi videntur inter *C. fragiferam* ex *C. Poeppigianam* mediae. Capita parva cum nucibus c. 1 mm. longis sunt iis *fragiferae* similia; folia inferiora abbreviata, interdum subtus discolora ad folia *C. Palmetto* accedunt. Nees sub *C. Palmetto* (in Mart. Fl. Bras. Cyp. p. 195) scripsit "An *C. Poeppigianae* var.," et *C. intermedia* forsân = *C. Palmetto*, Nees pro parte.

BRAZIL. Lower Amazon, *Traill*, nn. 1205, 1209; Pernambuco, *Ridley*; Rio Janeiro (cultâ), *Glaziou*, n. 10143; Minas Geraes; Ilheos, *Riedel*. GUIANA. in *Thurn*; Cayenne, *Leprieur*. [8068]

Fintelmannia eximia, sp. n.; culmo 4-6 dm. longo mediocri, recto; foliis angustis, marginibus in sicco revolutis; paniculâ longâ laxâ, ramulis usque ad 1 dm. longis; spicis 5-10 mm. longis, florentibus oblongis aut anguste ellipsoideis, stylo 3-fido.

F. restiodi similis ex peraffinis sed multo evolutior. Folia usque ad 3 dm. longa, basi 5-8 mm. lata; vaginae plus minus rubentes, pruinosae. Paniculae usque ad 3 dm. longae, 1 dm. latae. Spicae omnino ut in *F. restioides* sed paullo longiores.

BRAZIL. Rio Janeiro, *Glaziou*, nn. 13313, 12256. [8081]

F. microstachya, sp. n.; culmo c. 1 dm. longo, tenero; foliis angustis in sicco subplanis; spicis c. 3 mm. longis late ovoideis; stylo 3-fido.

Folia 3-5 cm. longa, basi 1½ mm. lata, vaginis stramineis fuscescentibus. Panicula 4-6 cm. longa, 1 cm. lata, 4-18-stachya. Spicae castaneae, quam in *F. restioides* minus locupletes c. 5-10-stachyae. Spiculae iis *F. restiodis* similis, sed minores.

BRAZIL. Rio Janeiro, *Glaziou*, n. 17347; Minas Geraes, *Schwacke*, n. 8732. [8082]

8603

F. robusta, sp. n.; culmo 25 cm. longo, recto; foliis 2 dm. longis, basi 4 mm. latis; paniculâ interruptâ, 2-3 cm. latâ; pedunculis pluribus, fasciculatis, erectis, 1-4 cm. longis; spiculis omnino ut in *F. restiodi* typicâ.

BRAZIL. Rio Janeiro, *Glaziou*, n. 6764; Corcovado, *Ule*, n. 887. [8083]

8751

Schoenoxiphium caricoides, C. B. Clarke; inflorescentiâ pyramidali, glomerato; pedunculis 1-3 axillaribus additis; spicâ terminali basi foemineâ apice masculâ (spiculis 2-sexualibus nullis a me visis); stylo 3-fido; utriculis ovalibus trigonis, completis, rostro perparvo conico bifido.—*Carex Dregeana*, Kunth, Enum. ii. p. 511. *C. spartea*, Boeck. in *Linnaea*, xl. (1876) p. 370.

SOUTH AFRICA. Zwellendam, alt. 1,000 metr., *Zeyher*, n. 4440; Alexandria, *Drège*; Tembuland, *Baur*, n. 744. [8136]

— var. β *major*, C. B. Clarke; *Carex Dregeana*, var. *major*, C. B. Clarke, in *Dyer*, Fl. Cap. vii. p. 303. [8137]

S. Schimperianum, C. B. Clarke; *Carex Schimperiana*, Boeck. in *Linnaea*, xl. (1876) p. 373. [8139]

S. sparteum, C. B. Clarke; *Carex spartea*, Wahlenb. in *K. Sv. Vet. Akad. Stockh. Handl.* xxiv. (1803) p. 149. [8141]

S. fragile, C. B. Clarke; *Kobresia fragilis*, C. B. Clarke, in *Journ. Linn. Soc., Bot.* xxxvi. (1903) p. 267. [8155]

Kobresia Littledalei, sp. n.; culmis 1 dm. longis, robustis; foliis setaceis; spicâ specie simplice 2-3 cm. longâ, 3 mm. latâ, fere continuâ; spiculis pro magnâ parte 1-floris foemineis; utriculo oblongo, usque ad basin collis lineari-oblongi fisso; stylo 3-fido.

Culmi dense caespitosi, vaginis fusce stramineis, teretes, multi-striati. Folia 1 dm. longa, teretes, basi vix complanati. Inflorescentia basi laxiuscula, spiculâ, imâ subdistante; glumae ovatae-triangularis, 4 mm. longae, pallidae. Spiculae visae plures foemineae, paucae 2-sexuales. Stylus breviusculus, rami 3 longi, exserti. Nux exacte oblonga, trigona cum utriculi corpore aequilonga, apice truncata. A *K. Duthiei* differt ob spiculas inter se multo magis distantes.

CENTRAL TIBET; 30° N. L., alt. 5,000 m., *Littledale*; Choombee; Khambajong, *Younghusband*, n. 36. [8198]

K. utriculata, sp. n.; culmis caespitosis, 1-2 dm. longis, gracilibus strictis; foliis cum $\frac{1}{2}$ parte culmi aequilongis, setaceis; inflorescentiâ 12 mm. longa, 4 mm. lata, compositâ, pauciflorâ, bruneâ; pauperculâ; stylo 3-fido; utriculo (rostro incluso) 3 mm. longo, oblongo, conico rostrato, glabro, vix nervato; rostro bifidi in facie anticâ usque ad basin vix altius fisso [Absque descriptione].

EAST HIMALAYA. [Chumbee?] Ky-oo-la, King's Collector, n. 224. [8266]

Kobresia Gammiei, sp. n.; culmo 1-2 dm. longo; foliis cum culmo subaequilongis 5 mm. latis; inflorescentiâ 4-5 cm. longâ, 10-12 mm. latâ, compositâ, densiusculâ, fusce bruneâ; spicis 10-12 mm. longis, basi 1-2-carpeis, spiculâ masculâ pedicellatâ multiflora; stylo longo 3-fido.

INDIA. Sikkim, *Gammie*; Tongsup near Jongri, (hb. King). [8267]

832 **K. curvata**, C. B. Clarke; *Carex curvata*, Boott, *Carex*, i. p. 2, t. 5. [8268]

833 **K. Deasyi**, sp. n.; perrobusta, culmis rigidis; inflorescentiâ 3 cm. longâ, oblongâ, densâ, compositâ; spiculis inferioribus 2-sexualibus (flore 1 foemineâ, 3-4 masculis) non raris; stylo 2-fido; nuce anguste obovoideâ, compressâ, in facie anteriore carinatâ.

Culmi dense caespitosi; radices carnosae; vaginae inferiores lucenti-bruneae. Culmi usque ad 3-4 dm. longi (verisimiliter). Folia 10-15 cm. longa, 3 mm. lata. Glumae foemineae margines liberi.

NORTH-WEST TIBET. Alt. 5,250 m., *Deasy*, n. 839. [8273]

875 **Carex chubutensis**, sp. n.; culmis 1 dm. longis, unisexualibus monostachyis; spicâ 12-15 mm. longâ, 5 mm. latâ, multiflora; styli ramis 2, longis; utriculo ellipsoideo plano-convexo, $3\frac{1}{2}$ mm. longo, 12 nervi; ore subintegro, apice puberulo subpiloso.

Culmus solitarius, in parte superiore foliatus, basin versus fere nudatus; rhizomate tenui lignescente. Folia 5 cm. longa, linearia. Spica mascula (quam foeminea) paullo longior, angustior. Glumae 4-5 mm. longae, elliptico-oblongae, vix acutae, laete bruneae in dorso flavae. Utriculi rostrum minutissimum subcylindricum.

ARGENTINA. Chubut River, *Koslowsky*, n. 72 (hb. Schinz). [8475]

876 **C. hysipedos**, sp. n.; foliis pluribus 5 cm. longis, linearibus; culmo 1-4 cm. longo, 2-4-stachyo; spicis superioribus apice masculis, basi foemineis; stylo 2-fido; utriculis parvis, globosis, compressis, apice umbonatis, levibus pallidis.

Rhizoma repens culmis approximatis. Folia 2 mm. lata, levia, plana, curvata. Spica 3-8 utriculos maturantes. Utriculi umbo bifide emarginatus. Stylus brevis; rami cum utriculo aequilongo.

PERU. Fanin, alt. 4,300 m., *Weberbauer*, n. 2617. [8488]

877 **C. arizonensis**, sp. n.; rhizomate 8 cm. longo, crasso, horizontali, internodiis brevibus, radicibus propriis crassiusculis; culmis 7 dm. longis, mediocribus; paniculâ 1 dm. longa, strictâ, compositâ et decompositâ; glumis foemineis mucronatis aut (interdum longe) aristatis; ceteroquin ut *C. teretiuscula*.

Fere glabra. Culmi inter se 5-12 mm. distantes. Folia plura 6 dm. longa, 5 mm. lata. Paniculae secundariae 3 cm. longae, oblique erectae; bractee primariae et secundariae, conspicuae, setaceae, caudatae. Utriculus (omnino *C. teretiusculae* typ. nec var. *ampla*, Bailey) 3 mm. longus, ovoideus, in facie convexâ subereo-incrassatus obscurius 4-nervis.

CANADA. Columbia; 40° N. L., *Macoun*, n. 33743. ARIZONA.
Fort Huachuca, *Palmer*, n. 462. [8667]

Carex varica, sp. n.; pedunculis remotis, imâ fere basali usque ad 18 cm. longâ apice 1-2-stachyâ; spicâ terminali elongato-oblongâ, basi laxâ interruptâ foemineâ apice masculâ; glumis foemineis quam utriculi multo longioribus obtusis; styli ramis 2; utriculo plano-convexo, ellipsoideo apice acuminato, levi, glabro, in facie convexâ 7-9-nervi; rostro brevi cylindro, ore integerrimo paullo dilatato.

Planta 3-metralis, 4-6-stachya. Folia 3 dm. longa, 3-4 mm. lata, subtùs glabra nec glanduloso-pubescentia. Bracteae inflorescentiam superantes, ima vix vaginans. Spicae inferiores pedunculatae, foemineae apice saepe parce masculae. Glumae 4 mm. longae, in dorso late virides in marginibus laete brunee. Styli rami longi, rubro-brunei; in unico utriculo ramus tertius tenuis additur. Utriculi nec glandulosi nec granulares, subsessiles.—In herbariis cum *C. lenticulari* Michx. mixta; utriculi omnino diversi sunt. Noces fertiles videntur.

CANADA. "Norway House to Canada," *Richardson*. [8760]

C. lophocarpus, sp. n.; foliis usque ad 4-5 mm. latis, apice non caudatis; spicis ellipsoideis, usque ad 12 mm. longis; utriculo (rostro incluso) 4-5 mm. longo; in utrâque facie valide nervato, rostro quam nux longior, in utroque margine ab alâ inciso-lobata ornato; ceteroquin fere ut *C. inversa*, R. Br. var. *major*.—*C. inversa*, Boott, *Carex*, p. 151, var. *major*, partim, i.e. t. 486 utriculo erostri excluso; Benth. Fl. Austral. vii. p. 438 partim; F. Muell., Second Census Australia, p. 217 partim.

Utriculus in facie convexâ 7-nervis, in facie planâ 5-nervis; nervi multum elevati, sub unoquoque nervo adest vitta; utriculi facies utraque saepe plus minus corrugata.

AUSTRALIA. Queensland; Brisbane river, *F. Mueller*; Clarence river, *Wilcox*. [9078]

C. alterna, sp. n.; dioica, rhizomate longe repente, robusto; spicis 5-20, approximatis, vel in inflorescentiam oblongam simplicem aut compositam congestis; antheris apice mucronatis; glumis foemineis testaceis, in margine saepe scariosis; stylo 2-fido; utriculis 2-3 mm. longis, 1 mm. latis, ellipsoideo-lanceolatis, basi angustatis; rostro cum $\frac{1}{2}$ - $\frac{2}{3}$ parte utriculi aequilongo. *C. marcida*, Boott, var. *alterna*, Macoun! Cat. Canada Pl. ii. p. 374. *C. marcida*, Hook. Fl. bor. Amer. ii. t. 213 partim (i.e., utriculi nec planta). *C. siccata*, Boott! in Benth. Pl. Hartweg. p. 341.

CANADA. UNITED STATES. CENTRAL AMERICA.

[v. MS. 9146-9150]

C. moscowensis, sp. n.; culmo 8 dm. longo, robustiore, foliis angustis; vaginis basalibus crassis, sublucidis, obscurius fenestratis; spicis terminalibus 2-3 masculis, inferioribus 2-3 foemineis, paullo distantibus, fere sessilibus; bracteis inflorescentiâ brevioribus; stylo 2-fido; utriculis parvis, anguste oblongis, enervis, vix puberulis; ceteroquin ut *C. caespitosa*, Palmstr.

CENTRAL RUSSIA. Moshaisk, *O. et B. Fedtschenko* (June 1896, 1897 "*C. stricta*"). [9272]

Carex subvaginata, Meinsh. ined. ; gracilis, foliis 3–4 mm. latis ; spicis 2 superioribus masculis, 2 inferioribus foemineis, pallidis ; imâ sessili glumis laxiuscule stipatis ; bractea imâ quam inflorescentia parum brevior vix vaginata ; stylo 2-fido ; utriculis papilloso-granulosis enerviis, angulo tertio prominulo ; ceteroquin fere ut *C. caespitosa*, Palmstr.

Culmi 4–5 dm. longi, graciles. Folia culmi parum breviora. Spicae foemineae, 32 mm. longae, 4–5 mm. latae. Glumae foemineae lutescentes ferrugineo-tinctae, in dorso anguste virides, cum utriculis aequilongae, apice subacute triangulares, laxae sitae. —Species a *C. caespitosa* var. *magis-bracteata* ob spicas latiores laxiores divisa.

MANCHURIA. St. Olga Bay, *Maximowicz*. [9273]

C. semicrinata, sp. n. ; spicis foemineis 2, apice masculis, 5 cm. longis, 6 mm. latis densis ; glumis foemineis 5 mm. longis, lanceolatis, acutis nec mucronatis, tenuibus, pallidis ; utriculis 3 mm. longis, ovoideis compressis, suberostratis, in marginibus superioribus hispidis, obscure aut non nervatis, apice (maturis) viridibus.

C. crinitae affinis sed folia 3–4 mm. lata, glumae foemineae non mucronatae.—Culmus (quasi in *C. angustata*, Boott) robustior, apice vix scaber. Vaginae inferiores non fibrillosae. Spicae masculae 2, pallidae, angustae ; bractea ima cum inflorescentia aequilonga.

FLORIDA. *A. Gray* (hb. Carey). [9290]

C. bishallii ; sp. n. ; elongata, foliis angustis ; bractea imâ inflorescentiam superante ; spicis 5, 4 inferioribus foemineis 18 mm. longis, 5 mm. latis densis sessilibus imâ 7 cm. distante, terminali 25 mm. longâ in medio foemineâ ; glumis foemineis oblongis, obtusis, quam utriculi brevioribus ; stylo 2-fido, utriculis 4 mm. longis sessilibus ellipsoideis, parum nervosis, apice longius conicis suberostratis, ore integro.—*C. decidua*, Dewey in Bot. U.S. et Mexic. Bound. (1858), p. 230, non Boott ; *C. Hallii*, L. H. Bailey in Proc. Am. Acad. xxii. (1886), p. 82 partim ? (e descr.).

Culmus (inflorescentia exclusâ) 7 dm. longus, gracilior, apice scaber. Folia perlonga, usque ad 4 mm. lata, subtus minute papillosa. Glumae castaneae, in dorso lutescentes. Utriculi apice granulares, remote tenuiter nervosi, glandulis parce inspersi.

CALIFORNIA. Yosemite Valley, *Brewer*, n. 1648. [9316]

C. enneastachya, sp. n. ; spicis 3 terminalibus masculis, 6 inferioribus foemineis, approximatis, cylindricis ; bracteis 3 inferioribus inflorescentiam longe superantibus ; utriculis parvulis ; ceteroquin ut *C. acuta* Linn.—*C. incompta*, Franch. in Mission Cap-Horn, Bot., p. 376, t. 6 (e descr.).

COLOMBIA. *Jameson*, n. 2 (hb. Boott). [9334]

C. Hindsii, C. B. Clarke ; foliis perangustis ; bracteis perangustis, inflorescentiam longe superantibus ; spicis foemineis majusculis ; utriculis undique rigide patulis, supra stipitem longum turgidis

valide 7-nerviis ; ceteroquin fere ut *C. nebraskensis*, Dewey.—*C. decidua*, Boott! *Carex*, i. p. 63 partim ; *C. caespitosa*, Bongard in *Mém. Acad. Pétersb. Sér. 6. ii.* (1833), p. 169, fide Boott MS.

UNITED STATES. Columbia River, *Hinds* ; Montana, alt. 2250 m. *Rydberg et Bessey*, n. 3740. [9344]

C. panda, sp. n. ; spicis foemineis longis 4, omnibus pedunculatis, imâ 6-9 cm. longâ in pedunculo 5-12 cm. longâ nutante, glumis foemineis cum utriculis aequilongis muticis apice conice angustatis parce hispidis, ore integro.

Culmi elongati apice leves. Bractea ima 3-5 dm. longa, 5-8 mm. lata, basi non vaginans, subtus glabra. Spicae masculae terminales 3, castaneae, spicae foemineae 4-6 mm. in diam., densae, ima basi paullo interrupta.—Differt (a *C. interrupta*) magnitudine, glumis foemineis apice glabris muticis, utriculi ore non 2-dentato.

CANADA. Sitka, *Bongard* ; Cape Mulgrave, *Beechey*. [9355]

C. magnifica, Dewey, MS. *C. setchensis*, Boott! in *Hook. Fl. Bor. Am. ii.*, p. 220, t. 221. [9394]

C. personata, C. B. Clarke ; *C. acuta* var. *personata*, Fries, *Novit. Fl. Suec. ii.* (1828), p. 281 ; *Mant. iii.*, p. 15. [9441]

C. dicraea, sp. n. ; spicâ 1 terminali masculâ, 1-2 inferioribus foemineis longe pedunculatis ; glumis foemineis 7-8 mm. longis, lanceolatis longe lineari-acuminatis mucronatis ; utriculis 4-5 mm. longis, late ellipticis admodum compressis, enerviis, in 2 marginibus acutis a pilis sparsis ornatis, in rostrum lineare a dentibus 2 linearibus longis divaricatis vix hispidis terminatum attenuatis ; styli ramis 2, 4-5 mm. longis. *C. plocamostyla*, Franch. ! in *Nouv. Arch. Mus. Sér. 3, ix.* (1897), p. 140, non Maxim.

JAPAN. Nazuzan, *Faurie*, n. 1134 ; Hakkoda, *Faurie*, n. 849 ; Tsuragizan, alt. 2000 m., *Faurie*, n. 13411 ; Miyokosan, *Faurie*, n. 1132. [9465]

C. Oldhamii, sp. n. ; culmis 5-6 dm. longis, gracillimis, foliis filiformibus ; spica lineari, usque ad 18 mm. longâ ; parte masculâ usque ad 1 cm. longa : utriculis perparvis, ovoideis, basi truncatis subcordatis, nervatis, glanduloso-punctatis ; ceteroquin fere ut *C. capillacea*. *C. capillaceae* forsan var. ; differt culmis longis, spicis longis, utriculis perparvis.

JAPAN. Nagasaki, *Oldham*, n. 740, 923 (hb. Kew). [9532]

C. hilaireioides, sp. n. ; gracilis, foliis setaceis ; spicae parte masculâ vix 1½ mm. latâ, utriculis paucis, quam *C. Hilairei* angustioribus, minoribus, vix corrugatis, in angulis vix hispidis ; ceteroquin ut *C. Hilairei*, Boott. (cf. *Verh. Bot. Ver. Brand. xlvii.* (1906) p. 205).

Folia cum culmis aequilonga, 1-nervia, scabra. Glumae masculae subpersistentes, erecto-adpressae, fusce purpureae.

BRAZIL. Minas Geraes, *Glaziou*, n. 20032 (hbb. Kew, Berol.) ; Serra de Caraca, *Ule*, n. 2738. [9642]

C. vesca, sp. n. ; foliis culmos longe superantibus, 2-4 mm. latis ; culmo 2-8 dm. longo, setaceo, 1-stachyo ; spicâ 5-8 mm. longâ, ovoideâ, 3-7 utriculos gerente, specie foemineâ, glumis laxe sitis

imâ paullo distante ; utriculo ellipsoideo, aequaliter trigono, apice basique attenuato, in humeris minute piloso ; stylo 3-fido, ramis brevissime exsertis. (cf. Verh. Bot. Brand. xlvii. (1906) p. 206).

Fere glabra. Rhizoma breve, ramosum, tenue. Folia numerosa 1-2½ dm. longa, 9-13-striata, vix 3-nervia. Bractea ima usque ad 15 mm. longa 2 mm. lata. Gluma ima bracteiformis, in aristam utriculum multum superantem acuminata ; glumae superiores utriculis breviores, vix mucronatae. Utriculus basi alternato-pyramidalis vix stipitatus, in 2 (ex 3) faciebus a nerve unico tenui percursus ; rostrum breve conicum, apice glabrum ore integro.—Spicae numerosae visae foemineae videntur.

BRAZIL. Nova Friburg, *Ule*, n. 4620 ; Itabaca, alt. 2000 m., *Ule*, n. 3512. [9646]

8752
Carex shanensis, sp. n. ; pubescens, inflorescentiis pilosis ; foliis superioribus 9 mm. latis ; spicis compositis, paucifloris, condensatis, stramineis, 8-12 mm. longis, 8-12 mm. latis, 2 remotis ; spicâ terminali masculâ sessili, glumis linearibus, aristatis ; stylo 3-fido ; utriculo ovoideo, trigono, enervi, undique hirtello, fusce stramineo, 4 mm. (rostro lineari brevi incl.) longo ; nuce majuscula acute trigonâ.

C. leucanthae, Arn., affinis ; differt glumis pedunculis pilosis, capite ovoideo brevi (nec lanceolato) foliis latioribus, glumis masculis linearibus.

BURMA. Shan States ; Keng Taung, *Abdul Khahlil* (hb. Calcutt.) [9685]

8753
C. gembolensis, sp. n. ; utriculis 2-2½ mm. longis (saepe usque ad basin), copiose hispido-pilosis, enervatis aut fere enervatis ; ceteroquin ut *C. filicina*, Nees.

Rhizoma validum. Culmi approximati, 5-8 dm. longi, apice trigoni leves glabri. Folia 4 dm. longa, 5 mm. lata, levia, glabra. Paniculae partiales 5-6, pyramidatae, 4 cm. longae, 4 cm. latae densiusculae ; pedunculi usque ad 10-14 cm. longi, interdum geminati ; bractea ima 15 cm. longa, foliiformis sed inflorescentiâ multo brevior, basi vaginata. Spicae 8-10 mm. longae, basi 2-5-nucigerae, plures apice masculae. Glumae tenues, ferrugineae ; foemineae cum utriculis aequilongae, interdum mucronatae. Styli rami 3, utriculo multo breviores. Utriculi trigoni, ellipsoidei utrinque angustati, paullo enervati, subsessiles, interdum irregulariter pauci-nervati saepe enerves. Rostrum cum ½-¾ parte utriculi aequilongum apice bidentatum.

JAVA. Prov. Modjokerto ; Mt. Gembolo, alt. 1400 m., *Zollinger*, ser. 2, n. 7. [9708]

C. scaberrima, sp. n. ; inflorescentiâ 45 cm. longâ, 4 cm. latâ ; paniculis partialibus usque ad 8 cm. longis, 15 mm. latis, compositis, ramis ramulisque erectis hispide pilosis, spicarum fasciculis pernumerosis, congestis ; spicis innumeris parvulis. *C. bengalensis* var. γ *scaberrima* Boeck. ! in *Linnaea*, xl. (1876), p. 347.

PHILIPPINE ISLANDS. Luzon (Albany), *Cuming*, n. 936 ; Benguet, alt. 2000 m., *Merrill*, n. 4795. [9712]

C. neo-guineensis, sp. n. ; paniculis partialibus in spicas compositas rigidas oblongas congestis ; utriculis rostro incluso 3 mm. longis, quam in *C. Lindleyana* gracilioribus, ceteroquin fere ut *C. Lindleyana*.

Rhizoma lignescens. Culmi 5-8 dm. longi, stricti triquetri, leves. Folia culmis parum breviora, 5 mm. lata, stricta, duriuscula. Paniculae partiales c. 5, longae 3 cm., latae 8 mm., rubrae, compositae, ramulis rigidis minute pilosis densae. Pedunculus imus 1 dm. distans, 6 cm. longus ; bractea ima 7-15 cm. longa, erecta, foliiformis, apice obtusa minime caudata. Glumae foemineae utriculis multo breviores, ovatae acuminatae, nec mucronatae. Utriculi rubentes, oblongo-ellipsoidei, trigoni, utrinque angustati, glabri ; rostrum cum $\frac{1}{2}$ - $\frac{3}{4}$ utriculi aequilongum, lineare, dentibus 2 linearibus fissum, hispidum. Styli rami 3, breves, rubri. Nux utriculo paullo angustior.

NEW GUINEA. *Guilianetti et English*. [9742]

C. saturata, sp. n. ; paniculis partialibus 3-4, late oblongis, 6 cm. longis, 24 mm. latis, perdensis, saturate sanguineo-purpureis ; spicis 10-14 mm. longis basi foemineis ; utriculis rostro incluso 3-3 $\frac{1}{2}$ mm. longis, ellipsoideis, glabris ; rostro cum utriculo fere aequilongo, lineari glabro. *C. filicina*, O. Stapf, in Trans. Linn. Soc., Ser. 2, Bot. iv. (1893) p. 246.

Planta 45 cm. alta, fere glabra. Folia cum inflorescentiâ aequilonga, 1 cm. lata. Panicula partialis ima 1 dm. distans ; pedunculus imus 6 cm. exsertus ; bractea ima inflorescentiam fere adaequans, foliiformis. Spicae dense congestae. Glumae foemineae cum utriculis aequilongae, elliptico-lanceolatae obtusae, saturate rubro-purpureae. Utriculi purpureo-maculati, tenuius multi-striati. Nux utriculam implens.

BORNEO. Kinabalu, alt. 3000 m., *Haviland*, n. 1402. [9743]

4787 *C. Uhligii*, K. Schum. MS. ; gracillima, glabra, 5 dm. alta, foliis basalibus numerosis gramineis 3 mm. latis ; paniculâ elongatâ, tenuissima, subracemosa c. 6-stachyâ ; spicis superioribus 8 mm. longis, apice masculis, basi 4-6 nucigeris, laxis ; utriculis 4 $\frac{1}{2}$ mm. longis, angustius oblongis, utrinque attenuatis, 15-nervatis, fusce viridibus, glabris ; rostro cum $\frac{1}{3}$ parte utriculi aequilongo, fere lineari ore oblique leviter 2-dentato.

Culmi dense caespitosi, basi multum foliati. Folia cum culmis fere aequilonga, subaequaliter 6-costata, vix puberula, in margine arcte scabra. Inflorescentia 2 dm. longa ; pedunculi remoti, e vaginis breviter exserti. Stylus 3-fidus ; rami breviusculi. Utriculus basi acutatus, fere stipitatus.

SOUTH AFRICA. Usambara, alt. 1800 m., *Uhlig*, n. 856. [9751]

1391 *C. hirtigluma*, sp. n. ; mediocris, paniculis partialibus 4, distantibus, subsimplicibus, 5-8-stachyis ; spicis 12-14 longis, oblongo obovoideis, truncatis (apice masculis?) ; glumis foemineis aristulatis, hirtis ; utriculis rostro incluso 6 mm. longis, oblongo-ellipsoideis ; rostro cum $\frac{2}{3}$ parte utriculi aequilongo.

Plantae 3-4 dm. longae. Folia inflorescentiam superantia 4-5 mm. lata ; fere glabra. Inflorescentia 18 cm. longa, 2 cm. lata ;

pedunculus imus 2–4 cm. exsertus; bractea ima foliiformis, inflorescentiam superans. Spicae quasi spiculae inter se 5 mm. distantes, patulae, fusce virides, densiusculae; in exemplis amplis bonis florem masculum ne unicum invenire potui. Styli rami 3 longiusculi. Exempla videntur 1-sexualis, foeminea, ex habitu *C. cruciatae*, Wahlenb. affinia.

MADAGASCAR. *Baron*, nn. 694, 4101. [9769]

Carex zuluensis, sp. n.; robusta, metralis, inflorescentiâ 3 cm. oblongâ, ∞-stachyâ; spicis 1 cm. longis, basi paucinucigeris, longâ, in paniculis oblongis congestis densius fasciculatis; stylo 3-fido utriculis rostro incluso 5 mm. longis (et ultra) ellipsoideis, a pilis minutis tenuibus undique parce inspersis; rostro cum $\frac{1}{2}$ parte utriculi aequilongo, anguste conico. *C. condensata*, C. B. Clarke, in Dyer, Fl. Cap. vii. pp. 300, 305; Fl. Trop. Afr. viii. pp. 515, 521. *C. Wahlenbergiana*, C. B. Clarke, in Trans. Linn. Soc. ser. 2. Bot. iv. (1894) p. 54.

C. condensatae, Nees, admodum affinis; utriculi autem majores horumque indumentum diversum.

Rhizoma 4 mm. indivisum. Culmi apice trigoni, leves. Folia cum $\frac{3}{4}$ parte culmi aequilonga, usque ad 12 mm. lata, glabra, in margine levia. Bractea ima, basi vaginata, inflorescentiam saepe superans, foliiformis. Spicae bruneae, fere omnes apice masculae, glumis masculis numerosis acutis dense stipatis. Glumae foemineae cum utriculis aequilonga, ovato-lanceolatae, vix mucronatae, tenues bruneae sub-5-nerviae. Rhachides panicularum minute hispidae. Utriculi trigoni, 12–15-nervii, leves, apice subconice angustati. Nux utriculum fere implens.

AFRICA. Nyasaland; Mt. Milangi, *Whyte*. Natal, *Buchanan*, nn. 149, 353. Orange river Colony, *Buchanan*, n. 150. Zululand, *Wood*, n. 7540. Tembuland, alt. 500 m., *Baur*, nn. 444, 1156. [9770]

C. Havilandii, sp. n.; foliis cum plantâ aequilongis, 5 mm. latis; inflorescentiâ 18-stachyâ, pedunculis 3–4-nim fasciculatis; spicis 3–3 $\frac{1}{2}$ cm. longis, linearibus, castaneo-rubris, pluribus basi foemineis apice masculis; stylo 3-fido; utriculis rostro incluso 4 mm. longis, gracile lanceolatis, fere glabris; rostro recto, conico-lineari, cum $\frac{3}{4}$ parte utriculi aequilongo. *C. hypsophila*, O. Stapf, in Trans. Linn. Soc. ser. 2, Bot. iv. (1893), p. 246.

Folia glabra, viridia, tenuiora. Bractea ima 8 cm. distans, vaginata, inflorescentiam superans, foliiformis; pedunculi 1–4 cm. exserti. Spicae basi laxae. Glumae foemineae aristellâ utriculis paullo breviores, ovatae acuminatae, castaneo-purpureae in margine scariosae. Utriculi conspicue stipitati, acute trigoni, maturi plus minus castaneo-rubri, fere enervii, glabri in 3 angulis superne scabri. Styli rami 3, utriculo breviores. Rostrum hispidum a 2 dentibus lanceolatis terminatum.—Species *C. hypsophila*, Miq. quoad inflorescentiam utriculos admodum affinis; folia multo diversa sunt.

BORNEO. Kinabalu, alt. 3250 m., *Haviland*, n. 1403. [9803]

C. turrita, sp. n.; inflorescentiâ 5 dm. longâ, 40-stachyâ; pedunculo imo, interdum geminato, usque ad 14 cm. exserto, gracili, apice 3–8 spicas approximatas gerente; spicis 5–7 cm. longis, linearibus, pluribus basi foemineis apice masculis, bruneis,

nutantibus; stylo 3-fido; utriculis rostro incluso 5 mm. longis, ellipsoideo-lanceolatis, glabris; rostro quam utriculis vix brevior, conico-lineari, scabro.

Plantae maturae pars superior 7 dm. longa adest. Bractea ima longe vaginata, inflorescentiam superans, 5 mm. lata, in facie superiore paullo scabra, inferiore fere glabra. Spicae inter se vix 3-6 mm. distantes, laxae. Glumae foemineae mucrone scabro incluso utriculis breviores, ovatae aut subovatae, saturate bruneae in dorso luteae. Styli rami 3, utriculo vix breviores rubro-brunei. Utriculi parum stipitati, vix nervati, in angulis 3 superioribus scabri.

PHILIPPINE ISLANDS. Benguet, *Loher*, n. 700. [9804]

8791 *C. sumatrensis*, sp. n.; planta 7 dm. alta, 25-stachya; foliis inflorescentiâ paullo breviores 5 mm. latis; pedunculis inferioribus usque ad 9 cm. exsertis, interdum fasciculatis; spicis 5 cm. longis, linearibus, pluribus basi foemineis apice masculis, laxis; stylo 3-fido; utriculis rostro incluso 5 mm. longis, anguste ellipsoideis utrinque acuminatis, glabris; rostro cum utriculo aequilongo, conico-lineari, scabro.

Culmus mediocris, 1-foliatus, apice trigonus levis. Folia basalia plura, fere glabra. Bractea ima longe vaginata, foliiformis; cum inflorescentiâ aequilonga. Spicae in apice pedunculi plures approximatae, bruneae. Glumae foemineae elliptico-lanceolatae, vix mucronatae, cum utriculis aequilongae. Utriculi conspicue stipitati, basi multum attenuati.—A *C. turritâ* praeter utriculos conspicue stipitados vix diversa.

SUMATRA. Mt. Dempo, alt. 2570 m., *Forbes*, n. 2388. [9805]

8792 *C. ratongensis*, sp. n.; *C. Myosurus* var. *ratongensis*, C. B. Clarke, in Hook. f., Fl. Brit. Ind. vi. p. 723; et in Journ. Linn. Soc., Bot. xxxiv. (1898), p. 122. [9817]

8793 *C. Kingiana*, sp. n.; spicis 7-12, lineari-cylindricis 4-2 cm. longis, apice masculis, perlaxis, basi interruptis, utriculo imo saepe 4-7 mm. distante; stylo 3-fido; glumis foemineis apice triangulatis; utriculo 4-5 mm. longo (rostro incluso), oblongo-ellipsoideo, trigono fere glabro apice hispidulo; rostro cum $\frac{1}{4}$ parte utriculi vix aequilongo.

INDIA. Sikkim; Pheedong, (hb. King). [9828]

8794 *C. Kuekenthalii*, K. Schum. in Neumann, n. 35; gracilis, glabra, 7 dm. alta, foliis pluribus elongatis gramineis 7 mm. latis; paniculâ elongatâ, perlaxâ, oligostachyâ; spicis superioribus (maturis) 4-7 cm. longis vix $\frac{1}{4}$ mm. latis, apice masculis, basi foemineis; utriculis 8 mm. longis, anguste oblongis utrinque attenuatis, vix nervatis, minute sparsim pilosis, viridibus, cum glumâ caducis, rostro cum $\frac{1}{2}$ parte utriculi aequilongo, lineari, apice breviter 2-dentato.

Folia usque ad 6 dm. longa, 3-nervia 40-striatula, in margine minute dense scabra. Spicae pars mascula 10-15 mm. longa, brunea. Glumae foemineae utriculis breviores, elliptico-oblongae, scarioso-bruneae, deciduae. Stylus longus; rami 3, longi, rubro-brunei.

TROPICAL AFRICA. Gallahochland, alt. 3100 m., *Neumann*, n. 35. [9832]

Carex lapazensis, sp. n.; foliis 6 mm. latis, subtus furfuraceo-puberulis; spicis 3-4 cm. longis, 4 mm. latis, cinereo-fuscis; utriculo (quam *C. Jamesoni*) minore; ceteroquin ut *C. Jamesoni*. [Descriptio deest.]

