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# PRODROMUS

# SYSTEMATIS AROIDEARUM.

AUCTORE

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PHIL. DOCT. HORTOR. AC VIVARIOR. CAESAREOR. PRAEFECTO, ORDINIS FRANCISCI JOSEPHI EQUITI, ACADEMIAR. LEOPOLDO-CAROLINAE NATUR. CURIOSOR. ET CAESAREAE SCIENTIAR. VINDOBON. SOCIO.

VINDOBONAE,

TYPIS CONGREGATIONIS MECHITHARISTICAE.

1860.

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Difficile est naturalem in vivis cognoscere speciem, difficilius eam in siccis scrutari, sed difficillimum certe, e frustulis male decerptis, saepe pessime conservatis, immo interdum et commutatis, veram investigare.

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# Lectori

**s.**

Quae per quadraginta annos de Aroideis compilare, eruere et dignoscere potui, Botanicis hic trado.

Opusculum summo studio et impensis inceptum et peractum, ab Aroideophilis liberalitate sit receptum, exopto.

Errores rogo, benigne ut ignoscantur. Feci quae potui.

Ex Horto Schoenbrunnensi Maio 1860.

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libellum hocce in gratissimi
animi tesseram dicat

**Auctor.**

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# Conspectus Systematis.

**Aroideae** *Juss.*
**I. Diclines.**
*A.* Efilamentatae.
**a.** Stenozeugmaticae.
*α.* Orthotropooae.
**Tribus Alleluchieae** *S.*
Subtr. Cryptocoryninae. *S.*
Cryptocoryne. ***Fischer.***
Lagenandra. ***Dalzel.***
Subtr. Pinellinae. *S.*
Pinellia. ***Tonore.***
**Tribus Arisareae.** *S.*
Arisarum. ***Tozz.***
Arisaema. ***Martius.***
**Tribus Dracunculeae.** *S.*
Subtr. Biarinae. *S.*
Biarum. *S.*
Leptopetion. *S.*
Cyllenium. *S.*
Ischarum. *S.*
Sauromatum. *S.*
Subtr. Arinae. *S.*
Gymnomesium. *S.*
Arum. ***L.***
Subtr. Helicophyllinae. *S.*
Theriophonum. ***Blume.***
Tapinocarpus. ***Dalzel.***
Calyptrocoryne. *S.*
Typhonium. *S.*
Heterostalis. *S.*
Eminium. *S.*
Helicophyllum. *S.*
Helicodiceros. *S.*
Subtr. Dracunculinae. *S.*
Dracunculus. *S.*

*β.* Anatropooae.
**Tribus Zomicarpeae.** *S.*
Zomicarpa. *S.*
**Tribus Pythonieae.** *S.*
Subtr. Amorphophallinae. *S.*
Allopythion. *S.*
Pythonium. *S.*
Plesmonium. *S.*
Rhaphiophallus. *S.*
Synantherias. *S.*
Brachyspatha. *S.*
Conophallus. *S.*
Amorphophallus. ***Blume.***
Subtr. Hydrosminae. *S.*
Corynophallus. *S.*
Hydrosme. *S.*
Hansalia. *S.*
Anchomanes. *S.*
**b.** Pachyzeugmaticae.
*α.* Gymnogoneae.
**Tribus Caladieae.** *S.*
Subtr. Colocasinae. *S.*
Ariopsis. ***Graham.***
Remusatia. *S.*
Colocasia. *S.*
Leucocasia. *S.*
Subtr Alocasinae. *S.*
Gonatanthus. ***Klotzsch.***
Alocasia. *S.*
Peltandra. ***Rafinesque.***
Subtr. Anubiadinae. *S.*
Anubias. *S.*
Subtr. Syngoninae. *S.*
Typhonodorum. *S.*
Hapaline. *S.*

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Caladium. *Vent.*
Xanthosoma. *S.*
Acontias *S.*
Syngonium. *S.*
Subtr. Problematicae.
Zamioculcas. *S.*
**Tribus Philodendreae.** *S.*
Subtr. Aninginae. *S.*
Montrichardia. *Crüger.*
Subtr. Culcasinae. *S.*
Culcasia. *Paliss.*
Nephthytis. *S.*
Cercestis. *S.*
Subtr. Philodendrinae. *S.*
Philodendron. *S.*
Subtr. Anaporinae. *S.*
Aglaonema. *S.*
Aglaodorum. *S.*
Subtr. Homalomeninae. *S.*
Zantedeschia. *Spreng.*
Homalomena. *S.*
Chamaecladon. *Miquel.*
Subtr. Adeloneminae. *S.*
Adelonema. *S.*
Philonotium. *S.*
Sub. Schismatoglottidinae *S.*
Apatemone. *S.*
Buccphalandra. *S.*
Schismatoglottis. *Zolling.*
Apoballis. *S.*
*β.* Peristatogoneae.
**Tribus Richardieae.** *S.*
Richardia. *Kunth.*
**Tribus Asterostigmeae.** *S.*
Subtr. Dieffenbachininae. *S.*
Dieffenbachia. *S.*
Subtr. Asterostigmatinae. *S.*
Mangonia. *S.*
Taccarum. *Brongn.*
Asterostigma. *S.*
Rhopalostigmium. *S.*
Andromycia. *La Sagra.*
Subtr. Spathicarpinae. *S.*
Spathicarpa. *Hooker.*
Spathantheum. *S.*
*B.* Filamentatae.
**Tribus Stylochitoneae.** *S.*
Stylochiton. *Leprieur.*

**II. Monoclines.**

**Tribus Calleae.** *S.*
Subtr. Callinae. *S.*
Calla. *L.*
Subtr. Monsterinae. S.
Stenospermation. *S.*
Atimeta. *S.*
Rhodospatha. *Poepp.*
Anepsias. *S.*
Tornelia. *Gutierez.*
Alloschemone. *S.*
Monstera. *Adans.*
Heteropsis. *Kunth.*
Rhaphidophora. *Hassk.*
Epipremnum. *S.*
Anadendron. *S.*
Scindapsus. *S.*
Cuscuaria. *S.*
**Tribus Orontieae.** *R. Br.*
Subtr. Lasinae. *S.*
Lasia. *Lour.*
Cyrtosperma. *Griff.*
Anaphyllum. *S.*
Lasimorpha. *S.*
Urospatha. *S.*
Arisacontis. *S.*
Subtr. Dracontioninae. *S.*
Dracontium. *L.*
Echidnium. *S.*
Ophione. *S.*
Symplocarpus. *Salisb.*
Subtr. Orontioninae. *S.*
Lysichiton. *S.*
Orontium. *L.*
Subtr. Spathiphyllinae. *S.*
Spathiphyllum *S.*
Subtr. Anthurinae. *S.*
Anthurium. *S.*
Subtr. Pothoinae. *S.*
Pothos. *L.*
Pothoidium. *S.*
Subtr. Acorinae. *S.*
Gymnostachys. *R. Br.*
Acorus. *L.*

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# AROIDEAE.

Plantae monocotyleae perennes, succo decolori l. lacteo, rhaphidibus et caustico volatili fetae. *Radix* primaria mox evanescens, secundariae plures adventiciae, aut terrestres annuae circum turionem multiplice et aequicrasse provenientes [1]), l. una l. altera semper fortior, fusiformis, reliquis tenuioribus filiformibus praevalens [2]), l. omnes bi-triennes validiores [3]); aut aëreae diu persistentes, sub l. ad nodos prorumpentes, l. secus internodia fili- l. funiforme prolongatae, adnascentes l. dependentes, substratum tangentes in ramulos divisae [4]).

*Caudex* aut hypogaeus tuberiformis, annua innovatione lente descendenter — l. horizontaliter prolongatus annuaque absorptione partis priorum annorum semper fere conformis, ex axillis foliorum recentium l. praeteritorum, gemmas, tandem in tubercula secedentes formans [5]), l. sobolis novas propagines late dispergens [6]); aut pseudohypogaeus in limno sub aqua repens [7]) l. fluctuans [8]); aut

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[1]) Arum. [2]) Biarum. [3]) Anchomanes. [4]) Philodendra. [5]) Arum. [6]) Gonatanthus. [7]) Cryptocoryne. [8]) Calla.

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epigaeus prorepens [1]), erectus [2]), adscendens [3]), l. scandens [4]), trunciformis [5]), contractus [6]), simplex, ramosus l. virgultans [7]); radicans, l. radice hypostatica demum praeditus [8]). Ramos inderdum emittit hypogaeus vaginulis tantum vestitos, tubercula dense squamuloso-vaginulata producentes (NB).

*Gemmae* l. innovationes *fixae*: l. axillares extra axillares [9]) l. supra axillares [10]); foliis in vernatione convolutis, semper inaequilateris, latere exteriore angustiore, lobis l. segmentis posticis (ubi adsunt) tortuoso-inflexis [11]) l. deflexis [12]), anticis singulis convolutis, conniventibus [13]); *deciduae*: tubercula, l. squamis obtecta *) l. nuda **).

*Folia evoluta* aut proteranthia aut hysteranthia, aut perfecta petiolo et lamina instructa, aut imperfecta, phyllodinea [14]) aut rudimentaria vaginae-l. squamiformia, aut alterna l. bifaria, annua [15]) l. pluriennia [16]), autumnalia l. vernalia, marcescentia l. decidua, solitaria l. bina l. comata, patentia, flaccida l. petiolorum vaginis omnibus arcte amplexis caudicem erectum mentientia.

*Petiolus* fol. perfecti et imperfecti imo semper vaginatus, teres, semiteres, canaliculatus, sulcatus carinatus, acietatus l. compressus, eximo sensim l. raptim [13]) attenuatus, apice cum costa continuus l. subarticulatus [17]) l. geniculi ope junctus, cum stipula (de-

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[1]) Arthur. radicans. [2]) Aglaonema. [3]) Anthuria. [4]) Philodendr. [5]) Philodendr. bipinnatifidum. [6]) Anthurium crussinervium. [7]) Aglaonema, Homalomena. [8]) Heteropsis. [9]) Monsterinae. [10]) Allopathos. [11]) Helicodiceros. [12]) Xanthosoma. [13]) Anthur. digitat. [14]) Acorus. [15]) Arum. [16]) Anthuria. [17]) Philodendra. — NB) Remusatia. *) Remusatia, Gonatanthus **) Pinellia, Conophallus etc.

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cidua l. persistente) concretus l. absque illa productus, tenuis, firmus, crassus, ventricosus [1]) l. fluitans, cum axi connatus [2]), l. liber, tuberculiger l. absque tuberculis, brevis, longus, longissimus, transiens, limitatus, l. in crura divisus [3]), cruribus lateralibus intermedio fortioribus [4]), l. crure intermedio quam lateralia fortiore [5]) maculatus, verrucosus, armatus l. puberulus, l. glaber.

*Geniculum* integrum [6]) l. divisum [7]), breve, longum, obsoletum, incrassatum, teres, semiteres l. sulcatum.

*Costa* e petiolo transeunte l. limitato simplex l. divisa; e crurigero multiplex; aut tumida [8]) est l. crassa, tenuis, teretiuscula, semiteres, sulcata, hinc l. inde convexa l. acietata, (ex toto l. pro parte), l. pluriacietata [9]) apice saepe subdeliquescens, semper tamen terminans, inferne interdum longe l. longissime denudata(NB), interdum pilosa, palcata l. armata.

*Costae divisiones* principales crassae, plerumque ex imo ejus exsertae *costulae* [10]), si tenuiores *nervi* [11]) nuncupatae, continue l. articulatim ex illa emissae, simplices l. ramosae (venosae), arrectae; plus minusve patentes l. divergentes imo denudato ansam praebentes.

*Venae* costae l. costularum rami primarii validiores, marginem raro attingentes, varie directae,

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[1]) Philodendr. cannaefol. [2]) Heteropsis. [3])Conophallus. [4]) Dracunculus. [5]) Amorphophallus, etc. [6]) Anthuria uninervia. [7]) Anthuria digitata. [8]) Philodendr. crassinervium. [9]) Anthurium crassinervium. [10]) Arum. Xanthosoma. [11]) Anthur. trinerv. Cryptocoryne cordata, Anthuria cordifol. NB) Anthurium cuspidifol., Oerstedianum.

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jam ante marginem plerumque arcuatim confluentes, nervos spurios margini parallelos, i. e. *pseudoneura* tria l. quatuor continua l. interrupta exstruentes, extimo fere in margine, intimo raro semilaminae dimidium eligente [1]).

*E venarum ramulis* interdum in intervenio vena l. venae spuriae 1—5—7 exortae l. formatae, venae legitimae plus minusve similes, quandoque irregulariter-flexuosae ut *venastra* indicandae [2]).

Ulteriores vasorum ramuli tenues l. tenuissimi *venulae* nempe, varia directione exsertae, approximatae remotae l. parallela, costales l. venales [3]), saepe multiplici eorum l. eorumque ramulorum anastomosi in areolas majores minoresque, diversissima figura reticulatae.

Parenchymate expleta vasorum ramificatio folii *laminam* formans, est herbacea, chartacea, pergamena, l. coriacea, secundum nexum cum petiolo articulata l. inarticulata, peltata l. impeltata, quoad ambitum: rotundata, elliptica, angulata l. linearis; quoad extensionem: elongata l. abbreviata, dilatata l. angustata; quoad formam: ovata, oblonga, lanceolata, cordiformis, reniformis, sagitti - l. hastiformis, lobata l. secta; quod attinet imum: decurrens, cuneata, obtusata, rotundata, emarginata, cordata, sagittata l. hastata; respectu marginis: fere semper integerrima et rarissime crenata l. dentata [4]) l. repanda; quoad apicem: acuta, acuminata, cuspidata l. obtusa, rotundata et retusa, semper sum-

[1]) Eupothos, Allopothos. [2]) Anthuria, Xanthosoma, Colocasia, Alocasia. [3]) Philodendron. [4]) Arisaema serratum.

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mo apice convoluta et apiculata; quoad superficiem: deplanata, aequata, laevigata, undulata, undata l. bullata, (vasis immersis, prominulis, l. in sulcis reconditis); quoad indumentum: glabra, puberula l. squamigera; quoad splendorem: opaca, nitida l. lucida; quoad colorem: concolor, pallide-, laete-, flavo-, glauco-, atrovirens, l. discolor, l. picta et maculata, (albo, flavo, rubro, violaceo, etc.); quoad expletionem: referta, pellucida l. foraminosa [1]): quoad dissidium: cohaerens l. disrumpens [2]).

*Imperfecta folia* praecipue in frutescentibus provenientia, plerumque e petiolo et laminae rudimento exstructa, turionis imum et apicem occupantia [3]) saepe ad mera phyllodia, l. petiolum acutatum [4]) reducta.

Rudimentaria folia, *vaginae* petiolo carentes, stipulam, braeteam et integumenta turionis et gemmae formant. *Stipula* l. cum petiolo folii connata [4]) l. subopposita [5]) l. cum folio alternans [6]), vegeto-persistens [4]), marcescens, diu persistens, l. decidua [7]), virens, l. albescens [8]). — *Bracteae* stipulis plus minusve similes, situ et magnitudine praecipue diversae. *Integumenta turionalia* duplici formata sunt modo, aut stipulis conformia, magnitudine tantum variantia, simpliciter convoluta, plus minusve membranacea, marcescentia l. decidua in turione annuo, aut bifrontalia, antrorsum et retrorsum obvolventia, persistentia l. serius decidua.

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[1]) Monstera. [2]) Anchomanes. [3]) Folia floralia plura, Pothos. [4]) Philodendr. juvenculae folia, Philodendr. grex Pteromischum. [5]) Philodendra adulta. [6]) Anthuria. [7]) Philodendr. plura, Rhaphidophora. [8]) Tornelia.

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Peculiare Aroidearum folium plus minusve transmutatum invenimus in *Spatha*. Pedunculo parte petiolari accretum, cum illo prolatum est, rarissime ex totò solutum pedunculum tubulose ambit [1]) ubique vero spadicis in juventute tutelare tegmen sive involucrum. Evoluta spatha quoad terminalem partem nunc consideranda, aut foliaris [2]) laminaris [3]), vaginalis [4]) l. phyllodinea [5]); est continua explanata, aut in tubum, pervium, l. phragmate horizontali [6]) l. verticali [7]), semiclausum, connatum [8]) l. convolutum, (epigaeum, hypogaeum l. hypolimnum) et laminam tubulosam, concavatam, cymbiformem, fornicatam, l. planam, tortam, elongatam l. abbreviatam [9]) distincta; aut ex toto, l. lamina marcescens; aut ex toto l. tubo persistens (et tandem disrumpens), l. decidua, ex toto l. pro parte colorata, maculata, striata l. picta, l. virens, crassa, coriacea, herbacea, l. membranacea, erecta, patens, flaccida, l. reflexa, imo decurrens, sessilis l. amplexa, lata l. angusta, acuta l. acuminata et cuspidata, ut plurimum glaberrima, interdum dorso puberula l. paleata.

*Pedunculus* est terminalis [10]), saepe in ramulo axillari [11]), elongatus, abbreviatus, foliis longior l. brevior, ut plurimum teres, intra spatham quandoque breviter aut longe productus spadicem stipitans, glaber, pubescens, maculatus, muricatus l. armatus, erectus, declinatus l. natans, solitarius aut

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[1]) Orontium, Lysichiton. [2]) Spathiphyllum. [3]) Lasinae, Dracontioninae. [4]) Anthurium, Pothos. [5]) Acorus. [6]) Pinellia. [7]) Ambrosinia. [8]) Biarum, Sauromatum. [9]) Brachyspatha. [10]) Pothos cylindricus et longipes. [11]) Eupothos.

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plures alterne bifariam consociati in ramulo brevissimo vagina fertili recondito, vaginis bracteantibus bifrontalibus comitatis [1]).

Inflorescentia Aroideis propria est *Spadix* eorum, fructificationis partes ebracteatas inarticulate ex axi emergens. Spathae tubo tantum l. et lamina obvolutus est, spatham saepe superans, continuus, liber l. cum spatha ex toto [2]) l. pro parte connexus [3]), sessilis l. pedunculo intra spatham prolongato, stipitatus [4]), diclinus l. monoclinus. Diclinus masculus, femineus, interrupte-, contigue-, l. serietim opposite-androgynus [5]), parastadiatus [6]) l. eparastadiatus [7]), appendicatus, l. inappendicatus, semper a basi florens. Monoclinus androgynanthus, (perigynandrus) a basi l. ab apice florens [8]).

Flores diclines: masculi l. feminei, liberi, nudi l. alveolo sive urceolo cincti [9]). l. varie connati, neutris comitati l. destituti; monoclines: l. hermaphroditi gymnanthi, raro urceolo aucti [10]), l. sepalanthi, (perigonanthi) sepalis liberis l. connatis, semper distincti (inferiores et supremi in spadice plerumque l. saepe minus perfecti l. imperfecti), omnes rhachi continui l. plus minusve immersi [11]), approximati l. remoti. Stamina masculorum florum numero vix definita, filamentis orbata, acervatim, acervulis distantibus stipitatis [12]), l. sessilibus consociata, l. filamentis manifestis praedita; hermaphroditorum omnium numero magis definita, filamentata; sepalanthorum

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1) Philodendra plura. 2) Spathicarpae. 3) Pinellia. 4) Anthuria plura. 5) Spathicarpa. 6) Arum. 7) Pinellia. 8) Dracontium. 9) Peltandra, Stylochiton. 10) Anadendrum. 11) Symplocarpus, Lysichiton. 12) Arisaema.

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sepalis opposita, exserta l. inexserta. Antherae singulae biloculares, masculorum florum l. liberae l. dorso in synandrium connatae, l. omnes spadicis partis masculae arcte connatae, per foramina interstitialia simultaneam pollinis emissionem loculorum diversarum antherarum concedentes [1]); hermaphroditorum semper liberae; loculi appositi l. oppositi, omnium in juventute bilocellati, extrorsum versi, connectivo breviore l. longiore, inferne l. apice protenso, immo cornuto [2]), crassiores l. tenuiores et multo breviores, ab apice tubulo [3]), poro, rimula l. rima, rarissime ad imum extensa, l. poris l. rimis loculorum confluentibus [4]) aperientes. Pollen amorphe l. farciminulose expulsum, sphaeroideo-ellipsoideum, laevigatum.

*Organa neutra* subulata, tuberculiformia, obovata, obpyramidata l. sepaloidea, aut *avarodia:* ovariis intermixta [5]) l. iis superposita [6]), ovoidea l. clavata; aut staminodia l. in systaminodia [7]) concreta, coadunata l. lobata [8]) l. libera circum ovaria, supra ovaria l. supra stamina [9]), immo in appendice [10]).

*Appendix* aut obsoleta, brevis, longa, l. longissima, aut incrassata l. filiforme-attenuata [11]), stipitata l. sessilis, epithemato crasso [12]) l. tenuissimo [13]) plano, l. organa sterilia exserente [14]) obducta.

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[1]) Ariopsis. [2]) Theriophonum. [3]) Cryptocoryne, Bucephalandra. [4]) Synantherias. [5]) Colocasia. [6]) Heterostalis, Plesmoninm. [7]) Alocasia etc. [8]) Mangonia. [9]) Dieffenbachia, — Pythoninm. [10]) Helicodiceros. [11]) Arisaemata plura. [12]) Arum. [13]) Dracunculus. [14]) Helicodiceros.

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*Pistilla* mono- l. (vix definite-) pleiogastrica, carpellis marginibus connatis, l. sub-, l. ad axin usque induplicatis, abortu saepe alteratis. *Ovaria* loculamentis 1-∞-ovulatis, astyla l. in stylum obsoletum, continuum, abrupte-attenuatum, persistentem l. deciduum [1]), l. incrassato- dilatatum, liberum l. vicinis connatum [2]) prolongata, stigmate vario, saepe colorato, integerrimo, capitato, hemisphaerico, conico, gibboso, l. lobato et asteriscoformi [3]), deplanato l. convexo, rotundato, oblongo l. punctiformi, saepe guttato-coronata, omnia interdum spicae femineae in syncarpidium legitimum, rhachi impositum, l. cum rhachi connatum [4]), l. spurium ex ovariis rhachi incrassatae immersis unita. Placentae fundifixae, parietales, extremifixae, septifixae, protuberantes, tenues l. obsoletae. Funiculi obsoleti, breves, longi l. longissimi, erecti, asscendentes, horizontales, inversi l. vagi, recti l. varie curvi l. flexi. Ovula orthotropa (ex apice funiculi recte protensa), refracta (ex apice funiculi retrocurva), transversa l. campylotropa (funiculo fere peltatim affixa), l. anatropa (funiculo lateraliter ad medium l. ex toto adnata).

*Fructus:* Baccae liberae, interdum inter se l. cum rhachi immerse l. emerse connatae, uni- l. pluri-loculares, in loculamentis pulpa acri l. et dulcissima [5]) impletis, uni- l. polyspermae, coloratae, caducae [6]), deciduae, fixae, l. epicarpio operculi modo abjecto axifixae [7]), sepalanthorum e sepalis

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[1]) Amorphophallus. [2]) Xanthosoma. [3]) Asterostigma [4]) Cryptocoryne. [5]) Tornelia. [6]) Caladium. [7]) Monstera, Rhaphidophora.

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emarcidis l. immutatis excedentes, l. a grandefactis obvallatae.

*Semina* ortho-, campylo-, l. anatropa, erecta, horizontalia l. pendula, sessilia l. funiculo brevi l. longo sustenta, mucilagini rarissime evanescenti immersa, rotundata, ellipsoidea, reniformia l. plus minusve elongata, recta l. curva, germinationis facultate mox peritura. *Testa* epidermide arillacea, saepe succulenta valida [1]), mox exsiccata, interdum arcte adhaerente obducta, crassa, l. tenuis, laevigata, scrobiculata, verrucosa l. costato-striata. *Hilum* basilare l. laterale. *Rhaphe* depressa l. prominula, brevis l. elongata. *Chalaza* (externa l. strophiolum) prominens l. occulta, hilo opposita l. juxtaposita, l. ab illo remota, l. ei subopposita, inde basilaris, lateralis l. terminalis. *Micropyle* fundi- l. tholispectans l. etiam parietem l. centrum versus directa, prominula l. depressa. *Nucleus* albuminosus, subexalbuminosus l. exalbuminosus (macropodus). *Albumen* farinosum l. carnosum, copiosum l. parcum. *Embryo* axilis, apicalis (abbreviatus) l. transiens (elongatus), periphericus l. subperiphericus, rectus l. hippocrepicus l. curvus, cotyledone attenuata l. dilatata, plumula inclusa, oligophylla l. squamis (vaginulis) copiosis tantum constructa, radicula brevissima. *Germinatio* admotiva l. remotiva.