BOLIVIA. La Paz (Callion), alt. 2750 m., *Pearce*. [9840]

C. perprava, sp. n.; culmo metrali, robusto, foliis elongatis 15 mm. latis, subtus dense papilloso-puberulis; paniculâ 3 dm. longâ, 8 cm. latâ, compositâ, densâ, nigrâ; spicis pernumerosis, 2-sexualibus apice masculis; glumis elliptico-lanceolatis, elongatis obtusis utriculos superantibus; stylo 3-fido vel 2-fido; utriculo parvo, ovoideo, subtrigono, levi, glabro, leviter obscure costulato; rostro cum $\frac{1}{2}$ parte utriculi subaequilongo, lineari-conico, levi, apice vix bifido; nuce perpravâ.

BOLIVIA. La Paz; Pelehuco, alt. 4000 m., *Pearce*. [9841]

C. consors, sp. n.; culmo apice triquetro, scabro, pedunculis scabris; utriculis rostro incluso $3\frac{1}{2}$ mm. longis, ellipsoideis, apice basique angustatis, validiùs nervatis; rostro parvulo anguste conico, ore parvo parum fisso; nuce interdum pravâ; ceteroquin ut *C. tuberculata*, Liebm.

Planta a *C. psilostachys* quam a spicis multo longioribus gracilioribus tam a bracteis inflorescentiam longe superantibus, conspicue diversa. *C. tuberculatae*, Liebm., pro var. forsan aestimanda; utriculi apex cum rostro differt.

MEXICO. Salazer, in montosis, *Pringle*, n. 4139. [9848]

8796
C. Jovis, sp. n. [in Contr. U.S. Nat. Herb. x. (1905) p. 470]; metralis et ultra; foliis 1 cm. latis subtus dense glanduloso-puberulis; inflorescentiâ 5 dm. longâ, pedunculis rigidis suberectis, corymbis rigidis angustis; spicis usque ad 3 cm. longis 4 mm. latis, pluribus basi foemineis apice masculis; glumis foemineis lanceolatis acutis, utriculos paullo superantibus; utriculo parvulo, rostro incluso 2-3 mm. longo, oblongo, trigono, levi, glabro, striato; rostro cum $\frac{1}{2}$ parte utriculi vix aequilongo levi altius 2-dentato; nuce oblongâ trigonâ. [Reliqua desunt.]

COSTA RICA. *Pittier et Tonduz*, n. 10757, (hb. Bruxell.). [9854]

595
C. uralensis, sp. n.; culmo 11 cm. longo, gracili; foliis 1-2 mm. latis, canaliculatis; inflorescentiâ 1 cm. longâ, 5 mm. [latâ] densâ, pallide ferrugineâ, 5-6-stachyâ, bracteâ basali vix ullâ; stylo 3-fido, ramis admodum villosis; utriculo triquetro, rostro anguste pyramidalis; antheris ut aristâ scabrâ mucronatis; ceteroquin *C. stenophyllae* similis.

WESTERN SIBERIA. Near the mouth of Ural river; in Lake Indersk, *Fischer*. [9859]

C. borneensis, sp. n.; culmo 4 dm. longo, mediocri, 6-stachyo; spicis distantibus, 2 cm. longis, lineari-lanceolatis, apice masculis, basi remote 5-6-utriculigeris; stylo 3-fido; utriculis (rostro incluso) 6 mm. longis, lineari-lanceolatis, trigonis, apice basique

angustatis, glabris; rostro cum $\frac{1}{2}$ parte utriculi aequilongo, lineari, apice inflato scarioso in altero latere alte fisso. *C. fusiformis*, O. Stapf, in Trans. Linn. Soc. Ser. 2, Bot. iv. (1894), p. 246.

Glabra. Folia cum culmo fere aequilonga 5 mm. lata, in margine levia. Bractee cum inflorescentiâ aequilongae ima 1 dm. distans vaginans; pedunculus imus 6 cm. exsertus setaceus. Spicae virides; pars mascula brevis, ferruginea. Glumae foemineae (mucrone incluso) utriculis breviores, scarioso-ferrugineae 1-nerviae. Utriculi leves, trigoni, fere sessiles, in unâquâque facie tenuius 4-nervati; in angulis superioribus parce scabri. Nux oblonga, trigona, utriculum implens.

BORNEO. Kinabalu, alt. 3500 m., *Haviland*, n. 1404. [9873]

C. setispica, sp. n.; flaccida; spicis ovoideis, densis, viridibus, 5 mm. in diam., ob glumarum aristas numerosas exsertas setosis; nuce ellipsoidea, aequaliter trigonâ, basi attenuata, apice subacute pyramidali-conicâ; ceteroquin ut *C. phalaroides*, Kunth.

Glumae foemineae numerosae, arcte stipatae, imo summae longe aristatae. Spicae pars mascula (vel sterilis) brevissima, ab aristis abscondita.

SOUTH BRAZIL. Prov. S. Catharina; Serra do Oratorio, *Ule*. [9892]

C. madoerensis, sp. n.; culmis 20–25 cm. longis, mediocribus, 3–7-stachyis; spicis omnibus sessilibus, apice masculis, 8–10 mm. longis, ovalibus, basi pauci-nucigeris, superioribus approximatis, imâ saepe 3–4 cm. distante; stylo 3-fido; utriculis ovalibus apice angustatis, undique densius pilosis, rostro cum $\frac{1}{2}$ parte utriculi aequilonga.

Rhizoma horizontale, crassum, nodosum, dense fibrillosum. Culmi approximati, apice triquetri paullo scabri, in parte inferiore glabri, apice supra spicam imam copiose hispiduli. Folia cum culmo aequilonga, 5–6 mm. lata, glabra, in margine granulosa vix scabra. Bractea ima 1 dm. longa; foliiformis, basi non vaginata. Spicae pars mascula ferruginea. Utriculi fusce virides, 4 mm. longi rostro incl., basi obpyramidatâ vix stipitatâ, leviter nervosi. Glumae foemineae cum utriculis aequilongae, ovatae acuminatae aut mucronatae, apice paullo pilosulae, tenues ferrugineae. Utriculi rostrum 2-dentatum. Nux utriculum exacte implens.

JAVA. Madoera Island, *Zollinger*, n. 1778 (hb. Vindob.). [9898]

C. curtiglumis, sp. n.; foliis subtus eglandulosis; spicis 5, terminali basi masculâ apice foeminea, imâ (in pedunculo 5 mm. longo 15 mm. distante) longâ 14 mm., latâ 4 mm.; utriculis rostro incluso 3 mm. longis, anguste ellipsoideis, 10-striatis, viridibus vix obscure granulatis; rostro vix ullo, ore integro; glumis utriculo brevioribus obtuse triangularibus; ceteroquin fere ut *C. Buxbaumii*, Wahlenb. *C. Buxbaumii*, Franchet! in Nouv. Arch. Mus. Par. sér. III. ix. (1897) p. 149 quoad plantam.

JAPAN. Soya, *Faurie*, n. 7230. [9951]

C. lonchosaccus, sp. n.; utriculis 5 mm. longis, oblongo-lanceolatis, in rostrum breve 2-dentatum acuminatis, non inflatis; ceteroquin ut *C. atrata*. *C. ustulata*, var. *macrogyne*, Regel! in Act. hort. Petrop. vii. (1880), p. 571.

Folia subtus eglandulosa. Spicae approximatae, terminalis 3 cm. longa, 1 cm. lata apice foeminea. Glumae saturate bruneae. Utriculi apice granulares, vix papilloso. An *C. Duthiei* var. *dahurica*? Differt spicis latioribus, colore, sed praesertim ob utriculi rostrum fissum. A. cl. Boott ad *C. atratam*, Linn. relata. Differt a *C. sabulosâ*, Turcz. ob utriculum in rostrum minus angustatum multo minus granulare, et folia latiora apice non caudata.

SIBERIA. Mts. Khamor, *Turczaninow*. TURKESTAN, Thianschan and Mts. Bogdo, alt. 2500 m., *Regel*. [9968]

C. infirma, sp. n.; culmis 3-5 dm. longis, infirmis; spicis 3-5, longis 2 cm. latis 4 mm., fusce viridi-bruneis, terminali basi masculâ apice foemineâ, imâ (in pedunculo 2-8 mm. longo) 2-3 cm. distante; utriculis $2\frac{1}{2}$ mm. longis, ellipsoideis, trigonis, glabris 6-8-nervatis, rostro parvulo glabro; nuce ellipsoideâ, trigonâ, utriculum fere implente. *C. sharensis*, Franch. fide numeri quodam errore; sed longissime remota.

Culmi graciles, apice trigoni, paullo minute scabri; vaginae inferiores cinnamomeae, non fimbriatae. Folia culmis vix breviora, 4 mm. lata, debilia, in paginâ inferiore minute glanduloso-pubescentia. Spicae solitariae, erectae subclaxiflorae; bractea ima cum inflorescentiâ aequilonga, foliiformis, non vaginans. Glumae foemineae vix 2 mm. longae, ellipticae, apice triangulares, bruneae, in dorso trinerviae virides. Utriculi sessiles, pallidi, rostri ore integro.

JAPAN. Shari Montes, *Faurie*, n. 5482; Mashike, *Faurie*, n. 8340. [10000]

C. albirostris, sp. n.; spicis 5, cylindricis, laxis, pallidis proventu albescentibus, terminali apice foemineâ, imâ in pedunculo 3-4 mm. longo suberecto; stylo 3-fido; utriculis ovoideis, inflatis, apice acuminatis, glabris; rostro oblongo-lineari, cum $\frac{1}{3}$ - $\frac{1}{2}$ parte utriculi aequilongo, proventu albo-scarioso, dentibus 2 lanceolatis; nuce quam utriculis multo minor.

Rhizoma robustum. Culmus 3 dm. longus. Folia inflorescentiam superantia, 5 mm. lata. Inflorescentia cum bracteis, fere ut *C. oxylepidis*, Torrey, sed spicae paullo latiores. Styli rami 3 longi, utriculo longiores. Utriculi sessiles, in humeris obscure remote hispiduli. Glumae foemineae cum utriculis subaequilongae, ovatae acuminatae, aristellatae.

TEXAS. *Dallas* (hb. DC.) [10031]

C. semiforsteri, sp. n.; spicis 5-9, terminali pro magna parte foemineâ, basi masculâ, usque ad 4-6 cm. longis; glumis foemineis (aristâ inclusâ) cum utriculi subaequilongis; utriculis anguste ellipsoidei, trigonis, viridibus aut fusce viridibus, $3\frac{1}{2}$ -4 mm. longis, utrinque angustatis, glabris 16-nervatis; rostro cum utriculi $\frac{1}{2}$ - $\frac{3}{4}$ parte fere aequilongo, dentibus 2 linearibus patulis.

C. Forsteri, Boott, *Carex*, t. 137, et in Hook. f. *Fl. New Zeal.* i., p. 285 partim, *i.e.*, diagnosi exclusâ.

NEW ZEALAND. *Stephenson*, n. 44, partim; *Hooker*, n. 4189; *Colenso*, n. 1622. KERMADEC ISLANDS, *Shakespear*, n. 1662.

[10048]

C. Rhynchachaenium, sp. n.; ex Merrill, New or Noteworthy Pl. IV. (1905) p. 5; hemiscaposa, innovationum foliis culmum superantibus, 3-4 mm. latis; spicis pluribus remotis, terminali masculâ 8 mm. longâ 1 mm. latâ; utriculis 5-6 mm. longis striis 15 pubescentibus; nuce ellipsoideâ trigonâ rostro crasse cylindrico; stylo vix ullo ramis 3, oblongis brevissimis.

PHILIPPINE ISLANDS. Luzon (Bataan), alt. 1100 m., *Elmer*, n. 6983. [10318]

C. delicatula, sp. n.; hemiscaposa, culmis 1-2 dm. longis, pergracilibus; spicis 3-4 parvis distantibus paucifloris 1 cm. longis scarioso-ferrugineis, terminali masculâ; bracteis scariosis circum culmum convolutis vix foliigeris; utriculis $2\frac{1}{2}$ mm. longis, ellipsoideis trigonis 16-striatis pilosis suberostratis (rostro depresso conico ore integro); nuce stipitatâ, trigonâ, quam utriculus parum angustiore.

Rhizoma pro plantâ robustum. Culmi subnudi. Folia basalia numerosa, culmos superantia, 1-2 mm. lata, fere glabra. Spicae inferiores 1-5 cm. distantes breviter pedunculati. Glumae elliptico-lanceolatae, utriculos longe superantes muticae, scariosae in dorso rubrae. Pedunculi microscopice pilosi. Utriculi iis *C. gifuensis* simillimi sed minores.

JAPAN. Ibuki, *Faurie*, n. 7799. [10368]

C. quasivaginata, sp. n.; spicis foemineis 8-12 mm. longis, ellipsoideis, paucifloris; utriculi rostro anguste oblongo, antice fisso; styli ramis 3, utriculo breviores; ceteroquin ut *C. vaginata*, Tausch.

Culmi 7-15 cm longi; quasi *C. vaginatae*, Tausch, forma arctica. Spica mascula pedunculata, latiùs oblonga. Exempla optima, ob rostrum utriculi longiùs a *C. subspathaceâ* distans.

NORWAY. Trondhjem, *Martins*, n. 144. [10424]

C. delicata, sp. n.; spicis 3-5 teneris, pallidis, terminali masculâ, foemineis linearibus laxis; imâ tenuiter pedunculatâ albo-viridi delicatâ; utriculis 2 mm. longis, ellipsoideis utrinque angustatis, trigonis, enervibus, luteo-viridibus rostro-conico parvo fisso scabro.

Glabra, levis, densius caespitosa. Culmi 2 dm. longi, graciles. Folia cum $\frac{1}{2}$ - $\frac{3}{4}$ parte culmi aequilonga, 3 mm. lata. Inflorescentia usque ad 10-16 cm. longa; bractea ima foliiformis, vaginans, inflorescentiâ brevior; pedunculus imus 2-3 cm. longus, raro 2 spicas gerens. Spica mascula parvula, 5-9 mm. longa, linearis, paullo clavata, stramineo-cinnamomea. Spicae foemineae 12 mm. longae, 3 mm. latae, multiflorae, basi saepe interruptae. Glumae foemineae utriculis breviores, ovatae obtusae, scariosae, in carinâ virides. Styli rami 3, utriculo breviores. Utriculus obscure inflatus; rostrum in facie convexâ, usque ad basin bifidum, margine altero superimposito. Nux obovoideo-oblonga, trigona, vix umbonata; stylo-basis linearis.

Species forsan ad *C. sylvaticam* affinis, sed multo gracilior.

SIBERIA. Nercjinsk, *Karo*, n. 385 (hb. Kew). [10461]

Carex Mariesii, sp. n. ; foliis angustissime linearibus (nec setaceis); glumis foemineis apice lanceolatis, cum utriculo aequilongis; utriculis rostro incluso 3 mm. longis, ellipsoideis trigonis, stipitatis, glabris; ceteroquin fere ut *C. mitrata*, Franch.

Differt a *C. ischne* ob folia linearia, utriculi rostrum multo longiùs lanceolatum.

JAPAN. Asamayama, *Faurie*, n. 8025; Nikko Mts., *Maries*. [10465]

C. ischne, sp. n. ; glabra, tenuissima, hemiscaposa, culmis setaceis, 10–15 cm. longis; spicis 3, terminali masculâ, foemineis distantibus sessilibus subbracteatis 4–7-nucigeris; stylo 3-fido; utriculis $1\frac{1}{2}$ –2 mm. longis, ellipsoideis, trigonis, glabris, rostro minimo.—*C. tenuissima*, Franch. et Savat. Pl. jap. ii. p. 147; *C. Fernaldiana*, Lév. et Van., *Carex Japon.* (1901–3) p. 47, quoad desc. mancam.

JAPAN. Ajigoku, *Bisset*. [10467]

C. jacens, sp. n. ; glabra, culmis apice triquetris nec setaceis; foliis basalibus cum inflorescentiâ subaequilongis, 4 mm. latis; spicis c. 4, distantibus, terminali masculâ; bracteis cum inflorescentiâ subaequilongis; spicis foemineis laxis, 5–8-nucigeris, utriculis 3– $3\frac{1}{2}$ mm. longis, rostro subconico inclusis.

Culmi 15 cm. longi in formâ typicâ (in *Faurie*, n. 482, 35 cm. longi). Folia caulina 5–8 cm. longa. Bracteae parum vaginantes, 3 mm. latae. Spica terminalis 6 mm. longa, pallida, pauciflora, breviter pedunculata. Spicae foemineae in pedunculis 0–12 mm. longis erectae. Glumae foemineae ovatae, breviter mucronatae, utriculis breviores, pallidae. Styli rami 3, utriculo multo breviores. Utriculi oblongo-ellipsoidei, virides, leves, vix nervati, trigoni; rostrum cum $\frac{1}{2}$ parte utriculi aequilongum conicum, apice 2-dentatum. Nux obovoidea, trigona, apice parvo; stylobasis minute bulbiformis.—Species ad *Hemiscaposas* accedens, ob bracteas longiores basi fere lineari-lanceolatas diversa. Speciei typus est *Faurie*, n. 28; *Faurie*, n. 482, exemplum magis evolutum, sed male conservandum, imperfectum, videtur eadem.

JAPAN. *Faurie*, n. 28; Tokyo, *Faurie*, n. 482, huc dubio relata est. [10468]

C. artinux, sp. n. ; spicis 4 paullo distantibus, terminali masculâ, inferioribus anguste cylindratis laxis; bracteâ imâ quam inflorescentia paullo brevior; glumis foemineis aristatis; utriculis $2\frac{1}{2}$ mm. longis, ellipsoideis breviter conico-rostratis; nuce utriculum implente apice in collum latum apice paullo dilatatum contractâ, productâ. *C. Heribaudiana*, Lév. et Van. *Carex Japon.* (1901–3) pp. 10, 45, fide numeri citat.

Fere glabra; obscurius hemiscaposa. Culmi 2– $3\frac{1}{2}$ dm. longi, graciles. Folia inferiora cum culmo subaequilonga 4 mm. lata. Spica mascula 15 mm. longa, castaneo-rubra, in pedunculo 1–2 cm. sustentata. Spica ima 2 cm. longa, 3–4 mm. lata, 1–5 cm. distans, in pedunculo 1 cm. longo suberecta. Bractea ima 3 mm. lata; vagina 5 mm. lata. Spicae foemineae basi subinterruptae. Glumae foemineae (aristâ inclusâ) utriculos superantes, ovatae, rubro-brunae, in

dorso viridi-trinerviae. Styli rami 3, cum $\frac{2}{3}$ parte utriculi aequilongi. Utriculi sessiles, trigoni, leves, glabri, obscure (aut vix) 6-nervati, apice angustati; rostro cum $\frac{1}{4}$ parte utriculi aequilongo, basi annulato, apice obtuso emarginato. Nux magna, sessilis, utriculum omnino inplens.—Ob nucem apice breviter rostratum, utriculi rostrum basi annulatum, bracteas cum inflorescentiâ fere aequilongas, species mihi videtur ad *C. manciformem*, Franchet, proxima. Inflorescentia autem cum spicis exempla minora *C. sylvaticae*, Hudson, revocant. *C. Heribaudiana*, Lév. et Van., descriptio non convenit.

JAPAN. Miyokosan, *Faurie*, n. 1106. [10548]

C. pseudofrigida, sp. n.; spicâ terminali saepe apice foemineâ; spicis foemineis usque ad 7–8 mm. latis; utriculis ovoideis admodum compressis, levibus, rostro parvo lineari; nuce parvâ, stipitatâ, cum $\frac{2}{3}$ – $\frac{1}{3}$ parte utriculi aequilatâ, ceteroquin ut *C. frigida*, Allioni. *C. frigida*, Benth. ! Pl. Pyrenées, p. 67 partim; *C. frigida* var. *pyrenaica*, Christ? in Bull. Soc. Bot. Belg. xxiv. II. (1885) p. 14.

Utriculi (cum nuce) iis *C. ustulatae* similes, sed apice glabri minime granulares. Bracteae foliaceae inflorescentiâ paullo breviores (neque ut in *C. ustulata* brevissimae vix foliaceae). Spicae iis *C. frigidae* latiores.

MEDITERRANEAN REGION. Hautes - Pyrénées; Pont de Benasque, *Bentham*, n. 209; Chihoul, *Bentham*, n. 1461; Val d'Hécu, *J. S. Mill*; Maladetta, *Spruce*, etc. [10584]

8825
C. pseudojaponica, sp. n.; scaposa, culmo 3–4 dm. longo, 4-stachyo; spicâ terminali masculâ; spicâ imâ 22 mm. longâ 7 mm. latâ, densâ, castaneâ; stylo 3-fido; utriculis rostro incluso 4 mm. longis, late ovoideis sub-4-angulis, lucide castaneis enervatis, rostro cum $\frac{1}{2}$ – $\frac{2}{3}$ parte utriculi aequilongo fere lineari; nuce primordialiter orientatâ, cum $\frac{1}{2}$ parte utriculi aequilatâ.

Glabra. Folia in basi culmi sita, 2 dm. longa, 6–7 mm. lata, viridia, plana, 22-striata, in margine minutissime denticulata. Spicae sparsae, ima 1 dm. distans; bracteae imae vagina 25 mm. lata ore integro, lamina 2 cm. longa, e basi 2 mm. latâ setacea; pedunculus imus 25 mm. exsertus. Spicae omnes erectae, terminalis 7 mm. lata, castanea. Glumae foemineae utriculis breviores, ellipticae apice triangulares vix acutae, castaneae, in lateribus scarioso-ferrugineae, in dorso angusto pallidiores minime 3-nerviae. Utriculi sessiles, glabri, leves, in rostrum subito angustati; rostrum apice brevissime 2-fidum. Styli rami 3, cum $\frac{2}{3}$ parte utriculi aequilongi. Nux oblongo-ellipsoidea, trigona. Species *C. gansuensi*, Franchet, affinis.

CALIFORNIA. Donner Lake, Sierra Nevada Mts., alt. 2750 m., *Heller*, n. 7187. [10609]

5520
C. behringensis, sp. n.; glabra, foliis 3–3½ mm. latis; spicis 3 nigris, distantibus, terminali masculâ, inferiorem pedunculis longis capillaribus; glumis foemineis utriculos superantibus, elliptico-lanceolatis vix acutis; stylo 3-fido: utriculis 3 mm. longis, multum compressis, papyraceis, apice in rostrum minutum integrum subito contractis, nec glandulosis nec granulatis.

C. fuliginosa, Seem.! Bot. Herald, p. 42, pro majore parte; *C. podocarpa*, Meinsh. in Act. Hort. Petrop. xviii. (1900) p. 352, partim.

KAMCHATKA. Konyambay, *Kjellman* ("podocarpa"). CANADA. Kotzebue Sound, *Seemann*. [10620]

C. pachyandra, sp. n.; spicâ terminali omnino masculâ, densâ, clavatâ; spicis foemineis 4-5, in pedunculis gracilibus nutantibus, basi angustatis interdum paullo interruptis, vix densis; ceteroquin fere ut *C. pseudo-atrata*, Meinsh.

Culmi 10-25 cm. longi; vaginae inferiores integrae. Folia usque ad 5-9 mm. lata, non glandulosa. Stylus ex utriculo exsertus; rami 3, utriculo parum breviores. Utriculi (non maturi) omnino ut in *C. atrata*, Linn.

CANADA. Rocky mountains; UNITED STATES. Oregon, 49° N.L. *Lyall*. [10626]

C. chilosaccus, sp. n.; spicis 3-4, distantibus, terminali parvulâ masculâ, foemineis cylindricis densis; bracteis foliiformibus, inflorescentiam longe superantibus; utriculis rotundatis; compressis, marginatis, erostratis, in parte superiore glanduloso-puberulis; nucè obovoideâ, sessili, primordiali-orientatâ, acute trigonâ.

Culmi 3 dm. longi, caespitosi, mediocres, in parte superiore fere leves. Folia cum culmis aequilonga, 6 mm. lata, in sicco plana, sub-3-nervia, in paginâ inferiore a glandulis rotundis densius inspersa. Spica mascula vix 1 cm. longa, ferruginea, in pedunculo 3-6 mm. longa (e spicâ foemineâ saepe superata). Spicae foemineae saepe 15 mm. longae, 5 mm. latae, fusce virides; ima saepe 5-7 cm. distans, in pedunculo 5-25 mm. erecta, e vaginâ 6 mm. longâ exserta. Utriculi 2 mm. longi; convexo-concavi, sessiles, ferruginei, apiculati non rostrati. Styli rami non visi; nux acutius trigona. Glumae foemineae cum utriculis subaequilongae, ovatae vix acutae, ferrugineo-virides.—Species *C. Trappistarum*, Franch., similis; spicula mascula omnino diversa est.

JAPAN. Sendar, Kashimadei, *Faurie*, n. 1102. [10630]

C. conspicua, Boott! MS. in herb. Kew.; sp. n.; spicis 4-6 sparsis, terminali masculâ 3 cm. longâ lineari, coeteris foemineis 4-8 cm. longis fusce viridibus; glumis foemineis ellipticis, interdum acuminatis, muticis; stylo 3-fido; utriculis rostro-incluso, 3½ mm. longis, sessilibus, ellipsoideis, levibus, glabris; rostro cum ¼ parte utriculi aequilongo, brevissime 2-dentato. *C. alsophila*, Benth.! Fl. Austral. vii. p. 447 partim.

Species *C. Gunnianae*, Boott, similis et affinis; differt imprimis ob glumas non cuspidatas, utriculos non glandulosos. Stolon pro plantâ tenuius.

AUSTRALIA. Victoria, Upper Tarwan River, *F. Mueller*; Mt. Bawbaw, alt. 1250 m., *F. Mueller*. [10682]

C. arakamensis, sp. n.; culmis 20-25 cm. longis; spicis 4, terminali masculâ; spicis foemineis 3 mm. latis, vix densis; utriculis 2 mm. longis, ovoideis, compressis, suberostratis, papyraceis; stylo 3-fido; nucè obovoideâ, trigonâ, quam utriculus paullo angustiore. *C. Tolmiei*, Boott! Carex, p. 100, partim; Franchet, in Nouv. Arch. Mus. Par. Sér. 3. ix. (1897), pp. 131, 159.

SIBERIA. Behrings Straits; Arakam Ins., *C. Wright*, n. 23. [10779]

C. microsaccus, sp. n.; culmo 35 cm. longo, mediocri; foliis cum $\frac{3}{4}$ parte culmi sub-aequilongis, 4 mm. latis; spicis 4, terminali masculâ; bracteâ imâ 55 mm. longâ, inflorescentiam superante; utriculis 1 mm. longis, globoso-trigonis, erostratis, vix nervatis, minute glandulosis, etiam a glandulis magnis rubris remote inspersis.

Rhizoma oblique repens, 2 mm. in diam. Folia in paginâ inferiore minute glandulosa, marginibus in sicco revolutis. Spicae 14 mm. longae, fusce bruneae, angustae. Spica ima erecta, pedunculo 25 mm. longo, vix 2 mm. lata. Glumae foemineae 1 mm. longae, ovatae, obtusae, fusce bruneae, fere concolores. Nux immatura plano-convexa; styli rami (non certe) 3.—Species *C. bidentulae*, Franch., proxima.

JAPAN. *Wilford*, n. 985 (hb. Kew). [10789]

C. Richmondi, Boott! MS. in herb.; gracilior, bracteâ imâ per angustâ inflorescentiam 6 cm. longam longissime superante; spicis 4 pallidis breviter pedunculatis, terminali masculâ; spicis foemineis 17 mm. longis, 5 mm. latis, densis; glumis foemineis aristellatis; styli ramis 3; utriculis rostro incluso 3 mm. longis, ovoideis a glandulis luteis immersis undique ornatis; rostro cum $\frac{1}{2}$ parte utriculi vix aequilongo, lineari-oblongo, dentibus 2 levibus, erectis, lanceolatis.—Utriculi cum utriculis *C. fissirostris*, J. Ball, arcte congruentes; bractee autem et habitus cum *C. comante*, Berggr. (speciebusque huic affinibus) consimiles.

Culmus 16 cm. longus, gracilior, apice levis parum trigonus. Bractea ima 25 mm. longa, 2 mm. lata, glabra in marginibus parce scabra, pallida, apice attenuata curvata, vagina 12 mm. longa; spica ima vix exserta. Spica mascula 2 cm. longa, pallide ferruginea; pedunculus 7 mm. longus; glumae aristellatae. Glumae foemineae mucrone incluso utriculos paullo superantes, in dorso pallide ferrugineo-virides sub-3-nerviae. Styli rami 3, crassiusculi, cum $\frac{1}{2}$ parte utriculi subaequilongis. Utriculi trigoni, basi obpyramidales, laxi vix inflati, apice angustati, leviter 8-10-nervati. Nux obovoidea, trigona, brunea, utriculo paullo angustior.—Species *C. comanti* (Neo-Zeelandicae) affinis, differt ob utriculos copiose glandulosos, rostri dentes longiores.

TASMANIA. *Oldfield*; Richmond, near the Coal River—(hb. Hooker). [10805]

C. ventosa, C. B. Clarke, in Cheeseman, Man. Fl. N. Z. p. 832, succinte descripta; robusta, inflorescentiâ 35 cm. longâ; spicis 8, pallidis, 4-7 cm. longis, 3 summis masculis; utriculis majusculis (rostro brevissimo incluso) 4 mm. longis, oblongo-ellipsoideis, trigonis, subsessilibus utrinque angustatis, stramineis, 12-nervatis, glabris; nuce oblongo-ellipsoideâ, trigonâ, nigrâ.

Glabra. Spicae foemineae in pedunculis 4-6 cm. exsertis erectae; vaginae 1-3 cm. longae. Bractee inflorescentiam perlonge superantes, 4-5 mm. latae. Utriculi, imo proventu, erecti, a glumis aristellatis stramineis superati; rostrum cum $\frac{1}{6}$ parte utriculi subaequilongum, dentibus 2-brevibus erectis.—*C. Neesianae* var. (?); utriculi autem angustiores, longiores.

CHATHAM ISLAND. *Travers*. [10826]

4836 *C. pleiostachys*, C. B. Clarke, ex Cheeseman, Man. Fl. p. 829 (pleiostachys); spicis 6, \arcte approximatis, 6 mm. latis, stramineis; ceteroquin ut *C. comans*.

Culmi (6 visi) 15 cm. longi, apice 6-stachyi. Folia plura 45 cm. longa. Inflorescentia 5 cm. longa —An *C. comantis*, Bergg. var.?

NEW ZEALAND. South Island, Lake Co., Milford Sound, T. Kirk, n. 1026. [10830]

8359 *C. felipensis*, sp. n.; glabra, culmis 9 dm. longis, pro longitudine graciles; bracteis inflorescentiam longe superantibus; spicis 5, terminali masculâ, foemineis cylindricis subsessilibus viridibus; utriculis 2–2½ mm. longis, obovoideis, trigonis, rostro perbrevis vix 2-fido.

Culmi in rhizomate tenuiore ligneo caespitosi, apice trigoni leves. Folia cum ⅔ parte culmi aequilonga, 4–5 mm. lata. Spicae omnes approximatae vel ima paullo remota; bractea ima 2 dm. longa, vix vaginans. Glumae masculae obtusae, rubro-bruneo-tinctae. Glumae foemineae ovatae, acutae, utriculis breviores. Utriculi subsessiles, subnerves, virides; rostrum cum ⅓ parte utriculi vix aequilongum. Nux trigona, utriculum fere implens.

MEXICO. Oaxaca, alt. 3,000 m. (San Felipe) Pringle, n. 4838. [10849]

C. vikingensis, sp. n.; foliis 3–4 mm. latis; spicâ masculâ lineari saepe subacutâ; nuce utriculum fere implente; utriculo vix marginato, in formâ typicâ subaequaliter trigonâ; rostro in marginibus levi vel parum scabro; ceteroquin ut *C. distans*, Linn.

— *C. distans* (?) Schkuhr, Riedgr. t. Yy fig. 68; Vahl, Fl. Dan. t. 1049; Sowerby, Engl. Bot. t. 1234; Host, Gram. Austr. i. p. 57, t. 77; Gooden. in Trans. Linn. Soc. ii. (1794) p. 178; Kunth, Enum. ii. p. 449 partim; Benth. ! Fl. Pyrénées, p. 67, &c.

C. dura, Gaudin, Fl. Helvet. vi. p. 107, in obs.

C. fulva, Benth. ! Fl. Pyrénées, p. 67, non Gooden.

C. binervis, Gren. et Godr. Fl. France, iii. p. 426; Nyman, Consp. Fl. Europ. p. 770 pro parte; &c.

Planta, fide cll. Syme, Boott, J. G. Baker, *C. distantis*, Linn. var. *maritima*. Planta in omnibus crepidinis (Vikar, anglicè Creeks), a Vikings frequentatis (neque alibi) vigens. Linnaeus *C. distantem* suam in plantâ in Europâ australi lectâ condiderat; postea, ad hanc speciem, plantas Gothlandicas (forsan recte) retulerat.— *C. vikingensis* quoad magnitudinem, ligulam, utriculi, rostrum, a *C. distante* vix differt. In *C. distante*, folia interdum angusta, spicae masculae interdum angustae, videndae sunt. In *C. vikingensi* typicâ, in “Vikar” frequens, utriculi subaequaliter trigoni, nux non primordialiter orientata, utriculi 2 nervi virides obsoleti vel perobscuri.

SWEDEN. Gothland bor., Afzelius. DENMARK. Copenhagen, Drejer; Holsatia, Drejer. NETHERLANDS. Zeeland, Vanderbosch. BRITAIN. Orkney, Syme; Shetland, Tate; Islay, Balfour; “Scotia, ad mare” Arnott; Forfar, (in litore maris), Gardiner, n. 4; Mull of Galloway, Balfour; Northumberland, (in

litore maris), *D. Oliver*; Anglesea, *Davies*; Yarmouth, *Turner*; Suffolk, *C. C. Babington*; Cornwall, *D. Oliver*; Hants, in "Vikar," *C. B. Clarke*, n. 47018; Isle of Wight, in litore, *Bromfield*. IRELAND. Dublin, *J. Ball*, n. 876. FRANCE. Paris (Enghien) *Maire*; Montpellier, (embouchure du Lez), *Bentham*; Nice, *Woods*; Bonifacio, *Kralik*, n. 826. ITALY. Venice, *Bentham*, n. 283; Genoa, (in muribus), *Gaudin*; Ventimiglia, *Bicknell*, n. 148a; Parma, *Jan*, n. 813. SPAIN. Gibraltar n. 657 (hb. Kew) Willkomm n. 886; Algarbe, *Welwitsch*; Murcia, *Bourgeau*. ALGIERS. Tiaret, *Munby*; Oran, *Munby*. ADRIATIC, *Campbell*. GREECE, Morea, *Fauché*. SYRIA, Zableh, *Poiteau*,? n. 73.

[10892]

C. pinguipes, sp. n., foliis inferioribus crassis spongiosis, in sicco convolutis transversim lineolatis; ceteroquin fere ut *C. vesicaria*, Linn. *C. rhynchophysa*, Trautv.! in Middendorf, Reise Fl. Ochotsk. (1847) p. 102; Meinsh. in Act. Hort. Petrop. xviii (1901) p. 373, pro parte; non C. A. Meyer.

C. vesicaria, C. B. Clarke! in Hook. f. Fl. Brit. Ind. vi. p. 740; et in Journ. Linn. Soc., Bot. xxxiv. (1898) p. 133.

Spicae semi-maturae usque ad 7 cm. longae 9 mm. latae. Spicae masculae 2-4. Utriculi (quam *C. vesicaria*, Linn.) minores, 4 mm. longi.

SIBERIA. Mare Ochotsk (herb. Petrop.).

INDIA. Kashmir, Mangan Pass. alt. 3500 m., *W. S. Atkinson* (hb. Kew). [10952]

C. vernicosa, Franch. MS.; glabra; stolonibus 1-2 dm. longis, gracilibus, a squamis linear-lanceolatis, pallide bruneis intectis; foliis bracteisque longis, flaccidis; utriculis rostro incluso 3 mm. longis apice angustatis; ceteroquin ut *C. flava*, Linn.