*Propagatio* spontanea seminibus, gemmis deciduis (tuberculis) l. stolonibus et turionibus amissis.

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[1]) Remusatia.

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# AROIDEAE.

**CHARACTER ESSENTIALIS.** Spadix continuus. Bacca. Semina epidermide arillacea obducta.

## I. Diclines.

***A*. Efilamentatae.** Antherae sessiles l. processubus axeos suffultae, filamentis manifestis destitutae.

***a*. Stenozeugmaticae.** Antherae loculi connectivo validiores.

*α*. **Orthotropooae.** Ovula cum funiculo recta, micropyle hilo opposita.

**Tribus Alleluchieae.** *S.* Spadix partim cum spatha concretus.

**SUBTRIBUS CRYPTOCORYNINAE.** *S.* Spadix spathae fauci semiclausae, vertice accretus. Antherae loculi vertice operculis corniformibus aperientes.

**CRYPTOCORYNE.** Fischer. Ovaria omnia, inter se et cum spadicis axi, in syncarpidium pluriloculare connata. Spadix appendice plus minusve perceptibili, cum spathae plica claudente concretus.

Paludosae, stoloniferae.

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1. **Griffithii** *S. (Synops. I. p. 1. 1856.)* Longepetiolata. Lamina fol. rotundato-ovata subcordata, obtusa. Spatha vix medium petiolum superans, ad medium tubulosa, in limbum lanceolatum, uncinato-cuspidatum, intus papillosum sanguineum producta. Stipes appendicis obsoletae longulus. — Malacca. Griffith. — *v. s. spont. in Herb. Hooker.*

2. **cordata** Griff. *(It. Not. III. p. 138. 1851.)* Longepetiolata. Lamina f. rotundato-ovata, subcordata, obtusula. Spatha petiolum multo superans, ad apicem fere tubulosa, in limbum proportione brevissimum late-ovatum, acuminatum prolongata. Stipes appendicis obsoletae, brevis. — Malacca. Griffith. — *v. s. spontan. in Herb. Hooker.*

3. **Thwaitesii** *S. (Bonpl. 1857. p. 221.)* Petiolus laminae longitudine l. brevior. Lamina fol. elliptica, vix cordata obtusula, margine erosa. Spatha petiolum et triplo superans, tertia parte infima tubulosa, inde breviter-aperta in cuspidem subulatam elongata. Stipes appendicis obsoletae brevissimus. — Ceylona. Thwaites. — *v. s. spontan. in Herb. Hooker.*

4. **Gomezii** *S. (Bonpl. 1857. p. 221.)* Longepetiolata. Lamina fol. ovata l. oblongo-ovata, vix cordata, subobtusa, margine erosula. Spatha petiolo brevior, tertia parte connata, hians et in cuspidem longam producta. Stipes appendicis obsoletae brevis-

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simus. — Silhet. Gomez — *v. s. spontan. in Herb. Hooker.*

5. **Walkeri.** *S. (Bonpl. 1857. p. 221.)* Longissime petiolata. Lamina fol. lanceolata, proportione parva, inferne abrupte-superne subsensim-angustata, subacuta. Spatha petiolo brevior, paulo ultra medium tubulosa, deinde lanceolate-linearis, acuminata et contorta. Stipes appendicis obsoletae brevissimus. — Ceylona. Walker — *v. s. spont. in Herb. Hooker.*
6. **Dalzellii.** *S. (Bonpl. 1857. p. 221.)* Petiolus . . . . . Lamina fol. lanceolata, parva, inferne subangustata, margine eroso-serrulata, apice acutata. Spatha . . . . . — Bombay. Dalzell. — *v. delineationem fol. laminae in Herb. Hooker.*
7. **lancifolia.** *S. (Bonpl. 1857. p. 221.)* Petioli lamina longiores l. breviores. Lamina fol. anguste-lanceolata, oblongo-lanceolata, ovato-lanceolata, raro ovata, inferne plus minusve abrupte-apice acutate- l. acuminate-angustata. Spatha minuta, vix ad medium connata, hians et in cuspidem summo apice retrocurvam producta. Syncarpidium e pistillis plurimis superpositis. Stipes appendicis obsoletae brevissimus. — Ceylona. Thwaites. — *v. s. specim. spont. in Herb. Hooker.*
8. **ciliata.** Fischer. *(Msscr.)* Petioli longi. Lamina fol. oblongo-lanceolata, basi apiceque acutata l. acuminata. Spatha petiolo

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multo longior, ad apicem tubulosa, summo apice tantum expansa in limbum ovato-oblongum, cuspidatum, fimbriis ornatum. Stipes appendicis obsoletae brevissimus. — Coromandelia, etc. Roxburgh. *v. s. in variis Herb.*

9. **consobrina**. *S. (Bonpl. 1857. p. 222.)* Petiolus laminae longitudine. Lamina f. oblongo-lanceolata, utrinque acuminata. Spatha vix petioli longitudine, ad duas tertias partes tubulose-connata, brevi spatio hians, in cuspidem subuliformem elongata. Stipes? appendicis indistinctae longulus. — Mysore et Carnatic. — *v. sicc. spontan. in Herb. Hooker.*

10. **cognata**. *S. (Bonpl. 1857. p. 222.)* Petiolus vix laminae longitudinis. Lamina f. oblongo-lanceolata, utrinque acuminata. Spatha petiolum longitudine multo superans, vix tertia parte tubulose-connata, hians et in subulam longissimam, inferne tortuosam abiens. — Stipes? appendicis indistinctae haud longulus. — Concan. Law — *v. s. spontan. in Herb. Hooker f.*

11. **Koenigii**. *S. (Bonpl. 1859. p. 81.)* Folii lamina longe lanceolato-linearis, basi longe sensimque in petiolum? angustata, apice gradatim acuminata, venis costalibus pluribus, ad apicem laminae usque exsertis, arrecto-procurrentibus, venulis oblique-assurgentibus transversis connexis. Pedunculus tenuis, debilis, pedalis circiter. Spatha

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tripollicaris, a medio leviter procurva, prima tertia parte in tubum diametro trilineari connata, deinde hians et summa tertia parte in cuspidem subulatam protensa, intus plica instructa infra medium tubum descendente. Spadix tubi spathae fere longitudinis, inferne ad 4-tam partem ovariis plurimis in syncarpidium subglobosum connatis onustus, axi nuda instructus quarta parte (spadicis) longiore, spica mascula deinde secutus femineam spicam aequante et appendice terminatus mascula spica breviore, axeos nudi vero longitudinis dimidium metiente, in stipitem brevissimum et clavam interstincta. Ovaria uniovulata, ovulo funiculo longulo affixo, fundifixo. Antherae generis. — Baccae maturitate, secedentes, laevigatae, vertice exsiccatione corrugatae. Semen ellipsoideum sulcatum.— Ceylona. Thwaites. — *v. s. in Herb. Haf. et Hookeri.*

12. **Wightii**. *S.* Petiolus haud distinguendus. Folii lamina perangusta, basin apicemque versus sensim ac longe angustata, ideoque acuminatissima. Spatha folii longitudinis, ad apicem usque tubulosa, exitu in limbum lanceolatum, acuminatissimum producta. Stipes? appendicis obsoletae brevis.— Mysore. — *v. s. Herb. Wightii.*

*Obs. I.* Infima folia subulata.

*Obs. II.* Cr. unilocularis S. in Bonplandia huc pertinet.

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13. **Huegelii.** *S. (Aroideae. p. 8. t. 12. 1855.)* Petiolus vix laminae longitudine. Lamina fol. oblonga, utrinque acuminata. Spatha vix petioli longitudinis, septima parte tubulose connata, reliqua auguste-lanceolata, elongata tortuosa. Stipes l. appendicis pars perceptibilis brevissima, crassa. — *v. sicc. spontan. in Herb. Mus. Vindob.*

14. **spiralis.** Fischer. *(Msscr.)* Petiolus vix distinguendus. Lamina fol. basi angustissime defluens, apice acuminata. Spatha petioli forte longitudinis, ima brevi parte tubulose-connata, primum tortuosa, tandem loriforme-sublanceolatim-angustata, subevoluta, rugis transversis imum versus validioribus aucta. Stipes l. appendicis pars perceptibilis brevissima crassa. — Tranquebaria. Retz — *v. v. cult. et sicc. spontan. in plurim. herbar.*

15. **retrospiralis.** Wight. *(Icon. III. t. 772.)* Petiolus haud distingendus. Lamina fol. angustissima utrinque acuminatissima. Spatha, media folia attingens, ultra medium tubulosa, reliqua parte arcte-tortuosa, acuminatissima. Stipes? appendicis obsoletae brevis. — Concan, Mysore etc. Roxburgh. — *v. s. spontan. in Herb. Hooker.*

16. **Roxburghii.** *S.* Petiolus vix ullus. Lamina f. linearis, acuminata. Spatha folia aequans l. brevior, per breve spatium tubulosa, in subulam ceterum arctissime-tortuosam pro-

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longata. Stipes? appendicis obsoletae brevissimus. — Concan. Bombay. ( — ) — *v. s. spont. in Herb. Hooker.*

*Synon.* Cr. unilocularis. Knth.

*Observ.* Syncarpium est quadriloculare.

**LAGENANDRA.** Dalzell. Ovaria libera, nec connata. Spadix appendice magis minusve perceptili cum spathae plica concretus. — Indica, paludosa.

1. **toxicaria.** Dalzell. *(Hooker. Journ. of Bot IV. p. 289.)* Petiolus laminae circiter longitudine. Lamina fol. oblonga utrinque acuminata. Spatha longe pedunculata, inferne breviter-tubulosa, hians, apicem versus a medio subulato-convoluta. — Concan. Dalzell. — *v. s. spontan. in Herb. Hooker.*

**SUBTRIBUS AMBROSININAE.** *S.* Spadix septi longitudinalis ope cum spatha concretus. Antherae in concamerationе postica, rima continua dehiscentes.

**AMBROSINIA.** Bassi. Antherae lineares, transversae, biseriales. Ovarium solitarium uniloculare, ovulis longe-funiculatis. — Europaea.

1. **Bassii.** Murr. *(L. Syst. Veg. 689. — 1774.)* Pusilla. Petiolus laminae ovalis longitudine. Spatha obliquata, conchiformis in cornu subulatum procurvum elongatum extensa.

**SUBTRIBUS PINELLINAE.** *S.* Spadix feminea parte spathae dorso accretus, septo incompleto transverso a reliqua parte distinctus. Antherae

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persistenter bilocellatis loculis praeditae, vertice rima continua aperientes.

**PINELLIA**. Tenore. Antherae subcubicae, omnes rimis directione axeos aperientes. Ovaria uniovulata, ovulo subsessili, appendix elongata. — China. Japonia.

1. **tuberifera**. Tenore. *(Sem. hort. Neapol. 1830.)* Petioli basi l. et apice tuberculigeri. Lamina fol. trisecta. — China. Japonia. Blume. — *v. s. cult. et sicc. spontan.*
   *Synon.* Atherurus ternatus Blume.
   Hemicarpurus fornicatus Nees.
   Arisaema macrourum Bunge.
2. **tripartita**. *S. (Synops. I. p. 5. 1856.)* Petioli nudi. Lamina fol. breviter-tripartita. — Japonia. Blume —
   *Synon.* Atherurus tripartitus Blume.
3. **pedatisecta**. *S. (Gen. Aroid. 4. 1858.)* Petioli basi et apice tuberculigeri? Lamina fol. pedatisecta. — China. — *v. s. specim. spont. in Herb. Hort. Petrop.*

**Tribus Arisareae.** *S.* Spadix liber. Antherae in processubus axeos stipelliformibus. Spatha fornicata.

**ARISARUM**. Targ. Tozz. Spatha inferne tubulose-connata. Spadix continuo-androgynus. Antherae hippocrepicae, solitariae, cum sinu sursum spectantes. Ovula plurima. Appendix varia.

1. **Veslingii** *S. (Synops. I. p. 4. 1856.)* Petiolus teres, antice dense punctis l. maculis ob-

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longo-linearibus postice remotioribus brevioribus conspurcatus. Lamina fol. solitarii triangulare-sagittata, lobis posticis divergentibus. Spathae lamina acuminata tubo subaequilonga. Appendix tenuissime-clavata, longa. — Aegyptus. Vesling. Kotschy — *v. v. cult. et s. spontan.*

2. **Forbesii.** *S. (Oestr. B. Wchnbl. 1857. pag. 190.)* Petiolus dense punctato-maculatus. Lamina fol. solitarii subcordiforme-sagittata, lobis posticis semiovato-rotundatis, retrorsis. Spathae lamina apice obtusato apiculato-cuspidulata, quam tubus brevior. Appendix tenuissime-clavata, ultra laminam elongata. — Litus Cariae Insulae Perpus. Forbes — *v. s. in Herb. Hooker.*

3. **Libani.** *S.* Petiolus dense punctis oblongulis conspurcatus. Lamina fol. subsolitarii sagittato-ovata, apiculata, lobis posticis obtusis retrorsis. Spathae lamina tubi longitudinis apice rotundato-obtusata, brevissime apiculata. Appendix tenuissime-clavata ultra laminam prolongata. — Libanus. — *v. s. e Libano in Herb. Horti Petropol.*

4. **Sibthorpii.** *S.* Petioli maculis lineari-elongatis, proportione majusculis picti. Lamina fol. plurium ovato-triangularis l. sagittato-triangularis, lobis posticis oblongis l. oblongo-triangularibus, divaricatis. Spathae lamina tubum subaequans, acutata, longius-apiculata. Appendix tenuiter clavata, clava

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longiuscula. — Graecia partim? — *v. v. cult. et s. in variis Herbar.*

*Observatio.* Icon Florae graecae huc pertinet.

5. **vulgare.** Targ. Tozz. *(Ann. Mus. Flor. II. p. 66. 1810.)* Petioli maculis linearibus longis sparsius maculati minusque intense-coloratis. Lamina fol. plurimorum elliptico-sagittata; lobis posticis oblongis saepe incumbentibus. Spathae lamina tubi longitudinis, longius cuspidulate-apiculata. Appendix crassule-clavata, clava subelongata. — Neapolis. — *v. s. et cult.*

*Observ.* Arisari species valde confusae, in posterum exacta observatione facta, forte melius distinguendae.

6. **Tingitanum.** *S.* Petiolus maculis ovatis l. breviter ovalibus dense conspurcatus. Lamina fol. plurimorum triangulari-sagittata, subelongata, lobis posticis extrorsum versis paulo prominentibus. Spathae lamina tubo brevior, acutata. Appendix clava brevi cylindroidea instructa. — Algeria. — *v. v. cult.*

7. **Jacquini.** *S.* Petioli maculis linearibus tenuibus, pallidioribus sparsis maculati. Lamina fol. plurimorum hastato- l. sagittato-triangularis, lobis posticis triangularibus divergentibus. Spathae lamina tubo brevior, obtusata, cuspidato-apiculata. Spadicis clava crassula apice attenuata. — Patria? — *v. v. cult.*

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*Observ.* Species in horto Schoenbrunnensi continue culta, in Horto Schoenbrunnensi Jacq. 2. t. 192. depicta.

8. **Clusii.** *S.* Petioli . . . . . Lamina fol. subsolitarium triangulare-sagittata, subelongata, lobis posticis extrorsum versis, parum prominentibus, triangularibus. Spathae lamina tubum subaequans, obtusata, cuspidato-apiculata. Spadicis spatha brevioris clava incrassata, brevis, fere cubice-capitata. — Lusitania, Hispania. — Clusius. Welwitsch. — *v. s. spontan. in plurimis Herb.*

9. **Balansanum.** *S. (Oest. B. Wchnbl. 1857. p. 190.)* Petioli fere ex toto atropurpurei. Lamina fol. subsolitarium hastato-triangularis, lobis posticis quoque triangularibus divergentibus. Spathae lamina tubum subaequans, rotundato-obtusata, brevissime apiculata. Spadicis laminae longitudinis l. brevioris clava longula utrinque attenuata, obtusula. — Algeria Balansa. — *v. s. spontan.*

10. **subexsertum.** Webb. *(Hist. Canar. Sect. II. p. 293. 1836.)* — Petioli . . . . Lamina folii subsolitarii sagittata, lobis posticis oblongis l. oblongo-triangularibus retrorsis. Spathae lamina tubo fere longior, acutata longiuscule apiculato-cuspidulata. Spadicis clava incrassata ellipsoidea, apice obtuso minus attenuata. — Teneriffa. — Webb. — *v. s. spontan. in plur. Herbar.*

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11. **Azoricum.** *S. (Oestr. B. Wochbl. 1857. p. 190.)* Petioli . . . . Lamina fol. vix solitarii elliptico-sagittata, lobis posticis triangularibus, retrorsis brevibus. Spathae lamina tubo longior, apice obtusato cuspidulato-apiculata. Spadicis lamina brevioris clava ellipsoidea obtusa. Ovaria longe-stylata. — Ins. St. Michaelis Azorum. — Carey. — *v. s. in Herb. Hooker.*

12. **simorrhinum.** Durieu. *(Duchartre. Revue 1. 360. 1845.)* Petioli . . . . . Lamina fol. sagittata, lobis posticis latis subextrorsis, brevioribus, l. hastato-triangularis lobis posticis oblongis extrorsis divergentibus. Spathae lamina tubo fere brevior, obtusa, brevissime-apiculata. Spadicis clava sphaeroideo-capitata. — Algeria. — Durieu. — *v. s. spontan. in plurim. Herbariis.*

13. **proboscideum.** Savi. *(Obser. 6. 1816.)* Petioli . . . . Lamina fol. sagittata, lobis posticis plus minusve extrorsis brevioribusque, l. hastato-triangularibus, lobis posticis lanceolato-oblongis, divergentibus. Spathae lamina in caudam subulatam tortam longissimam prolongata. Spadicis clava fungosa, rugosa crassissima — Apennini montes. — Savi. — *v. s. specim. spontanea.*

**ARISAEMA.** Martius. Spatha inferne convoluta. Spadix plerumque unisexualis, rarius et continuo-androgynus. Antherae, plurimae,

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absque ordine manifesto consociatae. Ovula pauca. Appendix polymorpha.

### Conspectus

sectionum et subsectionum.

**Sectio I. Trisecta.**

a. *Subsect. Himalaiensia.* Pedunculus brevis. Spatha fornicata. Antherae loculi confluentes. Organa sterilia nulla. Appendix deflexa, filiforme terminata.

b. *Subsect. Japonica.* Pedunculus brevis. Spatha galeata. Antherae loculi sejunctim aperientes. Organa sterilia nulla. Appendix e spatha haud procedens, erecta, sursum attenuata.

c. *Borealia Americana.* Pedunculus brevis. Spatha fornicata. Antherae loculi sejunctim aperientes. Organa sterilia nulla. Appendix e spatha non exserta, erecta, sursum incrassata.

d. *Sundaica.* Pedunculus longus. Spatha fornicata. Antherae loculi sejunctim aperientes. Organa sterilia pluscula. Appendix vix exserta, proclinata.

**Sectio II. Pedatisecta.**

* Segmenta omnia, (extima interdum excepta), ansata.

a. *Sundaica.* Pedunculus longus. Appendix e fauce propendens, subulato-attenuata.

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** Segmenta omnia, (medium interdum exceptum), sessilia.

§. Appendix sigmoidea, ultra laminam longe- exserta.

a. *Indica.* Pedunculus folia superans. Appendix subulata, porrecta.

b. *Japonica.* Pedunculus brevis. Appendix apice filiforme dependens.

c. *Boreali-Americana.* Pedunculus brevis. Appendix subulata. arrecta.

§§. Appendix recta, clavata l. subclavata, faucem parum excedens.

a. *Indo-Arabica.* Pedunculus longus. Appendix stipite carens ex axi sursum incrassata.

b. *Japonica.* Pedunculus longus. Appendix basi subtruncata sursum incrassata.

c. *Boreali-Americana.* Pedunculus longus. basi abrupte-incrassata, sub-cylindroidea.

## Sectio III. Radiatisecta.

* Segmenta omnia sessilia.

§. Appendix elongata, apice attenuata.

a. *Indica.*

§§. Appendix abbreviata, apice in crassata.

a. *Indica.* Unifolia. Pedunculus foliis brevior.

b. *Abyssinica.* Bifolia. Pedunculus folia superans.

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**Sectio IV. Peltatisecta.**

* Segmenta omnia sessilia.
*Indica, Luzonense, Sinense.*

§ Appendix stipitata, basi truncata, sursum incrassata.

§§ Appendix haud incrassata tenuis.

§§§ Appendix cylindroidea ex axi inferne subsensim incrassata.

**Sectio I. Trisecta.**

a. *Himalaiensia.*

1. **speciosum.** Martius. *(Flora 1831. p. 458-59.)* Segmenta folii solitarii, petiolo variegato, omnia manifeste longule-ansata, intermedium reliquis longius. Spatha coeruleo-violacea, albo vittata apice in cuspidem productam elongata (maris multo longiorem). Appendix substipitata ex ima parte subrepentino-incrassata sensim in filum longissimum varie circumflexum extenuata. — Nepalia. Wallich. — Sikkim. Hook. f. — *v. s. specim. spontan. in plur. Herb. et delineat. Hookerian. l. n. exhibitam.*
2. **Stracheyanum.** *S. (Oester. B. Wochenblatt 1857. p. 333.)* Segmenta folior. 2. petiolo viridi? vix ansata, intermedium ceteris fere brevius. Spatha vittata? apice in cuspidem productam elongata. Appendix haud stipitata, subrepentino-incrassata, sensim in filum longissimum, varie flexum extenuata. — Himalaya, Khati (ex Winterbottom.) — *v. s. specim. spontan. in Herb. Hooker.*

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3. **intermedium** Blume. *(Rumph. I. p. 102. 1835.)* . . . . . Segmenta sessilia, intermedium ovato-ellipticum, lateralia semicordato-ovata, acuminata, Spatha subfornicata. Spadix elongato-subuliformis, quam spatha multo longior. (Affine Ar. specioso.) — Blume (Rumphia p. 102.) *v. delin. specim. Blum. in Herb. Paris.*

   *Observ.* Affine certe, A. doloso, tamen segmento intermedio inferne late-obtusato differre videtur.

4. **dolosum** *S. (Bonpl. 1859. p. 26.)* Segmenta folii solitarii petiolo viridi vix ansata, intermedium lateralibus subaequans. Spatha vittata? apice in cuspidem longam angustata. Appendix basi stipitata, stipite longulo, deinde ex subito incrassato imo, sensim sensimque in filum spatha duplo longius prolongata. — Simla. Hooker. f. — *v. s. specim. spontan. in Herb. Hooker et Thoms.*

5. **propinquum** *S. (Oester. B. Wochenb. 1857. p. 334.)* Segmenta folior. 2. petiolo variegato vix ansata, intermedium reliquis subaequans. Spatha vittata, (bruneo-purpurascens), apice in cuspidem lanceolato-elongatam angustata. Appendix basi substipitata, abrupte fere truncato-incrassata, abrupte attenuata et denique reincrassata demumque in subulam spatha vix duplo longiorem desinens. — Sikkim. Hooker, f. —

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*v. s. specim. spontan. et delineationem natal. solo exstructam.*

6. **costatum** Martius. *(Flora. 1831. p. 458—59.)* Segmenta folii solitarii petiolo viridi, haud ansata, intermedium reliquis longius. Spatha vittata (atropurpurea), apice longe-angusteque cuspidata. Appendix basi substipitata, abrupte fere truncato-incrassata, sensim attenuata sensimque leviter reincrassata, in flagellum filiforme spatha triplo fere longius producta. — Nepalia. — *v. delin. Wallichii.*

*Observ.* Venae dicuntur »numerosae, parallelae, approximatissimae« *Wallich.*

7. **verrucosum** *S. (Oester. B. Wochenbl. 1857. p. 341.)* Segmenta fol. solitarii petiolo viridi sessilia, intermedium lateralibus longitudine superatum l. iis subaequale, (omnia dorso purpurantia, petiolo dense-verrucoso imposita) Spatha inferne striata, superne reticulata (purpurea), apice subtruncato cuspide lineari haud longa aucta. Appendix substipitata, abrupte et truncato incrassata abrupteque attenuata et sensim reincrassata sensimque in flagellum longissimum prolongata. — Sikkim. Hooker, f. — *v. s. spont. et delineationem Hookeri, f.*

8. **Hookerianum** *S. (Oest. B. Wochenbl. 1857. p. 334.)* Segmenta fol. 2 petiolo viridi sessilia, intermedium reliquis brevius. Spatha inferne vittata, superne reticulata, violacea; lamina perampla, subito incurva, faucem

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lato fornice, lateraliter utrinque dilatatione pagina interiore sibi laxe accumbente fere lobatim aucto, obtegens. Appendix substipitata, abrupte ex truncato incrassata abrupteque attenuata et reincrassata, subsensim in flagellum filiforme praelongum varieque flexum l. tortum volutumque producta. — Sikkim. Hooker, f. — *v. specim. spontanea sicut et iconem loco natali a Celeberr. I. D. Hookero exhibitam in collectione Hooker, f. et Thoms.*

9. **utile** J. D. Hooker. *(in schedula.)* Segmenta folii solitarii petiolo viridi sessilia, intermedium ceteris brevius, (omnia juventute venis rubentibus ornata). Spatha inferne striata, superne reticulata, brunneo-purpurea, lamina apice rotundato-truncata abrupte breviter cuspidulata. Appendix clavato-stipitata, abrupte intumescens in tumescentiam brevissimam, subrepentino deinde attenuata et ex conoideo sensim sensimque terminata, spatha vix duplo longior. — Sikkim. Hooker, f. — *v. specim. sicca et iconem.*

*Observ.* Rhizomata eduntur.

10. **eminens** *S. (Oestr. B. Wochenbl. 1857. p. 357.)* Segmenta folii solitarii petiolo variegato longe-ansata, intermedium reliquis oblongis . . . . . Spatha inferne striata, medio vittata, apice reticulata, purpurea, alte-aperta et sensim in acumen valde elongatum producta. Appendix haud stipitata

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abrupte incrassata, fusiformis subrepentino in flagellum- subaequilongum (fem.) l. duplo longius (masc.) terminata. — Sikkim. — Hooker, f. — *v. specim. sicc. et iconem plantae vivae, a Celeb. Hookero, f. mecum communicatam.*

11. **mirabile.** *S.* (*Oestr. B. Wochbl. 1857. p. 366*) Segmenta folii solitarii ansata, intermedium brevius- ansatum, petiolo ex purpureo variegato imposita. Spatha inferne striata, medio vittata, superne reticulata purpurea, lamina oblongo lanceolata praelonge- acuminata . . Spadix supra organa sexualia leviter- ac sensim incrassatus, in curvatus repentino fungose- incrassatus, per breve spatium crassus, et deinde subito in filum extenuatus. — Sikkim. — Hooker, f. — *v. s. et in icone benevole mecum communicata.*

b. *Japonica.*

12. **ringens.** *S.* (*Melet. I. p. 17. 1832.*) Segmenta folior. binorum sessilia, intermedium latius, petiolo, variegato insidentia, (subulato-acuminata). Spatha striata, extus virens, intus purpurans, ad faucem et in apice laminae galeato-fornicatae atro-rubens; faux dilatatione in galeam assurgente, replicata, latiuscula fere lobatim ornata; galea cucullata in lobum ovatum verticaliter-decurvum apiculo retro curvo assurgente auctum desinens. Spadix vix galeae tholum attingens Appendix cylindrice- stipitata, abrupte- in-

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crassata, sub- conice attenuata, obtusa. — Japonia. — *v. s. specim. spontan. et culta.* *Synon.* Arisaema Sieboldii. de Vriese (ex C. Kch.)

13. **praecox**. de Vriese. (*ex C. Kch. Berl. Grt. Ztng. 1857. p. 85*) Bifolium. Petioli pallide-virentes. Segmenta sessilia l. vix ansata, intermedium longius et latius (omnia subulato-cuspidata). Spatha extus bruneo- et virescenti- griseo-, intus bruneo- et albo-striata, galeato-fornicata; faux anguste-dilatata; galea cucullata, in lobum ovatum verticaliter descendentem, cuspidulo subulato reassurgente auctum producta. Spadix e fauce paulo excedens. Appendix subcylindrice stipitata, abrupte- incrassata; repentino attenuata, per brevissimum spatium subcylindrica, deinde intumescens et sensim conice- attenuata. — Archipelagi Gotto insulae in vicinio Japoniae.— Weyrich. — *v. s. specim. spontan. in Herb. Horti Petrop. a Weyrichio lecta.*

c. *Boreali-Americana.*

14. **atrorubens**. Blume. (*Rumph. I. p. 97. 1835*) Bifolium. Petioli. (sicut et vaginae) pallide variegati. Segmenta sessilia, intermedium reliquis paulo latius et longius, (omnibus acuminatis). Spatha extus virens, striato-vittata, intus fundo vittis pallide-virentibus interstitiisque atrorubentibus picta, in fauce aperta lamina vix replicata pallide- virens, in laminae procurvae acuminatae supe-

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riore parte ex toto atro-rubens, vittis virentibus. Spadix faucem paulo excedens. Appendix stipitata, abrupte incrassata, apicem versus sensim leviterque diametro accrescens. — Amer. boreal.

*Synon.* Aris. hastatum Blume, juvencula! Aris. brasilian. Blume. (nullum Arisaema Brasiliae incola!).

d. *Sundaica.*

15. **laminatum.** Blume. (*Rumph. I. p. 99. t. 27. 37, E. 1835.*) Uni- l. et bifolium. Petioli virentes, vaginis variegatis. Segmenta ovata l. elliptica, basi plus minusve obtusata, l. acutata apice cuspidata apiculata, lateralia interdum subsessilia, medium plus minusve elongato-ansatum. Spathae tubus extus variegatus, faux aperta, limbo subercto, lamina erectiuscula, ovato-lanceolata, acuminata, albido-virens, lineolata, ad faucem fascia transversa atropurpurea notata. Spadix ad mediam laminam vix productus, subulatus, femineus supra ovaria organis neutris subulatis arrectis longulis obsitus, masculus organis sterilibus orbatus. — Java. — Blume. — *v. s. in Herb. Hooker.*

16. **Roxburghii.** Knth. (*En. III. p. 18. 1841.*) Bifolium. Petioli variegati. Segmenta lanceolata, lateralia brevissime-, intermedium longius- vix longe-ansatum, omnia longe-acuminata. Spatha in tubo variegata, reliqua parte flavens, fauce aperta, haud margine recurvata, acuminata. Spadix ad fornicem

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usque productus. Appendix haud stipitata supra organa sterilia brevia sensim attenuata, subulata. —Pulo-Penang.—Roxburgh. — *v. s. specim. in Herb. Hooker.*

**Sectio II. Pedatisecta.**

* Segmenta omnia, (extima interdum excepta), ansata.

a. *Sundaica.*

17. **filiforme.** Blume. (*Rumph. I. p. 102. 1835.*) Bifolium. Petioli variegati. Segmenta elliptica et elliptico-lanceolata, longe-acuminata, interiora basi cuneata, extima latere exteriore obtusata, intermedium praelongeansatum. Spathae tubus ex viridi et purpureo tinctus, subcylindroideus, faux limbo latiusculo subhorizontaliter procurvo auctus, lamina subito fornicato- procurva, plana ovato-lanceolata, longe acuminata, atropurpurea. Spadix unisexualis l. androgynus organis neutris supra antheras subulatis, curvulis, brevibus auctus, conoideus sensim sensimque magis attenuatus, sub lamina procurva procurvus et appendice indistincta dependente tubo longiore terminatus. — Java. — Blume. — *v. v. cult. et sicc.*

18. **decipiens.** *S.* (*Oestr. B. Wchnbl. 1857. p. 373.*) Bifolium. Petioli vagina variegata. Segmenta elliptica et elliptico-lanceolata, longe-acuminata, omnia basi plus minusve cuneata, intermedium praelongo- ansatum.

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Spathae tubus cylindroideus, variegatus, faux limbo angusto procurvo aucta, lamina oblongo-lanceolata in caudam longissimam terminata, dorso uti videtur striata ad margines maculata. Spadix (masc.) . . . appendice breviter- stipitata, repentino subtruncate-incrassata, deinde sensim attenuata. . . . . — *v. s. specim. in Herb. Hooker.*

19. **commutatum**. *S.* (*Bonpl. 1859. p. 26.*) . . . . . Petiolus in ansas usque variegatus. Segmenta omnia longe-, intermedium longissime-ansatum, interiora late-elliptica basi subobtusa, apice longe- angusteque cuspidata, exteriora oblonga, basin versus magis cuneata, . . . . . Spatha . . . . . Spadix . . . . . — *v. fol. sicc. in Herb. Hook. f. et Thoms.*

** Segmenta omnia, (medium interdum exceptum), sessilia.

§. Appendix sigmoidea, ultra laminam longe-exserta.

a. *Indica.* Pedunculus folia superans. Appendix subulata, porrecta.

20. **neglectum**, *S.* (*Bonpl. 1859. p. 26.*) Bifolium. Petioli vagina variegata . . . Segmenta subquina, contigua, lanceolata, utrinque acuminata, margine integerrima. Spathae tubus cylindroideus . . . . faux aperta; limbo suberecto, lamina lanceolato- acuminata, procurva, tubo longior, . . . . Spadix e fauce decurvus, arcuatim resurrectus, organis neutris carens in appendicem ex ima

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basi sensim sensimque attenuatam ultra spatham longe asscendenter- retrocurvam prolongatus — . . . . — Hügel. — *v. s. specim. in Herb. Musei Vindob.*

21. **helleborifolium.** *S.* (*Synops. p. 29. 1856.*) Uni- l. bifolium. Petioli variegati. Segmenta lanceolata l. ovato-lanceolata, utrinque acutata, apice acuminata, margine integerrima, excepto intermedio subansato sessilia. Spathae tubus cylindroideus, virens, faux aperta, limbo marginali vix recurvulo, lamina lanceolata utrinque viridis, pallidius striolato- vittata, suberecto-procurva, tuboque longior. Spadix e fauce procurvus, ultra laminam longe productus, organis neutris carens. Appendix longe, extra faucem usque, stipitata, leviter demum incrassata et arrecta, arcuatim retrocurva l. et erecto-sursum-porrecta. — Simla, Concan, Sikkim. — Hügel, Hooker, f. — *v. s. in Herb. Mus. Vindob. et Hookeri et Thomsonii.*

22. **tortuosum.** *S.* (*Melet. I. p. 17. 1832.*) Bifolium. Petioli haud variegati. Segmenta lanceolata l. oblongo-elliptica, utrinque acutata l. acuminata, margine integerrima, apice cuspidulata, omnia sessilia. Spathae tubus cylindroideus, extus viridis, intus pallide-purpurascens, faux aperta, limbo suberecto, lamina ovata, l. oblongo-ovata, acuta, costato-striata, viridis. Spadix e fauce procurvus, descendens infra faucem, deinde arcuatim assurgens et retro-spectans laminam

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multo superans, violaceus. Organa neutra nulla. Appendix e basi leviter incrassata in subulam gradatim attenuatam terminans. — Carnatic. Wight. — *v. s. specim. plura in Herb. Wightii et Hooker.*

23. **Steudelii** *S. (Bonpl. 1859. p. 26.)* Bifolium. Petioli haud variegati. Segmenta oblanceolata, basi longe cuneatim-angustata, apice brevius-acuminata, integerrima. Spathae tubus ovoideo-oblongus, faux aperta absque limbo recurvulato, lamina elongate oblongo-lanceolata, acuminata, suberecta, tubo triplo fere longior, . . . . . Spadix e fauce procurvus, . . . . . supra antheras (in specimine androgyno) organis neutris nonnullis, subulatis, assurgentibus praeditus. Appendix . . . . . Montes Nilaghirienses. —

*Synon.* Aris. tortuosum Steud., (exsicc.).

24. **curvatum** Kuth. *(En. III. p. 20. 1841.)* Bifolium. Petioli vaginae variegatae. Segmenta lineari- l. peranguste-lanceolata, utrinque acuminata, (apice longius), integerrima, 7—13, omnia sessilia, Spathae tubus cylindroideus, faux aperta, limbo erecto, lamina oblongo-lanceolata, acuminata, arrecta l. procurva, tubo duplo triplo-ve longior, . . . . . Spadix e fauce procurvus et arcuatim decurvus, . . . . . subulatus. Appendix sensim attenuata, arcuatim sursum curva, in subulam assurgentem, erectam, terminata. — Kamaon, . .

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. . . . . — *v. s. specim. spontan. in variis Herbariis.*

b. *Japonica.* Pedunculus brevis, Appendix apice filiforme dependens.

25. **Thunbergii** Blume. *(Rumph. I. p. 105. 1835.)* Folia subsolitaria. Petiolus viridis obiter-striolatus. Segmenta elliptica, l. lanceolata, utrinque angustata cuspide setiformi terminata, integerrima, omnia sessilia. Spathae tubus infundibuliformis, subvittatus, fuscus, faux aperta, limbo angusto recurvato, atro-brunneo, lamina oblongo-ovata, fornicata, acuminatissima, atro-brunnea, procurva, tubo longior. Spadix e fauce procurvus et arcuatim decurvus, deinde retrocurvus, arrectus. Appendix ex axi sensim sensimque in filum dependens usque attenuata. — Japonia. Blume. — *v. s. specim. in Herb. Thunbergii.*

c. *Boreali-Americana.* Pedunculus brevis. Appendix subulata, arrecta.

26. **macrospathum** Benth. *(in pl. Hartw. p. 52. 1839.)* Folia solitaria. Petiolus variegatus. Segmenta obovata l. lanceolata basi cuneata, margine integerrima, apice cuspidato-acuminata, intermedium ansatum, reliqua sessilia. Spathae tubus infundibuliformis obsoletius-vittatus viridulus, faux aperta, limbo recurvo in laminam excurrente, lamina ovata l. oblongo-ovata, apice procurva, virens, vittis, maculis purpurascentibus dense approximatis, interrupte coloratis, ornata.

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Spadix e fauce procurvus, per laminae margines apicales amplexantes sursum transgrediens. Appendix ex axi denudato longo in fauce sensim intumescens, sub fornice subrepentino attenuata et subuliforme terminata. — Mexico. Bentham — *v. v. cult. et s. spontan. in var. Herbariis.*

27. **Dracontium** *S. (Melet. I. p. 17. 1832.)* Folia solitaria. Petiolus in vagina variegatus. Segmenta oblonga l. lanceolata, basi cuneatim angustata, margine integerrima, apice acuminata, intermedium breviter-ansatum, reliqua sessilia, extima basi confluentia. Spathae tubus subcylindroideus, virens, faux limbo recurvulo in laminam procurrente, lamina ovata, l. oblongo-ovata, apice procurva (initio recta), plus minusve acuminata. Spadix e fauce tandem procurvus, assurgens. Appendix ex axi sensim conico-subulatim attenuata, atropurpurea. Organa neutra subulata perpauca. — Amer. bor. — *v. v. cult. et sicc. spontan. in multis Herbariis.*

§§. Appendix recta, clavata l. subclavata, faucem parum excedens.

a. *Indo-Arabica.* Pedunculus longus. Appendix stipite carens, ex axi sursum incrassata.

28. **abbreviatum** *S. (Oester. B. Wochenbl. 1857. p. 382.)* Folia duo. Petiolus . . . . . Segmenta ovata, oblonga et lanceolata, basi cuneatim angustata, margine integerrima, apice acuminata, omnia sessilia. Spatha mi-

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nima (pallicaris l. sesquipollicaris), tubus ovoideus, virens? faux constrictiuscula, lamina vix tubo longior, erecta, parum l. vix procurva, cuspidato-acuminata. Spadix tubum paululo superans, plerumque androgynus. Appendix quam spica androgyna brevior, erecta, ex axi sensim incrassata, apice rotundata, sesqui- l. trilinearis. — Simla. Hooker, f. — *v. s. specimina in Herb. Hook. f. et Thoms.*

29. **flavum** *S.* Folia 1—2. Petiolus spathiger ad medium vaginatus. Segmenta obovato-lanceolata, cuspidato-acuminata, integerrima, intermedium subansatum. Spatha minuta vix bipollicaris, tubus ovoideus . . . . . lamina tubo longior, erecta, acuminata. Spadix tubum parum superans, androgynus, Appendix spica mascula duplo brevior, erecta, ex axi subincrassate prolata, obtusissima, subbilinearis. — Arabia. Forsk.

*Synon.* Arum flavum Forsk.

Dochafa flava Schott. Gen.

*Observ.* Specimen hujus speciei in Herb. Mus. Londin. asservatum est.

b. *Japonica.* Pedunculus longus. Appendix basi subtruncata, sursum incrassata.

30. **Japonicum** Blume. *(Rumph. I. p. 106. 1835.)* Folia duo. Petioli rubro-variegati vaginis. Segmenta oblonga, l. lanceolata, basi cuneatim angustata, margine integerrima, apice cuspidato-acuminata, intermedium ansa pollicari praeditum (ex Blume) l.

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sessile, reliqua sessilia. Spathae tubus infundibuliformis, faux aperta limbo recurvulo, lamina oblonga, acuminata, fornicato-incurva, virens, apice atro-virens, subinde sordide rubens (Blume). Spadix e tubo parum exsertus, sexualis, Appendix basi stipitata, ex imo abrupte truncateque incrassato in clavam apice rotundatam terminata. — Japonia. Thunberg. — *v. s. specim. Thunbergianum.*

31. **serratum.** *S. (Melet. I. p. 17. 1832.)* Folia duo. Petioli . . . . . Segmenta lanceolata, basi cuneata, margine manifeste inaequaliter-serrata, serraturis aperte-patentibus, linearibus, acutis, apice cuspidato-acuminata, intermedium ansatum, sequentia remota, reliqua approximata, lateralia omnia sessilia. Spathae tubus infundibuliformis, faux aperta, limbo recurvato, lamina oblonga, longeacuminata, vix tubo longior, viridula purpurascenti mixta. Spadix e tubo parum prominulus, sexualis. Appendix basi stipitata, ex imo abrupte truncateque incrassata, in clavam apice rotundatam desinens. — Japonia. Thunberg. — *v. sicc. specim. Thunbergianum.*

c. *Borealí-Americana.* Pedunculus longus. Appendix basi abrupte incrassata, subcylindroidea.

32. **quinatum** *S. (Synops. I. p. 28. 1856.)* Folia duo. Petioli . . . . . Segmenta elliptica l. lanceolata, basi longe-cuneata, margine

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eroso-serrulata, apice acuminata, intermedium subansatum, reliqua sessilia, (folii inferioris quina, superioris subterna). Spathae tubus subinfundibuliformis, faux aperta, lamina oblonga l. lanceolato-oblonga, cuspidato-acuminata, vix tubum superans. Spadix e tubo parum exsertus, sexualis. Appendix basi stipitata, ex imo abrupte incrassata, sensim leviterque attenuata, obtusata. Amer. borealis, Georgia. Nuttal. — *v. s. in Herb. Hooker.*

**Sectio III. Radiatisecta.**

* Segmenta omnia sessilia.

§. Appendix elongata, apice attenuata.

a. *Indo-Arabica.*

33. **Bottae** *S.* Folium solitarium. Petiolus . . . . . Segmenta tria media ovata, extima duo lanceolata, omnia basi cuneata, margine integerrima, apice cuspidato-acuminata. Spatha oblongo-lanceolata, l. lanceolata, haud acuminata, potius acutata, lamina tubo duplo et ultra longiore. Spadix sexualis. Appendix e stipite subsensim incrassata, tenuiter conoidea, apicem versus sensim attenuata. — Arabia, Yemen. Botta. — *v. delineat. speciminis in Herb. Mus. Paris. asserv.*

34. **exile** *S. (Bonpl. 1859. p. 26.)* Folium solitarium. Petiolus virens? Segmenta anguste-lanceolata, basi longissime-cuneata, margine serrulata, apice longe-cuspidato-acuminata.

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omnia subsessilia l. subansata, quina l. undena. Spatha angusta, longissime-acuminata, lamina tubo paulo? longiore. Spadix sexualis, Appendix ex axi repentino-incrassata, sensim ad apicem attenuata, obtusula. — Nepal. (Wall. Cat. No. 8918). — *v. s. specim. spontan.*

35. **Jacquemontii** Blume. *(Rumph. I. p. 95. 1835.)* Folia 2. Petioli variegati. Segmenta utplurimum quinque, oblonga, oblongo-lanceolata l. lanceolata, sessilia, l. medium subansatum, basi cuneata, margine integerrima, apice cuspidato-acuminata. Spathae tubus subinfundibuliformis, faux aperta limbo subrecurvo, lamina oblonga- l. oblongo-lanceolata, subulato-longe-acuminata, subula interdum reliqua lamina longiore, vittata, tubo longior. Spadix organis neutris carens, sexualis l. androgynus, fornicem haud attingens. Appendix stipitata, ex stipite repentino incrassata, apicem versus sensim attenuata, obtusula. Simla. — *v. s. spec. spontan. in Herb. Hooker.*

36. **Wightii** *S. (Bonpl. 1859. p. 26.)* Folia duo, sed raro, plerumque solitaria. Petiolus viridis . . . . . Segmenta quina, elliptica, lanceolato-elliptica l. lanceolata, l. omnia sessilia l. medium subansatum, basi plus minusve repentino-cuneata, margine integerrima, apice cuspidato-acuminata. Spathae tubus magis cylindroideus, faux constrictiuscula limbo subrevoluto, lamina oblongo-

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lanceolata, subulato-longe-acuminata, subvittata, tubo longior. Spadix sexualis organis neutris carens l. androgynus, organis neutris paucis subulatis praeditus, fornicem attingens. Appendix vix l. potius haud stipitata, ex axi tenuiori repentino incrassata et apicem versus sensim attenuata obtusula, — Carnatic, Malabaria. Wight. — *v. s. specim. in Herb. Wight.*

37. **Murrayi** Hook. *(Bot. Mag. t. 4388. 1854.)* Folia subsolitaria. Petiolus viridis, saepe rubens. Segmenta 7—9, oblongo-obovata l. obovato-oblonga, basi cuneata, margine integerrima, apice abruptius cuspidato-acuminata, omnia sessilia. Spathae tubus tumide-cylindroideus, viridis, faux aperta, fascia rubra (antica saturate-rubra, postica pallide-rubra) picta, limbo albo horizontaliter-extrorsum curvo, lamina ovata l. oblongo-ovata, cuspidato-acuminata, arcuatim procurva, alba. Spadix sexualis l. utplurimum androgynus, interdum organis neutris nonnullis auctus, ex axi continue in appendicem sensim attenuatam procurvam desinens. — Bombay Hooker — *v. s. specim. spont. in Herb. Hooker.*

§§. Appendix abbreviata, apice incrassata.

a. *Indica.* Unifolia. Pedunculus foliis brevior.