Culmi 15-30 cm. longi, graciles, apice trigoni, paullo scabri. Folia cum culmo saepe aequilonga, 4 mm. lata, plana, viridia, in margine arcte serratulo-scabra. Spicae 3-5, paullo distantes; terminalis mascula, 10-14 mm. longa, viridis aut lutescens, laxa, breviter pedunculata; caeterae foemineae, 1 cm. longae, densae, cuboideo-cylindricae, virides lutescentes; ima 3-5 cm. distans, sessilis aut 4-7 mm. pedunculata; bractea ima evaginata, inflorescentiam longe superans, foliiformis. Glumae foemineae cum utriculis vix aequilongae, ovatae, acutae, virides proventu stramineae. Styli rami 3, cum utriculo fere aequilongae. Utriculi sessiles ovoidei, maturati rectangulatum divaricati vix deflexi; virides proventu lutescentes; nervi c. 10, saepius obscuri, interdum magis conspicui. Rostrum cum $\frac{1}{3}$ parte utriculi subaequilongum basi conicum, apice 2-dentatum leve. Nux ovoidea, trigona, brunea, apice basique acutius pyramidata; stylo-basis linearis.

JAPAN. Tōkyō, *Faurie*, n. 528 ("punctata, Gaud.") Yezo, *Faurie*, nn. 4780, 4781, Hakodate, in montibus, *Faurie*, n. 4495, Monbetsu colles, *Faurie*, n. 655. [10975]

C. Hooker-Grayi, sp. n.; spicis foemineis maturis 4 cm. longis 6 mm. latis, densis, cylindricis, stramineis; glumis foemineis (aristâ longâ hispidâ sub-alopeuroideâ inclusâ) utriculos superantibus; utriculis 2-2 $\frac{1}{2}$ mm. longis, lata ovoideis, inflatis, stramineo-luteis; ceteroquin ut *C. utriculata*, Boott.

Exemplum unicum inscriptum "*C. ampullacea*, Gooden. Dr. B[oott] autem dixerat squamae inferiores nunquam aristatae." Utriculi perparvae, glumarum aristae paullo dilatatae, undique densius hispidae.

COLORADO. In udis montosis, *J. D. Hooker et A. Gray.*

[11031]

C. aequa, C. B. Clarke; rhizomate ligneo horizontali; culmis 5-6 dm. longis, gracilibus; foliis $2\frac{1}{2}$ -3 mm. latis; spicis 3-5, sessilibus, sparsis, terminali masculâ sessili; stylo 3-fido; utriculis (rostro incluso) vix 3 mm. longis ellipsoideis, trigonis, levibus glabris.

1775 *C. fulva* var. *Hornschuchiana*, W. Boott, in S. Wats. Bot. Calif. ii. p. 228, 250.

1814 *C. Lemmoni*, L. H. Bailey, in Proc. Amer. Acad. xxii (1886) p. 112. non W. Boott; *C. Lemmoni*, W. Boott, in Coult. Bot. Gaz. ix. (1884) p. 93. est planta caespitosa foliis lineari-lanceolatis.

CALIFORNIA. San Mateo, *Baker*, n. 811.

[11032]

C. Sonderiana, Boott, MS.; foliis 4-5 mm. latis; spicis 4-5 cylindricis, terminali masculâ, 3 superioribus approximatis, imâ remotâ subsessili; utriculis rostro incluso $3-3\frac{1}{2}$ mm. longis, praeter rostri dentium margines interiores levibus. *C. polysticha*, Boeck. ? in Kjöb. Vidensk. Meddel. (1869) p. 157, et in Linnaea, xli. (1877) p. 322 e descript.

Culmi mediocres, in rhizomate tenuiore caespitosi 4-6 dm. longi, apice trigoni fere leves. Folia cum culmo saepe aequilonga, fere glabra, in sicco plana vel marginibus recurvatis. Spica mascula 3 cm. longa $2-2\frac{1}{2}$ mm. lata, brunea, subsessilis. Spicae foemineae 2-3 cm. longae, 5-7 mm. latae, densae, fusce brunee, utriculis oblique erectis. Bractea imâ saepe 10-15 cm. distans, vaginata, inflorescentiam superans, foliiformis; pedunculus imus vaginâ vix exsertus. Glumae foemineae ovato-triangulares, utriculis breviores, apice acutae vix mucronatae vix ciliatae. Styli rami 3, cum $\frac{1}{2}$ parte utriculorum subaequilongi. Utriculi angustius ellipsoidei, trigoni vix inflati, utrinque angustati, leves, glabri, 7-9 nerves; rostrum cum $\frac{1}{2}$ parte utriculi subaequilongum, in marginibus leve, dentes 2 lanceolati, suberecti. Nux latius ellipsoidea, trigona, utriculo parum angustior.

BRAZIL. Minas Geraes, Caldas, *Widgren*, n. 833 (*Boottii* typus); Brazil, alt. 2000 m., *Ule*, n. 3771; Lagoa Santa, *Warming* (non a me visa, i.e., *polysticha*, Boeck.).

[11047]

C. tessellata, Spruce! MS.; spicâ masculâ 1 sessili, parvâ; utriculis, $3-3\frac{1}{2}$ mm. longis, 7 nervatis; ceteroquin ut *C. acutata*, Boott.

C. acutata, Boott, Carex, p. 138, partim, t. 446; Kuek. in Engl. Bot. Jahrb. xxvii. (1899), p. 548 partim.

Rhizoma robustum repens; culmi solitarii 6 dm. longi. Spicae 4-5 admodum approximatae. Utriculi brevissime stipitati, oblongo-ellipsoidei. Si mavis *C. acutatae*, Boott, var. sed cum hâc non omnino congruens.

ECUADOR. Valle de Leite, *Spruce*, n. 5939.

[11058]

277
C. pamirensis, sp. n.; metralis, foliis fere 1 cm. latis, crassis, non transversim lineatis; vaginis basalibus incrassatis lucidis pallido bruneis, non transversim lineatis; utriculis 4 mm. longis, ovoideis apice subconicis, tenuiter longitudinaliter striatis, proventu rubentibus coriaceo-chartaceis vix subbaccantibus; rostro cum $\frac{1}{4}$ – $\frac{1}{3}$ parte utriculi aequilongo, lineari, apice subintegro aut vix bilabiato; utriculis multum inflatis, nuce obovoideâ trigonâ, cum $\frac{1}{2}$ parte utriculi vix aequilatâ.

Spicae masculae 3, magnae, bruneae; foemineae 3–4 densae; pedunculus imus 1–3 cm. longus. Glumae foemineae cum utriculis aequilongae, ellipticae apice triangulares, muticae, purpureo-bruneae, styli rami 3.—Differt a *C. rhynchophysa*, C. A. Meyer, ob utriculos erecto-patulos, rostro multum brevior apice vix 2-dentato.

TURKESTAN. Pamir, *Kuschakewitsch* (hb. Petrop.). [11145]

8844
C. Halei, L. H. Bailey, MS. in herb. Kew.; culmo 3–4 dm. longo; foliis 4–5 mm. latis; spicis 3–4, distantibus, terminali masculâ 1 longius pedunculata, foemineis ovoideis nigro-olivaceis sub-7-nucigeris; utriculis rostro incluso 1 cm. longis ovoideis inflatis. *C. Halei* var. *minor*, Boott! *Carex*, p. 94.

C. louisianica, L. H. Bailey, differt ob spicas foemineas cylindricas non luride plumbeas et magnitudinem. *C. intumescens*, Rudge, differt ob spicas approximatas utriculos paullo majores.

UNITED STATES. Florida; Apalachicola River, *Chapman*; Missouri, Campbell, *Bush*, n. 674 (*louisianica*). [11279]

SPECIES OF UNCERTAIN AFFINITY.

C. violacea, sp. n.; spicis in capitulum densum pyramidale nudum nigricans condensatis, basi masculis; stylis 3-fidis, utriculis lata ellipsoideis inflatis glabris levibus estriatis nigro-violaceis, rostro brevissime.

Culmi 2–4 dm. striati, apice triquetri paullo scabri. Folia pauca, cum $\frac{1}{2}$ parte culmi vix aequilonga, lata 3–4 mm. plana, suberecta. Inflorescentia longa 16 mm., lata 12 mm., obscure trifida, densissima. Glumae nigro-purpureae ovatae vix acutae carinâ pallidiore. Utriculi glumis multo longiores, obscure trigoni; rostrum breviter cylindricum leviter emarginatum. Nux obovoidea, acute trigona, utriculo multo minor.

CALIFORNIA. Rocky Mountains, Lat. 39° 41', *Hall et Harbour*, n. 587. [11314]

C. [seposita], sp. n.; spicis 1 masculâ foemineis 2 approximatis cylindricis densifloris castaneo-bruneis; stylis 3-fidis; utriculis ovoideis trigonis enervosis levibus minute granularibus, rostro lineari-cylindrico mediocri, ore obliquo subintegro.

Culmi 2 dm., triangulares, leves. Folia cum culmo subaequilonga 3 mm. lata. Spica terminalis mascula longa 2 cm. lata 5 mm. densa; glumae oblongo-obovatae, apice triangulares subacutae, bruneae, in carinâ virides. Spicae foeminae longae 2 cm. latae 5 mm. lucidae; pedunculus imus 2 cm. longus erectus; bractae

culmo parum breviores non vaginatae. Glumae foemineae ovato acuminatae, in margine non scariosae, castaneo-brunea, apice triangulari acutâ tenui bruneâ, in dorso viridi-3-nerviae, nervis sub apice desinentibus. Utriculi immaturi glumas subsuperantes; rostrum teres leve non granulare; celluli extimi corporis utriculi granulares laxè subpapilloso; styli rami cum $\frac{2}{3}$ parte utriculi aequilongi. [Probabiliter *C. alopecuroidem* D. Don, i.e., *C. japonicam* appropinquat.]

INDIA. Himalaya occidentalis, Choor, n. 118/111 (hb. *Royle*).
[11509]

C. Eloyi, sp. n.; spicis terminalibus 3 approximatis masculis lucide bruneis, 2 foemineis distantibus pedunculatis late oblongis; stylis 3-fidis; utriculis plano-convexis paullo incurvatis levibus, rostro mediocri in lateribus scabro apice in altero latere fisso.

Rhizoma robustum. Folia basalia numerosa rigida, longa 2-3 dm. lata 5-7 mm., carinata. Culmi 4 dm. longi, robustiores, apice triangulares, paullo scabri; remote foliati. Folia caulina culmo breviora, vaginata. Spicae masculae longae 10-15 mm. latae 5 mm. Glumae ovatae vix acutae, in dorso pallidiores. Spicae foemineae longae 15-20 mm. latae 7-8 mm., castaneae, subnutantes; pedunculi longi 2-3 cm.; bractee culmo multum breviores vaginatae. Glumae ovatae obtusae, castaneae in dorso luteo virides. Utriculi cum glumis aequilongo flavo-virides, vix striati. Nux oblongo-obovoidea, acute trigona.—*C. brevicollis* DC. simillima, sed spicae 3 masculae, glumas obtusas ostendit; forsitan inter *C. brevicollem* et *C. firmam* vel *C. sempervirentem* ponenda.

ORIENT. Cappad ad Euphratem, *Aucher-Eloy*, n. 3784.
[11534]

C. nagasakensis, sp. n.; spicis linearibus laxiusculis masculâ 1 foemineis 3-6 approximatis aut distantibus; stylis 3-fidis; utriculis ellipsoideis trigonis multistriatis glabris in rostrum mediocre ore subintegro angustatis.

Species *C. sylvatica*, *C. finitima*, et *C. debilis* proxima.—Culmi plures 2-3 dm. longi, fere usque ad apicem foliati et vaginis intecti. Folia culmum multo superantia, lata 5-6 mm. Spica mascula longa 3 cm. lata 1-2 mm., straminea. Spicae foemineae longae 4 cm. latae 3 mm. breviter pedunculatae erectae; bractee foliiformes, culmum multo superantes, vaginatae. Glumae ovatae vix acutae, stramineo-scariosae, in dorso viridescentes. Utriculi glumas multo superantes, cinereo-fuscae; styli rami breviter exserti. Nux oblongo-obovoidea trigoni.

JAPAN. Nagasaki, *Maingay*, n. 790 (typica).

C. Seckeri; spicis masculâ 1 foemineis 2-3 paullo distantibus, cylindricis lucide rubro-bruneis; stylis 3-fidis.

Rhizoma perenne elongatum, multum divisum. Culmi juniores 1-2 dm. longi, tenuiores, foliis caulinis brevibus. Folia basalia numerosa, culmum longe superantia, lata 2 mm. Spica mascula longa 15 mm. lata 2 mm. densiuscula; spicae foemineae juvenes consimiles, paullo minores. Glumae ovatae obtusae lucide purpureo-spadiceae, margine nitide scarioso.

CENTRAL ASIA (?). Herb. Prescott, legit *Secker*. [11537]

ADDENDA. 1799

601 **Mariscus Grayii**, C. B. Clarke ; *Cyperus Grayii*, Torr. in Ann. Lyc. New York, iii. (1836), p. 268. [2339]

55- **M. ustulatus**, C. B. Clarke ; *Cyperus ustulatus*, A. Rich., Fl. Nouv. Zél., p. 101, t. 17. [2504]

3 **Scirpus basilaris**, C. B. Clarke ; *Isolepis basilaris*, Hook. f. Handb. N. Zeal. Fl., p. 302. [4493]

S. dichromenoides, C. B. Clarke ; culmis 1-4 cm. longis, monocephalis ; foliis plurimis, rigidis, recurvatis, basi dilatatis ; spiculis 5-12, dense capitatis, puberulis ; setis 0 ; stylo 2-fido ; nuce non visa.

Dichromena sp. Benth. MS. in hb. Kew ; cf. Benth. et Hook. f. Gen. Pl. iii., p. 1048, in notâ ad *Dichromenam* adjunctâ.

VENEZUELA. Prope Maypures, in arenosis fluminis Atabapo inundatis, *Spruce*, n. 3708. [4497]

S. montevidensis, C. B. Clarke ; *Eriophorum montevidense*, Link, Hort. Berol. i., p. 331 ; ii., p. 325. [4592]

S. chubutensis, sp. n. ; culmo 1 dm. longo, erecto, simplice, a foliorum vaginis usque ad apicem tecto ; inflorescentiâ compositâ sessili, e 3-2 spicis compositis instructo ; setis hypogynis 4, inaequalibus ex his uno nucem saepe superante ; stylo longo, ramis 2 longis ; nuce obovoideo compresso, in parvum apicem linearem subito angustato.

Culmi basis cylindrica, subcrassiuscula, ob vaginas emarcidas fere nuda. Folia 4 cm. longa, patula, subpersistencia. Spica unaquaque 1 cm. longa, ellipsoidea, straminea, e spiculis pluribus dense congesta. Gluma 5 mm. longa, elliptico-lanceolata, tenuis fere scariosa. Stylus paullo supra apicem nucis decidua.

ARGENTINA. Chubut, Laguna Blanca, *Koslowsky*, n. 73. [4666]

S. potosiensis, C. B. Clarke ; *Cyperus potosiensis*, Britton ! in Trans. New York Acad. xi. (1892), p. 77. [4748]

Rynchospora marginata, C. B. Clarke ; culmo 3 dm. longo, gracili ; bracteis monocephalo ; bracteis caput longe superantibus ; setis 6, subaequilongis, scabris ; nuce oblongâ, nigro-bruneâ, setulosâ, in marginibus superioribus luteo-marginata.

81 *Rynchospora tenuifolia*, Benth. Fl. Austral, vii., p. 350, quoad descriptionem nucis.

AUSTRALIA. *R. Brown* (in hbb. Kew. Berol.) ; North Coast. *R. Brown*, n. 5993 pro parte (in hb. Mus. Brit.). [5656]

R. Trichochaeta, C. B. Clarke ; capite polystachyo, densiusculo ; nuce latius obovoideâ, levi vel apice minutissime scabrâ, fusce stramineâ.

11 *Trichochaeta tenuis*, Steud. ! Cyp., p. 156. [5680]

503 **R. Pringlei**, C. B. Clarke ; perpusilla, glabra ; capitulis 1-2 stachyis ; spiculis 1-4 nucigeris ; nuce parvulâ, obovoideâ, griseo-viridi, rostro in nuce depresso.

Culmi caespitosi, 1-4 cm. longi, monocephali; radices tenues fibrosae. Folia 1-2 cm. longa, lineari-setaceae. Spiculae 2-3 mm. longae; bractee usque ad 10-15 mm. longae, suberectae, cum foliis consimiles, basi vix dilatatae. Spiculae c. 10 glumae; glumae undique imbricatae, ovatae, acutae aut mucronulatae, ima saepius vacua pallida aut tenuiter membranacea, 2-3 sequentes, saepius nucigerae proventu patulae, superiores 4-5 brunescens erectae imbricatae, masculae aut steriles. Stylus tenuis, ramis 2 linearibus. Nux $\frac{1}{2}$ mm. longa, subturgida, apice angustata, basi viridi. [*R. Clarkei*, Rose in Contr. U.S. Nat. Herb. x. (1908), p. 464.]

MEXICO. Jalisco, *Pringle*, n. 2319. COSTA RICA. Buenos Aires, alt. 200 m. *Pittier*, n. 10585. [5985]

Rynchospora prolifera, C. B. Clarke; *Leptoschoenus prolifer*, Nees! in Hook. Journ. Bot. ii. (1840), p. 393. [6104]

R. metralis, sp. n.; glabra, robusta, spiculis innumerosis, subfasciculatis, fusce ferrugineis; setis 6, usque ad apicem rostri attingentibus; stylo alte 2-fido; nuce obovoideo-globosâ, levi, bruneâ; rostro cum $\frac{1}{3}$ parte nucis vix aequilongo, late conico.

Rhizoma decumbens (breve) ligneum. Culmus metralis et ultra, trigonus, per totam longitudinem nodosus. Folia saepe 5 dm. longa, 5-8 mm. lata, plana, marginibus leviter recurvatis, fere levia, lenta. Panicula 5 dm. longa, corymbi 4-5 remoti, pedunculata, 60-120-stachyi, densi, 5 cm. in diam. ramis adscendentibus, spiculae 5 mm. longae, oblongae proventu ellipsoideae, 1-2 nucigerae. Glumae ovatae, apice triangulares vix acutae, inferiores obscurius mucronatae. Setae cinnamomeo-rubrae, antice scabrae. Nux 1 mm. longa, cum $\frac{2}{3}$ parte glumae subaequilonga, turgida, sessilis, apice truncata paullo angustata; cellulae extimae quadrato-rotundae, ideoque nux vix obscure undulata; rostrum cum apice nucis aequitatum, albidum proventu fuscens; styli rami longe lineares parte indivisâ styli longiores. Species ab omnibus aliis remota, sed forte latet inter *Calyptrostylidas* ab auctoribus descriptas, et reverâ ad has affinior.

BRAZIL. Prov. Rio Negro; *Spruce*, n. 1260 (hb. Kew). [6106]

R. flexuosa, sp. n.; glabra, parva, culmis foliisque setaceis, prope ad apicem 1-7 spiculis; spiculis parvulis, solitariis, 1-nucigeris; stylo alte 2-fido; nuce ovoideâ, compressâ, distincte transverse undulato-rugosâ, pallide bruneâ, rostro parvo triangulari nigrescente; setis 6, rigidiusculis, pallidis, antice scabris, cum $\frac{1}{2}$ parte nucis vix aequilongis.

R. tenerrima var. *flexuosa*, Boeck. ! MS.

Culmi caespitosi, 10-18 cm. longi, non annui. Folia culmis parum breviora. Corymbi 1, vel vix 2, approximati, 10-15 mm. longi, depauperati, pedicellis setaceis; bractea, quasi culmum continens, corymbum superans. Species *R. tenerrimum*, Boeck. non Nees, = *R. pallidam*, M. A. Curtis, simulans, sed nux omnino diversa.

BRAZIL. S. Catharina, *Ule*, n. 1935. [6198]

5856 **Schoenus Carsei**, Cheesem. Man. N. Z. Fl., p. 781 (1906); glabra, foliis subnullis; paniculâ gracili, compositâ, oblongâ, laxâ, 20-stachyâ; spiculis castaneo-rubris, gracilibus; setis 0; stylo 3-fido; nuce ellipsoideâ, marmoreo-albâ, levi. [Descriptio deest.]

NEW ZEALAND. North Island, Khangar Harbour, *Carse*; *Cheeseman*, n. 1670. Swamps at Papatoitōi, *T. Kirk*, n. 20, cum *Junco mixta*. [6488]

S. juvenis, sp. n.; culmis 4 dm. longis, strictis, nodosis, gracilioribus; foliis 2-3 dm. longis, 1 mm. latis, glabris, vaginis nigris in ore pilosis; paniculâ 2 dm. longâ, angustâ, laxiusculâ; spiculis perjuvenilibus, 1 cm. longis, linearibus, nigro-castaneis; glumis in margine albo-lanatis. *S. sparteo*, R. Br. affinis.

NEW CALEDONIA. Paita, alt. 1000 m. *Schlechter*, n. 14920, 14934. [6501]

Cladium Drummondii, C. B. Clarke; foliis xiphoideis, 1-2 cm. latis; paniculâ amplâ, effusâ, stylo 3-fido; nuce breviter stipitatâ, subtrilatâ, rostro brevi subconico, pilosulo.

C. Preissii, Benth. ! Fl. Austral. vii., p. 405 pro parte.

Culmus 1-2 metralis. Folia basalia, equitantia, fere metralia. Panicula 4-5 dm. longa, bractea ima 3-15 cm. longa; pedunculi 3-4 ex unâquâque bracteâ, elongati, cum ramulis minute scabri. Spiculae 1-4-nim fasciculatae (fasciculi innumerosi), 3 mm. longae, ferrugineo-brunneae, scabro-puberulae, saepius 1-nucigerae. Glumae florigerae ovatae, vix acutae, carinatae, vix striatae, cum 2-3 glumis inferioribus vacuis subaequilongae. Nux parvula, c. 1 mm. longa, pallide brunea, stipite cum $\frac{1}{3}$ parte nucis subaequilongâ, obpyramidali, nucis costis 3 usque ad stipitis basin decurrentibus; rostrum cum $\frac{1}{2}$ parte nucis propriae subaequilongum. Species *Vincentiis* magnis simillima, et forsan in sectione *Vincentia* potius ordinanda.

AUSTRALIA. *Caley*; Swan River, *Drummond*. [6644]

C. Vauthiera, C. B. Clarke; culmo longo mediocri, conspicue tetragono; foliis 0-6 cm. longis; paniculae in spicam brevem compositam congestâ; setis minutis, albidis; stylo 3-fido; nuce subglobosâ, breviter substipitatâ, rostro ovoideo-conico, minute pilosulo.

Vauthiera australis, A. Rich. ! Voy. Austral. p. 107, t. 20.

NEW ZEALAND. *Stephenson*, n. 43. North Island, Pakiri, *T. Kirk*, n. 100. Auckland, *Colenso*, nn. 4349, 6566, *Cheeseman*, n. 171. Taupo, *Cartwright*, *Berggren*. Nelson, *Sinclair*. Tolaga, in litore maris, *Banks et Solander*. Akawa, *Raoul*, n. 220. [6701]

Lepidosperma Benthamianum, C. B. Clarke; culmo gracile, subpaniculâ plus minus compresso; paniculâ elongatâ compositâ, ramis ramulisque numerosis; spiculis (saepe fasciculatis) 3-5 mm. longis; setis ecaudatis, $\frac{1}{2}$ parte nucis brevioribus; stylo 3-fido; nuce 2-3 mm. longâ, trigonâ vix rugosâ.

L. gracile, Benth. Fl. Austral. vii. p. 396 syn. omnibus exclusis.

AUSTRALIA. Swan River *Drummond*, nn. 119, 870, 873, 876 (hb. Delessert). [6772]

Gymnoschoenus anceps, C. B. Clarke; *Chaetospora anceps*, R.
Br. Prod. p. 233. [6976]

125. **Scleria mayottensis**, sp. n.; nuce majusculâ, ovoideâ, obscure reticulatâ, albâ, a pilis longis albis tenuissime inspersâ; disci lobis 3 exterioribus late transversim oblongis albis reflexis, 3 interioribus e basi brevissimâ late transversim oblongâ linearibus oblongâ linearibus albis erectis cum $\frac{1}{4}$ parte nucis aequilongis; ceteroquin ut *S. glandiformis*, Boeck.

Rhizoma non visum. Culmi 8 dm. longi, tenuiores. Folia longa, 6 mm. lata. Inflorescentia tenuis, ramis admodum distantibus, tenuibus, parum divisio, pauciflori. Nux quam in *S. glandiformi* minus longa.

MAYOTTE. *Boivin*, n. 3043 (hb. Delessert). [7605]

Carex subtransversa, sp. n.; glabra, mediocris, foliis cum culmo aequilongis, 3-4 mm. latis; spicis 3-4, imâ plus minus remotâ, summâ masculâ; bracteis inflorescentiâ vix brevioribus; utriculis (rostro incluso) $2\frac{1}{2}$ mm. longis, globoso-trigonis, 5-8-nervatis, glabris, luride viridibus, in rostrum subito angustatis; rostro cum $\frac{2}{3}$ parte utriculi aequilongo, fere lineari, paullo obliquo; stylo 3-fido.

Stolon gracilior adest. Culmi 2-3 dm. longi. Spicae foemineae 2 cm. longae, 4 mm. in diam., cylindricae, utriculis maturis oblique erectis; pedunculi 3-7 mm. exserti; bracteae 2 mm. latae, parum vaginatae. Spica mascula 18 mm. longa, anguste linearis. Differt a *C. transversa*, Boott, utriculis multo minoribus suberectis.

PHILIPPINES. Luzon, Benguet, 2200 metr. *Merrill*, n. 4730.
[10967]

Enumeration of species according to the manuscript arrangement of C. B. Clarke, with his numbers and divisions so far as can be determined from his notes.

The unnumbered residuary species whose position was left undetermined by him, have not been included, except the five species of *Carex* at the end of the list.

CYPERACEAE, DC.

Subordo I. SCIRPO-SCHOENEAE.

Flos nuciger bisexualis.

Tribus I. Cypereae.

1. KYLLINGA, Rottb.

Subgen. I. *THRYOCEPHALUM*. Glumae nucigerae in carinâ cristatae. Spicula 1-nucigerae.

**Rhizoma breve aut nullum.*

1. *K. squamulosa*, Vahl. 2. *K. controversa*, Steud.
3. *K. alba*, Nees. 4. *K. nigritana*, C. B. Clarke.

***Rhizoma elongatum.*

5. *K. monocephala*, Rottb. 6. *K. planiculmis*,
C. B. Clarke.

Subgen. II. *EU-KYLLINGA*. Glumae nucigerae in carinâ non cristatae. Spiculae 1-nucigerae.

**Rhizoma elongatum repens.*

7. *K. brevifolia*, Rottb. 8. *K. intermedia*, R. Br.
9. *K. pauciflora*, Ridl. 10. *K. erecta*, Schum.
11. *K. sphaerocephala*, Boeck.

***Rhizoma horizontale, crassum. Plantae majusculae.*

12. *K. crassipes*, Boeck. 13. *K. elatior*, Kunth.
14. *K. polyphylla*, Kunth. 15. *K. teres*, C. B. Clarke.
16. *K. senegalensis*, C. B. Clarke. 17. *K. melanosperma*, Nees. 18. *K. pungens*, Link. 19. *K. peruviana*,
Lam.

****Rhizoma vix ullum ; culmi basi incrassati.*

20. *K. chlorotropis*, Steud. 21. *K. parvula*, C. B.
Clarke. 22. *K. bracheilema*, Steud. 23. *K. nervosa*,
Steud. 24. *K. triceps*, Rottb. 25. *K. microstyla*,
C. B. Clarke.

*****Rhizoma vix ullum ; culmi basi vix incrassati.*

26. *K. flava*, C. B. Clarke. 27. *K. pumila*, Michx.
28. *K. cylindrica*, Nees. 29. *K. odorata*, Vahl.
30. *K. robusta*, Boeck.

Subgen. III. *PSEUDO-PYCREUS*. Spicula 2-pluri-nucigera. Glumae nucigeræ in carinâ non cristatæ.

**Spiculae 2-1- (rarissime pluri-) nucigeræ.*

K. ruwenzorensis, *C. B. Clarke*. 32. K. chrysantha, *K. Schum.* 33. K. pulchella, *Kunth*. 34. K. tetragona, *Nees*. 35. K. Lehmanni, *Nees*. 36. K. oblonga, *C. B. Clarke*. 37. K. bulbocaulis, *Boeck.* 38. K. Buchanani, *C. B. Clarke*. 39. K. exigua, *Boeck.*

***Spiculae 2-5-(sæpe 3-4-) nucigeræ.*

40. K. albiceps, *Ridl.* 41. K. macrocephala, *A. Rich.* 42. K. leucocephala, *Boeck.* 43. K. eximia, *C. B. Clarke.*

2. PYCREUS, Beauv.

Subgen. I. *ZONATAE*. Nucis superficiei cellulae extimæ longitudinaliter oblongæ. Nux ob cellularum extremitates prominentes, transversim (plus minus undulato-) lineolata.

**Annuae.*

1. P. flavescens, *Reichb.* 2. P. intermedius, *C. B. Clarke.* 3. P. stramineus, *C. B. Clarke.* 4. P. Rehmannianus, *C. B. Clarke.* 5. P. debilissimus, *C. B. Clarke.* 6. P. potosiensis, *C. B. Clarke.** 7. P. piceus, *C. B. Clarke.** 8. P. pauper, *C. B. Clarke.*

***Culmus basi decumbens aut sæpe biennis.*

9. P. tristachyus, *C. B. Clarke.** 10. P. latespicatus, *C. B. Clarke.* 11. P. malabaricus, *C. B. Clarke.* 12. P. segmentatus, *C. B. Clarke.** 13. P. subtrigonus, *C. B. Clarke.* 14. P. macranthus, *C. B. Clarke.*

Subgen. II. *RETICULATAE*. Nucis superficiei cellulae extimæ omnes subquadratae. Nux minute reticulata aut granularis, levis (vel in *P. divulso*) rugosa.

Sect. I. *VESTITAE*. Culmus basi decumbens; usque ad $\frac{1}{3}$ - $\frac{1}{2}$ partem altitudinis a vaginis sæpe intectus; nodi foliigeri sæpe longe supra basin culmi siti. Umbella simplex aut monocephala.

15. P. sanguinolentus, *Nees.* 16. P. atronervatus, *C. B. Clarke.* 17. P. Mundtii, *Nees.* 18. P. atropurpureus, *C. B. Clarke.* 19. P. divulsus, *C. B. Clarke.*

Sect. II. *POLYSTACHYAE*. Culmus nudus. Annuae sæpissime graciles. Spiculae graciles nec castaneae nec castaneopictae (nisi *P. Aethiops*, *P. melas*).

20. P. pulvinatus, *Nees.* 21. P. pumilus, *Nees.* 22. P. chorisanthus, *C. B. Clarke.* 23. P. polystachyus, *Beauv.* 24. P. Aethiops, *C. B. Clarke.* 25. P. sulcinus, *C. B. Clarke.* 26. P. pelophilus, *C. B. Clarke.* 27. P. ferrugineus, *C. B. Clarke.* 28. P.

caespitosus, *C. B. Clarke*. 29. *P. Hildebrandtii*, *C. B. Clarke*. 30. *P. Cleaveri*, *C. B. Clarke*.* 31. *P. Niederleinianus*, *C. B. Clarke*.

Sect. III. GLOBOSUS. Culmus nudus, annuus, gerontagaeus. Glumae arcte regulariter imbricatae, quoad colorem variables.

32. *P. globosus*, *Reichb.*

Sect. IV. PROPINQUAE. Culmus nudus, rhizoma perbreve aut 0. Spiculae stramineae luteae aut fuscentes. Umbella in caput unicum congesta (vel in *P. helvo* pauciradiata, in *P. cuanzensi* subumbellata).

33. *P. propinquus*, *Nees*. 34. *P. nematodes*, *C. B. Clarke*. 35. *P. capillifolius*, *C. B. Clarke*. 36. *P. tener*, *C. B. Clarke*. 37. *P. helvus*, *C. B. Clarke*. 38. *P. Smithianus*, *C. B. Clarke*. 39. *P. cuanzensis*, *C. B. Clarke*. 39 bis. *P. cataractarum*, *C. B. Clarke*.*

Sect. V. COLORATAE. Culmus nudus. Spiculae castaneae, aut atrae, vel castaneo-tinctae (in *P. spissiflora*, fuscentes). Umbella simplex, saepius in caput unicum congesta.

**Annuae*.

40. *P. diander*, *C. B. Clarke*.* 41. *P. rivularis*, *C. B. Clarke*.* 42. *P. bipartitus*, *C. B. Clarke*.* 43. *P. setaceus*, *C. B. Clarke*.* 44. *P. Aschenbornianus*, *C. B. Clarke*.* 45. *P. minimus*, *C. B. Clarke*. 46. *P. melas*, *C. B. Clarke*.

***Rhizoma repens*.

47. *P. grammicus*, *C. B. Clarke*. 48. *P. Lagunetto*, *C. B. Clarke*. 49. *P. melanostachyus*, *C. B. Clarke*. 50. *P. elegantulus*, *C. B. Clarke*. 51. *P. megapotaemicus*, *Nees*. 52. *P. umbrosus*, *Nees*. 53. *P. oakfortensis*, *C. B. Clarke*. 54. *P. nigricans*, *C. B. Clarke*. 55. *P. spissiflorus*, *C. B. Clarke*. 56. *P. atrobrunneus*, *C. B. Clarke*. 57. *P. betschuanus*, *C. B. Clarke*. 58. *P. Cooperi*, *C. B. Clarke*. 59. *P. Delavayi*, *C. B. Clarke*. 60. *P. rhizomatosus*, *C. B. Clarke*.*

Sect. VI. CHRYSANTHAE. Culmus nudus. Robustae annuae (vel in *P. angulato* rhizoma repens). Spiculae luteae, luteo-brunneae vel rubescentes. Umbella saepius composita polystachya.

61. *P. angulatus*, *Nees*. 62. *P. chrysanthus*, *C. B. Clarke*. 63. *P. albomarginatus*, *Nees*. 64. *P. sabulosus*, *Nees*. 65. *P. tremulus*, *C. B. Clarke*. 66. *P. Baccha*, *Nees*.

3. JUNCELLUS, *C. B. Clarke*.

**Umbellae compositae polystachyae radii manifesti. Robustiores.*

1. *J. serotinus*, *C. B. Clarke*. 2. *J. inundatus*, *C. B. Clarke*. 3. *J. alopecurioides*, *C. B. Clarke*.

***Umbellae speciei simplicis radii saepius breves. Annuae, graciles.*

4. *J. pustulatus*, *C. B. Clarke.* 5. *J. Pervillei*, *C. B. Clarke.** 6. *J. limosus*, *C. B. Clarke.** 7. *J. ater*, *C. B. Clarke.* 8. *J. nipponicus*, *C. B. Clarke.**

****Culmus monocephalus.*

9. *J. pygmaeus*, *C. B. Clarke.* 10. *J. leucolepis*, *C. B. Clarke.** 11. *J. laevigatus*, *C. B. Clarke.* 12. *J. pannonicus*, *C. B. Clarke.** 13. *J. minutus*, *C. B. Clarke.*

4. CYPERUS, Linn.

Subgen. I. *PYCNOSTACHYS.* Spiculae digitatae aut fasciculatae, rarius solitariae pedicellatae, non spicatae.

Sect. I. *ANOSPORUM.* Nux basi subereo-incrassata, styli rami breviusculi, interdum vix ulli. Plantae (ut earum nuce) in aquâ natantes.

1. *C. cephalotes*, *Vahl.* 2. *C. platystylis*, *R. Br.*
2. *C. nudicaulis*, *Poir.* 4. *C. colymbetes*, *Kotschy & Peyr.*

Sect. II. *RUPESTRES.* Monocephalae, annuae, parvae. Glumae saepe mucronatae.