38. **Huegelii** *S. (Synops. I. p. 27. 1856.)* Folia solitaria. Petiolus variegatus. Segmenta quina ovato-lanceolata, basi subrepentino-cuneata,

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margine serrata, apice acuminata, omnia sessilia. Spathae tubus infundibiliformis, faux aperta, subrecurvo limbo, lamina ovata, cuspidato-acuminata, vittata. Spadix sexualis, parum e fauce emergens ex axi apice nudo subrepentino incrassatus, in appendicem sursum sensim crassiorem clavaeformem, apice rotundatam extensus. — India or. Huegel. — *v. s. specim. spontan. in Herb. Mus. Vindob.*

39. **alienatum** *S. (Bonpl. 1859. p. 26.)* Folium solitarium. Petiolus variegatus. Segmenta 7-9, ovato-lanceolata, l. lanceolata basi sensim cuneata, margine integerrima, apice cuspidato-acuminata, omnia sessilia. Spathae tubus subcylindricus, faux aperta vix ac ne vix limbo recurvula, lamina ovato-lanceolata, longissime subulatim acuminata, vittata, tubo multo longior. Spadix sexualis, (masculus tantum visus), vix l. parum e fauce emergens, ex axi sensim incrassatus in appendicem sursum clavato-incrassatam apice rotundatam, organis sterilibus paucissimis subulatis instructus. — Gurhwal, Bootan. Hooker, f. — *v. s. in Herb. Hookerii, f. et Thoms.*

40. **fraternum**. *S. (Bonpl. 1859. 26.)* Folium subsolitarium. Petiolus vagina variegatus. Segmenta 5 — 9, lanceolata l. anguste-lanceolata, basi sensim cuneata, margine integerrima, repando undulatula, apice longe-acuminata, omnia sessilia. Spathae tubus-

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subinfundibuliformis, faux aperta, limbo recurvulo, l. latiuscule recurvato, in laminam ovato lanceolatam l. oblongo-ovatam, acuminatam extensa . . . . Spadix sexualis (femineus tantum visus), parum e fauce emergens, ex axi organis neutris subulatis paucis onusto, subrepentino incrassatus in appendicem cylindrico-clavatam, apice rotundatam. — Khasia. — Griffith. — *v. s. in Herb. Hooker.*

41. **papillosum.** Steudel. *(in schedula).* Unifolium. Petiolus variegatus, saepe obsolete maculatus. Segmenta 7—9, lanceolata (maris), late- elliptica l. oblongo-lanceolata (feminae), basi longe-cuneata, margine crispulo integerrima, apice longiuscule-acuminata, omnia sessilia. Spathae tubus infundibuliformis, faux aperta limbo recurvulo, lamina oblonga, acuminata in cuspidem subulatam terminata, ut tubus vittata. Spadix sexualis, parum e fauce emergens, masculus ex axi tenui nudo repentino incrassatus, femineus ex axi organis neutris obsesso, subrepentino-incrassatus, ambo in clavam plus minusve incrassatam apice rotundatam terminantes. — Montes Nilaghirenses. — Steudel. — *v. specim. authentica.*

b. *Abyssinica.* Bifolia. Pedunculus folia superans.

42. **enneaphyllum.** Hochst *(in Richard Tent. Fl. Abyss. II. p. 352. 1851).* Bifolium. Petiolus

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immaculatus. Segmenta folii infimi 7—9, folii supremi 5—6, elliptico-lanceolata l. lanceolata, omnia sessilia, basi repentius cuneata, margine breviter-eroso-serrulata, serraturis horizontalibus, apice acuminata. Spathae tubus brevis, subcampanulatus, faux aperta limbo recurvato, lamina ovata sensim acuminata, tubo duplo et ultra longior. Spadix sexualis, faucem paulo excedens, (masculus tantum visus), ex axi apice attenuato in appendicem brevem rectam sursum leviter incrassatam reliqua spadicis parte breviorem prolongatus. — Abyssinia. — Schimper. — *v. specim. sicc. spontan.*

43. **Schimperianum**, *S. (Bonpl. 1859. p. 27.)* Bifolium. Petioli variegati. Segmenta folii infimi 9—10, supremi 7—8, elongato-lanceolata, omnia sessilia, basi longe-cuneata, margine argute-serrata, serraturis longulis, omnibus sursum vergentibus fere erecto-patentibus, apice longe-acuminata. Spathae tubus oblongus, faux aperta limbo vix recurvato, lamina oblongo-lanceolata l. oblonga in cuspidem lineari- subulatam longam producta, tubo duplo et ultra longior. Spadix sexualis faucem parum excedens; (masculus visus), ex axi apice attenuato sensim incrassatus in appendicem reliqua spadicis parte longiorem apice rotundatam. — Abyssinia. — Schimper. — *v. s.*

*Observ.* Sub A. eneaphyllo divulgatum.

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**Sectio III. Peltatisecta.**

* Segmenta omnia sessilia.

§. Appendix stipitata, basi truncata, sursum incrassata.

44. **nepenthoides.** Martius. (*Flora. 1831. p. 458-59.*) Bifolium. Petioli variegati. Segmenta quina sessilia, (extima interdum latere exteriore inferne dilatata, subsemicordata), oblongo-lanceolata, basi cuneata, margine integerrima, apice acuminata. Spathae tubus infundibuliformis vittatus, faux aperta, limbo lato patentissimo, dorsum versus replicato, in laminam transgrediente, lamina oblongo-ovata, apice acuminata, vittata, fuscescens, tubi quasi longitudine. Spadix e fauce parum prominens, sexualis. Appendix stipitata, abrupte incrassata, imo truncato, deinde leviter attenuata et apicem versus iterum incrassata, vertice rotundata. — Nepalia. — Wallich. — *v. s. in Herb. Hooker.*

45. **cornutum.** *S.* (*Bonpl. 1859 p. 27.*) Unifolium. Petiolus immaculatus. Segmenta quina sessilia, oblongo-lanceolata, basi cuneata, margine integerrima apice longe-acuminata. Spathae tubus infundibuliformis, viridis, albo-vittatus, faux aperta, limbo angusto horizontaliter procurvo, lamina fere abrupte procurva, fauci fornicatim approximata, extus viridis, intus vittata, repenti-

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no in cuspidem corniformem, erectam, a medio arcuatim procurvam, reliqua spatha duplo longiorem elongata. Spadix e fauce vix prominens, sexualis. Appendix stipitata, abrupte truncato-incrassata, deinde subrepentino attenuata et cylindrice tenniterque et obtusate terminata, saepeque praecipue femineae apice procurva. — Sikkim. — Hooker, f. — *vidi iconem a Celeb. J. D. Hooker loco natali exhibitam.*

46. **echinatum**. *S. (Melet. 1. p. 17, 1832.)* Unifolium. Petiolus variegatus. Segmenta 7—9, sessilia, elongato-lanceolata, basi cuneata, margine integerrima, apice elongato-acuminata. Spathae tubus infundibuliformis, extus viridis intus purpureo-costato-striatus, faux aperta, limbo revoluto, lamina ovato-lanceolata, mox procurva et in ligulam subulatam longissimam dependentem prolongata. Spadix vix e fauce prominens, sexualis. Appendix stipitata, abrupte subtruncate incrassata, deinde sensim sensimque paululo attenuata, conice-cylindroidea, vertice subtruncato-rotundato, dense muriculato-echinulata. — Sikkim. — Hooker, f. — *v. specimina Wallichii et alia e loco natali.*

47. **ochraceum** *S. (Bonpl. 1859. p. 27.)* Folium . . . Petiolus . . . . Segmenta (verticillata ex indicatione Hookeriana) . . . . . Pedunculus ex rubro, flavo et fusco interrupte et irregulariter-striatus. Spathae tubus oblongus, apicem versus constrictiusculus,

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extus ex rubro flavo et fusco striolatus, faux aperta, vix limbo recurvata, lamina ovali-elliptica, breviter-cuspidulata, dorso intus ex flavo et fusco hinc inde rubedine suffusa, longitudinaliter vittata, margines versus lineis (vasorum fasciculos indicantes) rubris picta. Spadix e fauce valde prominens, sexualis. Appendix breviter-stipitata, abrupte truncato- incrassata, repentino attenuata et apicem versus reincrassata obtusa, ex toto extra faucem porrecta et procurva, flavo-fusca. — Sikkim. — Hooker, f. — *v. iconem a Celeb. I. D. Hooker communicatam.*

§§. Appendix haud incrassata, tenuis.

48. **concinnum**. *S.* (*Bonpl. 1859. p. 27.*) Unifolium. Petioli minute et subobsolete-variegati. Segmenta 7—9, obverse-oblonga, basi longe-sensimque cuneata; margine integerrima, apice repentino cuspidato-acuminata. Pedunculus folio brevior. Spathae tubus infundibuliformis extus ex albo et coerulescenti striatus (l. in stirpe feminea elongatus apicem versus constrictus, viridule-striatus), faux aperta limbo vix recurvo; lamina oblongo-ovata l. oblongo-lanceolata, mox procurva et in acumen subulatum, in mare longum, in femina longissimum, illius coeruleo-, hujus virente- et albo-vittatum producta. Spadix e fauce vix emergens, sexualis. Appendix ex axi sensim leviterque attenuata, vertice truncata, subincrassata. — Sikkim. — Hooker, f. —

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*v. s. specim. spontan. et icones loco natali creatas.*

49. **affine.** *S. (Bonpl. 1859. p. 27.)* Unifolium. Petiolus coloratus sed vix variegatus. Segmenta 11—13, anguste-lanceolata, basi longe-cuneata, margine integerrima, apice longe acuminata. Pedunculus brevis, coloratus. Spatha tubulosa, (pars feminea subconstricta) ex viridi et albo striato-vittata, faux aperta limbo haud recurvo; lamina ovata mox incurva apice acuminata in subulam praelongam dependentem l. deorsum directam prolongata. Spadix e fauce parum exsertus, sexualis. Appendix e stipite organis neutris subulatis, surrectis paucis onusto, sensim attenuata, apice obtusa subtruncata subinerassata. — Sikkim. — Hooker, f.—*v. specim. sicc. et delineationem partim coloratam in collectione Hookeri, f. et Thoms.*

50. **Leschenaultii.** Blume. *(Rumph. I. p. 93. 1835.)* Unifolium. Petiolus . . . . . Segmenta sub-novem, obverse-oblonga, basi longe-cuneata, margine integerrima, apice cuspidato-acuminata. Pedunculus folio brevior. Spathae tubus tubulosus, faux aperta, limbo subrecurvo, lamina ovato-oblonga subulato-acuminata, subula modica deorsum directa. Spadix e fauce vix prolata, sexualis. Appendix e stipite sensim incrassato, organis neutris plurimis subulatis sursum vergentibus onusto, sensim attenuata, apice verrucoso-muricata obtusa.— Montes Nilaghi-

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rienses. — Leschenault. — *v. specim. e loco natali in variis Herbariis.*

§§§. Appendix cylindroidea, ex axi inferne subsensim incrassata.

51. **Cumingii.** *S. (Synops. I. p. 28. 1856.)* Unifolium. Petiolus . . . . Segmenta subnovem, obovato-elliptica l. elliptica, basi cuneata; margine integerrima, apice longe- et subulato-cuspidata. Pedunculus folio brevior, . . . . Spathae tubus infundibuliformis, striatus, faux aperta limbo recurvo, lamina ovata acuminata in subulam longissimam desinens, decurvato-dependentem. Spadix e fauce parum exsertus sexualis. Appendix e stipite organis neutris subulatis plurimis onusto, sensim incrassata et subcylindrice-ad apicem rotundatum producta. — In Philippinis. — Cuming. — *v. s. spontan.*

52. **consanguineum** *S. (Bonpl. 1859. p. 27.)* Unifolium. Petiolus colore rubro et flavo tinctus, fusco-irregulariter-maculatus. Segmenta subnovem, praelonge-angusteque — lanceolata, basi cuneata, margine integerrima, apice subulato-longe-acuminata. Pedunculus folio brevior, virens, fusco-variegatus. Spathae tubus cllipsoideus, viridis brevis; faux aperta, limbo recurvo, l. ex undulato-recurvo; lamina oblonga viridis, albide-vittata, subarrecta, apice subrepentino in acumen subulatum praelongum deflexum desinens. Appendix e fauce exserta,

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stipite organis neutris subulatis plusculis obsito, clava cylindroidea, obtusa. — Sikkim. Hooker, f. — *v. s. et in icone.*

*Observ.* Ovaria coerulescunt.

53. **erubescens** *S. (Melet. I. p. 17. 1832.)* Unifolium. Petiolus flavidus, variegatus. Segmenta 9—23, angusta, lineari-lanceolata, basi cuneata, margine integerrima, apice subulato-acuminata, subtus glauca. Pedunculus lineate-variegatus. Spathae tubus subcylindricus; faux aperta limbo subrevoluto; lamina ovata l. oblongula in acumen longum porrectum producta, striis albis et roseis ornata. Spadix faucem superans, sexualis. Appendix cylindroidea obtusa, basi organis neutris subulatis paucissimis comitata. — Nepalia. Wallich. — *vid. s. specimina authentica.*

54. **Tatarinowii** *S. (Bonpl. 1859. p. 27.)* Unifolium. Petiolus variegatus. Segmenta 13—15, obverse-lanceolata, basi longissime cuneata, margine integerrima, repentino in cuspidem subulatam praelongam producta. Pedunculus folio brevior . . . . . Spathae tubus subcylindricus, faux . . . . . ; lamina . . . . . in acumen subulatum praelongum, deflexum elongata. Spadix faucem superans, sexualis. Appendix e stipite tenui, organis neutris, subulatis, paucissimis basi comitato, sensim sensimque apicem versus incrassata. — Pekin. Tatarinow — *v. s. in Herb. Acad. Petropol.*

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55. **vituperatum** *S. (Bonpl. 1859. p. 28.)* Unifolium. Petiolus variegatus? Segmenta 7— . . . . . , lineari-lanceolata, basi longe-angusteque cuneata, margine serrulata, serraturis inaequalibus, patentissimis, apice longe-angusteque acuminata. Pedunculus . . . . . Spathae tubus cylindroideus? in laminam margine serrulatam apice subulato-cuspidatam prolongata. Spadix sexualis . . . . . Appendix longe-stipitata, basi subincrassata? stipite inferne organis neutris subulatis nonnullis obsesso. — Nepaliae? Wallich? — *v. s. specim. spontan.*

*Observ.* Sub Nr. 8915 Wall. Cat. commixtum.

Species recognoscendae.

*† Foliis trisectis.*

56. **Griffithii** *S. (Synops. I. p. 26. 1856.)* Unifolium. Petiolus purpureo- l. brunneo-maculatus. Segmenta pedalia et ultra, oblonga, margine rubro . . . . . Spatha breviter-pedunculata, obscure-punctata, cucullata, maxima, acuminatissima, tubo sanguineo-brunneo, albo-venoso. Spadix in filum bipedalem atrosanguineum abiens. — Bootan *(Griff. It. Not. II. p. 201. Nr. 1179. sub. Python. sp.)*

57. **Loureiri** Blume. *(Rumph. I. p. 107. 1835.)* . . . . . Segmenta lanceolata . . . . . Spadix subulatus spatham superans . . . . . — Cochinchina. *(Blume Rumph. p. 108.)*

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58. **gracile** Knth. *(En. III. p. 21. 1841.)* . . . . . Segmenta acuta, intermedium oblongum, lateralia semihastata. Spatha flagelliformis. Spadix flagelliformis spathae longitudinis. Organa neutra revoluta. — Silhet. *(Roxb. Flor. Ind. III. p. 505, sub Aro.)*

† *Foliis pedatisectis.*

59. **stictopodum** Miquel. *(loco infra cit.)* Petioli pallide-virides, luteo-maculati. Segmenta quina, ansata, (medium longiuscule), lateralia basi acutiuscula, subinaequali-elliptica, medium obovato-ellipticum, omnia acuminata. Pedunculus petioli longitudine, maculatus. Spathae tubus pallide-viridis, lamina tubi longitudine lanceolata, acuta, saturate-virens, subfornicata. Spadicis appendix filiformis, laminam aequans. — Sumatra. *(Miquel Flor. Ind. Bat. III. p. 219.)*

60. **Cochinchinense** Blume *(Rumph. I. p. 107. 1835.)* . . . . . Segmenta sessilia, late-lanceolata, integerrima. Spadix subulatus spatham superans . . . . . Cochinchina. *(Rumphia pag. 107.)*

61. **heterophyllum** Blume. *(Rumph. I. p. 110. 1835.)* . . . . . Segmenta 7 – 11, omnia sessilia oblonga, breviter-cuspidata, integerrima, intermedio bilateralibus minore. — . . . . . — Japonia *(Rumphia p. 110.)*

62. **latisectum** Blume. *(Rumph. I. p. 110. 1835.)* . . . . . Segmenta 6- l. plura, elliptica,

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longe-cuspidata, integerrima, intermedium ansatum, lateralia sessilia . . . . . , . . . . . — Japonia *(Rumphia pag. 110.)*

63. **amplissimum** Blume. *(Rumph. I. p. 110. 1835.)* . . . . . Folia ampla. Segmenta 11—15, oblonga, longe-cuspidata, repanda, intermedium ansatum, lateralia sessilia . . . . . — Japonia *(Rumphia pag. 110.)*

64. **Pluckenetii** Blume. *(Rumph. I. p. 110. 1835.)* . . . . . Segmenta sub 7, subansata, oblonga, utrinque acuminata. Spatha erecta, acuta. Spadix subulatus spatha multo longior. — Virginia. *(Rumphia pag. 110.)*

65. **Boscii** Blume. *(Rumph. I. p. 104. 1835.)* . . . . . Segmenta 7—11 l. plura, omnia sessilia, lineari-lanceolata acuminata, integerrima. Spatha erecta acuminata. Spadix subuliformis spatha dimidio longior. — Amer. septent. *(Rumphia pag. 104.)*

*Subgen.* Coryphephore Miquel. (Flor. Ind. Bat. III. p. 220).

66. **ornatum.** Miq. *(l. supra c.)* Petiolus sordide-viridis, fusco-maculatus. Folium subumbellato- quinatum, foliola petiolulata (4—5 lin.) basi acuta, elliptico-oblonga, acuminata. Pedunculus carneo-fuscescens, maculis saturatioribus, petiolo crassior. Spathae, tubus obconicus, extus pallide-fuscus, saturatius lineatus; intus pallidus; faux reflexa

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limbo; lamina lato-lanceolata, subfornicata, inferne marginibus reflexa, saturate-fusca. Spadix . . . . Appendix spatham circiter aequans, filiformi-pendula, tota organis neutris lineari-subulatis, subviridulis, $^1/_2$—1 pollic. longis, subpatulis, densiuscule obsessa. — Sumatra. — Miquel.

Vix cognita.

67. **Species.** *(Griff. It. Not. II. p. 185. Nr. 941. sub. Python.)* Petiolus pallide-fusco-maculatus, lividus. Segmenta 3, undulata, margine laete-fusco. Spatha cucullata, intus alte-plicata, interplicis albis, plicis atropurpureis. Spadicis apex in filum longissimum attenuatus. — *Bootan.*

68. **Species** *(Griff. It. Not. II. p. 55. Nr. 847. sub Aroidea).* Folia pedata . . . . *Khasia.*

69. **Species.** *(Griff. It. Not. II. p. 153. Nr. 756. a. sub Aroidea).* Folia bina, Petioli maculati. Segmenta quinato-digitata. Spathae tubus-tubulosus, lamina sub-triloba, lobis lateralibus horizontalibus, rotundatis, terminali ovato-lanceolato, fornicato, nutante, apice reflexo. — *Bootan.*

*Observ.* (an Aris. nepenthoides?)

70. **Species.** *(Griff. It. Not. II. p. 196. Nr. 1103 sub Python. sp.)* Petioli? rubescentes, brunneo lineato-maculati. Segmenta quinata. *Bootan.*

71. **Species.** *(Griff. It. Not. II. p. 176. Nr. 897. sub Aroidea).* Unifolium. Segmenta circiter

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8, radiantia, oblongo-lanceolata, valde-acuminata, undulata. Spatha ophidiformis (!), galeata, longissime acuminata, extus viridescens, albo- lineata, intus albo-lineata aut saturate-brunnea, acumine pendulo. Spadix superne clavatus, apice incrassato, rugulo-so. — *Bootan.*

72. **Species.** *(Griff. It. Not. II. p. 67. Nr. 1046. sub Aroidea.)* Segmenta peltato-radiata, Fructus oblongus, cernuus, pendulus. — *Khasia.*

73. **Species.** *(Griff. It. Not. II. p. 77. Nr. 1147. sub Arum. sp.)* Petioli obscure-maculati . . . . . Spathae lamina viridis, fornicata auriculis rotundis, reflexis. Spadicis apex teres obtusus, viridis. — *Khasia.*

74. **Specis.** *(Griff. It. Not. II. p. 185. Nr. 941. a. sub Pythonium ecaudatum).* — Pubescens, lividum, maculatum, bifolium. Spatha rubescenti-fusca, fusco variegata. Spadix simplicium (!). — *Bootan.*

75. **Species.** *(Griff. It. Not. II. p. 192. Nr. 1040. sub Pythonium.)* — Pallide livide-lineatum, non maculatum. Spatha basi inflata, lamina fornicata, acuminata, medio supra lutescens, basi purpurea. Spadicis apex albus. — *Bootan.*

76. **Species.** *(Griff. It. Not. II. p. 197. Nr. 1106. sub Pythonii sp.)* — Petiolus parum maculatus. Folia bina. Spatha cucullata, viridis. Spadicis apex longe productus, ascen-

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dens l. recurvus. Hermaphrodita (!) — *Bootan.*

77. **Species.** *(Griff. It. Not. III. p. 144. sub Arum sp.)* — Petiolus et pedunculus palli-de-viridescentes. Spatha luteo-viridis intus inferne fusco-purpurea, tandem fusca. — *Burmah.*

78. **Species.** *(Calla polyphylla Blanco Flor. de Filipinas. 659).*

## Dubia.

79. **pentaphyllum.** *S. (Melet. I. p. 17. 1832.)* Folia quinati-secta, segmentis, sessilibus, oblongis, obtusis. Spadix arrectus, subuliformis, spatha superne erecto-patenti, elongata acuminata brevior. — Blume. — *(ex Zanon. rar. stirp. p. 99. t. 23. f. 2. — Rumphia p. 109.)*

80. **heptaphyllum.** Blume. *(Rumph. I. p. 109. 1835.)* Folia peltatisecta, segmentis 6—7, sessilibus, oblongis. Spadix erectus, fusiforme attenuatus, spatham superne erecto-patentem, ovatam, acutam adaequante *(ex Zanon rar. stirp. p. 100. t. 173. f. 3. — Rumphia p. 109.)*

81. **pumilum.** Blume. *(Rumph. I. p. 107. 1835.)* Folia trisecta. Segmenta sessilia ovata, obtusiuscula, lateribus extrorsum gibberis. Spadix clavatus, obtusus, spatha superne ovata acuminatissima, patula brevior. —

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(*ex Pluckn. t. 148. f. 6.— forte Typhonium trilobatum repraesentans!*) *Rumphia. p. 107.*

Excludenda.

**Aris. macrourum.** Bunge.=Pinellia tuberif. *Tenore.*

„ **Makoyanum.** Knth. = Arisaema filiforme *Blume.*

„ **Pythonium.** Blume. = Zomicarpa Python. *S.*

„ **ternatum.** *S.* Melet. = Pinellia tuberifera. *Ten.*

„ **venosum.** Blume. — Sauromatum venos. *Knth.*

**Tribus Dracunculeae.** *S.* (Parastadicae). Spadix liber. Spica mascula densa. Antherae sessiles.

SUBTRIBUS BIARINAE. *S.* Spathae tubus connatus. Spica mascula elongata, ab ovariis remota, feminea, contracta. Antherae rimulis poriformibus aperientes, tandem in plurimis bivalve disrumpentes. Ovaria uni- l. pauciovulata; ovula fundifixa. Organa neutra subdecurrentia. Baccae albae l. purpureae, deciduae. Folia hysteranthia.

**BIARUM.** *S.* Spathae tubus alte-connatus. Antherae loculi oppositi, connectivo vix prominulo affixi. Stylus brevissimus. Stigma hemisphaericum. Organa neutra subulata, supra infraque stamina. Spatha autumnalis.

1. **tenuifolium.** *S.* (*Melet. I. p. 17. 1832.*) Fo-

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lia elongate-lineari-lanceolata, basin versus longe-cuneata, apicem versus acutata. Vaginae inflorescentiam comitantes longae, lineares, acutatae, sub-6. Pedunculus longulus, hypogaeus. Spatha elongato-lineari-lanceolata, 6—8-pollicaris, tubo pollicari, lamina sensim angustata in acumen, ad faucem et tubum versus vix margine undulato-crispata. Spadix tandem spatha longior, appendice subulata, elongata medio leviter-incrassata. Organa neutra infra antheras copiosa, longula, saepe varie flexa. Antherae connectivo valde-prominulo praeditae. — Sicilia, Neapolis, etc. —*v. s. spontan. in plurim. Herbariis.*

2. **Sprunerі.** *S.* (*Gen. Aroid. 1858. p. 7.*) Folia elongata, subspathulato-lanceolata, basin versus valde-angustata, apice subobtusato apiculo terminata, margine subundulata. Vaginae inflorescentiae plures, haud elongatae. Pedunculus longulus, hypogaeus. Spatha late-oblongo-lanceolata, sub-6-pollicaris, tubo pollicari, intus ex toto pallido, lamina inferne tubulose marginibus connivens, undulato-crispata, subrepentino deinde expansa et sensim apicem versus angustata. Spadix spatha longior, appendice subulata, medio leviter-incrassata. Organa neutra infra antheras, sparsiora, longula, varie flexa. Antherae connectivo minus-prominulo insignitae. — Graecia. — Sprunner.—*v. s. in Herb. Heldreich, et viv. cult.*

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3. **Anguillarae.** *S.* Folia elongata, lineari-lanceolata, basin versus longe cuneata, apicem versus acuminata, margine haud undulata. Vaginae inflorescentiae plures, breves. Pedunculi longuli. Spatha oblongo-lanceolata, 3 — $3^1/_2$ - pollicaris, tubo haud pollicem metiens, intus fundo purpurascente, lamina inferne tubulose convoluta, absque undulis l. crispatura, subrepentino expansa et sensim angustata. Spadix spatha longior, appendice medio subincrassata. Organa neutra infra antheras remotiuscula, brevia, pauciora. Antherae connectivo vix prominulo praeditae. — Dalmatia, Graecia? — *v. s. et viv. cult.*
4. **abbreviatum.** *S.* Folia elongata, spathulato-lanceolata, basin versus sensim sed valde attenuata, apicem saepe subobtusum versus apiculato-acutata, margine tandem manifeste- undulata. Pedunculi inflorescentiarum breves. Spatha lanceolato-oblonga, acuta, apice paulo procurva, tripollicaris, tubo $^3/_4$-pollicari intus ad basin purpurascente; lamina inferne tubulosa absque undulis l. crispatura, subsensim expansa et sensim angustata. Spdix spatha longior, erectus, appendice medio subincrassata. Organa neutra infra antheras pauciora, horizontaliter- porrecta, brevia. Antherae connectivo fere haud prominulo. — Graecia. — Heldreich. — *v. s. et viv. cult.*

*Observ.* Saepe Biaro Sprumeri commixtum.

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5. **Zelebori.** *S. (Oesterr. Wochenbl. 1857. p. 245.)* Folia haud elongata, oblanceolata, basin versus sensim- ac longe-angustata, apice sensim-acutata, firmula, strictiuscula, carnosula, margine absque undulis continua. Pedunculus brevis. Spatha oblonga, cuspidate-acuminata, vix procurva, $3^1/_2$-pollicaris, tubo $^3/_4$-pollicari, intus fundo vix colorato; lamina inferne tubulosa, margine aequato, subsensim concavo-aperta et apice subrepentino cuspidulata. Spadix spatha, paulo longior, arrectus procurvus, appendice crasse-subulata medio fortiore, apice obtusula. Antherae connectivo leviter prominulo donatae. — Graecia et Asia minor. Zelebor. — *v. v. cult.*
6. **Russelianum.** *S.* Folia elongata, angusta, 2—3 lineas lata, acutata. Pedunculus brevis. Spatha oblongo-lanceolata, acutata, leviter procurva, 5-pollicaris, tubo sesquipollicari, lamina margine aequata. Spadix spatha paulo brevior, erectus, leviter procurvus, appendice e fauce ex toto exserta, inferne stipitata l. substipitata, sensim leviterque incrassata. — Syria, Aucher-Eloy. — *v. delineat. specim. Aucheri Herb. Mus. Paris.*

Species excludendae.

**Alexandrinum** Boiss. = Leptopetion Alexandrinum *S.*

**constrictum** C. Koch. = B. tenuifol. *S.*

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**gramineum** *S.* quod forte nil nisi specimen debile B. tenuifolii. — Sicilia.

**Haenseleri** Willk. = Ischarum Haenseleri *S.*

**Lehmanni** Bunge = Eminium Ledebouri *S.*

**Olivieri** Blume = Leptopetion Alexandrinum *S.*

**LEPTOPETION** *S.* Spathae tubus alte-connatus, inflatus, faux constricta; lamina subulata. Antherae loculi oppositi, poro aperientes. Organa neutra infra et supra antheras subnulla. Stylus ex ovario conico protensus. Stigma conoideum! Inflorescentia fere cum foliis, autumno (Novembre) progrediens.

1. **Alexandrinum** *S. (Gen. Aroid. 1858. 8.)* Folia juvenculae spathulato-lanceolata, adultae lanceolata, ovata l. linearia angustissima, in petiolum praelongum angustata. Pedunculus longus subexsertus. Spathae tubus ovoideus, lamina duplo brevior. Baccae albae. — pp. Alexandriam. Olivier etc. — *v. s. et cult. s. fl.*

*Synon.* Biarum Olivieri. Blume!
Biarum Alexandrinum. Boiss.!

**CYLLENIUM** *S.* Spathae tubus cylindricus, alte-connatus, tenuis; faux vix ampliata; Antherae loculi antici, juxtapositi, rimis confluentibus aperientes et tunc antheram bivalvem exstruentes; connectivum rostrato-prominulum. Organa neutra infra antheras, l. omnia l. superiora recurva, saepe connata bi- trifurca. Stylus ex ovario attenuatus, co-

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noideus. Stigma depresse-hemisphaericum. Spatha vernalis, (Majo), in altera specie autumnalis.

1. **Spruneri** *S. (Gen. Aroid. 1858. 9.)* Folia spathulato-lanceolata sensim in petiolum longum angustata. Spathae lamina linearioblonga apiculata. Spadix spatham vix excedens, appendice crassa fusiforme-conoidea. — Graecia.

   *Synon.* Biarum Spruneri Boiss.
   Biarum rhopalospadix C. Koch.
   Ischarum Spruneri Schott. Synops.

2. **Carduchorum** *S.* Folii lamina spathulato-elliptica, subtripollicaris longitudine, pollicaris latitudine, inferne subrepentino in petiolum angustata, apice obtusata l. subacutata. Spathae lamina lanceolato-oblonga, longitudine 6-pollicaris, latitudine bipollicaris, sensim acuminata, extus substriolato-variegata, intus purpurea. Spadix spatham haud excedens. Ovaria purpurantia. Pars staminodiifera albida, staminodiis inferioribus longis, l. vagis, l. sursum arcuatis, superioribus gradatim brevioribus recurvis. Spica antherifera elongata, lutea. Appendix stipite longo albido fulta, subrepentino incrassata subcylindroidea. — Kurdistania, Schirwan. Kotschy. — *v. s. specim. spont. florentia et folia plantae cultae.*

**ISCHARUM** (Blume.) *S.* Spathae tubus ventricosus, ima basi connatus. Antherae loculi oppositi, rimis confluentibus aperientes con-

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nectivum vix prominulum. Organa neutra infra antheras tantum, subulata. Stylus longus, abrupte ex ovario exsertus. Stigma hemisphaericum. Spatha autumnalis.

1. **eximium** *S.* et Kotschy. *(Oestr. B. Wchbl. 1854. p. 81.)* Folii lamina ovato-oblonga acuta, in petiolum angustata. Spatha oblongo-ovata, apice rotundato breviter-apiculata, extus purpurans minute-maculata; tubus $^3/_4$-pollicaris. Spadix spatha paulo brevior, fere ad medium sexifer. Ovaria stylo fere brevi donata. Organa neutra longula, plura ad antherarum spicam sparsa. Antherarum spica $^3/_4$-pollicaris. Appendix crassa, apicem versus attenuata, obtusula. Taurus. — *v. v. cult. et s.*
2. **Pyrami** *S.* Folii lamina obovato-elliptica, inferne subsensim l. subrepentino-angustata, apice rotundato-obtusato vix apiculata. Spatha e tubo ventricoso, depresso, in laminam late-oblongam, dorso ex purpureo interrupte late striato-maculatam, intus atropurpuream tandem revolutam, sensim angustata. Spadix spatham subaequans, 5-parte organis tectus. Ovaria longe- et cylindrice-stylata. Organa neutra longula, plura, ovariis contigua. Antherarum spica brevis, vix semipollicaris. Appendix brevissime-stipitata, fusiformis. — Asia minor, juxta arcem Semiramidis. Kotschy. — *v. v. cult.*
3. **nobile** *S.* Lamina folii oblonga, inferne longe-sensimque cuneata, apicem versus

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linea arcuata subsensim acutata, petiolo longe exserto insidens. Spathae tubus ovoideus, ventricosus, lamina late- et elongate-oblonga, sensim acutata, dorso ex purpureo interrupte anguste-striato-maculata, intus atropurpurea, mox arcte revoluta. Spadix spatham superans, 5- parte organis tectus. Ovaria longe- et cylindrice-stylata. Organa neutra longula, plura, interrupte ad antheras usque sparsa. Antherarum spica $^3/_4$-pollicaris. Appendix brevissime stipitata, vermiculare-fusiformis. — Asia minor, juxta arcem Semiramidis. Kotschy. — *v. v. cult.*

4. **Carsaami** *S.* Folii lamina ovata, subobtusa, brevissime apiculata, basi rotundata et abrupte e petiolo progressa . . . . . Aleppo Rauwolf, Olivier. — Ad arcem Semiramidis Kotschy. — *v. s. specim. Aleppicum in Herb. D C. et viv. cult. a Kotschyo collectum.*

5. **Kotschyi** *S. (Synops. I. p. 7. 1856.)* Folii lamina ovato-oblonga, acuta, in petiolum angustata. Spatha e tubo ovoideo lineas 4 imo connato intus inferne purpureo, in laminam lanceolatam angustata. Spadix spatha paulo longior, tertia parte sexifer, Ovaria longe-stylata. Organa neutra rara, sparsa, longula. Antherarum vertice purpurearum spica sub- 4-linearis. Appendix crassa, apicem versus attenuata, acutiuscu-

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la. — Libanus orientalis. Kotschy. — *v. v. et s.*

6. **crispulum** *S.* Folii lamina elliptica, inferne repentino in petiolum angustata, apice rotundato-obtusato vix apiculata. Spatha e tubo oblongo-ovoideo imo brevi connato, intus ex viridi-albo in laminam lineari-lanceolatam angustam, margine dense et graciliter crispulam producta. Spadix spatham vix excedens, vix tertia parte sexifer. Ovaria longe-stylata. Organa neutra rara, fere uniserialia, quasi tota longitudine axi adnata, hinc inde tantum, medio interstitio neutro soluta parte libera obtuse-subulata, arrectiuscula, brevi. Antherarum flavarum, vertice linea dupla atropurpurea insignitarum spica sub- 5-linearis. Appendix tenuis, subulata, obtusula. — Ad arcem Semiramidis Kotschy. — *v. v. cult.*

7. **Bovei** *S.* (Blume. *Rumph. I. p. 114. t. 29. 1835.)* Folii lamina ovata l. oblongo-ovata, basi obtusata, apice acutata. Spathae tubus 4-5 lineas connatus; lamina lanceolata, sensim angustata et fere acuminata. Spadix paulo ultra tertiam partem sexifer. Ovaria longe stylata. Organa neutra pluscula, totum fere interstitium inter ovaria et antheras occupantia. Spica mascula longa. Appendix subulata parte sexifera plus duplo longior. — Libanus. Bové. — *v. s. in variis Herbariis.*

8. **Fraasianum**. *S. (Oest. B. Ztschr. 1859. p. 98.)* Vaginae bracteantes 5—6, latae. Folia

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. . . . . Spathae tubus parum ventricosus, subcylindroideus ad medium circiter connatus; lamina ovato-lanceolata, l. oblonga, breviter-cuspidata, expansa. Spadix mediam spatham paulo superans, dimidia sua longitudine sexualis, Ovaria longe-stylata. Organa neutra rara, sparsa, longa, ovariis vicina. Appendix sensim incrassata, apicemque versus reattenuata. — In campis Thebaicis. — Fraas. *v. s. communicatum a Celeb. Heldreich ex Herb. Sartorii.*

9. **Haenseleri.** *S. (Synops. I. p. 8. 1856.)* Lamina fol. lanceolata, basi apicemque versus angustata. Spathae tubus parum ventricosus subcylindroideus, alte-connatus; lamina lanceolata l. sublineari-lanceolata, acuminata, subexpansa. Spadix spatham tandem fere superans; 4-parte sexifer, Ovaria longe stylata. Organa neutra spatium inter ovaria et antheras sparsim occupantia, longa. Appendix tereti?-subulata, parte sexifera triplo longior. — Hispania. — *v. s. exemplar authenticum a Celeb. Willkomm. benevole communicatum.*

*Synon.* Biarum Haenseleri *Willkomm.*

10. **dispar.** *S. (Synops. I. p. 7. 1856.)* Folii lamina ovata acuta. Spathae tubus altitudine bilineari connatus; lamina lanceolata, apice acuta. Spadix vix quarta parte sexifer. Ovaria breviter-stylata. Organa neutra pauca ovariis approximata. Spica mascula longa. Appendix subulata? parte sexifera plus triplo-

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longior.—Algeria.—Bové.—*v. s. plur. specim. spontan.*

*Synon.* Biarum Bovei. Balansa.

## Dubia.

11. **Homaid.** *S.* (Blume. *Rumph. I. p. 115. 1835.*) Foliis lanceolato-spathulatis obtusis. — Aleppo.

## Excludenda.

**Isch. Lehmanni.** *S.* Syn. = Eminium Ledebouri *S.*

„ **Spruneri.** *S.* Syn. = Cyllenium Spruneri *S.*

„ **Alexandrinum.** *S.* = Leptopetion alexandrinum *S.*

**SAUROMATUM.** *S.* Spathae tubus ventricosus; lamina elongata, maculata. Antherarum spica ab ovariis interstitio organis neutris clavatis obsesso, remota. Appendix epithemate praeditus. Ovula plerumque 2 in loculamento, interdum 3—4, fundifixa, subsessilia. Baccae receptaculo incrassato, globoso, carnoso contigue-insidentes, obpyramidatae. Semen hemi-sphaeroideo-turbinatum.

Folia pedata!

1. **pedatum.** *S. (Melet. I. p. 17. 1832.)* Petioli immaculati. Lamina fol. segmentis obovato-oblongis, acutis. Spatha flavescens, maculis purpureis confluentibus; totam fere pagi-

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nam in margines usque interrupte occupantibus, colorata. Spadicis appendix teretiuscula, apicem versus fere leviter attenuata. Fructus e baccis vertice atropurpureis. — Ind. or. — *s. v. cult.*

2. **venosum**. *S. (Knth. En. III. p. 28. 1841.)* Petioli maculati. Folii laminae segmenta oblonga, basin versus cuneata, apice acuminata, costa venisque creberrimis densis flavicantibus. Spatha ex viridi-flavescens, guttis l. maculis oblongulis haud confluentibus confertissime obtecta. Spadicis appendix, longissime cylindrice-subulata.—Ind. or.—*v. v. cult.*

   *Synon.* S. guttatum B. Mag. t. 4465.

3. **sessiliflorum.** Knth. *(En. III. p. 28. 1841.)* Petiolus maculatus. Segmenta laminae fol. lancelato-oblonga, acuminata. Spatha maculis angustis transversalibus quasi transverse et interrupte striolata, margine crispula . . . Spadicis spatha multo brevioris appendix fusiforme subulata. — Ind. or. — Cawnpure. — *Roxb.—ex Wightii delin. etc.*

4. **guttatum.** *S. (Melet. I. p. 17. 1832.)* — Petiolus immaculatus. Segmenta laminae fol. oblonga, acuminata? Spatha flavo-virens, maculis majusculis irregulariter angulatis difformibus dense obsita. Spadicis spatha 5-parte brevioris appendix crassula, tereti-conoidea, obtusa. — Ind. Or.—Wallich. — *ex icone etc. Wallichii.*

   *Synon.* Arum venosum. Bot. Reg.
   Sauromatum venosum *Knth.*

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5. **Simlense.** *S. (Oestr. B. Ztschr. 1858. p. 349.)* Petiolus maculatus. Segmenta laminae fol. oblonga, valde-acuminata. Spathae proportione minutae apex longe acuminato-productus. Spadicis spatham superantis appendix tenuis, subuliformis. — Ind. or. Simla. — Hooker, fil. — *v. s. in Herb. Hooker et Thoms.*
6. **Nubicum.** *S. (Synops. I. p 25. 1856.)* Folia . . . Spathae lamina apicem versus continue angustata, anguste acuminata. Spadicis appendix . . . — Nubia superior. — *v. s. specim.*

## Dubia.

7. ? **Abyssinicum.** *S. (Synops. I. p. 25. 1856.)* Folia . . . . Spatha atrosanguinea. Spadicis appendix clavata. — Schimper. — *Synon.* Arum Abyssinicum *Richard, fil. Observ.* Organa sterilia nulla. *(ex Richard.)*
7. ? **Horsfieldii.** Miq. *(Flor. Ind. Bat. III. p. 196. 1856).* Folia pedato 8—10- partita, segmenta extima subpetiolulata, interiora sessilia, elliptico-lanceolata l. lanceolata, nervo laterali a margine remoto. — Java. — ex Miquel.

## Excludenda et Corrigenda.

**Saur. ferox.** Linden = Anchomanes dubius *S.*

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Saur. **guttatum.** B. Mag. = *S.* venosum *S.*
„ **punctatum.** Hort. = Conoph.- punctulatus? *S.*
„ **venosum.** Knth. = *S.* guttatum. *S.*

**SUBTRIBUS ARINAE.** *S.* Spathae tubus convolutus. Spica mascula compacta, ovariis approximata, feminea elongata. Antherae rimis aperientes. Ovaria pluriovulata, ovulis lateraliter-affixis, sub horizontalibus. Organa neutra e basi bulbosa subulata, aggregata. Baccae rubrae, diu sistentes.

Folia proteranthia, in Gymnomesio subhysteranthia.

**GYMNOMESIUM.** *S.* Spatha marcescens. Spadicis appendix clavata. Spica mascula ab ovariis spatio brevi nudo remota. Organa neutra supra antheras tantum.

Folia subhysteranthia.

1. **pictum.** *S.* (*Oestr. B. Wchenbl. 1855. p. 17.*) Folii lamina cordato-ovata, venis venulisque crebris, approximatis, areolas primarias elongatas angustas construentibus in pseudoneurum subsimplex margini contiguum anastomosantibus. Spatha lanceolato-oblonga, cuspidata. Spadix 4- fere parte organis fructificationis onustus. — Sardinia, Corsica. — *v. s. in plur. Herb.*

**ARUM.** *Linné* Spatha evanescens. Spadix appendice interdum obsolete-clavata, epithemate (organorum sterilium inevolutorum crusta)

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crasso. Organa neutra supra infraque antheras, illas munientia.

Folia proteranthia, sagittata.

### Conspectus

sectionum et subsectionum.

**Sectio. I.**

Vagina petioli spadicigeri brevis. Pedunculus brevis.

a. *Subsect. Poeciloporphyrochiton.* Spatha purpureo-maculata l. purpurea. Tuber rotundatum.

* *Asiae mediterraneae.* Spatha prolongata. Spadix ultra laminae medium prolongatus, appendice fusiformi.

§. Longe-sed indistincte stipitata appendice.

§§. Breviter-stipitata appendice

** *Europae mediterraneae.* Spatha lata, brevis. Spadix laminae medium vix superans, appendice digitiformi, longule-stipitata.

b. *Subsect. Chlorochiton.* Spatha virens. Tuber horizontaliter protensum.

* *Mediterraneo-Occidentalia.* Spatha, lata, oblonga. Spadix laminae medium haud superans, appendice digitiformi, breviter stipitata.

** *Mediterraneo-Orientalia.* Spatha lata, oblonga, acuminata. Spadix laminae medium attingens l. superans, appendice conico-digitiformi, breviter-stipitata.

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c. *Subsectio Dischroochiton.* Spatha disco virens, marginem versus plus minusve ex sordide-rubro colorata. Tuber rotundatum.

* *Orientalia.* Spatha subelongata. Spadicis appendix, obtusata.

α. Appendicis stipite haud manifeste distincto.

β. Appendicis stipes distinctus, longus.

** *Europae mediae.* Spatha vix elongata. Spadicis appendix subconoidea, acutata, longule-stipitata.

*** *Europae australioris.* Spatha dilatata, brevis. Spadicis appendix e stipite sensim incrassata.

**Sectio II.** Vagina petioli spadicigeri prolongata. Pedunculus longus. Tuber rotundatum.

* *Europaea.* Spatha latiuscula. Spadicis appendix crassa.

** *Orientalia.* Spatha diminuta. Spadicis appendix tenuis.

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**Sectio I.** Vagina petioli spadicigeri brevis. Pedunculus brevis.

a. *Subsectio Poeciloporphirochiton.* Spatha purpureo maculata l. purpurea. Tuber rotundatum.

* *Asiae mediterraneae.* Spatha prolongata. Spadix ultra laminae medium prolongatus, appendice fusiformi.

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§. Appendix longe-, sed indistincte stipitata.

1. **Syriacum**. Blume. *(Rumph. I. p. 119. 1835.)* Tuber depresse-rotundatum. Petiolus spathifer breviter-vaginatus. Folii lamina late-hastato-sagittata. Pedunculus petiolo multo-brevior. Spathae tubus intus laete-viridis; lamina lanceolato-oblonga, acuminata, amoene flavo-virens, maculis inferne ellipticis atropurpureis ornata, in disco majoribus, marginem versus minoribus l. minimis. Spadix spatha paulo brevior. Appendix longe-stipitata, stipite paululo sursum incrassato, laevi, nitidulo, pallidius-violaceo, sensim in clavam crassiuscule-subulatam, atrovio-laceam, opacam, scabridulam transgrediens. Ovaria ovoidea, pallide-virentia, horizontaliter exserta, circum stigma atropurpurea. Antherae connectivum haud prominulum, macula violaceo-coeruleseente vertice notatum. Organa neutra pallida, flaventia, inferiora bulbo laeviusculo, superiora oligocyela bulbo verruculoso, subulis laeviusculis. — Palaestina, Syria. — Blume, Kotschy. — *v. v. cult. et s. pluries.*

§§. Appendix breviter stipitata.

2. **spectabile**. *S. (Oestr. B. Wochbl. 1857. p. 175.)* Tuber depresse-rotundatum. Petiolus spathifer breviter-vaginatus. Lamina fol. in stirpe adulta elongato-sagittata. Pedunculus petiolo modice-brevior. Spathae tubus intus virens; lamina lanceolato-oblonga, acuminata, flavo-virens, maculis magnis, in disco et

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utplurimum in margine confluentibus inferne notata, apice immaculata. Spadix spatha paululo brevior. Appendix breviter-stipitata; stipite subcylindrico, laevi, nitidulo, pallide-purpurascente; clava elongato-conoidea, obtusa, subrepentino e stipite incrassata, crassa, atro-violacea, opaca. Ovaria ovoidea, virescenti-flaventia, horizontaliter exserta, circum stigma atropurpurea. Antherae connectivum haud prominulum. Organa neutra, violacea, (l. pallide-obfuscata subulis violaceis), inferiora et superiora oligocycla bulbis minute verruculosis l. subulisque laevigatis. — Asia minor, Taurus etc.