5. *C. Meyerianus*, *Kunth.* 5 bis. *C. Schlechteri*, *C. B. Clarke.** 6. *C. Teneriffae*, *Poir.* 6 bis. *C. Kaessneri*, *C. B. Clarke.** 6 ter. *C. jucundus*, *C. B. Clarke.** 7. *C. rupestris*, *Kunth.* 8. *C. parvinux*, *C. B. Clarke.* 9. *C. amnicola*, *Kunth.* 10. *C. holostigma*, *C. B. Clarke.* 11. *C. Kirkii*, *C. B. Clarke.* 12. *C. atractocarpus*, *Ridl.* 13. *C. clavinux*, *C. B. Clarke.* 13 bis. *C. monostigma*, *C. B. Clarke.* 14. *C. exilis*, *Nees.* 15. *C. humilis*, *Kunth.* 16. *C. Tweediei*, *C. B. Clarke.**

Sect. III. *TENELLAE.* Annuae, parvae vel vix mediocres. Inflorescentiae folia, debiles.

17. *C. mirus*, *C. B. Clarke.** 18. *C. gracilis*, *R. Br.* 19. *C. enervis*, *R. Br.* 20. *C. debilis*, *R. Br.* 21. *C. laevis*, *R. Br.* 22. *C. trinervis*, *R. Br.* 23. *C. imbecillis*, *R. Br.* 24. *C. flaccidus*, *R. Br.* 25. *C. breviculmis*, *R. Br.* 26. *C. aquatilis*, *R. Br.* 27. *C. superatus*, *C. B. Clarke.** 28. *C. tenellus*, *Linn. f.* 29. *C. cancellatus*, *Ridl.* 30. *C. leucoloma*, *Nees.* 31. *C. micromegas*, *Nees.* 32. *C. bellus*, *Kunth.* 33. *C. fuscens*, *Link.* 34. *C. acuminatus*, *Torr.* 35. *C. unicolor*, *Boeck.*

Sect. IV. *AMABILES.* Annuae umbellatae. Glumae parvae saepe aristellatae.

36. *C. amabilis*, *Vahl.* 36 bis. *C. gratus*, *C. B. Clarke.** 37. *C. castaneus*, *Willd.* 38. *C. uncinatus*, *Poir.* 39. *C. hakonensis*, *Franch. & Sav.* 40. *C. reduncus*, *Boeck.*

Sect. V. FUSCAE. Annuae vel non stoloniferae. Inflorescentia composita. Spiculae minusculae.

41. *C. fuscus*, Linn. 42. *C. difformis*, Linn.
 43. *C. microlepis*, Boeck. 44. *C. silhetensis*, Nees.
 45. *C. pulcherrimus*, Willd. 46. *C. Trailli*, C. B. Clarke.* 47. *C. flavidus*, Retz.

Sect. VI. HASPANAE. Rhizoma repens; plantae autem in primo anno saepe florentes annuae videntur. Inflorescentia copiosa; spiculae parvae.

48. *C. Haspan*, Linn. 49. *C. phaeorrhizus*, K. Schum.
 50. *C. dichroostachyus*, Hochst. 50 bis. *C. foliaceus*, C. B. Clarke.*

Sect. VII. NIVEAE. Monocephalae, rhizomatosae, aut biennes.

51. *C. niveus*, Retz. 51 bis. *C. Karlschumanni*, C. B. Clarke.* 52. *C. niveoides*, C. B. Clarke.
 53. *C. compactus*, Lam. 54. *C. angolensis*, Boeck.
 55. *C. margaritaceus*, Vahl. 56. *C. ochrocephalus*, C. B. Clarke. 57. *C. poecilus*, C. B. Clarke. 57 bis. *C. Schlechteri*, C. B. Clarke. 58. *C. brunneo-vaginatus*, Boeck. 59. *C. leucocephalus*, Retz. 60. *C. zanzibarensis*, C. B. Clarke. 61. *C. seslerioides*, H. B. K. 62. *C. somaliensis*, C. B. Clarke. 63. *C. michoacanensis*, Britton.* 64. *C. tenerrimus*, Presl. 65. *C. inops*, C. B. Clarke.* 66. *C. consors*, C. B. Clarke.* 67. *C. uncinulatus*, Nees. 68. *C. Riedelianus*, C. B. Clarke.*

Sect. VIII. CONGLOMERATAE. Perennes aut rhizomatosae. Spicae saepe polystachyae dense fasciculatae. Spiculae majusculae. Inflorescentia parum composita.

69. *C. conglomeratus*, Rottb. 70. *C. pachyrrhizus*, Boeck. 71. *C. cruentus*, Rottb. 72. *C. effusus*, Rottb.
 73. *C. Atkinsoni*, C. B. Clarke. 74. *C. arenarius*, Retz. 75. *C. capitatus*, Vand. 76. *C. maritimus*, Poir. 77. *C. Frerei*, C. B. Clarke. 77 bis. *C. dichromus*, C. B. Clarke*.

Sect. IX. PULCHRAE. Biennes aut perennes. Inflorescentia umbellata. Glumae duriusculae, saepe plus minus nitidae. Foliigerae.

78. *C. podocarpus*, Boeck. 79. *C. tenax*, Boeck.
 80. *C. Hensii*, C. B. Clarke. 81. *C. Boehmii*, Boeck.
 82. *C. semitrifidus*, Schrad. 83. *C. apricus*, Ridl.
 84. *C. Commersonii*, C. B. Clarke.* 85. *C. pulcher*, Thunb. 86. *C. haematocephalus*, Boeck. 87. *C. Adansoni*, C. B. Clarke. 88. *C. sphaerospermus*, Schrad. 89. *C. subaequalis*, Baker. 90. *C. debilissimus*, Baker. 91. *C. dentatus*, Torr. 92. *C. Lecontei*, Torr. 93. *C. Gardneri*, Nees. 94. *C. concinnus*, R. Br.

Sect. X. TEXTILES. Biennes aut perennes. Aphyllae, aut fere aphyllae.

95. *C. textilis*, Thunb. 96. *C. flabelliformis*, Rottb.
 97. *C. alternifolius*, Linn. 98. *C. sexangularis*, Nees.
 99. *C. vaginatus*, R. Br. 100. *C. denudatus*, Linn. f.
 101. *C. lucenti-nigricans*, K. Schum. 102. *C. marginatus*, Thunb.
 103. *C. prolifer*, Lam. 104. *C. isocladus*, Kunth. 105. *C. canus*, Presl.

Sect. XI. VEGETAE. Perennes. Americanae. Majusculae. Glumae celluloso-reticulatae.

106. *C. vegetus*, Willd. 107. *C. virens*, Michx.
 108. *C. Baenitzii*, Boeck. 109. *C. surinamensis*, Rottb.
 110. *C. rufus*, H. B. K. 111. *C. Drummondii*, Torr.
 112. *C. robustus*, Kunth. 113. *C. scaberrimus*, Kunth.
 114. *C. ochraceus*, Vahl. 115. *C. Uleanus*, Boeck.
 116. *C. incomtus*, Kunth. 117. *C. cyrtolepis*, Torr.
 118. *C. reflexus*, Vahl. 119. *C. Luzulae*, Retz. 120.
C. pseudo-vegetus, Steud. 121. *C. consanguineus*,
 Kunth. 122. *C. Chamissoi*, Nees. 123. *C. xanthostachyus*, Steud.
 124. *C. celluloso-reticulatus*, Boeck.* 125. *C. elegans*, Linn.
 126. *C. oxylepis*, Nees. 127. *C. trachysanthes*, Hook. et Arn.

Sect. XII. DIFFUSAE. Perennes; virides.

**Simplices. Umbella simplex aut sub-capitata.*

128. *C. trichodes*, Griseb. 129. *C. filipes*, Benth.
 130. *C. simplex*, H. B. K. 131. *C. grandi-simplex*,
*C. B. Clarke.** 132. *C. miliifolius*, Kunth. 132 bis.
C. saturatus, *C. B. Clarke.** 133. *C. Pearcei*, *C. B.*
*Clarke.** 134. *C. dichromeniformis*, Kunth. 135. *C.*
mapanioides, *C. B. Clarke.* 136. *C. Pandanophyllum*,
*C. B. Clarke.** 137. *C. fertilis*, Boeck. 138. *C. rufo-*
striatus, *C. B. Clarke.* 138 bis. *C. verrucinux*,
*C. B. Clarke.**

***Angustifoliae. Folia angusta. Umbella copiosa.*

139. *C. tetraphyllus*, R. Br. 140. *C. disjunctus*,
*C. B. Clarke.** 141. *C. Mannii*, *C. B. Clarke.*
 142. *C. Deckenii*, Boeck. 142 bis. *C. Princeae*, *C. B.*
*Clarke.** 143. *C. Fischerianus*, Hochst. 144. *C.*
derreilema, Steud. 145. *C. leptocladus*, Kunth.
 146. *C. Ajax*, *C. B. Clarke.* 147. *C. cuspidatus*, Baker.
 148. *C. prasinus*, Kunth.

***Sect. XII. EU-DIFFUSAE. Folia latiuscula, graminea. Umbella composita, spicae numerosae, saepe innumerosae.

149. *C. diffusus*, Vahl. 150. *C. pubesquama*, Steud.
 151. *C. Helferi*, Boeck. 152. *C. multispicatus*, Boeck.
 153. *C. glaucophyllus*, Boeck. 154. *C. Kurzii*, *C. B.*
Clarke. 155. *C. bancanus*, Miq. 156. *C. radians*,
 Nees. 157. *C. Martianus*, Nees. 158. *C. longifolius*,
 Poir. 159. *C. Baroni*, *C. B. Clarke.* 160. *C. albo-*
striatus, Schrad. 161. *C. zambesiensis*, *C. B. Clarke.*

162. *C. chorisanthos*, *C. B. Clarke*.* 163. *C. pedunculatus*, *F. Muell.* 164. *C. Renschii*, *Boeck.* 165. *C. subchoristachys*, *C. B. Clarke.* 166. *C. aureo-brunneus*, *C. B. Clarke.*

Subgen. II. *CHORISTACHYS*. Spiculae spicatae (nec digitatae nec fasciculatae).

Subdiv. 1. *Spicularum rhachillae non (aut vix) alatae.*

Sect. XIII. *IRIAE*. Annuae (*C. Volckmanni*, *C. Gilesii* forsā biennes).

167. *C. Iria*, *Linn.* 168. *C. amuricus*, *Maxim.* 169. *C. truncatus*, *Turcz.* 169 bis. *C. tokiensis*, *C. B. Clarke*.* 170. *C. sphacelatus*, *Rottb.* 171. *C. vialis*, *Ridl.* 172. *C. glomeratus*, *Linn.* 173. *C. compressus*, *Linn.* 174. *C. incompressus*, *C. B. Clarke.* 175. *C. glaber*, *Linn.* 176. *C. subfuscus*, *Debeaux.* 177. *C. Volckmanni*, *Phil.* 178. *C. Gilesii*, *Benth.* 179. *C. aristatus*, *Rottb.*

Sect. XIV. *DISTANTES*. Rhizoma breve (aut propagines adsunt). Umbella composita.

180. *C. distans*, *Linn. f.* 180 bis. *C. leptophyes*, *C. B. Clarke.* 181. *C. Hieronymi*, *Boeck.* 182. *C. tenuispiculatus*, *Boeck.* 183. *C. solidifolius*, *Boeck.* 184. *C. prolixus*, *H. B. K.* 185. *C. Kappleri*, *Steud.* 186. *C. rufidulus*, *Steud.* 187. *C. nutans*, *Vahl.* 188. *C. eleusinoides*, *Kunth.* 189. *C. laetus*, *C. B. Clarke*.* 190. *C. lacunosus*, *Griseb.* 191. *C. Thomsoni*, *Boeck.*

Sect. XV. *LATIFOLIAE*. Stoloniferae. Umbella polystachya, saepius composita. Bractea longae. Majusculae.

192. *C. latifolius*, *Poir.* 193. *C. socialis*, *C. B. Clarke.* 194. *C. malaccensis*, *Lam.* 195. *C. mundulus*, *Kunth.* 196. *C. pilosus*, *Vahl.* 197. *C. Babakan*, *Steud.* 198. *C. procerus*, *Rottb.*

Sect. XVI. *PSEUDO-MARISCUS*. Rhizoma horizontale ligneum. Spiculae subcaducae, basi a glandulâ saepe fultae, proventu patulo-divaricatae.

199. *C. Schweinitzii*, *Torr.* 200. *C. Fendlerianus*, *Boeck.* 201. *C. scaberrimus*, chacoënsis, *C. B. Clarke** (*C. scaberrimus*, *Boeck.* non *Kunth*). 202. *C. Parryi*, *Britton*.* 203. *C. Mohrii*, *Britton*.* 204. *C. pratensis*, *Boeck.*

Subdiv. 2. *Spicularum rhachillae alatae.*

Sect. XVII. *TUNICATAE*. Stolones tenues, evanidi. Rhachillarum alae persistentes.

205. *C. bulbosus*, *Vahl.* 206. *C. grandi-bulbosus*, *C. B. Clarke.* 207. *C. blysmoides*, *Hochst.* 208.

C. usitatus, *Burch.* 209. *C. Stuhlmanni*, *K. Schum.*
210. *C. microbolbos*, *C. B. Clarke.* 211. *C. callistus*,
Ridl. 212. *C. fulgens*, *C. B. Clarke.* 213. *C. escul-*
lentus, *Linn.*

Sect. XVIII. BREVIFOLIATAE. Folia brevia vel subnulla.
Rhizoma horizontale ligneum. Rhachillarum alae per-
sistentes. Umbella polystachya. Plantae majusculae.

214. *C. articulatus*, *Linn.* 215. *C. nodosus*, *Willd.*
216. *C. heterocladus*, *Baker.* 217. *C. tegetiformis*,
Roxb. 218. *C. Dupetiti*, *C. B. Clarke.** 219. *C.*
corymbosus, *Rottb.* 220. *C. scariosus*, *R. Br.* 220 *bis.*
C. macer, *C. B. Clarke.*

Sect. XIX. TEGETALES. Majusculae, polystachyae.
Perennes, saepius stoloniferae. Glumae remotiusculae.

221. *C. tegetum*, *Roxb.* 222. *C. Berlandieri*, *C. B.*
*Clarke.** 223. *C. protractus*, *C. B. Clarke.* 223 *bis.*
C. permacer, *C. B. Clarke.* 224. *C. Schimperianus*,
Steud. 225. *C. aterrimus*, *Steud.* 226. *C. atroviridis*,
C. B. Clarke. 227. *C. maranguensis*, *K. Schum.*
228. *C. nubicus*, *C. B. Clarke.*

Sect. XX. SUBULATAE. Rhizoma horizontale, ligneum.
Glumae remotiusculae. Australienses.

229. *C. Luerssenii*, *Boeck.* 230. *C. subulatus*, *R. Br.*
231. *C. dactylotes*, *Benth.* 232. *C. Sporolobus*, *R. Br.*
233. *C. sexflorus*, *R. Br.* 234. *C. microcephalus*,
R. Br.

Sect. XXI. ZOLLINGERIANAE. Plantae majusculae, aut
mediocres, non annuae, saepe stoloniferae.

235. *C. Zollingeri*, *Steud.* 235 *bis.* *C. zollingeri-*
oides, *C. B. Clarke.** 236. *C. Schweinfurthianus*,
Boeck. 236 *bis.* *C. pterygorrhachis*, *Lév.* 237. *C.*
ciliatus, *Jungh.* 238. *C. granatensis*, *C. B. Clarke.**
239. *C. elatior*, *Boeck.* 240. *C. gracilinux*, *C. B. Clarke.*
241. *C. locuples*, *C. B. Clarke.* 242. *C. natalensis*,
Krauss. 243. *C. maculatus*, *Boeck.* 244. *C. congensis*,
C. B. Clarke. 245. *C. Heudelotii*, *C. B. Clarke.*
246. *C. tonkinensis*, *C. B. Clarke.** 247. *C. brevicaulis*,
*C. B. Clarke.**

Sect. XXII. ROTUNDAE. Stoloniferae, culmi mediocres.
Folia longiuscula. Glumae imbricatae.

248. *C. longus*, *Linn.* 249. *C. stenostachys*, *Benth.*
250. *C. neuerensis*, *Boeck.* 251. *C. rigidifolius*, *Steud.*
251 *bis.* *C. Merkeri*, *C. B. Clarke.** 252. *C. rotundus*,
Linn. 253. *C. stolonifer*, *Ketz.* 254. *C. Taylori*,
C. B. Clarke. 255. *C. Fenzelianus*, *Steud.* 256. *C.*
pallescens, *Desf.* 257. *C. victoriensis*, *C. B. Clarke.**
258. *C. fissus*, *Steud.* 259. *C. subcapitatus*, *C. B.*
Clarke. 260. *C. Andrewsii*, *C. B. Clarke.** 261. *C.*

disruptus, *C. B. Clarke*.* 262. *C. tuberosus*, *Rottb.*
263. *C. setigerus*, *Torr.* 264. *C. ibeensis*, *C. B. Clarke.*
265. *C. bifax*, *C. B. Clarke*.*

Sect. XXIII. EXALTATAE. Culmus solitarius, robustior, erectus. Umbella magna. Plantae in primo anno florentes. Folia longa. Connectivum saepe apiculatum.

266. *C. radiatus*, *Vahl.* 267. *C. viridispicatus*, *Boeck.* 268. *C. exaltatus*, *Retz.* 269. *C. Pethericki*, *C. B. Clarke.* 270. *C. immensus*, *C. B. Clarke.* 271. *C. grandis*, *C. B. Clarke.* 272. *C. semi-ochraceus*, *Boeck.* 273. *C. Oatesii*, *C. B. Clarke.* 274. *C. digitatus*, *Roxb.* 275. *C. paniculatus*, *Hook. et Arn.* 276. *C. auricomus*, *Spreng.* 277. *C. fastigiatus*, *Rottb.* 278. *C. erythrorrhizos*, *Muehl.* 279. *C. elatus*, *Linn.* 280. *C. platyphyllus*, *Roem. et Schult.*

Sect. XXIV. PAPYRUS. Umbella permagna. Folia nulla aut perbrevia.

281. *C. giganteus*, *Vahl.* 282. *C. comosus*, *Poir.* 283. *C. schoenomorphus*, *Steud.* 284. *C. Papyrus*, *Linn.* 285. *C. madagascariensis*, *Roem. et Schult.* 286. *C. laxiflorus*, *Poir.*

5. MARISCUS, Gaertn,

Sect. I. BULBOCAULIS. Culmus basi a vaginis membranaceis scariosis insigniter incrassatus. Gerontogaeae.

Series A. *Spiculae plus quam unam nucem maturantes.*

1. *M. Dregeanus*, *Kunth.* 2. *M. coloratus*, *Nees.* 2 bis. *M. Merrillii*, *C. B. Clarke.* 3. *M. diurensis*, *C. B. Clarke.* 4. *M. firmipes*, *C. B. Clarke.* 5. *M. Aster*, *C. B. Clarke.* 6. *M. remotus*, *C. B. Clarke.* 7. *M. deterius*, *C. B. Clarke.* 8. *M. maritimus*, *C. B. Clarke.* 9. *M. macropus*, *C. B. Clarke.* 10. *M. somaliensis*, *C. B. Clarke.* 11. *M. Schimperii*, *Hochst.* 12. *M. inflatus*, *C. B. Clarke.* 13. *M. pilosulus*, *C. B. Clarke.* 14. *M. Taylori*, *C. B. Clarke.* 15. *M. binucifer*, *C. B. Clarke*.* 16. *M. psilostachys*, *C. B. Clarke.* 17. *M. leptophyllus*, *C. B. Clarke.* 18. *M. vestitus*, *C. B. Clarke.* 18 bis. *M. pseudo-vestitus*, *C. B. Clarke*.* 19. *M. concinnus*, *C. B. Clarke.*

Series B. *Spiculae unicam nucem maturantes.*

20. *M. bulbocaulis*, *Hochst.* 20 bis. *M. Boeckeleri*, *C. B. Clarke*.* 21. *M. plateilema*, *Steud.* 22. *M. circumclusus*, *C. B. Clarke.* 23. *M. mollipes*, *C. B. Clarke.* 23 bis. *M. oblonginux*, *C. B. Clarke.* 24. *M. globifer*, *C. B. Clarke.* 25. *M. albo-marginatus*, *C. B. Clarke.* 26. *M. capensis*, *Schrad.* 27. *M. Marlothii*, *C. B. Clarke.* 28. *M. bulbosus*, *C. B. Clarke.* 28 bis. *M. stolonifer*, *C. B. Clarke.*

Sect. II. EU-MARISCUS. Vaginae basales, virides.
Spiculae pauci-nucigeræ.

Sub-sect. 1. Glumæ nucigeræ, imo proventu, arcte imbricatæ.

A. *Species in Indo--Chinâ, Oceaniâ vigentes.*

29. *M. paniceus*, Vahl. 30. *M. cyperinus*, Vahl.
31. *M. phleoides*, Nees. 32. *M. pictus*, Nees. 33. *M. tenuifolius*, Nees. 34. *M. Sieberianus*, Nees. 35. *M. philippensis*, Steud. 36. *M. Whitmeei*, C. B. Clarke.* 37. *M. macrophyllus*, Brongn. 38. *M. laevis*, R. Br. 39. *M. scaber*, R. Br.

B. *Species in Ethiopiâ vigentes.*

40. *M. umbellatus*, Vahl. 41. *M. badius*, Kunth.
42. *M. sublimis*, C. B. Clarke. 43. *M. nossibeensis*, Steud. 44. *M. tanyphyllus*, C. B. Clarke. 45. *M. Phillipsiae*, C. B. Clarke. 46. *M. myrmesias*, C. B. Clarke. 47. *M. tomaiophyllus*, C. B. Clarke. 48. *M. macer*, Kunth. 49. *M. radiatus*, Krauss. 50. *M. Kerstenii*, C. B. Clarke. 51. *M. macrocarpus*, Kunth. 52. *M. luzuliformis*, C. B. Clarke. 53. *M. Soyauxii*, C. B. Clarke. 54. *M. deciduus*, C. B. Clarke. 55. *M. albo-pilosus*, C. B. Clarke. 56. *M. Rohlfisii*, C. B. Clarke. 57. *M. procerus*, A. Rich.

C. *Species in Americâ vigentes.*

**Spiculæ ellipsoideæ, dense glomeratæ.*

58. *M. flavus*, Vahl. 59. *M. Haenkei*, Presl. 60. *M. chlorocephalus*, C. B. Clarke.* 61. *M. Swartzii*, Dietr. 62. *M. gracilis*, Vahl.

***Spiculæ oblongæ aut lineares, densiuscule glomeratæ. Umbella specie simplex aut parce composita.*

63. *M. retrofractus*, Vahl. 64. *M. ovularis*, Vahl.
65. *M. Brittoni*, C. B. Clarke.* 66. *M. cylindricus*, Ell. 67. *M. retrorsus*, C. B. Clarke.* 68. *M. echinatus*, Ell. 69. *M. uniflorus*, Steud.

****Spiculæ minus dense aggregatæ, proventu patulæ. Umbella laxa.*

70. *M. tetragonus*, C. B. Clarke. 71. *M. dissitiflorus*, C. B. Clarke.

*****Umbella evoluta; spicæ sæpe majusculæ, laxæ.*

72. *M. Jacquinii*, H. B. K. 73. *M. elatus*, Vahl.
74. *M. alpinus*, C. B. Clarke.* 75. *M. Meyenianus*, Nees. 76. *M. palustris*, Schrad.

******Glumæ longiusculæ mucronatæ.*

77. *M. panamensis*, C. B. Clarke.

******Stolones longi. Robustior. Spicae cylindricae, densae, longe pedunculatae.*

78. *M. pycnostachyus, H. B. K.*

Sub-sect. 2. *Laxiglumae. Glumae nucigeræ, plus minus patulæ. Plerumque rhizomatosæ.*

79. *M. glomeratus, Bart.* 80. *M. Grayii, C. B. Clarke.** 81. *M. arenicola, Britton.* 82. *M. ischnos, C. B. Clarke.* 83. *M. cornutus, N. J. And.* 84. *M. Curtisi, C. B. Clarke.** 85. *M. Manimæ, C. B. Clarke.** 86. *M. phaeocephalus, C. B. Clarke.** 87. *M. guatemalensis, C. B. Clarke.** 88. *M. dipsaceus, C. B. Clarke.** 89. *M. atrosanguineus, Liebm.* 90. *M. fuliginæus, C. B. Clarke.** 91. *M. Urbani, C. B. Clarke.* 92. *M. tenuis, C. B. Clarke.* 93. *M. capillaris, Vahl.* 94. *M. thomensis, C. B. Clarke.* 95. *M. Hookerianus, C. B. Clarke.*

Sect. III. *TURGIDULAE. Spiculae vix aut non compressæ, pauci-nucigeræ, rhachillarum nodis brevissimis. Insulares aut maritimæ.*

96. *M. Mutisii, H. B. K.* 97. *M. laevigatus, Hook. & Arn.* 98. *M. Kunthianus, Gaudich.* 99. *M. longiradiatus, W. Hillebr.** 100. *M. decipiens, C. B. Clark.** 101. *M. brachystachys, Hook. f.* 102. *M. Ehrenburgianus, C. B. Clarke.** 103. *M. Gayi, C. B. Clarke.** 104. *M. rufus, H. B. K.* 105. *M. guianensis, C. B. Clarke.** 106. *M. umbilensis, W. Wats.* 107. *M. albescens, Gaudich.* 108. *M. laeteflorens, C. B. Clarke.** 109. *M. brunneus, C. B. Clarke.* 110. *M. Armstrongii, C. B. Clarke.** 111. *M. decompositus, R. Br.* 112. *M. conicus, R. Br.*

Sect. IV. *THUNBERGIEAE. Robustæ, duriusculæ. Spiculae paucifloræ (raro usque ad 6-10-floræ). Capenses.*

113. *M. riparius, Schrad.* 113 bis. *M. magnus, C. B. Clarke.** 114. *M. congestus, C. B. Clarke.* 115. *M. Owani, C. B. Clarke.* 116. *M. Grantii, C. B. Clarke.* 117. *M. varicus, C. B. Clarke.* 118. *M. tabularis, C. B. Clarke.* 119. *M. durus, C. B. Clarke.* 120. *M. elatior, C. B. Clarke.* 121. *M. involutus, C. B. Clarke.* 122. *M. Gueinzii, C. B. Clarke.* 123. *M. Rehmannianus, C. B. Clarke.* 124. *M. Cooperi, C. B. Clarke.* 125. *M. elephantinus, C. B. Clarke.*

Sect. V. *MULTIFLORAE.*

Sub-sect *a.* *Oblongi-spiculosæ. Spiculae oblongæ, vix lineares.*

Series A. *Gerontogææ.*

126. *M. pseudo-brunneus, C. B. Clarke.* 127. *M. Hilsenbergii, C. B. Clarke.* 128. *M. alpestris, C. B. Clarke.* 129. *M. Gregorii, C. B. Clarke.* 130. *M. pseudo-pilosus, Dur. & Wild.* 131. *M. appendiculatus, Brongn.* 132. *M. alterniflorus, C. B. Clarke.**

133. *M. sanguineo-fuscus*, *C. B. Clarke*.* 134. *M. lucidus*, *C. B. Clarke*.* 135. *M. haematodes*, *C. B. Clarke*.* 136. *M. ustulatus*, *C. B. Clarke*.* 137. *M. Gunnii*, *C. B. Clarke*.* 138. *M. rutilans*, *C. B. Clarke*.* 139. *M. Cunninghamsii*, *C. B. Clarke*.* 140. *M. fulvus*, *C. B. Clarke*.* 141. *M. rigidellus*, *C. B. Clarke*.* 142. *M. angustatus*, *C. B. Clarke*.* 143. *M. Holoschoenus*, *C. B. Clarke*.* 144. *M. carinatus*, *C. B. Clarke*.* 145. *M. hypochlorus*, *C. B. Clarke*.*

Series B. *Neogaeae*.

146. *M. strigosus*, *C. B. Clarke*.* 147. *M. stenolepis*, *C. B. Clarke*.* 148. *M. cephalanthus*, *C. B. Clarke*.* 148 bis. *M. litoreus*, *C. B. Clarke*.* 149. *M. setiglumis*, *C. B. Clarke*.* 150. *M. laetus*, *Lindm.* 151. *M. rigens*, *Chod.* 152. *M. Conceptionis*, *C. B. Clarke*. 153. *M. polyphyllus*, *H. B. K.* 154. *M. Balansae*, *C. B. Clarke*.* 154 bis. *M. Hassleri*, *C. B. Clarke*. 155. *M. saturatus*, *Donn.-Sm.* 156. *M. Tabina*, *C. B. Clarke*.* 157. *M. caesius*, *C. B. Clarke*.* 158. *M. purpurascens*, *C. B. Clarke*. 159. *M. brizaeus*, *C. B. Clarke*.

Sub-sect. *b.* *Lineari-spiculosae*. Spiculae lineares, vix oblongae.

160. *M. flabelliformis*, *H. B. K.* 161. *M. hemisphaericus*, *C. B. Clarke*. 162. *M. foliosus*, *C. B. Clarke*. 163. *M. luridus*, *C. B. Clarke*. 164. *M. Bojeri*, *C. B. Clarke*. 165. *M. luteus*, *C. B. Clarke*. 166. *M. eurystachys*, *C. B. Clarke*. 167. *M. aximensis*, *C. B. Clarke*. 168. *M. trinervis*, *C. B. Clarke*. 169. *M. squarrosus*, *C. B. Clarke*. 170. *M. microcephalus*, *Presl.* 171. *M. acutus*, *C. B. Clarke*.* 172. *M. Bowmanii*, *C. B. Clarke*.* 173. *M. Dietrichiae*, *C. B. Clarke*.* 174. *M. floridensis*, *C. B. Clarke*.* 175. *M. longus*, *Nees*. 176. *M. filiformis*, *H. B. K.* 177. *M. lancastriensis*, *C. B. Clarke*.* 178. *M. praelongatus*, *C. B. Clarke*.* 179. *M. confertus*, *C. B. Clarke*.

6. TORULINIUM, Desv.

1. *T. confertum*, *Ham.* 2. *T. Eggersii*, *C. B. Clarke*. 3. *T. Vahlia*, *C. B. Clarke*. 4. *T. macrocephalum*, *C. B. Clarke*.* 5. *T. Hayesii*, *C. B. Clarke*.* 6. *T. Poeppigii*, *C. B. Clarke*. 7. *T. Michauxianum*, *C. B. Clarke*. 8. *T. filiforme*, *C. B. Clarke*.

7. COURTOISIA, Nees.

1. *C. cyperoides*, *Nees*. 2. *C. assimilis*, *C. B. Clarke*.

Tribus II. *Scirpeae*.

8. ELEOCHARIS, R. Br.

Subgen. I. *LIMNOCHLOA*.

Sect. I. Nux levis, *i.e.*, cellulae extimae parvae quadratae subhexagoneae inconspicuae. Gerontogaeae.

1. *E. plantaginea*, R. Br. 2. *E. equisetina*, Presl.
3. *E. tuberosa*, Schultes. 4. *E. sphacelata*, R. Br.

Sect. II. Nux vel longitudinaliter lineata trabeculata, *i.e.*, cellulae extimae transversim oblongae subregulariter per series verticales superimpositae, vel grossius reticulatae subcancellatae, *i.e.*, cellulae extimae majusculae quadratae.

a. *Americanae*.

5. *E. interstincta*, R. Br. 6. *E. mutata*, R. Br. 7. *E. mitrata*, C. B. Clarke. 8. *E. peruviana*, C. B. Clarke.
9. *E. Sagotii*, C. B. Clarke.* 10. *E. Robbinsii*, Oakes.
11. *E. cellulosa*, Torr. 12. *E. elata*, C. B. Clarke.

b. *Gerontogaeae*.

13. *E. variegata*, Presl. 14. *E. ochrostachys*, Steud. 15. *E. fistulosa*, Link. 16. *E. spiralis*, R. Br.
17. *E. compacta*, R. Br. 18. *E. nuda*, C. B. Clarke.*

Subgen. II. *ELEOGNUS*. Stylus 2-fidus.

a. *Ocreatae*. Vagina summa apice scariosa, rugosa, detergibilis, saepe mox evanida.

19. *E. ochreata*, Nees. 20. *E. vincentina*, C. B. Clarke. 21. *E. olivacea*, Torr. 22. *E. Sellowiana*, Kunth. 23. *E. maculosa*, R. Br.

b. *Capitatae*. Vagina summa apice persistens. Radices fibrosae (Stolones tenuissimi in *E. debili* interdum obvii).

24. *E. capillacea*, Kunth. 25. *E. atropurpurea*, Kunth. 26. *E. carniolica*, Parl. 27. *E. capitata*, R. Br. 28. *E. Schlechteri*, C. B. Clarke. 29. *E. ovata*, R. Br. 30. *E. debilis*, Kunth.

c. *Palustres*. Vagina summa apice persistens. Rhizoma lignescens. Stolones saepe additi.

31. *E. limensis*, C. B. Clarke. 32. *E. neo-zelandica*, T. Kirk. 33. *E. simulans*, C. B. Clarke. 34. *E. melanostachys*, C. B. Clarke. 35. *E. palustris*, R. Br. 36. *E. appendiculata*, C. B. Clarke. 37. *E. chrysocarpa*, C. B. Clarke. 38. *E. caduca*, Schultes. 39. *E. glaucescens*, Kunth. 40. *E. Savatieri*, C. B. Clarke.* 41. *E. Dietrichiana*, C. B. Clarke. 42. *E. nodulosa*, Schultes.

Subgen. III. *EU-ELEOCHARIS*. Stylus 3-fidus.

Sect. I. *ACICULARES*. Nux transversim trabeculata.

43. *E. acicularis*, R. Br. 44. *E. pusilla*, R. Br. 45. *E. atricha*, R. Br. 46. *E. cancellata*, S. Wats. 47. *E. bonariensis*, Nees. 48. *E. Wolfii*, Britton. 49. *E. amphibia*, C. B. Clarke.

Sect. II. CHAETARIEAE. Nux cancellata.

50. *E. Chaetaria*, *Roem. & Sch.* 51. *E. subcancellata*, *C. B. Clarke*.* 52. *E. glauca*, *C. B. Clarke*.
 53. *E. vivipara*, *Kunth*. 54. *E. arenaria*, *Benth*
 55. *E. tortilis*, *Link*. 56. *E. tuberculosa*, *R. Br.*

Sect. III. LEIOCARPEAE. Nux levis, nec trabeculata, nec cancellata.

**Gerontogaeae*.

57. *E. trilophus*, *C. B. Clarke*. 58. *E. Hildebrandtii*, *C. B. Clarke*. 59. *E. complanata*, *C. B. Clarke*. 60. *E. anceps*, *C. B. Clarke*. 61. *E. Kirkii*, *C. B. Clarke*. 62. *E. Schlechteri* [II.], *C. B. Clarke*.*
 63. *E. lepta*, *C. B. Clarke*. 64. *E. subvivipara*, *C. B. Clarke*. 65. *E. afflata*, *Steud.* 66. *E. congesta*, *D. Don*. 67. *E. multicaulis*, *Sm.* 68. *E. marginulata*, *Steud.* 69. *E. limosa*, *Schultes*. 70. *E. macrantha*, *C. B. Clarke*. 71. *E. tetraquetra*, *Nees*.
 72. *E. gracilis*, *R. Br.* 73. *E. acuta*, *R. Br.* 74. *E. Cunninghamii*, *C. B. Clarke*. 75. *E. cylindrostachys*, *C. B. Clarke*.

***Americanae* (*E. microcarpa* etiam in Africa reperta).

- a. *Tenuissimae*. Tenues. Radices fibrosae aut rhizoma filiforme. Nux alba, proventu vix fuscens. Glumae inferiores 2-3-spicae.