*Synon.* A. Dioscoridis Schott *Synops.*

3. **Liepoldtii** *S.* Tuber depresse-rotundatum. Petiolus spathifer breviter-vaginatus. Lamina fol. in stirpe adulta triangulare-sagittata. Pedunculus petiolo paulo brevior. Spathae tubus intus in fundo viridis, apice, fere a medio apicem versus amoene-purpureus; lamina lanceolato-ovato-oblonga, acuminata, inferne atropurpurea, medio pallide-purpurea, maculis atropurpureis saepe confluentibus, superne laete-viridis. Spadix spatha paulo brevior. Appendix longule-stipitata, stipite cylindrico, pallidius atropurpureo-violaceo, clava elongata, ex tereti conoidea, e stipite subsensim incrassata, haud crassa, atropurpureo-violacea, sub-

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opaca. Ovaria oblongo-ovoidea, flavo-virentia, horizontaliter exserta, circum stigma album atropurpurea. Antherae connectivum haud prominulum. Organa neutra laetepurpurea, mox vero livescentia, inferiora 3—4-cycla, bulbis verruculosis, superiora subdicycla, bulbis manifestius-verruculosis. — Asia minor. Mersine. Kotschy. — *v. v. cultum, ab amicissimo Kotschyo 1859 communicatum.*

4. **Dioscoridis** Smith. *(Prodr. Fl. Graec. II. p. 245. 1813.)* Tuber rotundatum, depressum. Petiolus spathifer breviter-vaginatus. Lamina fol. hastata l. sagittata. Pedunculus petiolo brevior. Spathae tubus intus albus; lamina lanceolato-oblonga, acuminata, purpurea, maculis nigro-purpureis lentiformibus, distinctis in apicem usque maculata. Spadix spatha brevior. Appendix breviter-stipitata; stipite subcylindraceo, laevi, nitidulo, plumbeo-violascente; clava elongata, crassula, teretiuscula, paulo stipite crassiore, atroviolacea, opaca, scabridula. Ovaria ovoidea, flaventia, horizontaliter exserta, circum stigma (aurantiacum?) atropurpurea. Antherae connectivum haud prominulum, macula coerulescente indicatum. Organa neutra sordide-flaventia l. purpurantia inferiora et superiora oligocycla bulbis verruculosis, subulis violascentibus. Asia minor etc. Heldreich etc. — *v. v. cult. et s. in plurimis speciminibus.*

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5. **Philistaeum** Kotschy *(in litteris).* Tuber rotundatum, depressum. Petiolus spathifer breviter-vaginatus. Lamina fol. hastato-sagittata. Pedunculus petiolo brevior. Spathae tubus intus albidus; lamina lanceolato-oblonga, acuminata, saturate purpurea, maculis nullis l. paucissimis flavo-virentibus, minutissimis in parte suprema. Spadix spatha multo brevior. Appendix stipite manifesto destituta, cylindrica, acutata, violacea. Ovaria, ovoideo-oblonga, flaventia, horizontaliter protensa, circum stigma pallide purpureum saturate-purpurantia. Antherae connectivum vix prominulum. Organa neutra inferiora purpurantia l. flavicantia bulbis subverruculosis, subulis laevibus, superiora minuta submonocycla pallida laevia, subulis purpurantibus. — Syria. Palaestina. Kotschy — *v. s. et v. cult.*
6. **Palaestinum** Boiss. *(Diagn. XIII. p. 6. 1853.)* Tuber . . . . . Petiolus spathifer ad medium vaginatus. Lamina fol. hastato-sagittata. Pedunculus petiolo brevior. Spathae tubus intus . . . . . ; lamina lanceolato-oblonga, acuminata, atropurpurea. Spadix spatha paulo brevior. Appendix stipite obsoleto brevissimo instructa, medium l. magis basin versus sensim leviterque incrassata, apicem versus attenuata, obtusa, atropurpurea. Ovaria oblongo-ovoidea, . . . horizontaliter-protensa . . . . . Antherae connectivum vix prominulum. Organa neu-

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tra inferiora, et superiora oligocycla atropurpurea . . . . . — Palaestina. Boissier — *v. s. specim. authentica a Celeb. Boissiero mecum benevole communicata.*

7. **Ehrenbergii** *S. (Oestr. B. Zeitsch. 1858. p. 386.)* Tuber . . . . . Petiolus spathifer . . . . . Lamina fol. sagittato-hastata, immaculata Pedunculus petiolo brevior. Spathae tubus intus . . . . . ; lamina oblongo-lanceolata, valde-acuminata . . . . . Spadix laminae medium attingens. Appendix stipitata, stipite brevi sensim in clavam cylindroideam 4-plo longiorem transgrediente. Ovaria subhorizontaliter exserta ovoidea. Antherae . . . . . Organa neutra . . . . . superiora polycycla. — Syria (Gisr el haja) Ehrenberg. — *v. s. specim. spont. in Herb. G. Berol.*

*Observ.* An hujus loci?

8. **detruncatum**. C. A. Meyer *(in schedula Herbarii Horti Petropol.)* Tuber . . . . . Petiolus spathifer breviter-vaginatus. Lamina fol. hastato-sagittata, interdum lobis quasi horizontaliter truncatis. . . . . Pedunculus petiolo multo brevior. Spathae tubus intus . . . . . lamina elongato-lanceolata, acuminata . . . . . Spadix laminae medium superans, ad $^2/_3$ etiam productus, quandoque spatha paulo brevior. Appendix stipitata, stipite cylindroideo . . . . . clava elongato-conoidea, stipite 3—4-plo longiore . . . . . Ovaria ovoidea, horizontaliter-

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exserta . . . . . Antherae connectivo haud prominulo. Organa neutra inferiora leviter-verruculosa, superiora evidentius-verrucosa, subulis in ambis laevigatis. — Persia borealis, (Schachbulagh), Szovitz. — *v. s. specim. spontan. in Herb. Horti Petropol.*

** *Europae mediterraneae.* Spatha lata, brevis. Spadix laminae medium vix superans, appendice digitiformi, longule stipitata.

9. **nigrum**. *S. (Oesterr. B. Wochenbl. 1857. p. 213)* Tuber rotundatum depressum. Petiolus spathifer breviter-vaginatus. Lamina fol. hastato-sagittata, dilatata, opaca. Pedunculus petiolo multo immo multoties brevior. Spathae tubus intus albus; lamina ovato- l. elliptico-oblonga, acuminata, intense nigro-purpurea. Spadix spatha multo brevior. Appendix stipite manifesto, cylindrico purpureo praedita, clava stipite duplo longiore, digitiformi, inferne subabrupte incrassata. Ovaria oblongo-ovoidea, pallide-virentia, horizontaliter-exserta, annulo latiusculo atropurpureo circum stigma ornata. Antherae connectivum haud prominulum. Organa neutra inferiora et superiora subdicycla, bulbo pallidissimo laevigato, subulis purpurantibus. — Montes-nigri. Maly — *v. s. et v. cult.*

10. **variolatum**. *S.* Tuber . . . . . Petiolus spathifer breviter-vaginatus. Lamina fol. latiuscule hastato-sagittata, viridis. Pedun-

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culus petiolo multo brevior. Spathae tubus intus virens ex toto; lamina ovato-oblonga, acutata extus dorso viridis, reliqua parte purpurea, intus purpurea maculis subaequalibus approximatis, rotundatis pallidioribus flaventibusque variolata. Spadix spatha 5-parte brevior. Appendix stipitata, stipite tereti, haud multo crasso, purpureo saepe hinc inde flavo; clava digitiformis stipite vix duplo longior, basi abrupte incrassata, purpurea, hinc inde flavo-variolata. Ovaria ovoidea, viridia, zona purpurea circum stigma, horizontaliter-exserta. Antherae cum connectivo protuberante in spica brevi. Organa neutra inferiora et superiora subconformia, bulbo laevi flavente, subula purpurante. — Dalmatia Maly — *v. v. cult.*

b. *Subsectio Chlorochiton.* Spatha virens. Tuber horizontaliter-protensum.

* *Mediterraneo - Occidentalia.* Spatha lata, oblonga. Spadix laminae medium, haud superans, appendice digitiformi, breviter-stipitata.

11. **Italicum.** Miller. (*Dict. I. Nr. 2. 1768.*) Tuber horizontale-oblongum. Petiolus spathifer breviter-vaginatus. Lamina fol. late-hastata, l. anguste hastato-saggittata; viridis nitidula; viridis maculis irregularibus cinerascentibus subopaca; viridis venis primariis flaventibus effusa flavescentia comitatis, lucidis! Pedunculus petiolo multo brevior. Spathae tubus intus albus, margi-

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nem exteriorem versus sordide-purpurascens; lamina late-oblonga, acuminata, virens, flavens, immo ferrugine dilutissime tincta. Spadix mediam spatham circiter attingens, interdum vero media multo-brevior. Appendix stipitata, stipite cylindrico flavido; clava digitiformi lutea stipite duplo longiore, basi fere abrupte incrassata. Ovaria ovoidea, pallidissima ex toto, horizontaliter exserta. Antherae connectivum haud productum. Organa neutra flaventia, inferiora bulbo et subula leviter verruculosa, superiora bulbo et subula evidentius-verrucosa. — Europa australis. — *v. s. et v.*

12. **Numidicum**. *S. (Synops. I. p. 10. 1856.)* Tuber horizontale, oblongum. Petiolus spathifer breviter-vaginatus. Lamina fol. hastato-sagittata. Pedunculus petiolo multo brevior. Spathae tubus intus albus; lamina oblongo-elliptica, acuminata, albida. Spadix dimidiam spatham haud excedens. Appendix stipitata, stipite cylindrico, pallide-sulfureo, clava digitiformi flava stipite plus duplo longiore ex illo subsensim l. subrepentino incrassata. Ovaria ovoidea, pallidissima ex toto, horizontaliter exserta. Antherae connectivum haud productum. Organa neutra pallide-flaventia, inferiora, et superiora pleiocycla bulbo verruculoso, subulis laevigatis. — Algeria. — *v. s. ex Algeria miss. et cult.*

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13. **Canariense**. Webb. *(Hist. Canar. Sect. II. p. 293)*. Tuber . . . . Petiolus spadicifer . . . . Lamina fol. hastata, lobis posticis angustis. Pedunculus petiolo brevior? Spathae tubus intus . . . . lamina ovato-oblonga, acuminata . . . . . Spadix laminae medium haud attingens. Appendix stipitata, stipite (submaculato, ex sicco) cylindrico; clava cylindroidea obtusa stipitem aequans. Ovaria obovoidea, horizontaliter porrecta. Antherae connectivum . . . . Organa neutra . . . . superiora polycycla. — Teneriffa; Madeira. — *v. s.*

*Synon.* Ar. maculatum. Mason.

** *Mediterraneo-Orientalia.* Spatha lata, oblonga, acuminata. Spadix laminae medium attingens l. superans, appendice conico-digitiformi, breviter-stipitata.

14. **concinnatum**. *S. (Icon. Aroid. t. 39 et 40. 1859)*. Tuber oblongum, horizontale. Petiolus spathifer breviter-vaginatus. Lamina fol. late sagittato-hastata maculis griseis sparsis picta Pedunculus petiolo multo brevior. Spathae tubus intus albus margine exteriore et apice purpureo pictus; lamina late-oblonga, acuminatissima, flavovirens, juxta margines utrinque purpurascens, venis virentibus exceptis. Spadix mediam spatham non metiens. Appendix stipitata, stipite cylindrice-obconico, luteo; clava digitiformis, stipite quintuplo longior, basi subabrupte incrassata, flava. Ovaria

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ovoidea, albida, horizontaliter-porrecta. Antherae absque connectivo prominulo in spica brevi. Organa neutra lutea, inferiora pleio-, superiora polycycla, omnia in bulbo et subula dense-verrucosa, fere echinato-verrucosa. — Syra. — *v. v. cult. e Syra miss.*

15. **Nickellii.** *S.* Tuber oblongum horizontale. Petiolus spathifer breviter vaginatus. Lamina fol. anguste hastato-sagittata, maculis griseis sparsis ornata. Pedunculus petiolo multo brevior. Spathae tubus intus albidus, margine exteriore et apice purpureo tinctus, lamina late-oblonga acuminatissima, flavovirens, juxta margines utrinque purpurascens, venis virentibus exceptis. Spadix mediam spatham non superans. Appendix stipitata, stipite cylindrico luteo, subpurpurascente; clava digitiformis, stipite 2—4-plo longior basi subabrupte incrassata, lutea. Ovaria ovoidea, albida, horizontaliter exserta. Antherae absque connectivo prominulo, in spica brevissima. Organa neutra lutea, inferiora dicycla, in bulbo minute sparseque verruculosa, superiora in bulbo verticaliter-echinata. — ex Oriente. — Zelebor. — *v. v. cult.*

16. **marmoratum.** *S.* Tuber oblongum, horizontale. Petiolus spathifer breviter-vaginatus. Lamina fol. late-hastato-sagittata maculis supra irregularibus, sat majusculis, ex griseo viridibus, flavo-virentibus, albide-viri-

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dibus et albide-flavis marmorata. Pedunculus petiolo multo brevior. Spathae tubus intus albus, ex apice medium versus, amoene-purpureus; lamina late-oblonga, acuminata, sordide flavo-virens purpureo gradatim deliquescente ad basin tincta. Spadix spatha tertia parte brevior. Appendix stipitata, stipite cylindrico, flavo l. purpureo; clava digitiformis stipite 3- plo 4-plove longior, basi abrupte incrassata, flava l. sordide-purpurascens. Ovaria ovoidea, albo-virentia l. pallide-flava cum zona purpurea angusta circum stigma, horizontaliter exserta. Antherae absque connectivo prominulo in spica brevi. Organa neutra flava, inferiora minutissime-verruculosa et superiora echinulata in bulbo subtricyclo. — Naxos. — *v. v. cult. ex insula Naxos miss.*

17. **Byzantinum.** Clus. Blume. Tuber longum, horizontaliter procrescens, tuberculis lateralibus crebris auctum. Petiolus spathifer longe-vaginatus, viridis l. purpurascens in diversis plantis. Lamina fol. latiuscule hastato-sagittata, maculis conspersa, juvenculae nigris, adultae glauco-viridibus. Pedunculus medium petiolum attingens. Spathae tubus intus albidus, in fauce deliquescenter purpuratus; lamina ovato-lanceolata acuminata, in viride-petiolatis stirpibus plus minusve purpurascens, in purpureo-petiolatis viridis. Spadix duplo fere spatha brevior. Appendix stipitata, stipite cylindrico, viride-

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petiolatarum stirpium sordide-purpurante. purpurascenter petiolatarum flavo; clava digitiformis, stipite triplo longior, basi repentino incrassata, viride-petiolatarum stirpium helvola, reliquorum flava. Ovaria ovoidea; pallidissime virentia l. flavo-virentia, horizontaliter exserta. Antherae absque connectivo prominulo, virid. speciminum magis violascentes, violascentium flavae. Organa neutra inferiora et superiora conformia, bulbo fere glabrato, tricycla. — Creta. — *v. v. cult. e Creta miss.*

c. *Subsectio Dischroochiton.* Spatha disco virens, marginem versus plus minusve ex sordide-rubro colorata. Tuber rotundatum.

* *Orientalia.* Spatha sub-elongata. Spadicis appendix cylindroidea, obtusata.

α. Appendicis stipite haud manifeste distincto.

18. **consobrinum.** *S.* Tuber . . . Petiolus spathifer breviter-vaginatus. Lamina fol. hastata. Pedunculus petiolo multo brevior. Spathae tubus intus . . . . . lamina elongato-oblonga, acuminata? Spadix laminae medium non attingens. Appendix longe-stipitata, sensim in clavam haud crassam auctus, absque limite distincta. Ovaria ovoidea, horizontaliter protensa . . . . . Antherae . . . . . Organa neutra . . . . . , superiora pleiocycla . . . . . — Caucasus. — *v. s. specim. spontan. in Herb. Horti Petropol.*

β. Appendicis stipes distinctus longus.

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19. *Orientale.* Bieberst. *(Flora II. p. 407. 1808.)* Tuber oblongum horizontale? Petiolus spathifer breviter-vaginatus. Folii lamina hastata l. sagittato-hastata. Pedunculus petiolo multo brevior. Spathae tubus intus albidus, medio zona purpurante, interdum obsoleta; lamina oblonga, acuminata, fusco-purpurans, l. in margine tantum fuscescens. Spadix apice mediam laminam attingens. Appendix longe-stipitata, stipite subcylindrico; clava subrepentino-incrassata, cylindroidea purpurans, stipite duplo longior. Ovaria ovoidea, horizontaliter exserta, annulo purpureo circum stigma donata. Antherae connectivum non productum. Organa neutra . . . . superiora pleiocycla. — Caucasus. — Bieberstein. — *v. s. in plur. Herbariis.*

20. **Nordmannii.** *S. (Synops. I. 12. 1856.)* Tuber . . . . Petiolus spathifer breviter-vaginatus. Folii lamina elongato-hastata. Pedunculus petiolo multo brevior. Spathae tubus intus . . . . lamina oblonga valde-acuminata . . . . Spadix duas tertias spathae saepe superans. Appendix longe-stipitata, stipite subcylindrico; clava subsensim incrassata, cylindroidea, stipitem duplo non superante. Ovaria ovoidea, horizontaliter exserta, . . . . Antherae . . . . Organa neutra . . . . ; superiora oligocycla. — Tauria. — Nordmann. — *v. s. specim. spontan. in Herb. G. Berol.*

21. **incomptum.** *S.* Tuber . . . . Petiolus spathi-

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fer breviter?-vaginatus. Lamina fol. sagittato-hastata, immaculata. Pedunculus petiolo brevior. Spathae tubus intus . . . . ; lamina lanceolato-oblonga, acuminata. Spadix ultra laminae medium productus. Appendix stipite cylindroideo (maculato?), in clavam paulo crassiorem cylindroideam quoque, subrepentino transgrediente. Ovaria ovoidea subhorizontaliter porrecta. Antherae . . . . Organa neutra . . . . . superiora pleiocycla, longissima. — Erzerum, (Mons Zorab, in Herb. Hookeri). — *v. s. specim. spontan.*

22. **albispathum.** Steven. *(Bull. Soc. de Moscou. 1857. T. 30. Nr. 3. p. 66).* Tuber . . . Petiolus spathifer breviter-vaginatus. Lamina fol. hastato-sagittata l. sagittato-hastata. Pedunculus petiolo multo brevior. Spathae tubus intus . . . . . ; lamina oblonga, acuminata, albida. Spadix mediam spatham haud attingens. Appendix stipitata, stipite cylindrico . . . ; clava cylindrice-oblongula, stipitis longitudine, basi subabrupte incrassata, apice rotundato-obtusata. Ovaria ovoidea, pallide-virentia, horizontaliter exserta. Antherae-connectivum haud productum. Organa neutra . . . . superiora-pleiocycla, . — Tauria. — Steven.— *v. s. spec. spont.*

23. **gratum.** *S. (Synops. I. p. 11. 1856).* Tuber depressum. Petiolus spathifer longius vaginatus. Lamina fol. sagittato-hastata, immaculata. Pedunculus petiolo brevior. Spathae tubus intus in fundo virescens reliqua par-

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te saturate-purpureus; lamina ovato-oblonga acuminata amoene flavo-virens, purpureo vario modo picta. Spadix mediam laminam superans. Appendix stipitata, stipite cylindrico, clava cylindroidea, obtusa, stipite triplo longiore, basi abrupte-incrassata, cum stipite atro-purpurea. Ovaria ovoidea pallide flavo-virentia, annulo angusto purpureo praedita l. destituta, horizontaliter exserta. Antherae connectivum haud prominulum. Organa neutra flaventia bulbo, pallide violascentia subula, inferiora minus verrucosa, superiora subpolycycla in subulas usque verrucosa. — In Tauro Ciliciae. — Kotschy. — *v. v. cultum.*

** *Europae mediae.* Spatha vix elongata. Spadicis appendix subconoidea, acutata longule-stipitata.

24. **Besserianum.** *S. (Oestr. B. Ztschr. 1858. p. 349.)* Tuber . . . Petiolus spathifer brevitervaginatus. Folii lamina plus minusve sagittata. Pedunculus petiolo paulo brevior. Spathae tubus intus . . . . ; lamina lanceolato-oblonga, subacuminata . . . . Spadix mediam laminam fere superans. Appendix longe stipitata, stipite cylindrico, clavam subsensim incrassatam, inferne crassiorem, subaequante. Ovaria ovoidea, horizontaliter producta . . . . Antherae . . . . Organa neutra . . . . . superiora polycycla—Volhynia. — Besser. — *v. s. in variis Herbariis, a Bessero communicatum.*

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25. **intermedium.** Schur. *(Sertum.)* Tuber rotundatum. Petiolus spathifer breviter-vaginatus. Lamina fol. plus minusve hastato-sagittata. Pedunculus petiolo parum brevior. Spathae tubus intus . . . . ; lamina lanceolato-oblonga, acuminata . . . . Spadix mediae circiter laminae longitudine. Appendix longe-stipitata, stipite cylindrico, inferne organis neutris sparse exsertis obsitus; clava subsensim incrassata, subconoidea, obtusa, tenui stipitem aequante. Ovaria ovoidea, horizontaliter-protensa . . . . Antherae . . . Organa neutra superiora plurima in stipite extense distributa, remote-polycycla et dispersa. — Transylvania. — Schur. — *v. s. exemplar a Schurio mecum communicatum.*
*Synon.* Ar. gracile *Unverricht.*

26. **alpinum.** *S. ( Linnaea p. 15. 1851.)* Tuber depressum; Petiolus spathifer altius vaginatus. Lamina fol. sagittata. Pedunculus petiolum subaequans. Spathae tubus intus excepto imo albo purpureus; lamina ovata longe-acuminata, disco albo-virente; marginibus lacte purpurascentibus. Spadix purpurascens tertiam spathae partem attingens, cylindroideus, tenuis, vix apicem versus paululo incrassatus, stipite nullo distincto sed alte organis neutris copiosissimis tectus. Ovaria ovoidea, pallide-virentia, horizontaliter exserta. Antherae absque connectivo prominente. Organa neutra rectiuscula, horizontaliter patentia, flaventia, inferiora et supe-

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riora plurima in bulbo verruculosa, subula laevi. — Transylvania, Kotschy. — *v. v. cultum.*

27. **maculatum** *L.* Tuber depressum. Petiolus spathifer breviter-vaginatus. Lamina fol. sagittato-hastata, supra maculis nigris irregularibus conspersa. Pedunculus petiolo brevior. Spathae tubus intus in fundo albidus, a medio apicem versus zona purpurea notatus; lamina oblongo-ovata, acuminata, intus maculis irregularibus, ex nigro-purpurantibus hinc inde conspersa. Spadix spathae medium vix attingens. Appendix stipitata, stipite subcylindrico pallido; clava subrepentino e stipite incrassata, oblongula a basi sensim attenuata, obtusula, stipite duplo longiore, livescente. Ovaria ovoidea, pallida l. pallide-flaventia, horizontaliter exserta, annulo purpureo angustissimo circum stigma instructa. Antherae connectivum prominulum. Organa neutra flavicantia inferiora bulbo leviter verruculoso, superiora oligocycla bulbo manifestius verruculoso, setis l. subulis laevibus. — Patria? — *v. s. et v. cultum.*

28. **immaculatum**. *S.* Tuber depressum. Petiolus spathifer breviter-vaginatus. Lamina fol. sagittato-hastata, semper immaculata. Pedunculus petiolo brevior. Spathae tubus intus in fundo albidus medio zona purpurea notatus; lamina ovata, acuminata, intus virescens l. margine sordide-purpurascens maculis

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nunquam notata. Spadix mediam spatham superans. Appendix stipitata, stipite cylindrico pallide-flavo l. luteo-ochraceo; clava subrepentino incrassata, oblongula, a basi medium versus leviter incrassata et denuo attenuata, obtusa, stipite paulo longiore, flavente l. ochraceo-lutescente. Ovaria ovoidea, pallide-virescentia, horizontaliter-exserta. Antherae connectivo non prominulo. Organa neutra flaventia, inferiora et superiora pleiocycla in bulbo verruculosa, subulis sublaevibus. — Austria, etc. — *v. v.*

*Synon.* Arum maculat. var. immacul. Reichenb.

*** *Europae australioris.* Spatha dilatata, brevis. Spadicis appendix e stipite sensim incrassata.

29. **Malyi.** *S.* Tuber horizontale oblongum. Petiolus spathifer breviter-vaginatus. Lamina fol. sagittata, immaculata. Pedunculus petiolo multo brevior. Spathae tubus intus albido-virens, medio zona dilute-purpurante notatus; lamina lanceolato-oblonga, longe-acuminata, flavo-virens, margine et in disco pallide- l. saturatius-purpureo suffusa. Spadix mediam spatham vertice non attingens, tubo spathae duplo circiter longior. Appendix stipitata, stipite cylindrico, (tereti), pallide-violaceo, quam clava subrepentino incrassata, obtusata, saturate-purpurea duplo longiore. Ovaria ovoidea subhorizontaliter prolata, ex toto pallide-flava.

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Antherae connectivo non prominulo. Organa neutra bulbo verruculoso flavo, (superiorum polycyclorum evidentius), subula l. seta laevigata flava, summo apice tantum purpurante. — Montes nigri, Dalmatiae vicini. Maly — *v. v. cult. et s. spontan.*

30. **Zelebori** *S.* Tuber . . . . . Petiolus spathifer breviter-vaginatus. Lamina fol. sagittato-hastata, immaculata. Pedunculus petiolo brevior. Spathae tubus intus flavo-virens, medio zona dilute-purpurante notatus; lamina late oblongo-ovata, acuminata, pallide-virescens, marginem versus pallido-purpureo suffusa. Spadix mediam spatham non attingens. Appendix stipitata, stipite sensim in clavam accrescente, appendicem exacte clavatam violaceam conformante. Ovaria ovoidea subhorizontaliter prolata, circum stigma zonula angusta purpurante praedita. Antherae connectivo non prominulo. Organa neutra bulbo verruculoso flavo, (superiorum pleiocyclorum evidentius-), subula l. seta laevigata violascente. — Serbia. Zelebor — *v. v. cult. et e Bosnia siccum.*

**Sectio II.** Vagina petioli spadicigeri prolongata. Pedunculus longus. Tuber rotundatum.

* *Europaea.* Spatha latiuscula. Spadicis appendix crassa.

31. **Creticum** Boiss. *(Diagn. XIII. p. 9. 1853.)* — Tuber . . . . . Petiolus spathifer alte-

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vaginatus. Lamina fol. hastato-sagittata. Pedunculus petiolum fere superans et saepe superans. Spathae tubus intus . . . . . ; lamina lanceolato-oblonga, acuminata . . . . . Spadix mediam spatham superans. Appendix indistincte stipitata, ex imo tenui medium versus incrassata et deinde conice-attenuata. Ovaria ovoidea, subhorizontaliter exserta, ovulis multis sub- 4-serialibus. Antherae connectivo non prominulo in spicam cylindroideam congestae. Organa neutra inferiora brevia, pluscula, superiora ut plurimum deficientia, verruculis indicata, rarissime dicycla brevissime-exserta. — Creta Boissier. — *v. s. specim. e loco natali plurima.*

32. **Petteri**. *S. (Synops. I. p. 12. 1856.)* Tuber rotundatum depressum. Petiolus spathifer alte-vaginatus. Lamina fol. hastato-sagittata, opaca. Pedunculus petiolum fere superans. Spathae tubus intus in fundo albidus, reliqua parte atropurpureus; lamina oblonga, acuminata, disco flavo-virens l. albido-virens, marginibus late-purpureis. Spadix spathae medium superans. Appendix stipitata, stipite cylindrico brevi; clava conoidea obtusa, stipite 6—7-ties longiore inferne repentino-incrassata ut stipes atropurpurea l. atropurpureo-brunnea. Ovaria obovoidea, pallide-flava l. pallide flavo-virentia, horizontaliter-exserta. Antherae connectivum non prominulum. Organa neutra

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in bulbo verruculosa, superiora subdicycla magis. — Dalmatia. Maly. — *v. v. cult.*

33. **longispathum** Rchnb. *(Ic. Fl. Germ. Cent. VII. p. 5. t. 10. 1844.)* Tuber rotundatum, depressum. Petiolus spathifer brevissime-vaginatus. Lamina fol. hastato-sagittata. Pedunculus petiolum fere superans. Spathae tubus intus albus, apice tantum purpurascens; lamina lanceolata, longe-acuminata, ex albido-virens, interdum brunneo-purpurans. Spadix $^2/_3$ spathae, interdum et longior. Appendix stipitata, stipite cylindraceo, brevi pallido; clava digitiformi, obtusa, inferne repentino incrassata, rubella, tandem ferrugineo tincta, stipite 5—6-ies longior. Ovaria obovoidea, pallida, horizontaliter prolata. Antherae connectivum non prominens. Organa neutra in bulbo verrucosa (superiora magis-) in subula lavigata, superiora pleiocycla. — Dalmatia. Montenegro! Maly. *v. v. cult. et s. spoutan.*

** *Orientalia.* Spatha diminuta. Spadicis appendix tenuis.

34. **rupicola** Boiss. *(Diagn. XIII. p. 7. 1854.)* Tuber rotundatum, depressum. Petiolus spathifer longissime-vaginatus. Lamina fol. sagittato-hastata. Pedunculus petiolum superans. Spathae tubus intus pallidus; lamina lanceolata, acuminatissima, margine saepe crispato-undulata, pallide-virens marginibus late purpurantibus l. inferne ex toto purpurans, apice tantum virescens. Spadix

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ultra mediam spatham ad $^2/_3$ ejus longitudinis productus. Appendix stipitata, stipite subobconico, brevi, purpureo; clava subulato-conica, obtusula, inferne repentino incrassata, primum coccinea, dein livescente sordide-badia, stipite sub-decies longiore. Ovaria obovoidea, pallida, horizontaliter exserta. Antherae connectivum non prominens. Organa neutra bulbo verrucosa (inferiora minus), subula laevigata, superiora subdicycla. — Taurus Ciliciae. Boissier, Kotschy. — *v. s. exempl. a Celeb. Boissier benevole communicata et v. culta.*

35. **conophalloides** Kotschy *(in litteris)* — Tuber rotundatum, depressum. Petiolus spathifer longe- et ample-vaginatus. Lamina fol. sagittato-hastata. Pedunculus petiolo multo longior. Spathae tubus intus albus, apice tantum purpurascens; lamina elongato-lanceolato-oblonga, cuspidato-acuminata, extus virens, intus violascenti-purpurea. Spadix spatha plus minusve brevior. Appendix brevissime stipitata, stipite crasso, ut clava tereti-conoidea, obtusa, crassa subrepentino e basi incrassata, violaceo-purpureo. Ovaria obovoidea, viridula, arrecta, zona purpurea circum stigma notata. Antherae purpureo-violaceae, connectivo haud prominulo. Organa neutra in bulbo flavo verruculosa, in subula laevigata purpurantia, inferiora polycycla, superiora 2—3-cycla. — Cataonia, Gorumse. Kotschy —

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*v. s. specimin. spontan. et delineationem l. natali exstructam.*

36. **hygrophilam.** Boiss. *(Diagn. XIII. p. 8. 1854.)* Tuber obliquatum haud depressum, turionem verticaliter exserens. Petiolus spathifer longe-vaginatus. Lamina fol. sagittato-hastata. Pedunculus petiolo brevior l. longior. Spathae tubus intus basi albidus, pallidus l. virescens, apice purpurascens; lamina oblongo-lanceolata, acuminata l. longe acuminata, pallide-virens l. albido-virens, extimo margine purpureo limbata. Spadix mediam spatham saepe superans. Appendix indistincte stipitata, stipite colore pallide-purpurascente indicato; clava cylindroideo-subulata tenui parte superiore atropurpurea. Ovaria ellipsoidea in stylum cylindroideum brevem, sed manifestum producta, pallide virentia, annulo purpureo angusto circum stigma aucta, arrecta. Antherae connectivum prominulum verruculis praecipue indicatum. Organa neutra inferiora bulbo albido et subula purpurascente, laevia; superiora bulbis et subulis inferne verrucosis purpurantibus. — Cilicia etc. Boissier, Kotschy. — *v. s. et v. cult.*

37. **Kotschyi.** Boiss. et Hohenack. *(Diagn. XIII. p. 8. 1854.)* Tuber . . . . . Petiolus spathifer breviter-vaginatus. Lamina fol. sagittata, lobis brevibus. Pedunculus petiolo longior. Spathae tubus intus . . . . . ; lamina lanceolata acuminata. . . . . .

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Spadix mediam spatham superans. Appendix stipitata, stipite cylindraceo; clava stipite longiore e basi medium versus subsensim leviterque incrassata, apicem versus denuo attenuata obtusula. Ovaria obovoidea, horizontaliter exserta. Antherae connectivum haud prominulum. Organa neutra . . . . . superiora pleiocycla. — Persia Kotschy — *v. s. a Celeb. Boissier communicat.*

38. **Jacquemontii.** Blume *(Rumph. I. p. 118. 1835.)* Tuber . . . . . Petiolus spathifer longissimus. Lamina fol. cordato-hastata, subacuta. Pedunculus petioli longitudine. Spathae tubus intus . . . . . ; lamina lanceolata, acuminatissima, virescens. Spadix spatha paulo brevior. Appendix in clavam cylindricam, obtusam purpureo-fuscam, calamum scriptorium crassitie vix aequantem desinens. Ovaria subglobosa . . . . . Organa neutra . . . . . superiora: aliquot corpuscula minora ovoidea pariter in setam desinentia. — India or. *(ex descrpt. Blumeana.)*

39. **Griffithii.** *S. (Synops. I. p. 15. 1856.)* Tuber depressum. Petiolus spathifer . . . . . Lamina fol. hastato-oblonga. Pedunculus petioli l. folii longitudinis. Spathae tubus intus . . . . . ; lamina . . . . . livide-purpurea, . . . . . Spadix stipitatus, stipite brevi; clava cylindroidea stipite 3-plo? longior . . . . . Ovaria obovata,

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sursum vergentia. Organa neutra, remota, inferiora pauca, superiora sub- 4-cycla. — Afghanistan Griff. — *(ex descriptiuncula Griff. et exemplari manco Herb. Hooker.)*

Vix cognita.

40. **elongatum** Steven. Folia hastato-sagittata, lobo medio lateralibus 4-plo longiore. Spatha fusca, acutissima. Spadicis clava pedunculo suo (stipite?) multoties longior. — Tauria Steven.

Affinis A. orientali, clava sine pedunculo 4—5″ longa, quae in illa vix sesquiunciam attingit. Spatha mox duplo mox sesquilongior spadice, 10 — 12 pollices longa, evoluta vix 2 pollices lata. Steven.

41. **cylindricum** Gasparini *(in Gussone Syn. II. p. 597 —)*.

42. **Pyrenaeum** Dufour. Folii lamina triangularis, cordata, lobis rotundatis. Spatha praelonga spadicem excedens. Aro italico major. Spadicis appendix atropurpurea, spatha dimidio brevior. Spatha vinoso-purpureo-viridis. *(ex Lapeyrouse.)*

43. **Walteri** Cui? *(Bonplandia. 1855. p. 195. — nomen!)*

Excludenda.

**Abyssinicum** Richrd. = Saurom. Abyss. *S.*
**angulatum** Griff. = Heterost. flagellif. *S.*
**Carsaami** Rauwolff. = Ischarum Carsaami *S.*
**Colocasia** Fl. Flum. = Xanthos. sp.

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**cordifolium** Bory. = Alocas. Indica, var. *S.*
**crassipes** Boiss. = Helicophll. crassip. *S.*
**crinitum** Ait. = Helicodic. crin. *S.*
**decurrens** Blanco. = Amorph. dec. Knth.
**Dioscoridis** Boiss. = Ar. syriac. (ex parte).
**Dioscoridis** *S.* Synops. = A. spectabile *S.*
**Dracontium** Fl. Flum. = Asterostig. Luschnathian. *S.*
**esculentum** Fl. Flum. = Xanthos. sp.
**exiguum** Blume. = Arisar. Veslingii *S.*
**flagelliferum** Griff. = ? Arisaema sp.
**flagelliforme** Griff. = Heterost. flag. *S.*
**flavum** Forsk. = Arisaema flavum *S.*
**gracile** Unver. = A. intermed. Schur.
**gramineum** Russel. = Biarum Russel. *S.*
**Indicum** Lour. = Leucocas. gigantea *S.*
**Indicum** Roxb. = Alocasia Ind. *S.*
**intortum** Russel. = ? Helicophyll. Russelian. *S.*
**Italicum** Sieber, Creta. = A. concinnat. *S.*
**longicirrhum** *S.* Syn. = A. hygroph. Boiss.
**maculatum** Host. = A. immacul. *S.*
**maculatum, var. immacul.** Rchnb. = Ar. immacul. *S.*
**nigrum** Fl. Flum. = Xanthos. sp.
**obtusilobum** Link. = Colacas. obtus. Knth.
**orientale** Besser. — A. Besserian. *S.*
**orientale** Visiani. = A. Petteri. *S.*
**pentaphyllum** Fl. Flum. = Acontias 5-ph. *S.*
**peregrinum** *L.* Alocasia. sp.
**pictum** *L.* = Gymnomes. pict. *S.*
**rapiforme** Roxb. Alocasia rapiformis *S.*

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**Syriacum** Spr. = Biarum Russelian. *S.*
**vermitoxicum** Fl. Flum. = Calad. sp.
**Virginicum** Blume.=Peltandr. Virg. *Rafin.*
**viviparum** Griff. = ? vix Arum.
**sp.** Griff. It. N. II. p. 77. W. 1147 = Arisaema.
**sp.** Griff. It. N. II. 350 Nr. 109=A. Griffithii *S.*
**sp.** Griff. It. N. III. p. 144. =? Gonatanth. Griffithii *S.*

**SUBTRIBUS HELICOPHYLLINAE.** *S.* Spathae tubus convolutus. Spica mascula elongata, ab ovariis remota, (in Helicodicerote tamen approximata), feminea plus minusve extensa. Antherae rimulis aperientes. Ovaria pauciovulata, ovulis l. fundo, l. tholo, l. et fundo et tholo in eadem cavitate affixis, erectis ergo, l. pendulis. Organa neutra inferne non bulbosa. Baccae diversicolores?

Folia proteranthia.

**THERIOPHONUM.** Blume. Spadix supra ovaria interstitio nudo. Organa neutra conformia, inferiora aggregata, antheris contigua; superiora antheris contigue adposita minus evoluta, sparsiora, longo spatio exserta. Antherae connectivum rostratum. Ovula pluscula, partim tholi-, partim fundifixa in una eademque cavitate.

1. **crenatum.** Blume. (*Rumph. I. p. 128. 1835.*) Folii lamina hastato-triangularis, margine crenulato-crispula, venis interlobariis solitariis. Spathae lamina elliptica, obtusiu-

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scula, crispato-crenulata, rubro-limbata. Spadix spatha duplo brevior. Interstitium nudum, ut organorum sterilium inferiorum rhachis, ovarii longitudine. Antherarum breviter rostratarum spica, sicut et illa pars appendicis organis neutris gradatim brevioribus occupata, ovariis quintuplo fere longior. Appendix subcylindroidea. — India orientalis. — Heyne. — *v. s. specim. spontan. in Herb. Horti. Petrop. et Hafn.*

2. **Wightii.** *S. (Oester. B. Ztr. 1858 p. 3.)* Folii lamina hastato-triangularis, margine crenulata, venis interlobariis duabus, tribus. Spathae lamina elongato-elliptica, obtusula, margine crispula? rubro-marginata. Spadix spatha plus duplo brevior. Interstitium nudum ovariis subaequans. Organorum neutrorum inferiorum rhachis ovariis duplo et ultra longior. Antherarum longe-et robuste-rostratarum sicut et organorum sterilium supremorum longulorum spica ovariis triplo tantum longior. Appendix clavato-cylindroidea. — Madras. Wight. — *v. s. sp. spont. in Herb. Wightii.*

3. **Kleinii.** *S. (Oestr. B. Ztschr. 1858. p. 3.)* Folii lamina hastato-triangularis, margine crenulata, venis interlobariis solitariis? — Spathae lamina obovato-elliptica, cuspidato-apiculata, margine rubro-crispata. Spadix spatha duplo brevior. Interstitium nudum ovariis subsesquilongius. Organorum neutrorum infimorum rhachis ovariis brevior. An-

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therarum breviter?- et tenuiter?- rostratarum spica ovariis ferequadruplo, organorum sterilium supremorum rhachis vero vix triplo longior. Appendix conoideo-cylindroidea. — Ind. or. — Klein.—*v. s. in Herb. Wild. a Kleinio miss.*

**TAPINOCARPUS.** Dalzel. Spadix supra ovaria interstitio nudo. Organa neutra conformia, inferiora congregata, ab antherarum spica remota; superiora antheris contigua, minus evoluta, pauca, sparsa. Antherae connectivum non procedens. Ovula pluscula tholi-et basifixa in eadem cavitate.

1. **Dalzelii.** *S.* Folii lamina sagittata ; l. lobis extrorsum retrorsis; l. hastata: lobis angustis oppositis; l. hastata: lobis brevissimis, principali lanceolato-lineari. Pedunculus petiolo paulo l. vix brevior, tandem recurvus. Spatha lanceolato-oblonga, longe-acuminata, purpurea. Spadix supra antheras geniculatus, spatha brevior, appendice tenuissime-cylindroidea, erecta, pallide-purpurascente. — Bombay. — Dalzel. — *ex icone Dalzeli et speciminibus Herbarii Hookeriani.*

**CALYPTROCORYNE.** *S.* (Blume.) Spadix interstitio nullo nudo supra ovaria instructus. Organa neutra conformia inferiora congregata, ovariis contigua, ab antherarum spica longe-remota; superiora nulla. Antherae connectivum haud prominulum. Ovula pluscula, tholi-et fundifixa ejusdem cavitatis.

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1. **Wightii.** *S. (Oestr. B. Wchnbl. 1857. p. 262.)* Folii lamina hastato-sagittata, lobis posticis brevibus; antico saepe elongato. Pedunculi petiolo multo breviores, graciles. Spathae lamina lanceolata, acutata, angusta. Spadicis interstitium ab ovariis ad antheras praelongum, parte nuda elongata. Appendix stipitata, stipite longulo; clava fusiformi 5—6-ies longiore. — Ind. or. — Wight. — *ex speciminibus Herb. Wightii.*
2. **minuta.** *S.* (Blume. *Rumph. I. 135. 1835.)* Folii lamina oblongo-ovata, basi subsagittato-cordata. Pedunculus petiolo brevior. Spathae lamina oblongula, obtusa. Spadicis interstitium ab ovariis ad antheras longum, parte nuda illa organorum neutrorum vix longiore. Appendix stipitata, stipite brevissimo; clava conoidea, multoties longiore. — Ind. or. *(ex icone Rhedii.)*

D u b i a.

3. **Cochinchinensis.** *S.* (Blume. *Rumph. I. p. 135. 1835.)* Folia cordato-oblonga, subacuta. Spatha superne cucullata spadicem curvatum superans.—Cochinchina.—Loureiro.— *(ex indicatione Blum. in Rumph.)*

**TYPHONIUM.** *S.* Spadix interstitio nudo nullo supra ovaria. Organa neutra inferiora aggregata, conformia, ovariis arcte-contigua, ab antherarum spica remota; superiora nulla. Antherae connectivum non exsertum. Ovulum unicum fundifixum, (raro 2).

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1. **bulbiferum**. Dalzel. Lamina fol. hastata, valde-acuminata, petiolo summo apice tuberculifero sustenta. Spathae lamina angusteimmo peranguste lineari-lanceolata, acuminata. Spadicis lamina paulo brevioris organa neutra pauca arrecta; appendix subulata. — Concan. — *ex speciminib. Herb. Hooker, a Dalzelio communicatis.*

2. **divaricatum**. Blume. *(Rumph. I. p. 130. t. 36. a. 1835.)* Lamina fol. sagittato-hastata, acutata l. acuminata. Spathae lamina ovata longe-acuminata, atropurpurea. Spadicis organa neutra subulato-lingulata, arrecta, appendix subulata longissima. — Ind. or. in Chinam usque. — *ex vivo.*

3. **Motleyanum**. *S.* Lamina fol. hastato-triangularis, cuspidata. Spathae lamina oblonga acuminata, atropurpurea. Spadicis organa neutra subulata horizontaliter exserta, apice tantum recurva, appendix subulata, longissima. — Amboina. — Dolesch al. — Borneo. — Motley. — *v. s.*

   *Observ.* Venae principales lobi antici folii laminae plures cum vena interlobari conjunctae.

4. **Roxburghii**. *S. (Aroid. I. p. 12. 1855.)* Lamina fol. trilobato-hastata, acuminata. Spathae lamina ovata, longe-acuminata, atropurpurea. Spadicis organa neutra . . . . arcte refracta, appendix subulata longissima. — Ind. or. — *ex sicco et iconibus.*

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5. **Javanicum**. Miq. *(Bot. Zeit. Linn. 1856. p. 563.)* Lamina fol. hastata, acuta l. acuminata, partitionib. l. lobis posticis fere dittinctis inaequilate-ellipticis l. lanceolatis sursum versis. Spathae lamina oblongo-lanceolata acuminata . . Spadicis organa neutra . . arcte-refracta; appendix subulata, longissima. Java. — Miquel. — *ex sicco specim. spontan.*
   *Observ.* Huc pertinet Rumphii Arisarum Amboinicum. Bira Kitsjil.
6. **lilifolium**. Ferd. Müller. *(Hook. Jour. of Bot. 1856. p. 321.)* Lamina fol. e petiolo sub sensim dilatata, graminea, angusta, in acumen subulatum longe producta. Spathae lamina ovato-acumiuata. Spadicis organa neutra retrocurva; appendix crassula conoideo-subulata, basi oblique-truncata fere $^1/_3$ totius spadicis metiens, spatha multo brevior. Antherarum spica ab ovariis longe-remota. — Nova-Hollandia, Victoria-river, Arnhemsland.— Ferd. Müller—*v. s. specim. ab auctore mecum benevole communicatum.*
7. **Brownii**. *S. (Aroid. I. p. 11. 1855.)* Lamina fol. hastato-tripartita, partit. omnibus elongato-lanceolatis, acuminatis, lateralibus horizontalibus. Spathae lamina crassa late-ovata, acuminata. . Spadicis organa neutra patentia, apice recurva, pauciora; appendix fungiforme-conoidea, rugulosa, basi breviter-stipitata, oblique truncata, dimidium spadicis metiens, spatha multo brevior. — Nov.-Holland. — *ex delineatione Baueriana.*

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8. **trilobatum.** *S. (Wien. Zeitschr. III. p. 72. 1829.)* Lamina fol. lata, saepe ampla, triloba l. tri- et sub-5-loba, interdum tripartita, partitionibus lateralibus sursum porrectis lobulo plus minusve manifesto retroverso auctis. Spathae lamina ampla oblongo-ovata, acuminata, roseo- purpurascens. Spadicis organa neutra inferiora reversa, superiora sursum porrecta, saepe quasi intertexta; appendix crassa, subulato-conoidea, spatha multo brevior. — Ind. or. — *ex icone Roxburghiana et speciminibus siccis.*
9. **gracile.** Wight. *(Ic. III. 793. 1843.)* Lamina fol. tripartita, partitionibus lateralibus lobo subretrorso longulo auctis. Spathae lamina elongato-lanceolata, sensim angustata, acuminata. Spadicis vix lamina brevioris organa neutra arrecta revoluta; appendix subulata. Ind. or.—Roxb.—*ex icone Wightii.*
10. **pedatum.** *S. (Oestr. B. Wochenbl. 1857. p. 70.)* Lamina fol. pedatisecta, segmentis sub-7, anguste-lanceolatis, acuminatis. Spathae lamina (aperta non visa) . . . Spadicis . . . organa neutra erecta, polycycla; appendix subulata. — Pegu. — M. Lelland. — *ex speciminibus Herb. Hooker.*

Excludenda.

**Cochinchinense.** Blume. = Calyptrocoryne Cochinch. *S.*

**crassifolium.** Ledeb. = Eminium Ledebouri *S.*

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**cuspidatum.** Decaisne=Heterostalis flagelliformis *S.*

**discolor.** Hassk. null. Typhon. ob fol. peltat. et flor. ignot. *an?* Ariopsis??—l. Gonatanthus!

**divaricatum.** Knth. quoad plant. Blancoi ob stylos elong.

**diversifolium.** Wallich=Heterostalis diversif. *S.*

**flagelliforme** Wight.=Heterostalis flagelliform. *S.*

**hastiferum.** Miq.=Heterostalis flagellif. *S.*

**Huegelianum.** Schott. Aroid. = Heterost. Huegelian. *S.*

**minutum.** Schott. Melet. = Calyptrocoryne minuta *S.*

**Orixense.** Schtt. olim=Typh. trilobatum *S.*

**Reinwardtianum** de Vriese=Heterost. flagelliform. *S.*

**triste.** Griff. an? Typh. trilob. *S.*

**HETEROSTALIS.** *S.* Spadix interstitio nudo nullo supra ovaria. Organa neutra totum, inter spicam femineam et masculam spatium disperse occupantia, dimorpha, inferiora clavata, dilatata, superiora subulata; supra antheras nulla. Antherae connectivum haud prominulum. Ovulum unicum fundifixum, (raro 2).