76. *E. oligantha*, *C. B. Clarke*. 77. *E. tenuissima*, *C. B. Clarke*. 78. *E. camptotricha*, *C. B. Clarke*.
 79. *E. punctata*, *C. B. Clarke*. 80. *E. nana*, *C. B. Clarke*.
 81. *E. minima*, *Kunth*. 82. *E. spadicea*, *C. B. Clarke*.*
 83. *E. Niederleinii*, *C. B. Clarke*.

- b. *Sulcatae*. Nux matura pallida. Spiculae glumae imae multispirae.

84. *E. nigrescens*, *Kunth*. 85. *E. microcarpa*, *Torr.*
 86. *E. Durandii*, *C. B. Clarke*. 87. *E. Wrightiana*, *C. B. Clarke*. 88. *E. subfoliata*, *C. B. Clarke*.* 89. *E. subtilis*, *C. B. Clarke*. 90. *E. Lehmanniana*, *C. B. Clarke*.
 91. *E. bicolor*, *Chapm.* 92. *E. Baldwinii*, *Chapm.*
 93. *E. amazonica*, *C. B. Clarke*.* 94. *E. paraguayensis*, *Maury*. 95. *E. sulcata*, *Nees*. 96. *E. leptostachys*, *C. B. Clarke*. 97. *E. Loefgreniana*, *C. B. Clarke*.
 98. *E. pachystyla*, *C. B. Clarke*. 99. *E. mendocina*, *C. B. Clarke*. 100. *E. quinquangularis*, *Maury*. 101. *E. glauco-virens*, *C. B. Clarke*. 102. *E. grandis*, *Maury*.

- c. *Montanae*. Nux matura lutea aurea brunea aut castanea. Spiculae glumae imae multispirae. Perennes.

103. *E. pachycarpa*, *C. B. Clarke*. 104. *E. Rabenii*, *C. B. Clarke*. 105. *E. melanocarpa*, *Torr.* 106. *E. tricostata*, *Torr.* 107. *E. albibracteata*, *Nees*.
 108. *E. nubigena*, *C. B. Clarke*.* 109. *E. sanguinea*,

Maury. 110. *E. melanomphala*, *C. B. Clarke.*
 111. *E. Lechleri*, *C. B. Clarke.* 112. *E. platypus*,
*C. B. Clarke**. 113. *E. crinalis*, *C. B. Clarke**.
 114. *E. albida*, *Torr.* 115. *E. subarticulata*, *C. B.*
Clarke. 116. *E. montana*, *Roem. & Sch.* 117.
E. montevidensis, *Kunth.* 118. *E. tenuis*, *Link.*
 119. *E. acuminata*, *Nees.* 120. *E. contracta*, *Maury.*
 121. *E. andesica*, *C. B. Clarke**. 122. *E. Widgrenii*,
C. B. Clarke. 123. *E. cylindrica*, *Buckl.* 124.
E. intermedia, *Schultes.* 125. *E. rostellata*, *Torr.*
 126. *E. Berlandieri*, *C. B. Clarke**. 127. *E. geni-*
culata, *R. Br.* [Suppl.]. *E. decumbens*, *C. B. Clarke*.*

9. FIMBRISTYLIS, Vahl.

Sect. I. ELEOCHAROIDES. Culmi monostachyi rarius 1-3
 stachyi.

**Stylus 2-fidus. Nux biconvexa.*

1. *F. tetragona*, *R. Br.* 2. *F. acuminata*, *Vahl.*
 3. *F. setacea*, *Benth.* 4. *F. nutans*, *Vahl.* 5. *F.*
polytrichoides, *Vahl.* 5 bis. *F. vitiata*, *C. B. Clarke**.
 6. *F. juncea*, *Roem. & Sch.* 7. *F. tenuicula*, *Boeck.*
 8. *F. androgyne*, *R. Br.* 8 bis. *F. gynophora*, *C. B.*
Clarke.*

***Stylus 3-fidus (raris sub-2-fidus).*

9. *F. pterygosperma*, *R. Br.* 10. *E. Kingii*, *Boeck.*
 11. *F. subtrabeculata*, *C. B. Clarke.* 12. *F. pauci-*
flora, *R. Br.* 13. *F. punctata*, *R. Br.* 14. *F. semi-*
levis, *F. Muell.** 15. *F. monandra*, *F. Muell.* 16.
F. Xyridis, *R. Br.* 17. *F. cardiocarpa*, *F. Muell.* 18.
F. MacGillivrayi, *C. B. Clarke**. 19. *F. leucocolea*,
Benth. 20. *F. trigastrocarya*, *F. Muell.* 21. *F. Preslii*,
Kunth.

Sect. II. DICHELOSTYLIS.

Series A. Spiculae omnes solitariae, raro geminatae.

**Oligostachyae.*

22. *F. schoenoides*, *Vahl.* 23. *F. subbispicata*,
Nees. 24. *F. Sieboldii*, *Miq.* 25. *F. gracilentia*,
Hance. 26. *F. Fordii*, *C. B. Clarke.* 27. *F. Henryi*,
C. B. Clarke. 28. *F. denudata*, *R. Br.* 29. *F.*
caespitosa, *R. Br.* 30. *F. separanda*, *Steud.* 31. *F.*
hawaiiensis, *Hillebr.*

***Polystachyae.*

32. *F. dipsacea*, *Benth.* 33. *F. squarrosa*, *Vahl.*
 34. *F. adventitia*, *Cesati.* 35. *F. Stauntoni*, *Debeaux.*
 36. *F. dichotoma*, *Vahl.* 37. *F. diphylla*, *Vahl.*
 38. *F. stolonifera*, *C. B. Clarke.* 39. *F. madagascari-*
ensis, *Boeck.* 40. *F. aestivalis*, *Vahl.* 41. *F. limosa*,
Kunth. 42. *F. pilosa*, *Vahl.* 43. *F. scaberrima*,
Nees. 44. *F. podocarpa*, *Nees.* 45. *F. fuscinox.*

- C. B. Clarke.* 46. *F. albo-viridis*, *C. B. Clarke*
 47. *F. compressa*, *Boeck.* 48. *F. ferruginea*, *Vahl.*
 48 *bis.* *F. neocaledonica*, *C. B. Clarke.** 49. *F.*
longiculmis, *Steud.* 50. *F. longispica*, *Steud.* 51.
F. castanea, *Vahl.* 52. *F. spadicea*, *Vahl.* 52 *bis.* *F.*
koreensis, *C. B. Clarke.* 53. *F. thermalis*, *S. Wats.*
 54. *F. anomala*, *Boeck.* 55. *F. nigritana*, *C. B. Clarke.*
 56. *F. rigidula*, *Nees.* 57. *F. spathacea*, *Roth.*

Series B. Spiculae aut ex his plures, fasciculatae.

**Culmi moncephali.*

58. *F. Vahl.*, *Link.* 59. *F. argentea*, *Vahl.* 60.
F. albicans, *Nees.* 61. *F. brunea*, *C. B. Clarke.*
 (MS. note "Style 3-fid ! Move.")

***Spiculae in umbellae radiis fasciculatae.*

62. *F. Hookeriana*, *Boeck.* 63. *F. sericea*, *R. Br.*
 64. *F. macrostachya*, *Boeck.*

Sect. III. TRICHELOSTYLIS. Stylus 3-fidus.

Series A. Spiculae omnes solitariae.

**Oligostachyae.*

65. *F. exilis*, *Roem. & Sch.* 66. *F. Hensii*, *C. B.*
Clarke. 67. *F. Cioniana*, *P. Savi.* 68. *F. fuscoides*
 [vide No. 124 *bis.*]. 69. *F. tenera*, *Roem. & Sch.* 70.
F. monticola, *Steud.* 71. *F. Schomburgkiana*, *Steud.*
 72. *F. merguensis*, *C. B. Clarke.* 73. *F. lanceolata*,
*C. B. Clarke.** 74. *F. spiralis*, *R. Br.* 75. *F. sub-*
aristata, *Benth.* 76. *F. Brownii*, *Benth.* 77. *F.*
Pierotii, *Miq.* 78. *F. Schweinfurthiana*, *Boeck.*

***Polystachyae.*

79. *F. furva*, *R. Br.* 80. *F. solidifolia*, *F. Muell.*
 81. *F. Arnottiana*, *Boeck.* 82. *F. filifolia*, *Boeck.* 83.
F. asperrima, *Boeck.* 84. *F. miliacea*, *Vahl.* 85. *F.*
quinquangularis, *Kunth.* 86. *F. globulosa*, *Kunth.*
 87. *F. rara*, *R. Br.* 88. *F. insignis*, *Thw.* 89. *F.*
debilis, *F. Muell.* 90. *F. kwangtungensis*, *C. B.*
Clarke. 91. *F. pentaptera*, *Kunth.* 92. *F. sub-*
aphylla, *Boeck.* 93. *F. scabrida*, *Schum.* 93 *bis.* *F.*
splendida, *C. B. Clarke.* 94. *F. aspera*, *Boeck.* 95.
F. complanata, *Link.* 96. *F. Woodrowi*, *C. B. Clarke.*
 97. *F. tenuis*, *Roem. & Sch.* 98. *F. Thomsoni*, *Boeck.*
 99. *F. autumnalis*, *Roem. & Sch.* 100. *F. coryno-*
carpa, *F. Muell.* 101. *F. Salbundia*, *Kunth.*

Series B. Spiculae plures fasciculatae.

102. *F. leptoclada*, *Benth.* 103. *F. Horsfieldii*, *C.*
*B. Clarke.** 104. *F. paupercula*, *Boeck.* 105. *F.*
cymosa, *R. Br.* 106. *F. obtusifolia*, *Kunth.* 107.
F. junciformis, *Kunth.* 108. *F. uliginosa*, *Steud.*
 109. *F. nigro-brunnea*, *Thw.* 110. *F. Neilsoni*, *F.*

Muell. 111. *F. capitata*, *R. Br.* 112. *F. Schultzii*, *Boeck.* 113. *F. Sellowiana*, *Lindm.* 114. *F. oligostachya*, *A. Rich.* 115. *F. digitata*, *Boeck.*

Sect IV. ABILDGAARDIA. Glumae subdistichae.

**Spiculae pallidae aut stramineo-virides. Nux majuscula, acutius trigona, basi multum angustata.*

116. *F. monostachya*, *Hassk.* 117. *F. crassipes*, *Boeck.* 118. *F. tristachya*, *Thw.* 119. *F. oxystachya*, *F. Muell.* 120. *F. squarrulosa*, *F. Muell.* 121. *F. africana*, *C. B. Clarke.*

***Culmus 1-3-stachyus. Spiculae fuscae. Species parvae aut vix mediocres.*

122. *F. bahiensis*, *Steud.* 123. *F. Grisebachii*, *Combs.*

****Spiculae brunee, saepius pauciflorae. Nux minuscula, basi porrum angustata, non pyriformis.*

124. *F. fusca*, *Benth. & Hook., f.?* 124 bis. *F. fuscoides*, *C. B. Clarke.** [dubia]. 125. *F. fulvescens*, *Thw.* 126. *F. trichocaulis*, *C. B. Clarke.** 127. *F. Eragrostis*, *Hance.* 128. *F. cyperoides*, *R. Br.* 129. *F. Actinoschoenus*, *C. B. Clarke.* 130. *F. yunnanensis*, *C. B. Clarke.* 131. *F. laxiflora*, *C. B. Clarke.*

10. BULBOSTYLIS, Nees.

Sect. I. Stylus 2-fidus.

1. *B. humilis*, *C. B. Clarke.* 2. *B. striatella*, *C. B. Clarke.*

Sect. II. Stylus 3-fidus.

**Africanæ.*

3. *B. festucoides*, *C. B. Clarke.* 4. *B. Renschii*, *C. B. Clarke.* 5. *B. zambesica*, *C. B. Clarke.* 6. *B. breviculmis*, *C. B. Clarke.* 7. *B. sphaerocarpus*, *C. B. Clarke.* 7 bis. *B. Schlechteri*, *C. B. Clarke.** 8. *B. Funckii*, *C. B. Clarke.**

***Americanæ.*

9. *B. leucostachya*, *C. B. Clarke.* 10. *B. conifera*, *C. B. Clarke.* 11. *B. lanata*, *C. B. Clarke.** 12. *B. paradoxa*, *C. B. Clarke.* 13. *B. Schaffneri*, *C. B. Clarke.** 14. *B. pauciflora*, *C. B. Clarke.** 15. *B. floccosa*, *C. B. Clarke.* 16. *B. aturensis*, *C. B. Clarke.**

Sect. III. Stylus 3-fidus. Culmus 1-cephalus.

**Gerontogee.*

17. *B. barbata*, *C. B. Clarke.* 18. *B. rarissima*, *C. B. Clarke.* 19. *B. Lichtensteiniana*, *C. B. Clarke.* 20. *B. schoenoides*, *C. B. Clarke.* 21. *B. scleropus*

C. B. Clarke. 22. *B. parvinux, C. B. Clarke.* 23. *B. cinnamomea, C. B. Clarke.* 24. *B. collina, C. B. Clarke.* 25. *B. filamentosa, C. B. Clarke.* 26. *B. laniceps, C. B. Clarke.* 27. *B. cardiocarpa, C. B. Clarke.* 28. *B. erratica, C. B. Clarke.* 29. *C. Burkei, C. B. Clarke.* 30. *B. atrosanguinea, C. B. Clarke.* 31. *B. comorensis, C. B. Clarke.** 32. *B. Schimperiana, C. B. Clarke.* 32 *bis.* *B. fimbriatylodes, C. B. Clarke.* 33. *B. aphyllanthoides, C. B. Clarke.* 34. *B. Buchanani, C. B. Clarke.* 35. *B. subspinescens, C. B. Clarke.*

****Neogaeae.**

36. *B. stenophylla, C. B. Clarke.** 37. *B. Warei, C. B. Clarke.** 38. *B. subaphylla, C. B. Clarke.* 39. *B. Glaziovii, C. B. Clarke.** 40. *B. fimbriata, C. B. Clarke.* 41. *B. sphaerocephala, C. B. Clarke.**

Sect. IV. Stylus 3-fidus. Capitula umbellatae.

***Gerontogaeae.**

42. *B. Zeyheri, C. B. Clarke.* 43. *B. Kirkii, C. B. Clarke.* 44. *B. trabeculata, C. B. Clarke.* 45. *B. japonica, C. B. Clarke.**

****Neogaeae.**

46. *B. vestita, C. B. Clarke.* 47. *B. graminifolia, C. B. Clarke.** 48. *B. consanguinea, C. B. Clarke.* 49. *B. junciformis, C. B. Clarke.* 50. *B. nesiotis, C. B. Clarke.**

Sect. V. Stylus 3-fidus. Spiculae umbellatae.

***Cosmopolitana.**

51. *B. capillaris, C. B. Clarke.*

****Gerontogaeae.**

52. *B. puberula, C. B. Clarke.* 53. *B. Taylori, C. B. Clarke.* 54. *B. Burchellii, C. B. Clarke.* 55. *B. argenteo-brunea, C. B. Clarke.* 56. *B. neglecta, C. B. Clarke.* 57. *B. pusilla, C. B. Clarke.* 58. *B. filiformis, C. B. Clarke.* 59. *B. abortiva, C. B. Clarke.* 60. *B. Boivini, C. B. Clarke.* 61. *B. coleotricha, C. B. Clarke.* 62. *B. Johnstoni, C. B. Clarke.* 63. *B. parva, C. B. Clarke.* 63 *bis.* *B. mucronata, C. B. Clarke.** 64. *B. andongensis, C. B. Clarke.* 65. *B. transiens, C. B. Clarke.* 66. *B. melanocephala, C. B. Clarke.* 67. *B. macra, C. B. Clarke.* 68. *B. megastachys, C. B. Clarke.* 69. *B. oritrephes, C. B. Clarke.* 70. *B. trichobasis, C. B. Clarke.* 71. *B. cylindrica, C. B. Clarke.*

*****Neogaeae.**

72. *B. Fendleri, C. B. Clarke.** 73. *B. Langsdorffiana, C. B. Clarke.* 74. *B. scabra, Chodat.* 75. *B. arenaria, Lindm.* 76. *B. tenella, C. B. Clarke.** 77. *B. circinata, C. B. Clarke.** 78. *B. paraensis,*

*C. B. Clarke.** 79. *B. Jacobinae*, *Lindm.* 80. *B. laeta*, *C. B. Clarke.** 81. *B. asperula*, *C. B. Clarke.** 82. *B. micans*, *Lindm.*

11. SCIRPUS, Linn.

Sect. I. NEMUM. Culmus gracilis nudus, 1-3-spiculosus. Setae 0. Stylus 2-fidus. Glumae persistentes, atrosanguineae.

1. *S. spadiceus*, *Boeck.* 2. *S. angolensis*, *C. B. Clarke.*

Sect. II. MONOSTACHYAE. Culmi vel pedunculi axillares monostachyi.

**Fluitantes.*

3. *S. submersus*, *Sauv.* 4. *S. fluitans*, *Linn.* 5. *S. capillifolius*, *Parl.* 6. *S. globiceps*, *C. B. Clarke.* 7. *S. Ludwigii*, *Boeck.* 8. *S. productus*, *C. B. Clarke.** 9. *S. leptostachyus*, *Boeck.* 10. *S. lenticularis*, *Poir.* 11. *S. crassiusculus*, *Benth.* 12. *S. brizoides*, *Benth.* 13. *S. nervosus*, *Boeck.* 14. *S. verruculosus*, *Steud.* 15. *S. Burchellii*, *C. B. Clarke.* 16. *S. sororius*, *C. B. Clarke.*

***Caespitosi.*

17. *S. pauciflorus*, *Lightf.* 18. *S. pumilus*, *Vahl.* 19. *S. nanus*, *Spreng.* 20. *S. caespitosus*, *Linn.* 21. *S. Clintoni*, *A. Gray.* 22. *S. planifolius*, *Muehl.* 23. *S. subterminalis*, *Torr.* 24. *S. rigidus*, *Boeck.* 25. *S. tenuis*, *Spreng.* 26. *S. bulbiferus*, *Boeck.* 27. *S. venustulus*, *Boeck.* 28. *S. tenuissimus*, *Boeck.* 29. *S. natans*, *Griseb.*

Sect. III. ISOLEPIS. Spiculae fasciculatae. Setae penitus 0.

**Cernuae.* Parvae. Culmi monocephali, oligostachyi. Stylus 3-fidus.

30. *S. cernuus*, *Vahl.* 30 bis. *S. semiuncialis*, *C. B. Clarke.** 31. *S. carinatus*, *A. Gray.* 32. *S. inundatus*, *Poir.* 33. *S. antarcticus*, *Linn.* 34. *S. arenarius*, *Benth.* 35. *S. aucklandicus*, *Boeck.* 36. *S. multicaulis*, *F. Muell.** 37. *S. Gunnii*, *Boeck.* 38. *S. stellatus*, *C. B. Clarke.** 39. *S. rivularis*, *Boeck.* 40. *S. griquensium*, *C. B. Clarke.* 41. *S. incomtus*, *Boeck.* 42. *S. expallescens*, *Boeck.* 43. *S. korrovicus*, *C. B. Clarke.* 44. *S. Neesii*, *Boeck.* 45. *S. subprolifer*, *Boeck.* 46. *S. pinguiculus*, *C. B. Clarke.* 47. *S. trachyspermus*, *C. B. Clarke.* 48. *S. Dregeanus*, *C. B. Clarke.* 49. *S. bonariensis*, *Poir.*

***Thouarsianae.* Parvae. Culmi monocephali, 1-16-stachyi. Stylus 2-fidus.

50. *S. Thouarsianus*, *Schultes.* 51. *S. basilaris*, *C. B. Clarke.** 52. *S. perpusillus*, *Boeck.* 53. *S. dichromenoides*, *C. B. Clarke.** 54. *S. Philippii*, *C. B. Clarke.*

****Setaceae*. Parvae aut mediocres. Culmi monocephali,
1-16-stachyi. Stylus 3-fidus. Nux trabeculata.

55. *S. setaceus*, *Linn.* 56. *S. diabolicus*, *Steud.*
57. *S. macer*, *Boeck.* 58. *S. costatus*, *Boeck.*

*****Holoschoeneae*. *Mediocres aut magnae. Capita
solitaria aut umbellata. Nux levis.*

†Stylus 2-fidus.

59. *S. Beccarii*, *Boeck.* 60. *S. cyperoides*, *Poir.*
61. *S. blepharolepis*, *Benth.* 62. *S. cubensis*,
Kunth.

††Stylus 3-fidus.

63. *S. flaccifolius*, *Steud.* 64. *S. Moseleyanus*,
Boeck. 65. *S. sulcatus*, *Thouars.* 66. *S. prolifer*,
Rottb. 67. *S. nodosus*, *Rottb.* 68. *S. dioicus*, *Boeck.*
69. *S. membranaceus*, *Thunb.* 70. *S. Holoschoenus*,
Linn. 71. *S. Burkei*, *C. B. Clarke.* 72. *S. giganteus*,
Kunth. 73. *S. montevidensis*, *C. B. Clarke.**

Sect. IV. EU-SCIRPUS. *Setae saepe obviae. Plantae majus-
culae.*

**Mucronatae*. Culmus monocephalus. *Setae non
plumosae.*

74. *S. supinus*, *Linn.* 75. *S. erectus*, *Poir.* 76. *S.*
articulatus, *Linn.* 77. *S. mucronatus*, *Linn.* 78. *S.*
quinquefarius, *Boeck.* 79. *S. falsus*, *C. B. Clarke.*
80. *S. ficinioides*, *Kunth.* 81. *S. nevadensis*, *S. Wats.*
81 *bis.* *S. chubutensis*, *C. B. Clarke.** 82. *S. criniger*,
A. Gray. 83. *S. adscendens*, *C. B. Clarke.* 84. *S.*
Torreyi, *A. Gray.* 85. *S. americanus*, *Pers.* 86. *S.*
limensis, *C. B. Clarke.** 87. *S. Olneyi*, *A. Gray.*

***Lacustres*. Inflorescentia umbellata. *Setae non
plumosae.*

88. *S. triqueter*, *Linn.* 89. *S. macranthus*, *Boeck.*
90. *S. lacustris*, *Linn.* 91. *S. corymbosus*, *Rottb.*
92. *S. paludicola*, *Kunth.* 92 *bis.* *S. muricinux*,
*C. B. Clarke.** 93. *S. varius*, *C. B. Clarke.* 94. *S.*
mexicanus, *Britton.* 95. *S. potosiensis*, *C. B. Clarke.**
96. *S. filipes*, *C. B. Clarke.* 97. *S. maritimus*, *Linn.*
98. *S. laeteflorens*, *C. B. Clarke.* 99. *S. grossus*,
Linn. f. 100. *S. asper*, *Presl.*

****Littorales*. *Setae plumosae.*

101. *S. littoralis*, *Schrad.* 102. *S. riparius*, *Presl.*

Sect. V. BLYSMUS. *Spiculae imperfecte spicatae.*

103. *S. Caricis*, *Retz.* 104. *S. rufus*, *Schrad.*
105. *S. subcapitatus*, *Thw.*

Sect. VI. SEIDLIA. Foliigeræ. Paniculatae.

106. *S. sylvaticus*, *Linn.* 107. *S. atrovirens*, *Willd.* 108. *S. radicans*, *Schrad.* 109. *S. polyphyllus*, *Vahl.* 110. *S. divaricatus*, *Ell.* 111. *S. polystachyus*, *F. Muell.* 112. *S. fuirenoides*, *Hemsl.* 113. *S. lineatus*, *Michx.* 114. *S. Eriophorum* *Michx.* 115. *S. Maximowiczii*, *C. B. Clarke.** 116. *S. ternatensis*, *Miq.*

Sect. VII. MICHELIANAÆ. Humiles. Foliosae. Monocephalae.

**Stylus 3-fidus.*

117. *S. deserticola*, *Phil.* 118. *S. atacamensis*, *Boeck.* 119. *S. Hieronymi*, *Boeck.* 120. *S. distichophyllus*, *Boeck.* 121. *S. acaulis*, *Phil.* 121 *bis.* *S. macrolepis*, *Phil.* 122. *S. Hahnii*, *C. B. Clarke.** 123. *S. kyllingioides*, *Boeck.* 124. *S. Steudneri*, *Boeck.* 125. *S. Lugardi*, *C. B. Clarke.* 126. *S. occultus*, *C. B. Clarke.* 127. *S. Stauntoni*, *C. B. Clarke.*

***Stylus 2-fidus.*

128. *S. Michelianus*, *Linn.* 129. *S. humillimus*, *Benth.*

Sect. VIII. MICROSTYLAE. Stylus brevissimus, deciduus; rami breviusculi recurvati. Teneriores, foliatae. Spiculae 1-4, densiflorae, capitatae. Antherae parvae, oblongae.

**Squarrosae.* Styli 3-fidi. Glumae caudatae.

130. *S. squarrosus*, *Linn.* 131. *S. Dietrichiae*, *Boeck.* 132. *S. Hystrix*, *Thunb.*

**Hemicarpha.* Styli 2-fidi.

133. *S. Isolepis*, *Boeck.* 134. *S. micranthus*, *Vahl.* 135. *S. occidentalis*, *C. B. Clarke.**

Sect. IX. DESMOSCHOENUS. Culmus elatus, ab inflorescentiâ apice tortus.

136. *S. frondosus*, *Boeck.*

Sect. X. PSEUDOSCHOENUS. Habitus et inflorescentia *Schoeni*. Panicula angusta elongata.

137. *S. spathaceus*, *Krauss.*

12. FICINIA, Schrad.

Sect. I. SICKMANNIA. Stylus subindivisus.

1. *F. radiata*, *Kunth.*

Sect. II. CAPITATA. Spiculae sub-1-sexuales, capitatae.

2. *F. ixioïdes*, *Nees.*

Sect. III. EU-FICINIA. Culmi nudi. Glumae 3-multi-spirae.

A. Culmi monostachyi.

3. *F. scariosa*, *Nees*. 4. *F. Zeyheri*, *Boeck*. 5. *F. pusilla*, *C. B. Clarke*. 6. *F. micrantha*, *Boeck*.
6 bis. *F. mucronata*, *C. B. Clarke*.*

B. Culmi monocephali.

**Stylus 2-fidus*.

7. *F. lateralis*, *Kunth*.

***Stylus 3-fidus*.

†Aphyllae.

8. *F. repens*, *Kunth*. 9. *F. sylvatica*, *Kunth*. 10. *F. rugulosa*, *C. B. Clarke*. 11. *F. leiocarpa*, *Nees*.
12. *F. punctata*, *Krauss*.

††Foliigerae. Spiculae 1-5, digitatae.

13. *F. filiformis*, *Schrad*. 14. *F. Bergiana*, *Kunth*.
15. *F. stolonifera*, *Boeck*. 16. *F. tristachya*, *Nees*.
17. *F. albicans*, *Nees*. 18. *F. minutiflora*, *C. B. Clarke*.* 19. *F. subacuta*, *C. B. Clarke*. 20. *F. tribracteata*, *Boeck*. 21. *F. quinquangularis*, *Boeck*.
22. *F. involuta*, *Nees*. 23. *F. Kunthiana*, *Boeck*.

†††Foliigerae. Spiculae magis numerosae. Capita saepe subcomposita.

24. *F. laciniata*, *Nees*. 25. *F. paradoxa*, *Nees*.
26. *F. Ecklonea*, *Nees*. 27. *F. laevis*, *Nees*. 28. *F. brevifolia*, *Nees*. 29. *F. elongata*, *Boeck*. 30. *F. acuminata*, *Nees*. 31. *F. cinnamomea*, *C. B. Clarke*. 32. *F. gracilis*, *Schrad*. 33. *F. latinux*, *C. B. Clarke*. 34. *F. tenuifolia*, *Kunth*. 35. *F. acrostachys*, *C. B. Clarke*. 36. *F. dasystachys*, *C. B. Clarke*. 37. *F. MacOwani*, *C. B. Clarke*.

††††Foliigerae. Bracteae magis conspicuae, basi dilatatae.

38. *F. setiformis*, *Schrad*. 39. *F. lithosperma*, *Boeck*. 40. *F. lucida*, *C. B. Clarke*. 41. *F. pinguior*, *C. B. Clarke*. 42. *F. truncata*, *Schrad*. 43. *F. praemorsa*, *Nees*. 44. *F. pygmaea*, *Boeck*. 45. *F. clandestina*, *Boeck*. 46. *F. bracteata*, *Boeck*. 47. *F. fastigiata*, *Nees*.

C. Spiculae plus minus disjunctae.

48. *F. fascicularis*, *Nees*. 49. *F. anceps*, *Nees*.
50. *F. ligulata*, *C. B. Clarke*.* 51. *F. monticola*, *Kunth*. 52. *F. bulbosa*, *Nees*. 53. *F. secunda*, *Kunth*. 54. *F. compasbergensis*, *Drège*.

Sect. IV. ACROLEPIS. Culmi in parte superiore nodosi foliigeri.

55. *F. trichodes*, *Benth. & Hook. f.* 56. *F. ferruginea*, *C. B. Clarke*. 57. *F. ramosissima*, *Kunth*

Sect. V. HEMICHLAENA. Glumae inferiores remotiusculae, subdistichae.

58. *F. angustifolia*, *C. B. Clarke*. 59. *F. distans*, *C. B. Clarke*.* 60. *F. longifolia*, *C. B. Clarke*.
61. *F. capillifolia*, *C. B. Clarke*.

13. ERIOPHORUM, Linn.

Sect. I. TRICHOPHORUM. Setae 6. apice fere integrae vel parum diversae.

1. *E. alpinum*, *Linn.*

Sect. II. Setae 6 usque ad basin 4-6-laciniatae. Culmi monostachyi.

2. *E. Scheuchzeri*, *Hoppe*. 3. *E. Chamissonis*, *C. A. Mey.* 4. *E. vaginatum*, *Linn.*

Sect. III. Setae numerosae. Culmi pluristachyi. Glumae scariosae, vix carinatae.

a *Glumae nigricantes, sub-1-nerviae.*

5. *E. angustifolium*, *Roth.* 6. *E. gracile*, *Koch.*
7. *E. latifolium*, *Hoppe.*

β *Glumae ferrugineae, plurinerviae.*

8. *E. virginicum*, *Linn.*

Sect. IV. LACHNOPHORUM. Setae numerosae, culmi poly- (vel pluri-) stachyae. Glumae carinatae, fere ut *Scirpi*.

9. *E. comosum*, *Nees.* 10. *E. microstachyum*, *Boeck.*

14. FUIRENA, Rottb.

Sect. I. VAGINARIA. Aphylla.

1. *F. scirpoidea*, *Michx.*

Sect. II. INCOMPLETAE.

a Pseudo-Isolepis. Setae 0.

2. *F. pubescens*, *Kunth.* 3. *F. pygmaea*, *Ridl.* 4. *F. abnormalis*, *C. B. Clarke.* 5. *F. Welwitschii*, *Ridl.*

b Pseudo-Scirpus. Setae subulatae.

6. *F. incompleta*, *Nees.* 7. *F. stricta*, *Steud.* 8. *F. chlorocarpa*, *Ridl.*

Sect. III. TRABECULATAE. Nux trabeculata aut reticulata.

9. *F. Wallichiana*, *Kunth.* 10. *F. enodis*, *C. B. Clarke.* 11. *F. microlepis*, *Kunth.* 12. *F. coerulescens*, *Steud.* 13. *F. gracilis*, *Kunth.* 14. *F. pachyrrhiza*, *Ridl.*

Sect. IV. GENUIINAE, [Eu-Fuirena]. Petala lata. Nux levis lucida.

a. *Annuae.*

15. *F. glomerata*, Lam. 16. *F. Trilobites*, C. B. Clarke. 17. *F. uncinata*, Kunth. 18. *F. leptostachya*, Oliver.

b. *Rhizoma repens.*

19. *F. Ecklonii*, Nees. 20. *F. glabra*, Kunth. 21. *F. squarrosa*, Michx. 22. *F. simplex*, Vahl. 23. *F. hirta*, Vahl. 24. *F. umbellata*, Rottb. 24 bis. *F. seriata*, C. B. Clarke. 25. *F. robusta*, Kunth. 26. *F. cinerascens*, Ridl. [Addit.—*F. subdigitata*, C. B. Clarke,* *F. Oedipus*, C. B. Clarke.*]

15. LIPOCARPHA, R. Br.

**Spiculae teretes, leves; glumarum apices triangulares subincurvi aut subnulli.*

1. *L. argentea*, R. Br. 2. *L. Humboldtiana*, Nees. 3. *L. filiformis*, Kunth. 4. *L. triceps*, Nees. 5. *L. Prieuriana*, Steud.

***Spiculae quasi-hispidae; glumarum apices triangularia lanceolati aut acuminati, suberecti.*

6. *L. albiceps*, Ridl. 7. *L. purpureo-lutea*, Ridl. 8. *L. atra*, Ridl. 9. *L. multibracteata*, C. B. Clarke.

****Spiculae squarrosae; glumarum apices lanceolato-lineares aut lineares, plus minus recurvati.*

10. *L. Sellowiana*, Kunth. 11. *L. Barteri*, C. B. Clarke. 12. *L. pulcherrima*, Ridl. 13. *L. microcephala*, Kunth.

16. ASCOLEPIS, Steud.

Sect. I. EU-ASCOLEPIS. Stylus 3-fidus. Squamellae margines liberi.

a. *Squamellae apex elongato-conicus.*

1. *A. eriocauloides*, Steud. 2. *A. protea*, Welw. 3. *A. pinguis*, C. B. Clarke. 4. *A. anthemiflora*, Welw. 5. *A. speciosa*, Welw. 6. *A. elata*, Welw.

b. *Squamellae late obovatae.*

7. *A. pusilla*, Ridl.

Sect. II. PLATYLEPIS. Stylus 2-fidus. Squamellae margines inferiores connati.

8. *A. capensis*, Ridl. 9. *A. brasiliensis*, C. B. Clarke.

Tribus III. *Ryncosporeae*,

17. DULICHIMUM, L. C. Rich.

1. *D. spathaceum*, L. C. Rich.

18. DICHROMENA, Michx.

Sect. I. Nucis cellulae extimae longitudinaliter oblongae

**Glabrae aut fere glabrae.*

1. *D. Reverchoni*, S. H. Wright. 2. *D. leucocephala*, Michx. 3. *D. latifolia*, Ell. 4. *D. seslerioides*, C. B. Clarke. 5. *D. monostachya*, C. B. Clarke.* 6. *D. setigera*, Kunth.

***Bracteae, basi saltem, saepe plus minus ciliatae.*

7. *D. pubera*, Vahl. 8. *D. ciliata*, Vahl. 9. *D. filiformis*, C. B. Clarke. 10. *D. radicans*, Schlecht. & Cham. 11. *D. Watsoni*, Britton. 12. *D. pulchella*, Kunth. 13. *D. longa*, Lindm. 14. *D. minarum*, C. B. Clarke.* 15. *D. Grisebachii*, C. B. Clarke. 16. *D. gracilis*, C. B. Clarke.* 17. *D. floridensis*, C. B. Clarke.*

Sect. II. Nux levis, tenuiter grossius reticulata, cellulae extimae rotundo-hexagonae.

18. *D. repens*, Vahl.

18. RYNCHOSPORA, Vahl.

Series A. HAPLOSTYLEAE. Stylus indivisus; vel hujus rami parte styli indivisâ breviores.

Divisio I. CAPITATAE. Culmi monocephali.

Sect. I. SPHAEROSCHOENUS. Nux a latere compressa.

1. *R. Wallichiana*, C. B. Clarke. 2. *R. heterocaulis*, C. B. Clarke.*

Sect. II. HAPLOSTYLIS. Nux a dorso compresso.

3. *R. Wightiana*, C. B. Clarke. 4. *R. tenuifolia*, Benth. 5. *R. marginata*, C. B. Clarke.* 6. *R. exserta*, C. B. Clarke.* 7. *R. armerioides*, Presl. 8. *R. monadelpa*, C. B. Clarke.* 9. *R. longisetis*, R. Br. 10. *R. pterochaeta*, F. Muell. 11. *R. minarum*, Steud. 12. *R. crassipes*, Boeck. 13. *R. pterocarpa*, Roem. & Sch. 14. *R. subimberbis*, Griseb. 15. *R. Trichochaeta*, C. B. Clarke.* 16. *R. mexicana*, Steud. 17. *R. dentinux*, C. B. Clarke.* 18. *R. hirta*, Boeck. 19. *R. Riedeliana*, C. B. Clarke.* 20. *R. Leai*, C. B. Clarke.* 21. *R. exilis*, Boeck. 22. *R. curvula*, C. B. Clarke.* 23. *R. subplumosa*, C. B. Clarke.* 24. *R. hispidula*, Griseb. 25. *R. pilosa*, Boeck. 26. *R. globosa*, Roem. & Sch. 27. *R. epiglobosa*, C. B. Clarke.* 28. *R. capitata*, Roem. & Sch. 29. *R. albiceps*, Kunth. 30. *R. elatior*,

Kunth. 31. *R. Burchellii*, *C. B. Clarke*.* 32. *R. erinacea*, *C. B. Clarke.* 33. *R. longibracteata*, *Boeck.* 34. *R. rigida*, *Boeck.* 35. *R. consanguinea*, *Boeck.* 36. *R. speciosa*, *Boeck.* 37. *R. Warmingii*, *Boeck.*

Divisio 2. POLYCEPHALAE. Capita globosa, spicata, aut corymbosa.

38. *R. malasica*, *C. B. Clarke.* 39. *R. cyperoides*, *Mart.* 39 bis. *R. Hassleri*, *C. B. Clarke*.* 40. *R. exaltata*, *Kunth.* 41. *R. Beyrichii*, *Steud.* 42. *R. aberrans*, *C. B. Clarke*.* 43. *R. Schwackei*, *C. B. Clarke*.* 44. *R. Ridleyi*, *C. B. Clarke*.*

Divisio 3. CALYPTROSTYLIS. Spiculae (solitariae aut fasciculatae, paniculatae.

Sect. I. AUREAE. Paniculae rami corymbosi aut pseudo-umbellati.

45. *R. aurea*, *Vahl.* 46. *R. triflora*, *Vahl.* 47. *R. trispicata*, *Steud.* 48. *R. Hookeri*, *C. B. Clarke.* 49. *R. spectabilis*, *Krauss.* 50. *R. gigantea*, *Link.* 51. *R. scutellata*, *Griseb.* 52. *R. scaberrima*, *Boeck.* 53. *R. splendens*, *Lindm.* 54. *R. Glaziovii*, *Boeck.* 55. *R. subsetosa*, *C. B. Clarke*.* 56. *R. amazonica*, *Poepp.* 57. *R. viridi-lutea*, *C. B. Clarke*.* 58. *R. corymbifera*, *Nees.* 59. *R. laxa*, *Vahl.* 60. *R. rostrata*, *Chodat.* 61. *R. organensis*, *C. B. Clarke*.* 62. *R. orizabensis*, *Britton.* 63. *R. stenocarpa*, *Kunth.*

Sect. II. RACEMOSAE. Paniculi rami racemosi aut anguste paniculati.

64. *R. racemosa*, *C. Wright.* 65. *R. dissitiflora*, *Boeck.* 66. *R. uniflora*, *Boeck.* 67. *R. cryptantha*, *C. B. Clarke*.* 68. *R. boliviensis*, *C. B. Clarke*.* 69. *R. elongata*, *Boeck.*

Sect. III. PSEUDO-CAPITATAE. Capita pauca, approximata, saepe congesta.

70. *R. recurvata*, *Steud.* 71. *R. hemicephala*, *Boeck.* 72. *R. rectigluma* [nomen = *Dichromena setigera*, *Kunth*]. 73. *R. patuligluma*, *Lindm.* 74. *R. ciliolata*, *Boeck.* 75. *R. [lapensis]*, *C. B. Clarke*.* 76. *R. albida*, *Boeck.* 77. *R. caracasana*, *Boeck.*

Sect. IV. PANICULATAE. Spiculae ∞ , 1-2-nucigerae. Paniculae compositae.

78. *R. polyphylla*, *Vahl.* 79. *R. locuples*, *C. B. Clarke*.* 80. *R. Mandoni*, *C. B. Clarke*.* 80 bis. *R. Weberbaueri*, *C. B. Clarke*.* 81. *R. Schiedeana*, *Kunth.* 82. *R. aristata*, *Boeck.* 83. *R. Lechleri*, *Steud.* 84. *R. macrochaeta*, *Steud.* 84 bis. *R. ecuadorensis*, *C. B. Clarke*.* 85. *R. Kuntzei*, *C. B. Clarke*.*

86. *R. Vulcani*, Boeck. 87. *R. Ruiziana*, Boeck. 88. *R. Hieronymi*, Boeck. 89. *R. Tuereckheimii*, Britton. 90. *R. infuscata*, Boeck. 91. *R. rudis*, C. B. Clarke.* 92. *R. umbraticola*, Kunth.

Series B. DIPLOSTYLEAE.

Divisio 4. PSILOCARYA. Setae 0.

Sect. I. EU-PSILOCARYA. Spiculae 3-pluri-nucigeræ.

93. *R. scirpoides*, Griseb. 94. *R. nitens*, A. Gray. 95. *R. corymbiformis*, Britton. 95 bis. *R. Schroeteri*, K. Schum.* 96. *R. trichodes*, C. B. Clarke. 97. *R. candida*, C. B. Clarke. 98. *R. robusta*, Boeck. 99. *R. eximia*, Boeck. 100. *R. velutina*, Boeck. 101. *R. rufa*, Boeck.

Sect. II. PAUCI-NUCIGERAE. Spiculae 2-1-nucigeræ.

†*Nux transversim undulata*.

102. *R. micrantha*, Vahl. 103. *R. tenuis*, Link. 104. *R. subtilis*, Boeck. 105. *R. Spruceana*, C. B. Clarke.* 106. *R. luzuliformis*, Boeck. 107. *R. Lundii*, Boeck. 108. *R. confinis*, C. B. Clarke.* 109. *R. stricta*, Boeck. 110. *R. demerarensis*, C. B. Clarke.* 111. *R. pseudo-lunata*, Boeck. 112. *R. gracillima*, C. B. Clarke. 113. *R. Berterii*, C. B. Clarke. 114. *R. junciformis*, Boeck. 115. *R. tenerrima*, Nees. 116. *R. pusilla*, Chapm. 117. *R. tenella*, Boeck. 118. *R. Juncellus*, C. B. Clarke.

††*Nux levis aut reticulata, nec transversim undulata*.

119. *R. Pringlei*, C. B. Clarke.* 120. *R. divergens*, Chapm. 121. *R. Chapmanii*, M. A. Curt. 122. *R. biflora*, Boeck. 123. *R. nardiflora*, Boeck. 124. *R. longispicata*, C. B. Clarke. 125. *R. brevirostris*, Griseb. 126. *R. hirsuta*, Vahl. 127. *R. Barteri*, C. B. Clarke.

Divisio 5. EU-RYNCHOSPORA. Setae obviae.

Sect. I. PLUMOSAE. Setae plumosae.

128. *R. oligantha*, A. Gray. 129. *R. plumosa*, Ell. 130. *R. semiplumosa*, A. Gray. 131. *R. pineticola*, C. B. Clarke.* 132. *R. lunata*, Griseb.

Sect. II. ALBAE. Setae retrorsim, scabrae.

133. *R. alba*, Vahl. 134. *R. capillacea*, Torr. 135. *R. Knieskernii*, J. Carey. 136. *R. Faberi*, C. B. Clarke. 137. *R. glomerata*, Vahl. 138. *R. axillaris*, Britton. 139. *R. Fauriei*, Lév. 140. *R. Franchetiana*, Lév.

Sect. III. FUSCAE. Setae antrorsim, scabrae. Nux levis, i.e., non aut vix undulata.

†*Nucis rostrum scabrum.*

141. *R. fusca*, Link. 142. *R. filifolia*, Torr. 143. *R. fuscoides*, C. B. Clarke. 144. *R. leptorrhyncha*, C. Wright.

††*Nucis rostrum leve.*

145. *R. Hildebrandtii*, C. B. Clarke. 146. *R. larvarum*, Gaudich. 147. *R. spicaeformis*, Hillebr. 148. *R. distans*, Vahl. 149. *R. fascicularis*, Vahl. 150. *R. pallida*, M. A. Curt. 151. *R. Lindeniana*, Griseb. 152. *R. gracilentata*, A. Gray. 153. *R. ciliata*, Vahl. 154. *R. Baldwinii*, A. Gray. 155. *R. Grayii*, Britton.

†††*Nux permagna.*

156. *R. dodecandra*, Balduw.

††††*Leptoschoenus.* Corymbi subumbellata, spicae parvae, e spiculis 1-4 capitellatis in ramis remote subspicatae.

157. *R. prolifera*, C. B. Clarke.*

†††††*Pseudo-aureae.* Plantae robustae. Corymbi compositi ∞-stachyi subdistanter paniculati.

158. *R. metralis*, C. B. Clarke.* 159. *R. paraënsis*, Kunth. 160. *R. thyrsoidea*, Nees.

††††††*Spiculae* 10-20-glumae, duriusculae, glumae subcorneae. Bracteeae basi, cum apice culmi rhachique paniculae, breviter pilosae.

161. *R. cephalotes*, Vahl. 162. *R. cariciformis*, Nees. 163. *R. comata*, Schultes.

Sect. IV. GLAUCAE. Setae antrorsim scabrae. Nux transversim undulata.

†*Planta cosmopolitana.*

164. *R. glauca*, Vahl.

††*Indicae.*

165. *R. Griffithii*, C. B. Clarke. 166. *R. sikimensis*, C. B. Clarke.

†††*Species in Americâ boreali vigentes.*

a. *Species in Prov. Unit. Americae orient. endemicae.*

167. *R. Torreyana*, A. Gray. 168. *R. caduca*, Ell. 169. *R. schoenoides*, Britton. 170. *R. patula*, A. Gray. 171. *R. inexpansa*, Vahl. 172. *R. stipitata*, Chapm.

b. *Species in Prov. Unit. Americae orientali.*
Etiamque in Indiâ orientali vigentes.

173. *R. cymosa*, *Ell.* 174. *R. rariflora*, *Ell.* 175.
R. microcarpa, *A. Gray.* 176. *R. stenophylla*,
Chapm. 177. *R. sparsa*, *Vahl.*

†††† *Species in Neotropica endemicae.*

178. *R. Kunthii*, *Nees.* 179. *R. Schaffneri*, *Boeck.*
180. *R. polyantha*, *Steud.* 181. *R. brasiliensis*, *Boeck.*
182. *R. Gollmeri*, *Boeck.* 183. *R. flexuosa*, *C. B.*
*Clarke.** 184. *R. cubensis*, *A. Rich.* 185. *R.*
Marisculus, *Nees.* 186. *R. pruinosa*, *Griseb.* 187.
R. cernua, *Griseb.* 188. *R. Urbani*, *Boeck.* 189. *R.*
Sellowiana, *Steud.*

20. CYATHOCHAETA, Nees.

1. *C. clandestina*, *Benth.* 2. *C. avenacea*, *Benth.*
3. *C. diandra*, *Nees.*

21. PLEUROSTACHYS, Brongn.

Series I. *Folia linearia.*

a. *Spiculae minutae.*

**Culmi basi stricti; folia superiora dense approxi-*
ximata.

1. *P. foliosa*, *Kunth.* 2. *P. Sellowii*, *Kunth.*
3. *P. distichophylla*, *C. B. Clarke.** 4. *P. longa*,
Lindm. 5. *P. Pearcei*, *C. B. Clarke.**

***Culmi basi stricti; folia superiora distantia.*

6. *P. gracilis*, *Boeck.**

****Culmi basi plurifoliati; folia superiora basalibus*
breviora.

7. *P. graminifolia*, *Brongn.* 8. *P. bracteolata*,
*C. B. Clarke.** 9. *P. puberula*, *Boeck.* 10. *P. Mille-*
grana, *Steud.* 11. *P. Beyrichii*, *Steud.*

b. *Spiculae parvae aut mediocres, nec minutae.*

12. *P. sparsiflora*, *Kunth.* 13. *P. macrantha*,
Kunth. 14. *P. stricta*, *Kunth.* 15. *P. Douglasi*,
*C. B. Clarke.** 16. *P. Regnellii*, *C. B. Clarke.**
16 *bis.* *P. scaposa*, *C. B. Clarke.**

Series II. *Folia lanceolata.*

c. *Spiculae minutae.*

17. *P. Urvillei*, *Brongn.* 18. *P. Martiana*, *Steud.*
19. *P. Gaudichaudii*, *Brongn.* 20. *P. peruviana*, *C. B.*
*Clarke.** 21. *P. Kunthiana*, *C. B. Clarke.**

d. *Spiculae parvae nec minutae.*22. *P. tenuiflora*, *Brongn.*Tribus IV. *Schoeniae.*22. CARPHA, *R. Br.*Series A. *Species in Oceaniâ aut Argentinâ vigentes.*1. *C. alpina*, *R. Br.* 2. *C. deusta*, *R. Br.* 2 bis. *C. graciliceps*, *C. B. Clarke.** 3. *C. antarctica*, *C. B. Clarke.* 4. *C. paniculata*, *Phil.*Series B. *Species in Ethiopiâ vigentes.*5. *C. borbonica*, *C. B. Clarke.* 6. *C. Aubertii*, *Nees.* 7. *C. Eminii*, *C. B. Clarke.* 8. *C. elongata*, *Boeck.* 9. *C. costularioides*, *C. B. Clarke.** 10. *C. bracteosa*, *C. B. Clarke.* 11. *C. capitellata*, *Boeck.* 12. *C. glomerata*, *Nees.* 13. *C. Schlechteri*, *C. B. Clarke.**23. ECKLONEA, *Steud.*1. *E. capensis*, *Steud.* 2. *E. solitaria*, *C. B. Clarke.**24. SCHOENUS, *Linn.*Subgen. I. *EU-SCHOENUS.*Series A. *Capitatae. Culmi monocephali, basi tantum nodosi foliigeri.*Sect. I. *ROBUSTIORES, saepe pleiostachyi.***Spiculae majusculae.*1. *S. ferrugineus*, *Linn.* 2. *S. nigricans*, *Linn.* 3. *S. cruentus*, *Benth.* 4. *S. compressus*, *Benth.* 5. *S. lanatus*, *Labill.* 6. *S. flavus*, *Boeck.* 7. *S. barbatus*, *Boeck.* 8. *S. brevisetus*, *Poir.* 9. *S. globifer*, *Boeck.****Spiculae minusculae.*10. *S. curvifolius*, *Poir.* 11. *S. capitatus*, *F. Muell.* 12. *S. turbinatus*, *Poir.* 13. *S. ericetorum*, *R. Br.* 14. *S. imberbis*, *R. Br.* 15. *S. aphyllus*, *Boeck.* 15 bis. *S. sesquispiculus*, *C. B. Clarke.** 16. *S. Drummondii*, *Benth.* 17. *S. nitens*, *Poir.* 18. *S. cygneus*, *Nees.*Sect. II. *HUMILES. Culmi humiles, monostachyi.*19. *S. unispicatus*, *Benth.* 20. *S. deformis*, *Poir.* 21. *S. breviculmis*, *Benth.* 22. *S. pleiostemoneus*, *F. Muell.* 23. *S. trachycarpus*, *F. Muell.* 24. *S. nanus*, *Benth.* 25. *S. minutulus*, *F. Muell.*

Series B. Pedunculatae. Culmi pleiostachyi, supra basin nodosi.

Sect. I. STRICTAE.

26. *S. obtusifolius*, Boeck. 27. *S. grammatophyllus*, F. Muell. 28. *S. asperocarpus*, F. Muell. 29. *S. Moorei*, Benth. 30. *S. villosus*, R. Br. 31. *S. grandiflorus*, F. Muell.

Sect. II. CALOSTACHYAE.

32. *S. calostachyus*, Poir. 33. *S. efoliatus*, F. Muell. 34. *S. multiglumis*, Benth. 35. *S. scabripes*, Benth. 36. *S. acuminatus*, R. Br.

Sect. III. PANICULATAE.

**Folia longa.*

37. *S. falcatus*, R. Br. 38. *S. punctatus*, R. Br. 39. *S. Hornei*, C. B. Clarke. 40. *S. neo-caledonicus*, C. B. Clarke.* 41. *S. arundinaceus*, Forst. 42. *S. comosus*, C. B. Clarke.*

***Folia mediocria.*

a. *Vaginae in ore glabrae.*

43. *S. bifidus*, Boeck. 44. *S. sodalium*, Hariot. 45. *S. pauciflorus*, Hook. f. 45 bis. *S. Carsei*, Cheesm. 46. *S. brevifolius*, R. Br. 47. *S. melanostachys*, R. Br.

b. *Vaginae in ore ciliatae.*

48. *S. pedicellatus*, Poir. 49. *S. fascicularis*, Nees. 50. *S. sparteus*, R. Br. 50 bis. *S. juvenis*, C. B. Clarke.* 51. *S. Tendo*, Hook. f. 52. *S. vaginatus*, Benth. 53. *S. indutus*, Benth.

Series C. Microcarpeae. Parvae. Inflorescentia axillaris.

54. *S. apogon*, Roem. & Sch. 55. *S. odontocarpus*, F. Muell. 56. *S. sublateralis*, C. B. Clarke.* 57. *S. sculptus*, Boeck. 58. *S. humilis*, Benth. 59. *S. axillaris*, Poir. 60. *S. natans*, Benth. 61. *S. fluitans*, Hook. f.

Subgen. II. *LEPIDOSPORA*; *Setae Lepidospermatis.*

62. *S. tenuissimus*, Benth.

25. *PHYLLOSCIRPUS*, C. B. Clarke.*

i. *P. andesinus*, C. B. Clarke.*

26. *MACROCHAETIUM*, Steud.

1. *M. Dregei*, Steud.

27. *TETRARIOPSIS*, C. B. Clarke.*

1. *T. octandra*, C. B. Clarke.*

28. CLADIUM, P. Br.

Subgen. I. *EU-CLADIUM*. Corymbi compositi, in paniculâ oblongâ sustenti.

1. *C. jamaicense*, *Crantz*. 2. *C. triglomeratum*, *Nees*.

Subgen. II. *MACHAERINA*. Spicularum fasciculati paniculati.

3. *C. restioides*, *Benth*. 4. *C. Maingayi*, *C. B. Clarke*. 5. *C. hirtum*, *C. B. Clarke*.* 6. *C. filifolium*, *Benth*. 7. *C. undulatum*, *Thw*. 7 bis. *C. distichum*, *C. B. Clarke*.

Subgen. III. *VINCENTIA*. Setae nullae aut minutae. Nux stipitata, triquetra, apice basique attenuata.

8. *C. angustifolium*, *Drake*. 9. *C. insulare*, *Benth*. 10. *C. samoëse*, *Stapf*. 11. *C. falcatum*, *C. B. Clarke*.* 12. *C. Sinclairii*, *Hook. f.* 13. *C. iridifolium*, *Baker*. 14. *C. scirpoideum*, *Hemsl*. 15. *C. ficticium*, *Hemsl*. 16. *C. ensifolium*, *Benth*.

Subgen. IV. *BAUMEA*. Setae nullae aut minutae. Nux basi pyramidata.

**Folia xiphoidea, apice plana ecarinata.*

†Nucis rostrum pyramidale acutum, plus minus pilosulum.

17. *C. Drummondii*, *C. B. Clarke*.* 18. *C. anceps*, *Hook. f.* 19. *C. globiceps*, *C. B. Clarke*.* 20. *C. flexuosum*, *C. B. Clarke*. 21. *C. ensigerum*, *Hance*. 22. *C. Milnei*, *C. B. Clarke*.* 23. *C. mariscoides*, *Villar*. 24. *C. Meyenii*, *Drake*. 25. *C. micranthes*, *C. B. Clarke*.*

††Nucis rostrum ovoideum aut depressum non acutum.

26. *C. Deplanchei*, *C. B. Clarke*.* 27. *C. complanatum*, *Berggr.* 28. *C. latissimum*, *F. Muell.* 29. *C. Muelleri*, *C. B. Clarke*.* 30. *C. laxum*, *Benth*.

***Folia intermedia, i.e. vix xiphoidea vix teretia.*

31. *C. riparium*, *Benth*. 32. *C. teretifolium*, *R. Br.* 33. *C. Huttoni*, *T. Kirk*. 34. *C. schoenoides*, *R. Br.*

****Folia apice teretia aut 3-4-gona.*

†Folia transversim septata.

35. *C. articulatum*, *R. Br.* 36. *C. arthrophyllum*, *F. Muell.*

††Folia non septata, elongata.

37. *C. glomeratum*, *R. Br.* 38. *C. elynanthoides*, *F. Muell.* 39. *C. Filum*, *R. Br.* 40. *C. Gunnii*, *Hook. f.*

†††Folia non septata, abbreviata aut vix ulla.

41. *C. Vauthiera*, *C. B. Clarke*.* 42. *C. vaginale*,
Benth. 43. *C. borneense*, *Stapf.* 44. *C. junceum*,
R. Br. 45. *C. capillaceum*, *R. Br.*

29. LEPIDOSPERMA, Labill.

Series A. Culmi (saepe conspicui) compressi, vel 3-4-angulati.
Folia (praeter *L. aphyllum*) evoluta.

**Panicula pyramidalis densa.*

1. *L. gladiatum*, *Labill.* 2. *L. effusum*, *Benth.*
3. *L. rupestre*, *Benth.* 4. *L. elatius*, *Labill.* 5. *L.*
tetraquetrum, *Nees.* 6. *L. Oldfieldii*, *Nees.* 7. *L.*
longitudinale, *Labill.* 8. *L. exaltatum*, *R. Br.* 9.
L. concavum, *R. Br.* 10. *L. squamatum*, *Labill.*
11. *L. angustatum*, *R. Br.* 12. *L. ustulatum*, *Steud.*

***Panicula oblonga aut elongato-oblonga.*

13. *L. resinosum*, *Benth.* 14. *L. viscidum*, *R. Br.*
15. *L. Drummondii*, *Benth.* 16. *L. tuberculatum*,
Nees. 17. *L. Brunonianum*, *Nees.* 18. *L. laterale*,
R. Br. 19. *L. costale*, *Nees.* 20. *L. globosum*, *Labill.*
21. *L. lineare*, *R. Br.* 22. *L. aphyllum*, *R. Br.*

Series B. Culmi angusti, paullo compressi, aut tetragoni teretes.
Folia evoluta.

23. *L. Benthamianum*, *C. B. Clarke*.* 24. *L.*
pubisquameum, *Steud.* 25. *L. tortuosum*, *F. Muell.*

Series C. Culmi teretes aut plus minus 3-4-goni.

26. *L. scabrum*, *Nees.* 27. *L. gracile*, *R. Br.* 28. *L.*
tenue, *Benth.* 29. *L. leptostachyum*, *Benth.* 30. *L.*
leptophyllum, *Benth.* 31. *L. flexuosum*, *R. Br.*
32. *L. filiforme*, *Labill.* 33. *L. striatum*, *R. Br.*
34. *L. Exsul*, *C. B. Clarke*.* 35. *L. Neesii*, *Kunth.*
36. *L. carphoides*, *Benth.* 37. *L. chinense*, *Nees.*
38. *L. perteres*, *C. B. Clarke*.*

30. TRICOSTULARIA, Nees.

1. *T. pauciflora*, *Benth.* 2. *T. compressa*, *Nees.*
3. *T. Neesii*, *Lehm.*

31. MICROSCHOENUS, C. B. Clarke.

1. *M. Duthiei*, *C. B. Clarke.*

32. COSTULARIA, C. B. Clarke.

Sect. I. Panicula elongata, laxa; spiculae fere omnes pedi-
cellatae. Setae cum nuce subaequilongae, apice
antice scabrae.

1. *C. paludosa*, *C. B. Clarke*.* 2. *C. recurva*,
C. B. Clarke. 3. *C. brevicaulis*, *C. B. Clarke.*

Sect. II. Panicula elongata, densiuscula; spiculae per-numerosae. Setae nucem longe superantes, apice magis pilosae.

4. *C. Baroni*, *C. B. Clarke*. 5. *C. natalensis*, *C. B. Clarke*. 6. *C. Pantopodum*, *C. B. Clarke*. 7. *C. Melleri*, *C. B. Clarke*. 8. *C. melicoides*, *C. B. Clarke*.*

33. EPISCHOENUS, *C. B. Clarke*.

1. *E. quadrangularis*, *C. B. Clarke*.

34. TETRARIA, Beauv.

Sect. I. AULACORRHYNCHUS. Flore diclines, monoici. Spicula foeminea 1-flora, ceteroquin ut §III.

1. *T. crinifolia*, *C. B. Clarke*.

Sect. II. HEMISCHOENUS. Flos inferior 2-sexualis, nucem maturans. Spiculae fere omnes 1-florae.

2. *T. cuspidata*, *C. B. Clarke*.

Sect. III. ELYNANTHUS. Flos inferior masculus, pistillo effeto, superior 2-sexualis nucem maturans. Stamina 3- (vel 4-) -fidus. Glumae vacuae superiores vix aristatae.

3. *T. Dregeana*, *C. B. Clarke*. 4. *T. Bolusi*, *C. B. Clarke*. 5. *T. sylvatica*, *C. B. Clarke*. 6. *T. ligulata*, *C. B. Clarke*. 7. *T. lucida*, *C. B. Clarke*.* 8. *T. picta*, *C. B. Clarke*. 9. *T. pleiosticha*, *C. B. Clarke*. 10. *T. ferruginea*, *C. B. Clarke*. 11. *T. Wallichiana*, *C. B. Clarke*. 12. *T. fimbriolata*, *C. B. Clarke*. 13. *T. fasciata*, *C. B. Clarke*. 14. *T. capillacea*, *C. B. Clarke*. 15. *T. aristata*, *C. B. Clarke*. 16. *T. Burmanni*, *C. B. Clarke*. 17. *T. nigrovaginata*, *C. B. Clarke*. 18. *T. circinalis*, *C. B. Clarke*. 19. *T. flexuosa*, *C. B. Clarke*. 20. *T. robusta*, *C. B. Clarke*.

Sect. IV. LEPISIA. Robustiores. Glumae vacuae saepe aristatae. Ceteroquin fere ut §III.

21. *T. thermalis*, *C. B. Clarke*. 22. *T. eximia*, *C. B. Clarke*. 23. *T. triangularis*, *C. B. Clarke*. 24. *T. secans*, *C. B. Clarke*. 25. *T. Rottboellii*, *C. B. Clarke*. 26. *T. rottboelloides*, *C. B. Clarke*. 27. *T. involucrata*, *C. B. Clarke*. 28. *T. spiralis*, *C. B. Clarke*. 29. *T. ustulata*, *C. B. Clarke*.

Sect. V. EU-TETRARIA. Stamina 6 vel 8. Stylus 3- (vel 4-) fidus.

30. *T. compar*, *Lestib.* 31. *T. Thuarii*, *Beauv.*
32. *T. australiensis*, *C. B. Clarke*.*

Sect. VI. BUEKIA. Stylus 6- (vel 8-) fidus. Glumae vix distichae.

32. *T. punctoria*, *C. B. Clarke*. 33. *T. MacOwani*, *C. B. Clarke*.

35. MESOMELAENA, Nees.

*Culmi nudi, *i.e.*, folia omnia prope ad basin sita.

1. *M. stygia*, *Nees*. 2. *M. Preissii*, *Nees*. 3. *M. uncinata*, *C. B. Clarke*.*

**Culmi in mediâ parte 1-2-foliati. Caput magnum, 2-3 cm. in diam., bracteis pluribus caput superantibus.

4. *M. tetragona*, *Benth*.

36. GYMNOSCHOENUS Nees.

1. *G. adustus*, *Nees*. 2. *G. anceps*, *C. B. Clarke*.*

37. REEDIA, F. Muell.

1. *R. spathacea*, *F. Muell*.

38. GAHNIA, J. R. & G. Forst.

Subgenus I. LAMPOCARYA. Spiculae praecipue 1-florae.

**Nux intus transversim laminata*.

1. *G. setifolia*, *Hook. f.* 2. *G. rigida*, *T. Kirk*.
3. *G. pauciflora*, *T. Kirk*. 4. *G. melanocarpa*, *R. Br.*
5. *G. xanthocarpa*, *Hook. f.* 6. *G. robusta*, *T. Kirk*.
7. *G. procera*, *J. R. & G. Forst*.

***Nux intus levis*.

8. *G. aspera*, *Spreng*. 9. *G. lacera*, *Steud*. 10. *G. globosa*, *H. Mann*. 11. *G. tristis*, *Nees*. 12. *G. Beecheyi*, *H. Mann*. 13. *G. schoenoides*, *G. Forst*.
14. *G. Gaudichaudii*, *Steud*. 15. *G. Mannii*, *Hillebr*.

Subgenus II. EU-GAHNIA. Spiculae praecipue 2-florae.

**Nux intus transversim trabeculata*.

16. *G. psittacorum*, *Labill*. 17. *G. tetragonocarpum*, *Boeck*.

***Nux intus levis*.

†Folia inferiora in ore vaginarum glabra.

18. *G. javanica*, *Moritzi*. 19. *G. Radula*, *Benth*.
20. *G. Preissii*, *Nees*. 21. *G. trifida*, *Labill*. 22. *G. Sieberi*, *Boeck*. 23. *G. microstachya*, *Benth*. 24. *G. polyphylla*, *Benth*. 25. *G. graminifolia*, *Rodway*.

††Folia inferiora in ore vaginarum lanato-villosa.

26. *G. deusta*, *Benth.* 27. *G. aristata*, *Benth.*
28. *G. lanigera*, *Benth.*

39. CAUSTIS, *R. Br.*

**Nux in collum sub rostro ovoideo angustata.*

1. *C. pentandra*, *R. Br.* 2. *C. flexuosa*, *R. Br.*

***Nux in collum angustata; spiculae fere omnes unisexuales.*

3. *C. recurvata*, *Spreng.* 4. *C. restiacea*, *Benth.*
5. *C. dioica*, *R. Br.*

****Nux apice rotundata, basi a squamellis involucrata.*

6. *C. squamellata*, *C. B. Clarke.**

*****Nux apice obtusa, basi esquamellata.*

7. *C. erostris*, *C. B. Clarke.**

40. EVANDRA, *R. Br.*

1. *E. aristata*, *R. Br.* 2. *E. pauciflora*, *R. Br.*

41. ARTHROSTYLIS, *R. Br.*

1. *A. aphylla*, *R. Br.*

42. OREOBOLUS, *R. Br.*

1. *O. Pumilio*, *R. Br.* 2. *O. strictus*, *Berggr.* 3.
O. obtusangulus, *Gaudich.* 4. *O. furcatus*, *H. Mann.*

Subordo II. MAPANIAE.

Flos nuciger foemineus terminalis; spicula basi mascula.

43. REMIREA, *Aubl.*

1. *R. maritima*, *Aubl.*

44. HYPOLYTRUM, *L. C. Rich.*

Series I. Neogaeae.

Sect. I. PSEUDO-MAPANIA. Glumae steriles 3-4 inter flores masculos et pistillum.

1. *H. scapigerum*, *Nees.* 2. *H. strictum*, *Kunth.*
3. *H. Jenmani*, *C. B. Clarke.**

Sect. II. Glumae steriles 0-1 inter flores masculos et pistillum.

a. Florum masculorum glumae connatae.

4. *H. pungens*, *Kunth*.

b. Glumae masculae liberae ; folia angustiora.

5. *H. sphaerostachyum*, *Boeck*. 6. *H. longifolium*, *Nees*. 7. *H. irriguum*, *Nees*. 8. *H. laxum*, *Kunth*. 9. *H. nudum*, *C. B. Clarke*.* 10. *H. supervacuum*, *C. B. Clarke*.*

c. Glumae masculae liberae ; folia latiora.

11. *H. condensatum*, *C. B. Clarke*.* 12. *H. sylvaticum*, *C. B. Clarke*. 12 bis. *H. rubescens*, *Huber*.* 12 ter. *H. bullatum*, *C. B. Clarke*.* 12 quat. *H. hoppioides*, *Huber*.* 13. *H. amplum*, *Kunth*. 14. *H. Schraderianum*, *Nees*. 15. *H. microstachyum*, *Boeck*. 16. *H. Glaziovii*, *Boeck*. 17. *H. nicaraguense*, *Liebm*.

Series II. Gerontogaeae.

†Species *H. latifolio*, *L. C. Rich.*, peraffines, forsan nimis affines.

18. *H. latifolium*, *L. C. Rich.* 19. *H. mauritianum*, *Nees*. 20. *H. Wightianum*, *Boeck*. 21. *H. compactum*, *Nees*. 22. *H. turgidum*, *C. B. Clarke*. 23. *H. capitulatum*, *Suring*.* 24. *H. vitiense*, *C. B. Clarke*.* 25. *H. nemorosum*, *Spreng*. 26. *H. lancifolium*, *C. B. Clarke*. 27. *H. trinervium*, *Kunth*. 28. *H. proliferum*, *Boeck*. 29. *H. longirostre*, *Thw*. 30. *H. parvibracteatum*, *C. B. Clarke*.* 31. *H. viridinux*, *C. B. Clarke*. 31 bis. *H. costato-nux*, *C. B. Clarke*.* 32. *H. testaceum*, *C. B. Clarke*. 33. *H. madagascarense*, *C. B. Clarke*.

††Species a *H. latifolio*, *L. C. Rich.*, paullo magis distantes.

34. *H. senegalense*, *C. B. Clarke*. 35. *H. longiscapum*, *C. B. Clarke*. 36. *H. congense*, *Dur. & Wild*. 37. *H. africanum*, *Nees*. 38. *H. seychellense*, *C. B. Clarke*.* 39. *H. xerocarpum*, *C. B. Clarke*.* 40. *H. dissitiflorum*, *Steud*.

Species residuae [numeratae].

41. *H. philippense*, *C. B. Clarke*. 42. *H. penangense*, *C. B. Clarke*. 43. *H. anomalum*, *Steud*. 44. *H. cariciforme*, *Nees*. 45. *H. latifolium*, *Mauray* (non *Rich.*, sp. dub.).

45. THORACOSTACHYUM, *Kurz*.

1. *T. sumatranum*, *Kurz*. 2. *T. bancanum*, *Kurz*. 3. *T. floribundum*, *C. B. Clarke*. 4. *T. angustifolium*, *C. B. Clarke*.* 5. *T. Ridleyi*, *C. B. Clarke*.* 6. *T. hypolytroides*, *C. B. Clarke*.

46. MAPANIA, Aubl.

Subgen. I. *HALOSTEMMA*. Scaposae, angustifoliae. Bracteae capite breviores. Spicae distinctae. Gerontogaeae.

**Asiaticae.*

1. *M. palustris*, *Ridl.* 1 bis. *M. longispica*, *Ridl.*
2. *M. silhetensis*, *C. B. Clarke.* 3. *M. Kurzii*, *C. B. Clarke.* 4. *M. andamanica*, *C. B. Clarke.* 5. *M. multispicata*, *Ridl.* 5 bis. *M. debilis*, *C. B. Clarke.**
5 ter. *M. radians*, *C. B. Clarke.** 6. *M. baccifera*, *C. B. Clarke.**

***Africanæ.*

7. *M. scaberrima*, *C. B. Clarke.* 8. *M. africana*, *Boeck.*

Subgen. II. *PANDANOPHYLLUM*. Folia scapum monocephalum plerumque superantia. Bracteae capite breviores, vel parum longiores. Stylus longus, 3-fidus.

†*Folia basi apiceque sensim attenuata.*

9. *M. enodis*, *C. B. Clarke.** 10. *M. Wallichiana*, *C. B. Clarke.* 11. *M. immersa*, *C. B. Clarke.* 12. *M. squamata*, *C. B. Clarke.** 13. *M. zeylanica*, *C. B. Clarke.* 14. *M. albescens*, *C. B. Clarke.** 15. *M. tenuiscapa*, *C. B. Clarke.* 16. *M. longa*, *Ridl.* 17. *M. longiflora*, *C. B. Clarke.**

††*Folia quasi-petiolata.*

18. *M. humilis*, *Naves & Villar.* 18 bis. *M. petiolata*, *C. B. Clarke.**

Subgen. III. *EU-MAPANIA*. Aphylla, monocephala. Bracteae 3, longae, latae.

19. *M. sylvatica*, *Aubl.*

Subgen. IV. *PYCNOCEPHALA*. Culmus praeter basin nudus. Folia quasi-petiolata, lata, spicae numerosae, inter se distinctae.

**Americanæ. Bracteae longissimæ.*

20. *M. Schomburgkii*, *C. B. Clarke.** 21. *M. pycnocephala*, *Benth.*

***Africanæ. Bracteae 3-4, quarum 1 longissima.*

22. *M. ferruginea*, *Ridl.* 23. *M. superba*, *C. B. Clarke.* 24. *M. Mannii*, *C. B. Clarke.* 25. *M. subcomposita*, *C. B. Clarke.*

****Africana. Bracteae caput paullo superantes.*

26. *M. oblonga*, *C. B. Clarke.*

Subgen. V. *CEPHALOSCIRPUS*. Culmi in parte superiore foliigeri. Spicae magnae, dense capitatae, distinctae. Bracteae longissimae, latae. Nux majuscula stipitata.

27. *M. macrocephala*, *K. Schum.* 28. *M. longifolia*, *C. B. Clarke.** 29. *M. Moseleyi*, *C. B. Clarke.**

Species residuae [numeratae].

30. *M. amphivaginata*, *K. Schum.* 31. *M. secans*, *K. Schum.* 32. *M. dolichostachya*, *K. Schum.* 33. *M. Deistelii*, *K. Schum.*

47. *DIPLASIA*, *L. C. Rich.*

1. *D. karataefolia*, *L. C. Rich.*

48. *SCIRPODENDRON*, *Kurz.*

1. *S. costatum*, *Kurz.*

49. *MAPANIOPSIS*, *C. B. Clarke.**

1. *M. effusa*, *C. B. Clarke.**

50. *EXOCARYA*, *Benth.*

1. *E. sclerioides*, *Benth.*

51. *LEPIRONIA*, *L. C. Rich.*

1. *L. mucronata*, *L. C. Rich.*

52. *CHORISANDRA*, *R. Br.*

1. *C. sphaerocephala*, *R. Br.* 2. *C. enodis*, *Nees.*
3. *C. multiarticulata*, *Nees.* 4. *C. cymbaria*, *R. Br.*

53. *CHRYSITRIX*, *Linn.*

1. *C. capensis*, *Linn.* 2. *C. junciformis*, *Nees.* 3. *C. Dodii*, *C. B. Clarke.** 4. *C. distigmata*, *C. B. Clarke.**

Subordo III. *SCLERIAE*.

Flos nuciger foemineus; spicula nucigera vel apice mascula vel 1-sexualis.

54. *SCLERIA*, *Berg.*

Series I. E spiculis plures androgynae.

Subgen. I. *HYPOPORUM*. Discus obsoletus.

Sect. A. Pergraciles.

1. *S. pergracilis*, *Kunth.* 2. *S. verticillata*, *Willd.*
3. *S. tenella*, *Kunth.* 4. *S. pulchella*, *Ridl.* 5. *S. melanotricha*, *A. Rich.* 6. *S. glomerulata*, *Oliver.*

7. *S. remota*, *Ridl.* 8. *S. Burchellii*, *C. B. Clarke*.*
 9. *S. distans*, *Poir.* 10. *S. Lindleyana*, *C. B. Clarke*.*
 11. *S. hispidula*, *A. Rich.* 12. *S. glabra*, *Boeck.* 13.
S. ustulata, *Ridl.* 14. *S. Liebmanni*, *Steud.* 15. *S.*
minima, *C. B. Clarke*.*

Sect. B. HIRTELLAE. Rhizoma lignescens.

†*Spica simplex.*

16. *S. hirtella*, *Sw.* 17. *S. catophylla*, *C. B.*
Clarke. 18. *S. Mechowiana*, *Boeck.* 19. *S. Meyeriana*,
Kunth. 20. *S. Buchanani*, *Boeck.* 21. *S. erythro-*
rrhiza, *Ridl.* 22. *S. Dregeana*, *Kunth.* 23. *S. Schwein-*
furthiana, *Boeck.* 24. *S. bulbifera*, *A. Rich.* 25. *S.*
Bojeri, *C. B. Clarke.* 25. *S. interrupta*, *L. C. Rich.*

††*Spica ramosa.*

a. *Nux levis.*

27. *S. pleostachya*, *Kunth.* 28. *S. Purdiei*, *C. B.*
Clarke.* 29. *S. Rehmanni*, *C. B. Clarke.* 30. *S.*
Welwitschii, *C. B. Clarke.*

b. *Nux reticulata aut tuberculata.*

31. *S. holcoides*, *Kunth.* 32. *S. Woodii*, *C. B.*
Clarke. 33. *S. Hilsenbergii*, *Ridl.* 34. *S. multi-*
spiculata, *Boeck.* 35. *S. poaeoides*, *Ridl.* 36. *S.*
Bourgeani, *Boeck.* 37. *S. leptostachya*, *Kunth.* 38.
S. scabrosa, *Mauvy.* 39. *S. virgata*, *Steud.* 40. *S.*
variegata, *Steud.* 41. *S. composita*, *Boeck.*

Sect. C. LITHOSPERMEAE.

42. *S. lithosperma*, *Sw.* 43. *S. diffusa*, *C. B.*
Clarke.*

Sect. D. CORYMBOSAE.

44. *S. corymbosa*, *Roab.* 45. *S. Ridleyi*, *C. B.*
Clarke. 46. *S. multiflora*, *A. Rich.*

Subgen. II. *BROWNEAE.* Discus obvius.

**Gerontogaeae.*

47. *S. Brownei*, *Kunth.* 48. *S. mackaviensis*,
Boeck. 49. *S. depauperata*, *Boeck.* 50. *S. tonkin-*
ensis, *C. B. Clarke*.* 51. *S. Motleyi*, *C. B. Clarke.*

***Americanae.*

52. *S. gracilis*, *Ell.* 53. *S. Baldwinii*, *Steud.* 54.
S. triglomerata, *Michx.* 55. *S. oligantha*, *Ell.* 56.
S. pauciflora, *Willd.* 57. *S. ciliata*, *Michx.* 58. *S.*
Sellowiana, *Kunth.*

Subgenus IV. *TESSELLATAE.*

†*Nux tessellata.*

59. *S. tessellata*, *Willd.* 60. *S. biflora*, *Roxb.* 61.
S. Stocksiana, *Boeck.* 62. *S. clathrata*, *A. Rich.*

63. *S. foliosa*, *A. Rich.* 64. *S. glandiformis*, *Boeck.*
 65. *S. mayottensis*, *C. B. Clarke.** 66. *S. globonux*,
C. B. Clarke. 67. *S. nyassensis*, *C. B. Clarke.* 68.
S. complanata, *Boeck.* 69. *S. reticularis*, *Michx.*
 70. *S. Torreyana*, *Walp.* 71. *S. hemitaphra*, *Steud.*

†† *Nux levis.*

72. *S. annularis*, *Kunth.* 73. *S. Schimperiana*,
Boeck. 74. *S. canaliculato-triquetra*, *Boeck.* 75. *S.*
Hildebrandtii, *Boeck.* 76. *S. gracillima*, *Boeck.* 77.
S. anceps, *Liebm.*

††† *Rugosae.*

78. *S. rugosa*, *R. Br.* 79. *S. laxa*, *R. Br.* 80. *S.*
zeylanica, *Poir.* 81. *S. flaccida*, *C. B. Clarke.* 82.
S. Neesii, *Kunth.*

†††† *Lacustris.*

83. *S. lacustris*, *C. Wright.*

Subgenus V. *EU-SCLERIA.*

Sect. A. *Asiaticae, Oceanicae.*

** *Vaginae trialatae.*

84. *S. hebecarpa*, *Nees.* 85. *S. chinensis*, *Kunth.*
 86. *S. Thomsoniana*, *Boeck.* 87. *S. alta*, *Boeck.* 88.
S. Benthami, *C. B. Clarke.** 89. *S. elata*, *Thw.*
 90. *S. suffulta*, *C. B. Clarke.** 91. *S. Radula*, *Hance.*
 92. *S. psilorrhiza*, *C. B. Clarke.* 93. *S. oryzoides*,
Presl. 94. *S. purpureo-vaginata*, *Boeck.*

** *Vaginae non aut vix alatae.*

95. *S. Hookeriana*, *Boeck.* 96. *S. haematostachys*,
Boeck. 97. *S. melanostoma*, *Boeck.* 98. *S. khasiana*,
C. B. Clarke. 99. *S. junciformis*, *Thw.* 100. *S.*
sphacelata, *F. Muell.* 101. *S. Harlandi*, *Hance.* 102.
S. micrantha, *C. B. Clarke.** 103. *S. bancana*, *Miq.*
 104. *S. scrobiculata*, *Nees.* 105. *S. multifoliata*, *Boeck.*
 106. *S. margaritifera*, *Willd.* 107. *S. lingulata*, *C. B.*
*Clarke.** 108. *S. sumatrensis*, *Retz.* 109. *S. levis*,
Retz.

Sect. B. *Africanae.*

110. *S. melanomphala*, *Kunth.* 111. *S. natalensis*,
C. B. Clarke. 112. *S. spicaeformis*, *Benth.* 113. *S.*
ovuligera, *Nees.* 114. *S. Barteri*, *Boeck.* 115. *S. longi-*
folia, *Boeck.* 116. *S. nossibensis*, *C. B. Clarke.*

Sect. C. *Americanae.*

a. *Stipulares.*

117. *S. stipularis*, *Nees.* 118. *S. cyperina*, *Kunth.*
 119. *S. Martii*, *Steud.* 120. *S. macrogyne*, *C. B.*
*Clarke.** 121. *S. ramosa*, *C. B. Clarke.** 122. *S.*

Poeppigii, *Steud.* 123. *S. parallela*, *C. B. Clarke*.*
 124. *S. scabra*, *Willd.* 125. *S. Flagellum*, *Sw.* 126.
S. tenacissima, *Steud.* 127. *S. reflexa*, *H. B. K.*

b. *Melaleucae.*

128. *S. melaleuca*, *Schlecht. & Cham.* 129. *S. pterota*, *Presl.* 130. *S. Wrightiana*, *Boeck.* 131. *S. Warmingiana*, *Boeck.* 132. *S. setuloso-ciliata*, *Boeck.* 133. *S. mexicana*, *Boeck.* 134. *S. chimborazensis*, *C. B. Clarke*.* 135. *S. Schiediana*, *Schlecht.* 136. *S. scabriuscula*, *Schlecht.* 137. *S. lagoensis*, *Boeck.* 138. *S. Clarkei*, *Lindm.* 139. *S. stereorrhiza*, *C. Wright* 140. *S. scindens*, *Nees.* 141. *S. canescens*, *Boeck.* 142. *S. bracteata*, *Cav.* 142 bis. *S. Huberi*, *C. B. Clarke*.*

Subgen. VI. *OPHRYOSCLERIA.*

143. *S. racemosa*, *Poir.* 144. *S. Vogelii*, *C. B. Clarke.* 145. *S. verrucosa*, *Willd.* 146. *S. testacea*, *Nees.* 147. *S. microcarpa*, *Nees.* 148. *S. phylloptera*, *Griseb.* 149. *S. Uleana*, *C. B. Clarke*.* 150. *S. mitis*, *Berg.* 151. *S. Grisebachii*, *C. B. Clarke.* 152. *S. sororia*, *Kunth.* 153. *S. riparia*, *Kunth.* 154. *S. Sprucei*, *C. B. Clarke*.* 155. *S. paludosa*, *Kunth.*

Subgen. VII. *SCHIZOLEPIS.*

156. *S. angusta*, *Nees.* 157. *S. Sieberi*, *Nees.* 158. *S. abortiva*, *Nees.* 159. *S. trialata*, *Poir.* 160. *S. Baroni*, *C. B. Clarke.* 161. *S. madagascariensis*, *Boeck.* 162. *S. myricocarpa*, *Kunth.* 163. *S. arguta*, *Steud.* 164. *S. panicoides*, *Kunth.* 165. *S. acanthocarpa*, *Boeck.* 166. *S. porphyrorrhiza*, *C. Wright.* 167. *S. plusiophylla*, *Steud.* 168. *S. cyperinoides*, *C. B. Clarke*.* 169. *S. olyroides*, *Kunth.* 170. *S. neogranatensis*, *C. B. Clarke*.* 171. *S. latifolia*, *Sw.* 172. *S. arundinacea*, *Kunth.* 173. *S. sylvestris*, *Kunth.*

Subgen. VIII. *BECQUERELIA.*

174. *S. cymosa*, *Boeck.* 175. *S. divaricata*, *Nees.* 176. *S. tuberculata*, *Boeck.* 177. *S. muricata*, *Boeck.* 178. *S. discolor*, *Boeck.*

55. *ACRIULUS*, *Ridl.*

1. *A. madagascariensis*, *Ridl.* 2. *A. griegifolius*, *Ridl.* 3. *A. Titan*, *C. B. Clarke*.*

✓56. *DIPLACRUM*, *R. Br.*

✓Sect. I. *EU-DIPLACRUM.* Parvulae aut tenues, estoloniferae. Folia breviuscula. Capita axillaria, numerosa parvula. Stamen 1 vel 2. Gerontogaeae.

1. *D. caricinum*, *R. Br.* 2. *D. pygmaeum*, *Boeck.* 3. *D. africanum*, *C. B. Clarke.*

Sect. II. PTEROSCLERIA. Robustiores, saepe stoloniferae. Capita axillaria 1-4. Stamina 3 (vel 2). Stylo-basis paullo dilatata.

4. *D. longifolium*, *C. B. Clarke*. 5. *D. notopterum*, *C. B. Clarke*.* 6. *D. capitatum*, *Boeck*.

57. HOPPIA, Nees.

1. *H. irrigua*, *Nees*. 2. *H. microcephala*, *Boeck*. 3. *H. angustifolia*, *Boeck*. 4. *H. bicolor*, *C. B. Clarke*.* 5. *H. Berroi*, *C. B. Clarke*.*

58. LAGENOCARPUS, Nees.

1. *L. guianensis*, *Nees*. 2. *L. tremulus*, *Nees*. 3. *L. oocarpus*, *C. B. Clarke*.* 4. *L. Riedelianus*, *C. B. Clarke*.* 5. *L. rigidus*, *Nees*. 6. *L. Mendoncai*, *C. B. Clarke*.* 7. *L. Martii*, *Nees*. 8. *L. topazinus*, *Nees*. 9. *L. pedicellatus*, *C. B. Clarke*.* 10. *L. tenuifolius*, *C. B. Clarke*.* 11. *L. inversus*, *C. B. Clarke*.* 12. *L. velutinus*, *Nees*. 13. *L. albo-niger*, *C. B. Clarke*.* 14. *L. vestitus*, *C. B. Clarke*.* 14 bis. *L. bracteosus*, *C. B. Clarke*.* 15. *L. adamantinus*, *Nees*. 16. *L. brevirostris*, *C. B. Clarke*.* 17. *L. stellatus*, *C. B. Clarke*.*

59. CRYPTANGIUM, Nees.

Sect. A. Inflorescentia terminalis, elongato-paniculata.

1. *C. uliginosum*, *Nees*. 2. *C. leptocladum*, *Boeck*. 3. *C. ciliatum*, *Boeck*. 3 bis. *C. parvulum*, *C. B. Clarke*.* 4. *C. nudipes*, *C. B. Clarke*.* 5. *C. triquetrum*, *Boeck*. 6. *C. junciforme*, *Boeck*. 7. *C. campestre*, *Boeck*. 8. *C. Claussenii*, *C. B. Clarke*.* 9. *C. strictum*, *C. B. Clarke*.* 10. *C. minarum*, *Boeck*. 11. *C. Glaziovii*, *Boeck*. 12. *C. stamineum*, *N. E. Br.*

Sect. B. Inflorescentia axillaris foliis brevior.

13. *C. polyphyllum*, *Boeck*. 14. *C. humile*, *Boeck*. 15. *C. comatum*, *Boeck*. 16. *C. Dracuncula*, *Boeck*.

Incerta.

17. *C. Schenckianum*, *Boeck*.

60. CALYPTROCARYA, Nees.

**Capita corymboso-paniculata.*

1. *C. fragifera*, *Kunth*. 2. *C. angustifolia*, *Nees*. 3. *C. Martii*, *Nees*. 4. *C. Poeppigiana*, *Kunth*. 5. *C. intermedia*, *C. B. Clarke*.*

***Culmus 1-2 cephalus, i.e. corymbi congesti.*

6. *C. monocephala*, *Steud.*

61. EXOCHOGYNE, C. B. Clarke.

1. *E. amazonica*, C. B. Clarke.

62. FINTELMANNIA, Kunth.

1. *F. restioides*, Kunth. 2. *F. eximia*, C. B. Clarke.*
3. *F. microstachya*, C. B. Clarke.* 4. *F. robusta*, C. B. Clarke.*

63. EVERARDIA, Ridl.

1. *E. montana*, Ridl. 2. *E. angusta*, N. E. Br.

64. ERIOSPORA, A. Rich.

**Foliorum vaginae fissae.*

1. *E. abyssinica*, A. Rich. 2. *E. Schweinfurthiana*, C. B. Clarke. 3. *E. Rehmanniana*, C. E. Clarke. 4. *E. Oliveri*, C. B. Clarke. 5. *E. setifera*, C. E. Clarke. 6. *E. villosa*, C. B. Clarke.

***Foliorum vaginae saepe integrae.*

7. *E. pilosa*, Benth.

Subordo IV. CARICINEAE.

65. SCHOENOXIPHIMUM, Nees.

**Species in Africa endemicae.*

A. Plantae elatiores. Spicae pernumerossae.

1. *S. rufum*, Nees. 2. *S. Buchanani*, C. B. Clarke.
3. *S. capense*, Nees. 4. *S. Stickmannianum*, Kunth.
5. *S. Dregeanum*, Kunth.

B. Plantae mediocres. Inflorescentia laxa. Spicae vix numerosae.

6. *S. caricoides*, C. B. Clarke.* 7. *S. Schimperianum*, C. B. Clarke.* 8. *S. sparteum*, C. B. Clarke.*
9. *S. Lehmanni*, Kunth.

C. Culmi nudi. Inflorescentia in culmi apice glomerati.

10. *S. Thunbergii*, Nees. 11. *S. Ecklonea*, Nees.

***Species in China endemicae.*

12. *S. fragile*, C. B. Clarke.*

66. KOBRESIA, Willd.

Sect. I. HEMICAREX. Spica unica, linearis, specie simplex ; spiculae foemineae 1-florae.

1. *K. seticulmis*, Boeck. 2. *K. Hookeri*, Boeck. 3. *K. angusta*, C. B. Clarke. 4. *K. vaginosa*, C. B.

Clarke. 5. *K. trinervis*, *Boeck.* 6. *K. foliosa*, *C. B. Clarke.* 7. *K. fissiglumis*, *C. B. Clarke.* 8. *K. pygmaea*, *C. B. Clarke.*

Sect. II. ELYNA. Spica unica, oblonga, spiculae inferiores 1-nucigeræ, ex his quaedam unisexuales.

9. *K. filicina*, *C. B. Clarke.* 10. *K. Duthiei*, *C. B. Clarke.* 10 bis. *K. Littledalei*, *C. B. Clarke.** 11. *K. scirpina*, *Willd.* 12. *K. capillifolia*, *C. B. Clarke.* 13. *K. tibetica*, *Maxim.* 14. *K. schoenoides*, *Boeck.* 15. *K. cercostachys*, *C. B. Clarke.* 16. *K. Prattii*, *C. B. Clarke.* 17. *K. robusta*, *Maxim.* 18. *K. Sargentiana*, *Hemsl.* 19. *K. nitens*, *C. B. Clarke.*

Sect. III. EU-KOBRESIA. Inflorescentia dense composita. Spiculae inferiores 2-sexuales.

20. *K. caricina*, *Willd.* 21. *K. Royleana*, *Boeck.* 22. *K. stenocarpa*, *C. B. Clarke.* 23. *K. uncinoides*, *C. B. Clarke.*

Sect. IV. LAXAE. Spicae laxè paniculatae. Bractea ima saepissime longa.

24. *K. laxa*, *Nees.* 25. *K. curvirostris*, *C. B. Clarke.* 26. *K. utriculata*, *C. B. Clarke.** 27. *K. Gammiei*, *C. B. Clarke.** 28. *K. curvata*, *C. B. Clarke.**

Sect. V. PSEUDO-KOBRESIA. Stylus 2-fidus; nux compressa.

29. *K. filifolia*, *C. B. Clarke.* 30. *K. Deasyi*, *C. B. Clarke.**

67. UNCINIA, Pers.

Sect. I. AUSTRALIENSES. Filamenta linearia. Utriculi glabri vel minute pilosuli.

**Debiliores. Spicae graciliores.*

1. *U. leptostachya*, *Raoul.* 2. *U. tenella*, *R. Br.* 3. *U. filiformis*, *Boott.* 4. *U. rupestris*, *Boott.* 5. *U. riparia*, *R. Br.* 6. *U. rubra*, *Boott.* 7. *U. caespitosa*, *Boott.*

**Rigidiores. Spicae densiores.*

8. *U. Sinclairii*, *Hook. f.* 9. *U. compacta*, *R. Br.* 10. *U. purpurata*, *Petrie.* 11. *U. australis*, *Pers.*

Sect. II. PATAGONICAE. Filamenta linearia. Utriculi glabri.

12. *U. tenuis*, *Kunth.* 13. *U. triquetra*, *Kunth.* 14. *U. macrophylla*, *Steud.* 15. *U. Lechleriana*, *Steud.* 16. *U. Kingii*, *Hook. f.*

Sect. III. AMERICANAE. Filamenta complanata. Utriculi pilosi.

**Setae suberectae. Spicae lineari-cylindricae.*

17. U. brevicaulis, *Thou.* 18. U. macloviana, *Gaudich.* 19. U. Douglasii, *Boott.* 20. U. phleoides, *Pers.* 21. U. trichocarpa, *C. A. Mey.*

***Setae proventu divaricato-subpatulae.*

22. U. jamaicensis, *Pers.* 23. U. mexicana, *Steud.*
24. U. erinacea, *Pers.* 25. U. multifaria, *Nees.*

68. CAREX, Linn.

Subgen. *VIGNEA*. [Stylus bifidus.]

Divisio I. *VIGNEMIA*. [Monostachyae.]

A. Spicae pro magnâ parte unisexuales.

a. *Rhizoma reptans.*

1. *C. dioica*, *Linn.* 2. *C. Redowskiana*, *C. A. Mey.*

b. *Caespitosae.*

3. *C. Davalliana*, *Sm.* 4. *C. exilis*, *Dewey.*

B. Spica 2-sexualis, apice foeminea.

5. *C. ursina*, *Hook.*

C. Spica 2-sexualis, apice mascula. Utriculus parum nervosus.

a. *Subbracteatae.*

**Spica laxa.*

6. *C. pulicaris*, *Linn.* 7. *C. macrostylon*, *Lepeyr.*

***Spica densa. Utriculus basi parum angustatus.*

8. *C. capitata*, *Linn.* 9. *C. nardina*, *Fries.* 10. *C. cephalotes*, *F. Muell.* 11. *C. oligantha*, *Phil.*

b. *Bracteatae.*

12. *C. caduca*, *Boott.* 13. *C. trichodes*, *Lechl.*

c. *Longispicatae. Spicae 3-4 cm. longae.*

14. *C. monostachya*, *A. Rich.* 15. *C. runssoroensis*, *K. Schum.* 15 bis. *C. chubutensis*, *C. B. Clarke.**

Divisio II. *VIGNEANDRA.*

a. *Verae.*

16. *C. stenophylla*, *Wahlenb.* 17. *C. incurva*, *Lightf.*
17 bis. *C. hysipedos*, *C. B. Clarke.** 18. *C. pterocarpa*, *Petrie.* 19. *C. enervis*, *C. A. Mey.* 20. *C.*

curaica, *Kunth*. 21. *C. vulpinaris*, *Nees*. 22. *C. pycnostachya*, *Kar. & Kir.* 23. *C. arenicola*, *F. Schmidt*. 24. *C. chordorrhiza*, *Linn. f.* 25. *C. arenaria*, *Linn.* 26. *C. pallida*, *C. A. Mey.* 27. *C. physodes*, *Bieb.* 28. *C. foetida*, *All.* 29. *C. microstyla*, *Gaudich.* 30. *C. divisa*, *Huds.* 31. *C. glomerata*, *Thunb.* 32. *C. Gayana*, *Desv.* 33. *C. hypoleucos*, *C. Gay.* 34. *C. sororia*, *Kunth.* 35. *C. Reichei*, *Kuek.* 36. *C. Kurtziana*, *Kuek.* 37. *C. Hoodii*, *Boott.* 38. *C. cephalophora*, *Schkuhr.* 39. *C. bracteosa*, *Kunth.* 40. *C. involucrata*, *Boott.* 41. *C. urugensis*, *Boeck.* 42. *C. leiorhyncha*, *C. A. Mey.* 43. *C. neurocarpa*, *Maxim.* 44. *C. Thomsoni*, *Boott.* 45. *C. bohariensis*, *Poir.* 46. *C. potosina*, *Hemsl.* 47. *C. Kirkii*, *Petrie.* 48. *C. trachycarpa*, *Cheesem.*

b. *Muricatae*.

49. *C. muricata*, *Linn.* 50. *C. nubigena*, *D. Don.* 51. *C. vulpina*, *Linn.* 52. *C. Muehlenbergii*, *Schkuhr.* 53. *C. sparganioides*, *Schkuhr.* 54. *Hookeriana*, *Dewey.* 55. *C. conjuncta*, *Boott.*

c. *Teretiusculae*.

56. *C. Brongniartii*, *Kunth.* 57. *C. vicaria*, *L. C. Bailey.* 58. *C. fluviatilis*, *Boott.* 59. *C. unisexualis*, *C. B. Clarke.* 60. *C. Muelleri*, *Petrie.* 61. *C. kaloides*, *Petrie.* 62. *C. teretiuscula*, *Good.* 63. *C. arizonensis*, *C. B. Clarke.** 64. *C. paradoxa*, *Willd.*

d. *Paniculatae*.

65. *C. paniculata*, *Linn.* 66. *C. canariensis*, *Kuek.* 67. *C. conferta*, *A. Rich.* 68. *C. leptosaccus*, *C. B. Clarke.* 69. *C. Koestlini*, *Steud.* 70. *C. erythrorrhizos*, *Boeck.* 71. *C. Lycurus*, *K. Schum.* 72. *C. declinata*, *Boott.* 73. *C. appressa*, *R. Br.* 74. *C. tereticaulis*, *F. Muell.* 75. *C. virgata*, *Hook. f.* 76. *C. secta*, *Hook. f.* 77. *C. vulpinoidea*, *Michx.* 78. *C. triangularis*, *Boeck.* 79. *C. stipata*, *Schkuhr.* 80. *C. alma*, *L. H. Bailey.* 81. *C. Crus-corvi*, *Kunze.* 82. *C. decomposita*, *Muehl.*

e. *Roseae*.

83. *C. rosea*, *Schkuhr.* 84. *C. retroflexa*, *Schkuhr.* 85. *C. tenella*, *Schkuhr.* 86. *C. brunnea*, *Thunb.* 87. *C. longistolon*, *Franch.* 88. *C. longicruris*, *Nees.* 89. *C. stipitinux*, *Franch.* 90. *C. gentilis*, *Franch.* 91. *C. Tonnerrei*, *C. B. Clarke.* 92. *C. mosoynensis*, *Franch.* 93. *C. teinogyna*, *Boott.* 94. *C. longipes*, *D. Don.*

f. *Pichinchenses*.

95. *C. pichinchensis*, *H. B. K.* 96. *C. Boeckeleriana*, *Garcke.* 97. *C. Lemanniana*, *Boott.* 98. *C.*

catamarcensis, *Kuek.* 99. *C. seditiosa*, *Lechl.* 100.
C. brunnescens, *Boeck.* 101. *C. lepida*, *Boott.* 102.
C. varica, *C. B. Clarke.** 103. *C. Graeffiana*, *Boeck.*

Divisio III. VIGNEGYNE.

Sect. 1. *Stramineae*. Americanae omnes.

104. *C. muskingamensis*, *Schwein.* 105. *C. tribuloides*, *Wahlenb.* 106. *C. festucacea*, *Willd.* 107. *C. cristata*, *Schwein.* 108. *C. Crawfordii*, *Fern.* 109. *C. pratensis*, *Drejer.* 110. *C. pinguis*, *L. H. Bailey.*
 111. *C. Liddoni*, *Boott.* 112. *C. specifica*, *L. H. Bailey.*
 113. *C. straminea*, *Schkuhr.* 114. *C. foenea*, *Willd.*

Sect. 2. *Tenuiflorae*.

115. *C. tenuiflora*, *Wahlenb.* 116. *C. arrhyncha*,
Franch. 117. *C. loliacea*, *Linn.* 118. *C. trisperma*,
Dewey.

Sect. 3. *Lagopinae*.

119. *C. glareosa*, *Wahlenb.* 120. *C. lagopina*,
Wahlenb. 121. *C. Heleonastes*, *Linn. f.* 122. *C. microstachya*, *Ehrh.* 123. *C. leporina*, *Linn.* 124.
C. pinetorum, *Liebm.* 125. *C. macloviana*, *Urv.*
 126. *C. petasata*, *Dewey.* 127. *C. pribylovensis*,
Macoun.

Sect. 4. *Elongatae*.

128. *C. Bonplandii*, *Kunth.* 129. *C. praegracilis*,
W. Boott. 130. *C. heptastachys*, *Boeck.* 131. *C. nemurensis*,
Franch. 132. *C. traiziscana*, *F. Schmidt.* 133. *C. pseudo-loliacea*,
F. Schmidt. 134. *C. arcta*, *Boott.* 135. *C. norvegica*,
Schkuhr. 136. *C. helvola*, *Fries.* 137. *C. brunnescens*,
Poir. 138. *C. canescens*, *Linn.* 139. *C. elongata*, *Linn.*

Sect. 5. *Stellulatae*.

140. *C. stellulata*, *Good.* 141. *C. Calcitrapa*, *Franch.*
 142. *C. Maackii*, *Maxim.*

Sect. 6. *Brizoideae*.

143. *C. Deweyana*, *Schwein.* 144. *C. brizoides*,
Linn. 145. *C. Schreberi*, *Schrank.*

Sect. 7. *Remotae*.

146. *C. alta*, *Boott.* 147. *C. remota*, *Linn.* 148. *C. Boenninghausenia*,
Weihe.

Sect. 8. *Cyperoideae*.

149. *C. inversa*, *R. Br.* 150. *C. lophocarpus*, *C. B. Clarke.**
 151. *C. Colensoi*, *Boott.* 152. *C. cyperoides*, *Murr.* 153. *C. sychnocephala*, *Olney.* 154. *C. athrostachya*,
Olney.

Sect. 9. *Bicolores*.

155. *C. bicolor*, *All.* 156. *C. hypandra*, *Benth.*
157. *C. atropicta*, *Steud.* 158. *C. rufina*, *Drejer.*
159. *C. aurea*, *Nutt.*

Sect. 10. *Cernuae*.

160. *C. cernua*, *Boott.* 161. *C. sikkimensis*, *C. B. Clarke.*
162. *C. teres*, *Boott.* 163. *C. praelonga*,
C. B. Clarke. 164. *C. eremostachys*, *Franch.* 165.
C. immanis, *C. B. Clarke.* 166. *C. melinacra*, *Franch.*
167. *C. taliensis*, *Franch.* 168. *C. incisa*, *Boott.*
169. *C. nervulosa*, *Franch.* 170. *C. polyantha*,
Franch. 171. *C. eleusinoides*, *Kunth.* 172. *C. Augustinowiczii*,
Korsh. 173. *C. lenticularis*, *Michx.* 174.
C. decidua, *Boott.* 175. *C. Raoulii*, *Hook. f.*

Sect. 11. *Intermediae*.

176. *C. siccata*, *Dewey.* 177. *C. alterna*, *C. B. Clarke.**
178. *C. chlorantha*, *R. Br.* 179. *C. Douglasii*, *Boott.*
180. *C. macrocephala*, *Spreng.* 181. *C. bromoides*,
Schkuhr. 182. *C. intermedia*, *Good.* 183. *C. repens*,
Bell.

Subgen. II. EU-VIGNEA.

Sect. 1. *Vulgares*. Utriculi fere robusti.

S[ubs]eries A. Muticae. Glumae foemineae parum elongatae, nec aristellatae.

a. Goodenoides. Bractee inflorescentiâ breviores. Utriculi nervati.

184. *C. Goodenovii*, *J. Gay.* 185. *C. trinervis*, *Loisel.*
186. *C. nudata*, *W. Boott.* 187. *C. Gaudichaudiana*,
Kunth. 188. *C. stricta*, *Good.* 189. *C. leiogona*,
Franch.

b. Rigidae. Bractee inflorescentiâ breviores. Utriculi enerves.

190. *C. rigida*, *Good.* 191. *C. orbicularis*, *Boott.*
192. *C. luctuosa*, *Franch.* 193. *C. caespitosa*, *Palms.*
193 bis. *C. moscowensis*, *C. B. Clarke.** 194. *C. subvaginata*,
*Meinsh.** 195. *C. Buekii*, *Wimm.* 196. *C. salina*,
Wahlenb. 197. *C. angustata*, *Boott.* 198. *C. semicrinita*,
*C. B. Clarke.** 199. *C. torta*, *Tuckerm.*
200. *C. Hallii*, *L. H. Bailey.*

c. Aquatiles. Bractee inflorescentiâ longiores. Utriculi enerves.

201. *C. aquatilis*, *Wahlenb.* 202. *C. caespitia*, *Nees.*
203. *C. Trappistarum*, *Franch.* 204. *C. Cunninghamii*,
Boott. 205. *C. Sinclairii*, *Boott.* 206. *C. laciniata*,
Boott. 207. *C. variabilis*, *L. H. Bailey.* 208. *C. Bis-Hallii*,
*C. B. Clarke.** 209. *C. stans*, *Drejer.*

d. Acutae. Bracteae inflorescentiâ longiores. Utriculi nervati.

210. *C. acuta*, *Linn.* 211. *C. enneastachya*, *C. B. Clarke.** 212. *C. Andersoni*, *Boott.* 213. *C. nebraskensis*, *Dewey.* 214. *C. Hindsii*, *C. B. Clarke.**

e. Nothae. Spicae lineari-cylindricae nutantes.

215. *C. notha*, *Kunth.* 216. *C. fucata*, *C. B. Clarke.* 217. *C. otaruensis*, *Franch.* 218. *C. shimidzensis*, *Franch.* 219. *C. heterolepis*, *Bunge.* 220. *C. panda*, *C. B. Clarke.** 221. *C. Middendorffii*, *J. Schmidt.*

S[ubs]eries B. Glumae foemineae elongatae aut aristellatae.

f. Longiglumae. Glumae elongatae muticae.

*Longi-pedunculatae.

222. *C. sitchensis*, *Bong.* 223. *C. Schottii*, *Torr.* 224. *C. cryptocarpa*, *C. A. Mey.* 225. *C. Darwinii*, *Boott.*

**Brevi-pedunculatae.

226. *C. magnifica*, *Dewey.** 227. *C. aperta*, *Boott.* 228. *C. interrupta*, *Boott.* 229. *C. elytroides*, *Fries.*

g. Aristellatae. Glumae aristellatae.

*Glumae foemineae longe aristatae, utriculos conspicue superantes.

230. *C. maritima*, *O. F. Muell.* 231. *C. crinita*, *Schkuhr.*

**Glumae foemineae aristellatae, utriculis rarum (aut non) longiores.

†Utriculi apice eglandulosi modice aut vix granulares.

232. *C. ternaria*, *Forst.* 233. *C. Prescottiana*, *Boott.* 234. *C. sandwicensis*, *Boeck.* 235. *C. kiotensis*, *Franch. & Savat.*

††Utriculi a glandulis capitatis conspicue obsessi.

236. *C. phacodes*, *Spreng.* 237. *C. madagascariensis*, *Boeck.* 238. *C. Baroni*, *Baker.* 239. *C. pruinosa*, *Boott.* 240. *C. cincta*, *Franch.* 241. *C. Arnottiana*, *Drejer.*

***Glumae foemineae cuspidatae. Bracteae cum inflorescentiâ aequilongae.

242. *C. cuspidata*, *Wahlenb.* 243. *C. omskiana*, *Meinsh.* 244. *C. personata*, *C. B. Clarke.**

Sect. 2. *Bidentes.* Rostris breviusculi dentes 2 lineares.

A. Utriculi 8-9 mm. longi, angusti, in stipite setaceo piloso sustenti.

245. *C. podogyna*, *Franch. & Savat.*

B. Rostri dentes longi. Glumae foemineae elongatae aut aristellatae.

246. *C. insularis*, *Carm.*

C. Rostri dentes perbreves, lanceolatae aut lineares.

247. *C. lucida*, *Hook. f.* 248. *C. cirrhosa*, *Bergg.*
249. *C. Wakatipu*, *Petrie.* 250. *C. Buchanani*, *Bergg.*
251. *C. testacea*, *Hook. f.* 252. *C. dipsacea*, *Bergg.*

D. Rostri dentes perbreves lineares recurvati.

253. *C. tetrasticha*, *Boeck.*

Sect. 3. *Longirostres*. Utriculi rostrum lineare aut oblongum, utriculi corpus $\frac{1}{2}$ parte longius.

254. *C. plocamostylis*, *Maxim.* 255. *C. dicraea*, *C. B. Clarke.** 256. *C. dicuspis*, *Franch.* 257. *C. Okuboi*, *Franch.* 258. *C. rubro-brunnea*, *C. B. Clarke.* 259. *C. sadoensis*, *Franch.* 260. *C. Forficula*, *Franch. & Savat.* 261. *C. floresiana*, *Steud.* 262. *C. Vulcani*, *Steud.*

Sect. 4. *Insignes*. Species inter se distantes, a caeteris *Euvigneis* plus minus remotae; plures a cyperologistis novis inter subgenus *Eu-Caricem* [= *Propriae*] sparsis.

263. *C. acaulis*, *Urv.* 264. *C. planata*, *Franch. & Savat.* 265. *C. azorica*, *J. Gay.* 266. *C. mucronata*, *All.* 267. *C. angustisquama*, *Franch.* 268. *C. pulla*, *Good.* 269. *C. physocarpa*, *Presl.* 269 bis. *C. miliaris*, *Boott.*

Divisio IV. CARICIMIA.

Sect. 1. *Dioicae*. Ebracteatae, vel in *C. hakkodensi* bractea raro spicam superans.

270. *C. scirpoidea*, *Michx.* 271. *C. vidua*, *C. B. Clarke.* 272. *C. picta*, *Steud.* 273. *C. anthoxanthea*, *Presl.* 274. *C. hakkodensis*, *Franch.*

Sect. 2. *Grallatoriae*. Parvulae, culmi 4–10 cm. longi, caespitosi. Folia basalia elongata, culmos superantia, 2 mm. lata; folia caulina filiformia brevia.

275. *C. grallatoria*, *Maxim.* 276. *C. heteroclita*, *Franch.* 277. *C. hakonensis*, *Franch.*

Sect. 3. *Rarae*. Ebracteatae, caespitosae.

278. *C. rara*, *Boott.* 279. *C. capillacea*, *Boott.* 280. *C. biwensis*, *Franch.* 281. *C. nana*, *Boott.* 282. *C. amorensis*, *Franch.* 283. *C. Oldhami*, *C. B. Clarke.** 284. *C. ontakensis*, *Franch. & Savat.* 285. *C. litorrhyncha*, *Franch.* 286. *C. uda*, *Maxim.* 287. *C. fulva*, *Maxim.* 288. *C. rhizopoda*, *Maxim.*

Sect. 4. *Stenocarpeae*. Utriculi lanceolati vel oblongo-lineares.

289. *C. microglochin*, *Wahlenb.* 290. *C. pauciflora*, *Lightf.* 291. *C. Vallis-pulchrae*, *Phil.* 292. *C. parva*, *Nees.* 293. *C. linearis*, *Boott.*

Sect. 5. *Ebracteatae*.

Caespitosae.

294. *C. pyrenaica*, *Wahlenb.* 295. *C. filifolia*, *Nees.* 296. *C. elynoides*, *Holm.*

Rhizoma repens.

297. *C. circinata*, *C. A. Mey.* 298. *C. Lyoni*, *Boott.* 299. *C. rupestris*, *All.* 300. *C. arganensis*, *Turcz.* 301. *C. obtusata*, *Liljeb.* 302. *C. nigricans*, *C. A. Mey.* 303. *C. Breweri*, *Boott.* 304. *C. Geyeri*, *Boott.*

Sect. 6. *Bracteatae*.

a. Septentrionales.

305. *C. multicaulis*, *L. H. Bailey.* 306. *C. Willdenowii*, *Schkuhr.* 307. *C. Stendelii*, *Kunth.* 308. *C. Backii*, *Boott.* 309. *C. phyllostachys*, *C. A. Mey.* 310. *C. ambigua*, *Schkuhr.* 311. *C. polytrichoides*, *Schkuhr.*

b. Neotropicae.

312. *C. aphylla*, *Kunth.* 313. *C. Molinae*, *Phil.* 314. *C. Berteroana*, *C. Gay.* 315. *C. setifolia*, *Kunth.* 316. *C. andina*, *Phil.* 317. *C. patagonica*, *Speg.* 318. *C. Sellowiana*, *Schlecht.* 319. *C. Hilairei*, *Boott.* 320. *C. hilaireoides*, *C. B. Clarke.** 321. *C. seticulmis*, *Boeck.* 322. *C. vesca*, *C. B. Clarke.** 323. *C. acicularis*, *Boott.*

Sect. 7. *Insignes*.

324. *C. Fraseri*, *Andr.* 325. *C. Delavayi*, *Franch.*

Divisio V. CARICANDRA.

Brevispicæ.

Sect. 1. *Asiaticæ*.

*Scaposæ.

326. *C. scaposa*, *Hook, f.* 327. *C. cryptostachys*, *Brongn.* 328. *C. Helferi*, *Boeck.* 329. *C. pandanophylla*, *C. B. Clarke.* 330. *C. Reinii*, *Franch. & Savat.*

**Stramentitiæ.

331. *C. indica*, *Linn.* 332. *C. Dietrichiæ*, *Boeck.* 333. *C. stramentitia*, *Boeck.* 334. *C. repanda*, *C. B. Clarke.* 335. *C. Wightiana*, *Nees.* 336. *C. perakensis*, *C. B. Clarke.* 337. *C. shanensis*, *C. B. Clarke.** 338. *C. leucantha*, *Arn.* 339. *C. malaccensis*, *C. B. Clarke.*

***Cruciatae.

340. *C. cruciata*, *Wahlenb.* 341. *C. fissilis*, *Boott.*
 342. *C. distracta*, *C. B. Clarke.* 343. *C. parvigluma*,
C. B. Clarke. 344. *C. condensata*, *Nees.* 345. *C.*
vesiculosa, *Boott.* 346. *C. sanguinea*, *Boott.* 347. *C.*
gembolensis, *C. B. Clarke.** 348. *C. Rafflesiana*,
Boott. 349. *C. scaberrima*, *C. B. Clarke.** 350. *C.*
fuirenoides, *Gaudich.* 351. *C. leptocarpus*, *C. B.*
Clarke. 352. *C. Horsfieldii*, *Boott.* 253. *C. Balansae*,
Franch. 354. *C. ecostata*, *C. B. Clarke.* 355. *C.*
Cumingii, *Vidal.*

****Filicinae.

356. *C. filicina*, *Nees.* 357. *C. continua*, *C. B.*
Clarke. 358. *C. plebeia*, *C. B. Clarke.* 359. *C.*
spicigera, *Nees.* 360. *C. mercarensis*, *Steud.* 361. *C.*
raphidocarpa, *Nees.* 362. *C. spatiosa*, *Boott.* 363. *C.*
satsumensis, *Franch. & Savat.* 364. *C. ceylanica*,
Boeck. 365. *C. Lindleyana*, *Nees.* 366. *C. neo-*
guineensis, *C. B. Clarke.** 367. *C. saturata*, *C. B.*
*Clarke.** 368. *C. moupinensis*, *Franch.* 369. *C.*
rhizomatosa, *Steud.*

Sect. 2. *Africanæ.*

370. *C. leptoclados*, *C. B. Clarke.* 370 *bis.* *C.*
Uhligii, *K. Schum.** 371. *C. Hillebrandtiana*, *Boeck.*
 372. *C. echinochloa*, *Kunze.* 373. *C. nyassensis*,
C. B. Clarke. 374. *C. alboviridis*, *C. B. Clarke.*
 375. *C. chlorosaccus*, *C. B. Clarke.* 376. *C. spicato-*
paniculata, *C. B. Clarke.* 377. *C. Wahlenbergiana*,
Boott. 378. *C. ramosa*, *Schkuhr.* 379. *C. Renschiana*,
Boeck. 380. *C. hirtigluma*, *C. B. Clarke.** 381. *C.*
zuluensis, *C. B. Clarke.** 382. *C. Steudneri*, *Boeck.*
 383. *C. emirnensis*, *Baker.*

Sect. 3. *Americanæ.*

384. *C. cladostachya*, *Wahlenb.* 385. *C. madrensis*,
L. H. Bailey. 386. *C. Schiedeana*, *Kunze.*

Sect. 4. *Asiaticæ.*

387. *C. insignis* *Boott.* 388. *C. polycephala*, *Boott.*
 389. *C. Walkeri*, *Boott.* 390. *C. arridens*, *C. B.*
Clarke. 391. *C. Prainii*, *C. B. Clarke.* 392. *C.*
decora, *Boott.* 393. *C. curticeps*, *C. B. Clarke.*
 394. *C. Daltoni*, *Boott.* 395. *C. Winterbottomi*, *C. B.*
Clarke. 396. *C. Stracheyi*, *Duthie.* 397. *C. in-*
aequalis, *C. B. Clarke.* 398. *C. munda*, *Boott.*
 399. *C. pulchra*, *Boott.* 400. *C. hypsophila*, *Miq.*
 401. *C. Havilandi*, *C. B. Clarke.** 402. *C. turrita*,
*C. B. Clarke.** 403. *C. sumatrensis*, *C. B. Clarke.**

*Myosuroideae.

404. *C. baccans*, *Nees.* 405. *C. curvirostris*, *Kunze.*
 406. *C. tonkinensis*, *Franch.* 407. *C. Myosurus*,

Nees. 408. *C. ratongensis*, *C. B. Clarke*.* 409. *C. praestans*, *C. B. Clarke*. 410. *C. spiculata*, *Boott*. 411. *C. nobilis*, *Boott*. 412. *C. composita*, *Boott*. 413. *C. desponsa*, *Boott*. 414. *C. yunnanensis*, *Franch*. 415. *C. fragilis*, *Boott*. 416. *C. longkiensis*, *Franch*. 417. *C. inclinis*, *C. B. Clarke*. 418. *C. muniporensis*, *C. B. Clarke*. 419. *C. Kingiana*, *C. B. Clarke*.* 420. *C. scitula*, *Boott*.

Sect. 5. *Longispicae*.

Africanæ.

421. *C. Johnstoni*, *Boeck*. 421 bis. *C. Kuekenthalii*, *K. Schum*.* 422. *C. Vallis-Rosetto*, *K. Schum*.

Americanæ.

423. *C. Jamesoni*, *Boott*. 424. *C. lapazensis*, *C. B. Clarke*.* 425. *C. perprava*, *C. B. Clarke*.* 426. *C. spilocarpa*, *Steud*. 427. *C. tuberculata*, *Liebm*. 428. *C. consors*, *C. B. Clarke*.* 429. *C. melanosperma*, *Liebm*. 430. *C. viridis*, *Schlecht. & Cham*. 431. *C. Pittieri*, *Boeck*. 432. *C. Jovis*, *C. B. Clarke*.*

Sect. 6. *Psilosaccus*.

433. *C. baldensis*, *Linn*. 434. *C. uralensis*, *C. B. Clarke*.* 435. *C. curvula*, *All*. 436. *C. distachia*, *Desf*. 437. *C. illegitima*, *Cesati*. 438. *C. borneensis*, *C. B. Clarke*.* 439. *C. tristicha*, *Boott*. 440. *C. speciosa*, *Kunth*.

Sect. 7. *Trichosaccus*.

441. *C. pedunculata*, *Schkuhr*. 442. *C. radicalis*, *Boott*. 443. *C. phalaroides*, *Kunth*. 444. *C. macella*, *Kunth*. 445. *C. paraguayensis*, *Mauray*. 446. *C. setispica*, *C. B. Clarke*.* 447. *C. amicta*, *Boott*. 448. *C. scabrella*, *Wahlenb*. 449. *C. Loheri*, *C. B. Clarke*. 450. *C. madoerensis*, *C. B. Clarke*.* 451. *C. cylindrostachys*, *Franch*.

Divisio VI. CARICIGYNE.

Sect. 1. *Alpinæ*. Glumæ (e nigro-) castaneæ. Nux utriculo parum angustior.

452. *C. Parryana*, *Dewey*. 453. *C. alpina*, *Liljeb*. 454. *C. melanocephala*, *Turcz*. 455. *C. melanantha*, *Turcz*. 456. *C. sabulosa*, *Turcz*. 457. *C. misandra*, *R. Br*. 458. *C. Lehmanni*, *Drej*. 459. *C. obscura*, *Nees*. 460. *C. curtiglumis*, *C. B. Clarke*.* 461. *C. Buxbaumii*, *Wahlenb*. 462. *C. bifida*, *Olney*. 463. *C. Hancockiana*, *Maxim*. 464. *C. Gmelini*, *Hook. & Arn*. 465. *C. Duthiei*, *C. B. Clarke*. 466. *C. lonchosaccus*, *C. B. Clarke*.* 467. *C. psychrophila*, *Nees*.

Sect. 2. *Atratae*. Glumae (e nigro-) castaneae. Nux utriculo multo angustior.

468. *C. atrata*, Linn. 469. *C. nigra*, All. 470. *C. magellanica*, Linn. 471. *C. atratiformis*, Britton. 472. *C. nivalis*, Boott. 473. *C. Mertensii*, Presc.

Sect. 3. *Virescentes*. Spicae non castaneae.

474. *C. gibba*, Wahlenb. 475. *C. infirma*, C. B. Clarke.* 476. *C. agglomerata*, C. B. Clarke. 477. *C. Spachiana*, Boott. 478. *C. crinalis*, Boott. 479. *C. boliviensis*, Van Heurck. & Muell. Arg. 480. *C. virescens*, Schkuhr. 481. *C. triceps*, Michx. 482. *C. Shortiana*, Dewey. 483. *C. formosa*, Dewey. 484. *C. oxylepis*, Torr. 485. *C. Davisii*, Torr. 486. *C. gracillima*, Schwein. 487. *C. aestivalis*, C. Curt. 488. *C. miliacea*, Schkuhr. 489. *C. anisostachys*, Liebm. 490. *C. albirostris*, C. B. Clarke.* 491. *C. fastigiata*, Franch.

Sect. 4. *Africanae*. Spicae (e viridi-) bruneae.

492. *C. simensis*, A. Rich. 493. *C. borbonica*, Lam. 494. *C. Karlschumannii*, C. B. Clarke* (*C. pedunculata*, K. Schum. non Schkuhr.). 495. *C. Petitiana*, K. Schum. 496. *C. aequabilis*, Boott. 497. *C. Fischeri*, K. Schum.

Sect. 5. *Australiensis*.

498. *C. alsophila*, F. Muell.

Sect. 6. [*Squarrosae*].

499. *C. squarrosa*, Linn. 500. *C. semiforsteri*, C. B. Clarke.*

Divisio VII. PROPRIAE.

Series A. Trichosaccae.

Sect. 1. *Occlusae*. Culmi elongati a foliorum vaginis fere aut omnino oclusi.

501. *C. ligulata*, Nees. 502. *C. Maubertiana*, Boott. 503. *C. hebecarpa*, C. A. Mey. 504. *C. sclerocarpa*, Franch.

Sect. 2. *Bracteosae*.

*Amphigea.

505. *C. filiformis*, Linn.

**Gerontogae.

†Utriculi 4 mm. longi et ultra. Spiculae masculae 2. Rostrum mediocre.

506. *C. nutans*, Host. 507. *C. songorica*, Schrenk. 508. *C. evoluta*, Hartm. 509. *C. hirta*, Linn. 510. *C. Myabei*, Franch.

††Utriculi 3 mm. longi vel infra. Rostrum 0 vel longiusculum.

511. *C. Wallichiana*, *Presc.* 512. *C. setigera*, *D. Don.* 513. *C. Schlagintweitiana*, *Boeck.* 514. *C. inanis*, *Kunth.* 515. *C. barbata*, *Boott.* 516. *C. nemostachys*, *Steud.* 517. *C. Sampsoni*, *Hance.*

***Species in America indigenae.

†Spicae 6 cm. longae.

518. *C. Seatoniana*, *L. H. Bailey.*

††Spicae 2-5 cm. longae.

a. Utriculi rostrum breve vel 0.

519. *C. dasycarpa*, *Muhl.* 520. *C. tenax*, *Boott.* 521. *C. triquetra*, *Boott.* 522. *C. striata*, *Michx.* 523. *C. Houghtoni*, *Torr.* 524. *C. lanuginosa*, *Michx.* 525. *C. aemathorrhyncha*, *C. Gay.*

b. Utriculi rostrum mediocre aut longius.

526. *C. Hookeri*, *Kunth.* 527. *C. Tweediana*, *Nees.* 528. *C. scabrata*, *Schwein.* 529. *C. oregonensis*, *Olney.* 530. *C. trichocarpa*, *Schkuhr.*

c. Minus-bracteosae ; nempe bracteis cum inflorescentiâ subaequilongis.

531. *C. pubescens*, *Willd.* 532. *C. Sullivantii*, *Boott.* 533. *C. vestita*, *Schkuhr.* 534. *C. gynodynama*, *Olney.* 535. *C. venusta*, *Dewey.* 536. *C. assiniboinensis*, *L. H. Bailey.* 537. *C. Coulteri*, *L. H. Bailey.*

Sect. 3. *Hemiscaposae.*

S[ubs]eries A. Species in Europa endemicae aut indigenae.

a. Mediocres. Utriculi 4-5 mm. longi.

538. *C. sempervirens*, *Villars.* 539. *C. ferruginea*, *Scop.* 540. *C. fimbriata*, *Schkuhr.* 541. *C. macrolepis*, *DC.* 542. *C. laevis*, *Willd.* 543. *C. brevicollis*, *DC.* 544. *C. Halleriana*, *Asso.* 544.* *C. rorulenta*, *Porta.*

b. Minores aut vix mediocres ; utriculi 2-3½ mm. longi.

545. *C. digitata*, *Linn.* 546. *C. ornithopoda*, *Willd.* 547. *C. pediformis*, *C. A. Mey.* 548. *C. humilis*, *Leyss.* 549. *C. montana*, *Linn.* 550. *C. depressa*, *Link.* 551. *C. praecox*, *Jacq.* 552. *C. longifolia*, *Host.* 553. *C. pilulifera*, *Linn.* 554. *C. erectorum*, *Pall.* 555. *C. tomentosa*, *Linn.* 556. *C. Grioletii*, *Schkuhr.* 557. *C. globularis*, *Linn.*

S[ubs]eries B. Species in Asia Australi-Orientali indigenae.

a. Utriculi magusculi, 4 mm. longi et ultra.

558. *C. cardiolepis*, *Nees*. 559. *C. thibetica*, *Franch.* 560. *C. drepanorrhyncha*, *Franch.* 561. *C. manca*, *Boott.* 562. *C. simulans*, *C. B. Clarke.* 563. *C. laticeps*, *Franch.* 564. *C. Hancei*, *C. B. Clarke.* 565. *C. rhynchopora*, *Franch.* 566. *C. lamprosandra*, *Franch.* 567. *C. blepharicarpa*, *Franch.* 568. *C. lancifolia*, *C. B. Clarke.* 569. *C. albomas*, *C. B. Clarke.* 570. *C. haematostoma*, *Nees.* 571. *C. hirtella*, *Drejer.* 572. *C. oligocarya*, *C. B. Clarke.*

b. Utriculi 1-3 mm. longi ; rostrum breve.

573. *C. breviculmis*, *R. Br.* 574. *C. tristachya*, *Thunb.* 575. *C. malacocarpa*, *Lév. & Van.* 576. *C. ichangensis*, *C. B. Clarke.*

c. Utriculi 1-3 mm. longi ; rostrum breve conicum aut longius.

577. *C. ligata*, *Boott.* 577 bis. *C. rhynchachaenium*, *C. B. Clarke.** 578. *C. nambuensis*, *Franch.* 579. *C. chinensis*, *Retz.* 580. *C. melanocarpa*, *Trautv.* 581. *C. nervata*, *Franch.* 582. *C. Brenneri*, *Christ.* 583. *C. sachalinensis*, *F. Schmidt.* 584. *C. sociata*, *Boott.* 585. *C. conica*, *Boott.* 586. *C. pisiformis*, *Boott.* 587. *C. alterniflora*, *Franch.* 588. *C. truncatigluma*, *C. B. Clarke.* 589. *C. lasiolepis*, *Franch.* 590. *C. Duvaliana*, *Franch. & Savat.* 591. *C. Wrightii*, *Franch.* 592. *C. setosa*, *Boott.* 593. *C. kashmirensis*, *C. B. Clarke.*

d. Utriculi 1-3 mm. longi, rostro nullo aut perbrevis.

594. *C. laeta*, *Boott.* 595. *C. Davidi*, *Franch.* 596. *C. foraminata*, *C. B. Clarke.* 597. *C. gifuensis*, *Franch.* 598. *C. delicatula*, *C. B. Clarke.** 599. *C. makinoensis*, *Franch.* 600. *C. tapintzensis*, *Franch.* 601. *C. capilliformis*, *Franch.* 602. *C. tsangensis*, *Franch.*

S[ubs]eries C. Species in Americâ indigenae.

603. *C. turbinata*, *Liebm.* 604. *C. globosa*, *Boott.* 605. *C. pennsylvanica*, *Lam.* 606. *C. Richardsons*, *R. Br.* 607. *C. rigens*, *L. H. Bailey.* 608. *C. concinna*, *R. Br.* 609. *C. communis*, *L. H. Bailey.* 610. *C. umbellata*, *Schkuhr.* 611. *C. varia*, *Schkuhr.* 612. *C. Novae-Angliae*, *Schwein.* 613. *C. Rossii*, *Boott.* 614. *C. lucorum*, *Willd.* 615. *C. floridana*, *Schwein.* 616. *C. nigromarginata*, *Schwein.*

[Series B.] Psilosaccae. Hemiscaposae.

A. Utriculi non granulati ; rostrum brevius.

617. *C. vaginata*, *Tausch.* 618. *C. subvaginata*, *C. B. Clarke.** 619. *C. pilosa*, *Scop.* 620. *C. capil-*

laris, *Linn.* 621. *C. alba*, *Scop.* 622. *C. eburnea*, *Boott.* 623. *C. pedata*, *Wahlenb.* 624. *C. supina*, *Wahlenb.* 625. *C. obesa*, *All.* 626. *C. olbiensis*, *Jord.* 627. *C. asturica*, *Boiss. & Heldr.* 628. *C. armena*, *Boiss.* 629. *C. delicata*, *C. B. Clarke.** 630. *C. mitrata*, *Franch.* 631. *C. Mariesii*, *C. B. Clarke.** 632. *C. ischne*, *C. B. Clarke.** 633. *C. jacens*, *C. B. Clarke.** 634. *C. temnolepis*, *Franch.* 635. *C. siko-kiana*, *Franch.* 636. *C. siderosticta*, *Hance.* 637. *C. pachygyne*, *Franch. & Savat.* 638. *C. breviscapa*, *C. B. Clarke.*

B. Utriculi non granulati ; nux non rostrata.

639. *C. firma*, *Host.* 640. *C. brachystachys*, *Schrank.* 641. *C. Michellii*, *Host.* 642. *C. oligostachys*, *Meinsh.* 643. *C. Morrowii*, *Boott.* 644. *C. Jackiana*, *Boott.*

C. Rostrum breve vel 0.

645. *C. laxa*, *Wahlenb.* 646. *C. rariflora*, *Sm.* 647. *C. holostoma*, *Drejer.* 648. *C. stylosa*, *C. A. Mey.* 649. *C. limosa*, *Linn.* 650. *C. panicea*, *Linn.* 651. *C. Meadii*, *Dewey.* 652. *C. tenuissima*, *Boott.* 653. *C. livida*, *Willd.* 654. *C. Meyeriana*, *Kunth.* 655. *C. Moorcroftii*, *Boott.* 656. *C. conferti-spicata*, *Boeck.*

D. Nux rostrata. Species omnes in Chinâ vel Japoniâ.

657. *C. Harlandi*, *Boott.* 658. *C. tenebrosa*, *Boott.* 659. *C. brevicuspis*, *C. B. Clarke.* 660. *C. manci-formis*, *Franch.* 661. *C. Fauriei*, *Franch.* 662. *C. artinux*, *C. B. Clarke.** 662 bis. *C. nexa*, *Boott.*

*Americanae.

663. *C. plantaginea*, *Lam.* 664. *C. platyphylla* *Carey.* 665. *C. Careyana*, *Dewey.* 666. *C. caroliniana*, *Buckl.* 667. *C. Baltzellii*, *Chapm.*

**Marginatae.

a. Spicae 5-9, usque ad 7-10 cm. longae.

668. *C. Pringlei*, *L. H. Bailey.* 669. *C. hispida*, *Schkuhr.*

b. Utriculi mediocres, c. 4-5 mm. longi.

670. *C. ustulata*, *Wahlenb.* 671. *C. Durieui*, *Steud.* 672. *C. frigida*, *All.* 673. *C. pseudofrigida*, *C. B. Clarke.** 674. *C. cruenta*, *Nees.* 675. *C. scita*, *Maxim.* 676. *C. flavocuspis*, *Franch.* 677. *C. funicularis*, *Franch.* 678. *C. gansuensis*, *Franch.* 679. *C. sharensis*, *Franch.* 680. *C. Franklinii*, *Boott.* 681. *C. petricosa*, *Dewey.* 682. *C. macrochaeta*, *C. A. Mey.* 683. *C. spectabilis*, *Dewey.* 684. *C. luzulifolia*, *L. H. Bailey.* 685. *C. pseudojaponica*, *C. B. Clarke.** 686. *C. Banksii*, *Boott.*

c. Utriculi minores ; circa 3 mm. longi.

687. *C. Camposii*, *Boiss. & Reut.* 688. *C. behringensis*, *C. B. Clarke*.* 689. *C. pseudo-atrata*, *Meinsh.*
 690. *C. levicaulis*, *Franch.* 691. *C. luzulina*, *Olney.*
 692. *C. pachyandra*, *C. B. Clarke*.* 693. *C. macrogyna*, *Turcz.* 694. *C. chilosaccus*, *C. B. Clarke*.*
 695. *C. Montis-Eeka*, *Hillebr.*

Interruptae.

S[ubs]eries A. Species in Europâ, Oriente, Mongoliâ, indigenae.

696. *C. sylvatica*, *Huds.* 697. *C. strigosa*, *Huds.*
 698. *C. depauperata*, *Curt.* 699. *C. elata*, *Lowe.* 700.
C. Perraudieriana, *J. Gay.* 701. *C. Hochstetteriana*,
Seub. 702. *C. Glehnii*, *F. Schmidt.* 703. *C. mollissima*,
Christ. 704. *C. Ktausipali*, *Meinsh.* 705. *C. Arnelli*,
Christ.

S[ubs]eries B. Species in Asiâ Australi et Orientali indigenae.

706. *C. fusiformis*, *Nees.* 707. *C. finitima*, *Boott.*
 708. *C. filipes*, *Franch. & Savat.* 709. *C. Rouyana*,
Franch. 710. *C. parciflora*, *Boott.* 711. *C. papulosa*,
Boott. 712. *C. dissitiflora*, *Franch.* 713. *C. cercidascus*,
C. B. Clarke. 714. *C. stenantha*, *Franch. & Savat.*
 715. *C. bostrychostigma*, *Maxim.* 716. *C. conspicua*,
Boott.* 717. *C. longibracteata*, *Boott.*

S[ubs]eries C. Species in Americâ indigenae.

a. Spicae interruptae ; utriculi oblongo-lanceolati.

718. *C. debilis*, *Michx.* 719. *C. misera*, *Buckl.*
 720. *C. arctata*, *Boott.*

b. Spicae laxae parum interruptae ; utriculi ovoidei, nervosi. Laxiflorae.

721. *C. laxiflora*, *Lam.* 722. *C. blanda*, *Dewey.*
 723. *C. laxiculmis*, *Schwein.* 724. *C. ptychocarpa*,
Steud. 725. *C. Hendersoni*, *L. H. Bailey.* 726. *C. digitalis*,
Willd. 727. *C. oligocarpa*, *Schkuhr.* 728. *C. Hitchcockiana*,
Dewey. 729. *C. Albursina*, *Sheldon.* 730. *C. styloflexa*,
Buckl. 731. *C. grisea*, *Wahlenb.* 732. *C. flaccosperma*,
Dewey.

[Divisio] VII. BREVIROSTRES. Foliosae.

a. Pendulae.

733. *C. pendula*, *Huds.* 734. *C. microcarpa*, *Moris.*
 735. *C. brasiliensis*, *St. Hil.* 736. *C. paleata*, *Boott.*

b. Succisaccae.

737. *C. rotundata*, *Wahlenb.* 738. *C. compacta*,
R. Br. 739. *C. pallescens*, *Linn.* 740. *C. flacca*,
Schreb. 741. *C. Regeli*, *B. & O. Fedtsch.* 742. *C. Nigella*,
Hook. 743. *C. arakamensis*, *C. B. Clarke*.*
 744. *C. dispalata*, *Boott.* 745. *C. maculata*, *Boott.*

746. *C. bidentula*, *Franch.* 747. *C. microsaccus*, *C. B. Clarke.** 748. *C. dineuros*, *C. B. Clarke.* 749. *C. vicinalis*, *Boott.* 750. *C. Munroi*, *C. B. Clarke.* 751. *C. heterostachya*, *Bunge.* 752. *C. lobulirostris*, *Drejer.*

c. Species in Oceaniâ indigenae.

753. *C. Brownii*, *Tuckerm.* 754. *C. lacistoma*, *R. Br.* 755. *C. Richmondi*, *Boott.** 756. *C. Neesiana*, *Endl.* 757. *C. Solandri*, *Boott.* 758. *C. ochrosaccus*, *C. B. Clarke.* 759. *C. litorosa*, *L. H. Bailey.* 760. *C. decurtata*, *Cheesem.* 761. *C. uncifolia*, *Cheesem.* 762. *C. Berggreni*, *Cheesem.* 763. *C. Hectori*, *Petrie.* 764. *C. Petriei*, *Cheesem.* 765. *C. Dallii*, *T. Kirk.* 766. *C. dissita*, *Boott.* 767. *C. ventosa*, *C. B. Clarke.* 768. *C. comans*, *Berggr.* 769. *C. pleiostachys*, *C. B. Clarke.*

d. Americanae.

770. *C. conoidea*, *Schkuhr.* 771. *C. tetanica*, *Schkuhr.* 772. *C. hinnulea*, *C. B. Clarke.* 773. *C. littoralis*, *Schwein.* 774. *C. Torreyi*, *Tuckerm.* 775. *C. brachycalama*, *Griseb.* 776. *C. microdonta*, *Torr.* 778. *C. felipensis*, *C. B. Clarke.** 779. *C. granularis*, *Schkuhr.* 780. *C. spissa*, *L. H. Bailey.* 781. *C. glaucescens*, *Ell.* 782. *C. Reynoldsii*, *Dewey.* 783. *C. Tolmiei*, *Hook.*

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784. *C. punctata*, *Gaudin.* 785. *C. fulva*, *Good.* 786. *C. Mairii*, *Coss. & Germ.* 787. *C. helodes*, *Link.* 788. *C. distans*, *Linn.* 789. *C. vikingensis*, *C. B. Clarke.** 790. *C. fissirostris*, *Ball.* 791. *C. diluta*, *Bieb.* 792. *C. flava*, *Linn.* 793. *C. viridula*, *Michx.* 794. *C. extensa*, *Good.* 795. *C. acutiformis*, *Ehrh.* 795 *bis.* *C. Olgaë*, *Regel.* 796. *C. pinguipes*, *C. B. Clarke.**

Series B. *Asiaticae.*

797. *C. alopecuroides*, *D. Don.* 798. *C. japonica*, *Thunb.* 799. *C. tumida*, *Boott.* 800. *C. transversa*, *Boott.* 800 *bis.* *C. subtransversa*, *C. B. Clarke.** 801. *C. ischnostachya*, *Steud.* 802. *C. lurida*, *C. B. Clarke.* 803. *C. mollicula*, *Boott.* 804. *C. vernicosa*, *Franch.** 805. *C. villosa*, *Boott.* 806. *C. alliiformis*, *C. B. Clarke.* 807. *C. olivacea*, *Boott.* 808. *C. phaenocarpa*, *Franch.* 809. *C. curvicollis*, *Franch. & Savat.* 810. *C. basiflora*, *C. B. Clarke.*

Series C. *Oceanicae.*

811. *C. Bichenoviana*, *Hook. f.* 812. *C. Preissii*, *Nees.* 813. *C. Gunniana*, *Boott.* 814. *C. vacillans*,

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[Divisio] IX. **ROBUSTIORES.**

Bracteatae ; *utriculis longirostratis.*

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849. *C. pumila*, *Thunb.* 850. *C. Forbesii*, *C. B. Clarke.* 851. *C. Pierotii*, *Miq.* 852. *C. hordeistichos*, *Villars.*

Series 2. *Utriculi non incrassati.*

a. *Palæarcticae.*

853. *C. aristata*, *R. Br.* 854. *C. riparia*, *Curt.* 855. *C. rostrata*, *With.* 856. *C. vesicaria*, *Linn.* 857. *C. rhynchophysa*, *C. A. Mey.* 858. *C. Pseudocyperus*, *Linn.* 858 *bis.* *C. pamirensis*, *C. B. Clarke.**

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859. *C. Boottiana*, *Hook. & Arn.* 860. *C. Wilfordii*, *C. B. Clarke.* 861. *C. ventricosa*, *Franch.* 862. *C. Monile*, *Tuckerm.* 863. *C. vesicata*, *Meinsh.* 864. *C. atanensis*, *Franch.* 865. *C. pollens*, *C. B. Clarke.* 866. *C. capricornis*, *Meinsh.* 867. *C. Dickinsii*, *Franch. & Savat.* 868. *C. Idzuraei*, *Franch.* 869. *C. Michauxiana*, *Boeck.*

c. *Oceanicae.*

870. *C. trifida*, *Cav.* 871. *C. Forsteri*, *Wahlenb.* 872. *C. fascicularis*, *Boott.*

d. Africanæ.

873. *C. clavata*, *Thunb.* 874. *C. drakensbergensis*,
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e. Americanæ.

A. Spicæ masculæ sæpe 2 vel plures.

876. *C. utriculata*, *Boott.* 877. *C. exsiccata*, *L. H. Bailey.* 878. *C. gigantea*, *Rudge.* 879. *C. bullata*,
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ERRATA.

- Page 81, line 5 from top, for *inplens* read *implens*.
 Page 98, line 14 from top, for *C. scaberrimus*, *Kunth*, read
 C. scaberrimus, *Boeck*.
 Page 99, line 9 from bottom, for *C. scaberrimus*, *chacoënsis*, read
 C. chacoënsis.
 Page 99, line 8 from bottom, for *Boeck. non Kunth*, read *Nees non*
 Boeck.
 Page 110, line 5 from top, for *C. Burkei* read *B. Burkei*.
 Page 141, line 2 from bottom, for *Bis-Hallii* read *bishallii*.