1. **flagelliformis.** *S. (Oestr. B. Wchnbl. 1857. p. 261.)* Lamina fol. valde variabilis, sagittata, hastata, oblongula et basi vix cordata, triloba, tripartita; partitionibus latiori-

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bus angustioribusque, longioribus l. brevioribus, immo linearibus. Spathae lamina lanceolata in flagellum longissimum prolongata quandoque vero abbreviata et acuminata tantum. Spadix lamina brevior l. longior, interdum brevissimus, l. longissimus stipitatus, stipite brevissimo, clava conico-subulata. Organa neutra dilatata: medium interstitium inter ovaria et antheras inferne occupantia; subulata et recurvata: longa, reliquam partem. — Bengalia, Malacca, Java etc. — *e speciminibus plurimis spontaneis.*

*Synon.* Typhon. cuspidatum Decaisne.
Typhon. hastiferum Miquel.

2. **Huegeliana**. *S. (Oestr. B. Wchnbl. 1857 p. 261.)* Lamina fol. sagittata, hastata, triloba, tripartita immo 5 — 7-partita, partitionibus latiusculis l. angustissimis. Spathae lamina oblongo-acuminata. Spadix lamina paulo brevior, stipite brevissimo, clava subulato-conica, interstitio organa neutra gerente triplo et ultra longior. Organa neutra dilatata: brevissimum spatium juxta ovaria occupantia pauca l. paucissima; subulata: brevissima, plerumque verruciformia, reliquam interstitii partem obsidentia. Ovula interdum 2. — Masuri (Himalaia). — *e speciminibus Huegelian. etc.*
3. **diversifolia** *S. (Oestr. B. Wochbl. 1857. p. 261.)* Lamina fol. hastata, subtriloba, l. cordato- oblongo-ovata, acuta l. acuminata. Spathae lamina oblonga, acuminata. Spadix

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lamina multo brevior, stipite brevissimo, clava conoidea, atropurpurea, interstitio organa neutra gerenti aequilonga, obtusula. Organa neutra dilatata: apice lutea perpauca, ovariis contigua, monocycla; subulata: brevissima reflexa, fusco-purpurea reliquum interstitium occupantia. — Nepalia, Sikkim. — E speciminibus siccis et icone a Celeb. Hookeri, f. communicata.

4. **foliolosa** *S. (Oestr. B. Wochenbl. 1857. p. 261.)* Lamina fol. pedatisecta, segmentis ad 13, lanceolatis et anguste-lanceolatis, acuminatis. Spathae lamina acuminato-lanceolata. Spadix lamina vix multo brevior, stipite brevissimo, clava subulata, interstitio organa neutra gerenti duplo et ultra longior. Organa neutra dilatata: ovariis contigua, monocycla; subulata: verruciformia reliquum interstitium obsidentia.—Kamaon. Bleakworth. — *v. specim. e Herb. Hook.*

**EMINIUM** *S.* — Spadix interstitio nullo nudo supra ovaria. Organa neutra totum spatium inter ovaria et antheras disperse occupantia, conformia, subulata; supra antheras nulla. Antherae connectivo non prominulo. Ovula 2, fundifixa. Appendix laevigata. — Folia crassule-coriacea, sagittata. — Genus valde dubium. Species Blumeanae ab illo sub sectione Ari descriptae, et foliis hastatis indicatae, in statu evolutiore omnes foliorum lamina pedatisecta gaudent, ad Helicophyllum

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ergo revocandae. (Eminii sectio Boissieri. Arum Creticum includit.)

1. **Ledebourii** *S. (Aroid. I. p. 17. t. 22. 1835.)* Lamina fol. crassi sagittato-hastata, l. lanceolata l. anguste-lanceolata, basi sinu instructa l. obtusa, l. acutata; in hastatis inferne oblique-truncata, juxta petiolum lobulo fere aucta. Spathae tubus intus in fundo purpurascens, ceterum albidus. Spadix spatha $^1/_4$ brevior. Appendix cylindracea, longa. — Chiwae. (ex sicco.)

   *Synon.* Biarum Lehmanni Bunge.
   Typhonium crassifol. Ledebour.

Excludenda.

**Emin. heterophyll.** *S.* Syn. = Helicophyl. Aucheri. *S.*

**Emin. spiculat.** *S.* Syn. = Helicoph. spiculat. *S.*

**Emin. Rauwolffii.** *S.* Syn. = Helicoph. Rauwolffii *S.*

**Emin. Carsaamii.** *S.* Syn. = Ischar. Carsaamii. *S.*

**HELICOPHYLLUM** *S.* Spadix interstitio supra ovaria nudo nullo. Organa neutra per totum inter spicam femineam et masculam interstitium dispersa, conformia, subulata; supra antheras nulla. Antherae connectivum non prominens. Ovula 2 in fundo cavitatis. Appendix processubus neutris rugoso-muricata.

Folia membranacea, juniorum speciminum

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hastato-sagittata; vetustorum pedato l. potius intorto-pedatisecta.

1. **Rauwolffii.** *S.* Folii lamina (juvenculae?) hastato-triloba, lobis posticis lineari-lanceolatis, arrectis. Spatha 2-pollicaris, lamina ovato-lanceolata, acuminata. Spadix gracilis $1^1/_2$-poll. longus, clava semipollicari, cylindrica, obtusa, (crassitie pennae corvinae). Organa neutra brevia, appressa l. erecto-patentia. Blume. — Circum Aleppo. Rauwolff.

   *Synon.* Arum (Eminium) Rauwolffii. Blume.

2. **spiculatum** *S.* Folii (juvenculae) lamina hastata, lobis posticis productis anguste-linearibus, brevioribus, antico ex imo lato sensim acuminato duplo brevioribus. Pedunculus petiolo brevior. Spatha 5-pollicaris, lamina ovata. Spadix tripollicaris vix quarta parte extra spatham conspicuus, clava vix pollicari, conice-cylindroidea, tenui, laevigata. Organa neutra horizontalia aut recurva. — Syria. Michaux. — *v. delineat. specim. Michauxii in Herb. Mus. Paris. asserv.*

   *Synon.* Arum (Eminium) spiculatum. Blume.

3. **Aucheri** *S.* Tuber . . . . . Folii juvenculae lamina oblonga, obtusiuscula, basi auriculis brevibus angustissimis inflexis aucta, adultae (lamina) pedatisecta, segmentis lateralibus costae medianae vicinis haud brevibus, latiusculis, obtusis l. obtusulis, flexione petioli cruris sursum versis, reliquis gradatim brevioribus angustioribusque. Peduncu-

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lus petiolo brevior, apicem versus incrassatus. Spatha 5-pollices longa, tubo sub 2-pollicari, extus virente, intus fundo atropurpureo excepto pallida, lamina late-ovata, apiculata, extus densiuscule minute purpureo striato-maculata, intus atropurpurea. Spadix mediam laminam superans, clava utrinque attenuata, tenuiuscula . . . . . Organa neutra horizontaliter exserta, leviter sursum curva, densiuscula. Antherarum spica brevis. — Mesopotamia Aucher. — *v. delineat. spec. Aucheri in Herb. Mus. Paris.*

*Synon.* Arum heterophyllum Aucher *Herb. Paris.*

Arum (Eminium) heterophyllum Blume.

4. **Kotschyi.** *S.* Folia variabilia. Petioli longi l. longissimi. Lamina fol. lanceolata, ovata, ovato-oblonga, auriculis destituta l. auriculata, auriculis brevibus l. longis mediam laminam superantibus, inflexis, angulis lobi antici obtusis l. acutiusculis; (in vetustioribus speciminibus auriculae lacinula longula, angusta una alterave auctae, et lamina juxta venas ex albido diaphane striata). Spathae tubus ventricosus, pollicaris circiter, intus pallidus, lamina purpurea. Spadix juvenculus gracilis, spica feminea longitudine masculae, interstitium neutrum spicis sexualibus paulo longior, appendix dupla longitudine spicae masculae, rugulosa, cylindroidea, basi abrupte truncate-incrassata,

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stipello brevissimo fulta. — Armenia. Kotschy — *v. v. et s. specim.*

5. **Loftusii** *S.* Folii (adultae) lamina pedatisecta, segmento medio lineari-lanceolato basi lobis quoque lineari-lanceolatis l. linearibus, plerumque horizontaliter-protensis longis instructo; segmentis crurium (sub-9) anguste linearibus, gradatim minoribus. Spatha 5-pollicaris, lamina oblongo-ovata, cuspidulata. Spadix mediam laminam attingens, appendice cylindrico 7—8-lineas longo, ex toto extra faucem prominente. — Assyria, (in residuis convallium Nimroud). Loftus. — *v. s. in Herb. Hooker.*

   *Observ.* La yeh Arabum Loftus.

6. **Dracunculus.** *S.* Folia (adultae) lamina pedatisecta, segmento medio lanceolato, basi lobis anguste- lanceolato-linearibus, surrectis longulis aucto; segmentis crurium 7—8 anguste-linearibus, acuminatis, gradatim minoribus, contiguis. Spatha 4—5 pollicaris, tubo 2—2½-pollicari, extus maculato-striato, lamina rotundate-ovata, cuspidulata. Spadix ad ⅔ laminae fere productus, appendice cylindroidea, tenui, subsesquipollicari, organis neutris crassulis remotis, paucioribus. — Persia. Aucher. — *v. s. et in delineat. specim. Herb. Mus. Paris.*

   *Synon.* Dracunculus minor. Morrison et forte Rauwolff.
   Dracunculus minor. Blume pro parte!

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7. **angustatum**. *S. (Synops. I. p. 22. 1856.)* Tuber globosum turionem verticaliter proferens. Foliorum lamina varia (saepe maculis striaeformibus albis), juniorum specimium plus minusve lanceolata, paulo magis evolutorum tri- l. quiquesecta, segmentis extimis linearibus elongatis; complete evolutorum pedatisecta segmenti medii lamina lanceolata, lobis posticis, elongato-linearibus, cruribus lateralibus segmentis pluribus linearibus circum-volute-obsessis. Pedunculus petiolo multo brevior. Spatha $4^1/_2$ pollices longa, lamina oblongo-lanceolata, subacutato-cuspidulata intus in fundo tubi purpurea, in lamina atro-purpurascens. Spadix laminae medium superans, appendice cylindrico-conoidea (exsiccatione verrucoso-profunde-rugosa), $2^1/_2$-pollicari, ex toto extra faucem exserta. Organa neutra densa, sursum curvata. — In deserto prope Gaza. Boiss. et Kotschy. — *Ex vivo et sicco.*

*Synon.* Arum (Dracunc.) crassipes Boiss. pro parte.

8. **crassipes**. *S. (Synops. I. p. 22. 1856.)* Tuber rotundatum valde-depressum. Folii juvenculae lamina lanceolato-oblonga, lobis angustis horizontaliter protensis brevibus inferne aucta; adultae pedatisecta, segmentis lateralibus costae medianae vicinis brevibus, l. longis l. angustis l. latis, obtusis, sursum flexione cruris petioli retro versis induplicatis, (unde segmentum medium sa-

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gittatum) reliquis lanceolato-elongatis l. lineari-lanceolatis, secus crura tortis, et inde sursum deorsumque directis. Pedunculus petiolo brevior, apicem versus valde-incrassatus. Spatha 7—8-pollices longa, tubo emarcide-persistente, lamina ovato-oblonga, l. oblonga, cuspidata. Spadix mediam laminam attingens l. superans, clava basin apicemque versus attenuata, haud valde incrassata, 2—3-pollicaris, exsiccatione tuberculoso-rugosa. Organa neutra sursum arcuata, sparsa. — Antilibanus. Kotschy. — *ex vivo et sicco.*

*Synon.* Arum (Dracunc.) crassipes Boiss. pro parte.

9. **Olivieri** *S. (Synops. I. p. 22. 1856.)* Tuber rotundatum. Folii juvenculae lamina lanceolata l. et oblonga appendicibus basilaribus linearibus surrectis; adultae pedatisecta, segmentis lateralibus costae medianae vicinis brevibus l. longulis, latioribus angustioribusque, sursum-flexione petioli cruris retro-directis, induplicatis, reliquis crurium tortorum longioribus angustioribusve, sursum deorsumque directis. Pedunculus petiolo brevior, apice incrassatus. Spatha 3—4-pollicaris, tubo amplo, lamina late-ovata, apiculata. Spadix tubum paulo superans, clava breviter-stipitata, abrupte incrassata, crasse-conoidea, obtusa, 7—8 lineas longa, laevi. Organa neutra subhorizontaliter-patentia.

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Mesopotamia, Persia. Olivier. — *v. s. specim. spontan. in Herb. Kunthii et D. C.*

Dubia l. vix nota.

10. **Russelianum** *S.* Folia pedata, laciniis (segmentis) lateralibus involutis, Spatha nuda, spadice glabro, hastato. — (Alex. Russel Naturgeschichte von Aleppo etc. Uebersetzt von J. F. Gmelin II. p. 184. 1798. — Species a Banksio et Solandro perscrutata! vide praefatio p. X.)

*Synon.* Arum intortum Russel.

11. **Luph**. *S.* Folia palmata, foliolis connatis, intermedio majori. Gronow. fl. or. p. 116. Nr. 284.

*Synon.* Arum polyphyllum minus Luph Arabum et Dracunc. minor Rauwolff exsicc. 94. — hodoep. l. c. 9. p. 115. Crescit Halepi in montibus: An rectius Lajeh (La yeh Loftus)?

**HELICODICEROS** *S.* Spadix interstitio brevi supra ovaria, organis neutris validis occupatus. Organa neutra infra antheras dense coordinata, conformia subulata; supra antheras in apicem appendicis usque exserta, setiformia. Antherae connectivum haud prominulum loculis rima confluentibus. Ovula pauca, partim fundi-, partim tholifixa in eadem cavitate. Stigma sessile.

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1. **crinitus.** *S. (Oesterr. B. Wochenbl. 1853. p. 369.)* Lamina folii pedatisecta, segmenta omnia plus minusve lanceolata, lateralia cruribus petioli l. costis posticis sursum porrectis circumvoluta. Spathae tubus extus viride-tesselatus, apice arcte-constrictus, lamina oblongo-ovata, retrocurva, intus disco purpurea, margine ex viridi et purpureo variegata, setulis, dense exsertis subappressis, retrorsum vero directis in faucem usque obsita. Spadix grosse-vermiformis, dense subulis l. setis patentibus obtectus. Antherae subreniformes, pallidae, vertice purpureae. Organa neutra inferiora patentissima, sursum curva. — Corsica. *v. vivum cult.*

*Synon.* Dracunculus minor Blume pro parte.

**SUBTRIBUS DRACUNCULINAE** *S.* Spathae tubus convolutus. Spica mascula coarctata, ovariis contigua, feminea plus minusve extensa. Antherae poris rotundis aperientes, polleu in farcimimulis exserentes. Ovaria pauciovulata, ovulis l. fundo l. tholo, l. et fundo et tholo in una eademque cavitate affixis, erectis l. pendulis. Organa neutra sub antheris nulla, supra antheras setiformia pauca.

**DRACUNCULUS.** *S.* Spatha marcescens. Spadicis appendix tandem fungosa, epithemate (organorum sterilium inevolutorum crusta) nullo. Ovaria in stylum conicum producta, stigmate in foecundatione gutta lactea obtecto coronata.

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1. **vulgaris.** *S. (Melet. I. p. 17. 1832.)* Vaginae petiolorum maculis majusculis longulis verticalibus, livescentibus, remotiusculis pictae. Petiolus a vagina ex toto viridis. Laminae crura sub-circinnato-arcuata, segmentis laete-viridibus, distantiusculis juxta venas hinc inde sordide-albo notatis, quasi striatis, pseudoneuro a margine valde remoto. Pedunculus immaculatus. Spathae tubus, excepto fundo purpureo-striato, striarum confluxu interdum puprureo, albidus. Spadicis clava basi sensim incrassata, stipite suo, (quam pars androgyna triplo longiore) duplo l. plus duplo prolongata. Ovaria in stylum pallidum modice attenuata. Ovula a medio sursum attenuata. — Europa austr. — *v. viv. cult.*
2. **Creticus.** *S.* Vaginae petiolorum maculis minutis transverse consociatis, interdum confluentibus, coerulescenti-livescentibus dense pictae. Petiolus inferne maculatus, superne viridis. Laminae crura rectiuscula, segmentis atroviridibus, contiguis juxta venas albissime notatis, quasi striatis, pseudoneuro a margine minus remoto. Pedunculus pallidius sed dense-maculatus. Spathae tubus ad orificium fere usque striis punctisque atropurpureis, inferne confluentibus ornatus, ceterum albidus. Spadix clava basi repentino-incrassata, stipite suo (quam pars androgyna duplo longiore), triplo quadruplove magis prolongata. Ovaria in sty-

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lum brevem purpureum leviter-attenuata. Ovula a $^2/_3$ longitudinis micropylen versus attenuata. — Creta. — *v. viv. cult.*

3. **Canariensis.** Kunth. *(En. III. p. 30. 1841).* Vaginae petiolares viridi-purpureo-maculatae. Petioli striati. Laminae segmenta angusta, elongato-lanceolata acuminata. Spatha semipedalis l. pedalis, angusta, apicem versus sensim latitudine diminuta, pallide-virens. Spadix gracilis. Appendix myosuroidea, flavida, laevis. — Ins. Canar. — *(ex sicco et descr. Webb.)*

   β. *Anatropooae.* Ovula reclinata, micropyle basin versus spectante, hilo approximata.

**Tribus Zomicarpeae.** *S.* Ovarium uniloculare, pluriovulatum, ovulis fundi centro affixis. — Folia proteranthia.

**ZOMICARPA.** *S.* Spathae persistentis tubus ad basin brevissime cucullatus, ceterum convolutus. Spadicis feminea pars spathae dorso adnata, mascula appendicata libera. Antherae rimula ovali vertice aperientes, locellis subpersistentibus.

1. **Pythonium.** *S.* Folii segmenta 5, acutata. Spadix mediam spatham vix superans, appendice subulata reliqua parte sexifera breviore. Organa neutra supra antheras verruciformia, obsoleta. — Brasilia. — Martius. — *v. s. Herb. Martii.*

   *Synon.* Arisaema Pythonium Blume.

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2. **Riedeliana**, *S.* Folii segmenta 5, mucronato-cuspidulata. Spadix mediam spatham multo superans, appendice reliqua parte sexifera longiore, clavata. Organa neutra supra antheras subulato-mucronata, sparsa, paucissima. — Brasilia. — Riedel. — *v. s. specim. spontan. in Herb. Hort. Petropol.*

**Tribus Pythonieae.** *S.* Ovaria 1-2-3-locularia, interdum abortu excentrice unilocularia, loculamentis uniovulatis, ovulis fundo lateraliter, affixis.

Petiolus folii hysteranthii caudiciformis, lamina peltato-tricruri. *(Allopythio excepto.)*

**SUBTRIBUS AMORPHOPHALLINAE.** Spatha ad basin usque plus minusve expansa. Antherae sessiles. Ovula e funiculo longo, surrecto, reclinata. —Asiaticae.

**ALLOPYTHION.** *S.* Spatha. . . . . Spadix spica feminea a mascula organis neutris (paucis) sejuncta, . . . . Ovaria unilocularia, abrupte-stylata, stigmate sub-4-lobo. Antherae cubicae, loculis primum 2-porosis, poris tandem in rimulam confluentibus.

Folii lamina pedatisecta.

1. **Hookeri.** *S. (Gen. Aroid. 24. 1858)*, Petiolus elongatus maculatus. Segmenta fol. laminae oblonga, cuspidato-acuminata, pseudoneuris 4, intimo in medio laminae lateris procurrente, extimis tantum margini approximatis instructa; medium basi angustissime-, vicina latius-cuneata, extima quan-

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doque subtruncata. — Churra Ind. or. prov. — Hook., fil.—*v. s. in Herb. I. D. Hooker.*

**PYTHONIUM.** *S.* Spadix densissime organis tectus, spatham aequans. Spica feminea, mascula et neutra, arcte, absque interstitio nudo, contiguae. Stylus cylindroideus, ex ovario unilocnlari subrepentino exsertus, longulus. Stigma carnosum, valvato 3-4-lobum. Antherae loculi poris 2-bus, demum confluentibus aperientes. Organa neutra vertice conoideo prominentia.

1. **Wallichianum.** *S. (Melet. I. p. 17. 1832).* Petiolus inferne rubicundus, ex fusco-viridi irregulariter punctatus maculatusque. Pedunculus elongatus; crassus quoque fusco-maculatus. Spatha oblonga coriacea, crassa, cymbiformis, extus viridis, intus helvola, tandem sordide-virescens. Ovaria virentia. Styli cum stigmatibus flaventes. Antherae flavae, vertice purpureae. Organa neutra flaventia.

   Odor spadicis deterrimus, putridi salsi piscis (Hooker, f. — Sikkim, Khasia. — I. D. Hooker. — *v. s. et in iconibus I. D. Hookerianis.*

   *Synon.* Pythonioides Griff. (Not. II. p. 201. Nr. 1180.)

Excludenda.

**bulbiferum.** *S.* Melet. = Conoph. bulbif. *S.*

**ecaudatum.** Griff. (Not. II. p. 185. Nr. 941, a. = Arisaema *sp.*?

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**Hookeri**. Knth. (En. III). = Anchomanes Hookeri *S.*

**Species.** Griff. II. p. 85. Nr. 941. = Arisaema sp.?

**Species.** Griff. II. p. 192. Nr. 1040 = Arisaema sp.?

**Species.** Griff. III. p. 156. = Aris. costatum. *S.*

**Species.** Griff. II. p. 196. Nr. 1103. = Arisaema sp.?

**Species.** Griff. II. p. 197. Nr. 1106 = Arisaema sp.?

**Species.** Griff. II. p. 201. Nr. 1179 = Arisaema sp.?

**PLESMONIUM**. *S.* Spatha inferne convoluta, apice marginibus distantibus aperta. Spadix organis undique tectus, spatham aequans. Spica feminea, neutra media, et mascula conoidea terminalis contiguae. Ovarium 2-3-loculare. Stylus brevis, subsensim ex ovario attenuatus, conoideus. Stigma depresse-hemisphaericum. Antherae loculi poris 2, demum confluentibus aperientes. Organa neutra margaritiformia.

1. **margaritiferum**. *S. (Generae Aroid. 1856. 26.)* Lamina fol. tripartita, curibus bi-tripartitis, segmentis lanceolato-linearibus, perangustis, cunneatim confluentibus. Pedunculus elongatus. Spatha tripollicaris. Spadix spathae longitudinis. Organa neutra (exsiccatione?) obconoideo-clavata. Antherae connectivum post foecundationem gib-

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bose-prominens. — Bengalia. — Roxburgh. — *v. specim. sicca in Herb. Hooker.*

*Synon.* Amorphophallus magaritifer Knth.

2. **dubium.** *S.* Folium ignotum. Pedunculus longus, tenuis. Spatha . . . Spadix . . . . Organa neutra (exsiccatione?) peltata! supra planiuscula, stipiti crasso. Antherae connectivum post fecundationem contractum, loculis brevius. — Pegu, (Rangoon). — M. Clelland. — *v. s. in Herb. Hooker.*

**RHAPHIOPHALLUS.** *S.* Spatha inferne convoluta, arrecta, apice aperta. Spadix inferne ovariis et parum remotis antheris onustus, e fauce spathae in appendicem subulatam spathae apicem non attingentem productus. Spica feminea et mascula spatio interjectis organis neutris obsoletis obtecto disjunctae. Ovarium triloculare. Stylus vix ullus. Stigma depressulum. Antherae loculi poris confluentibus aperientes. Organa neutra inferiora pistilloidea, superiora obsoleta.

1. **Hohenackeri.** *S. (Gen. Aroid. 1858. 27.)* Tuber parvum. Petiolus tenuis, maculatus. Lamina fol. partitionibus inaequalibus inaequilateris, conjunctim defluentibus, obovato-oblongulis, cuspidato-acuminatis, paucis. Pedunculus longus, tenuis, maculatus. Spatha sub-4-pollicaris, lamina lanceolata. Spadix spatha paulo brevior, spica mascula infra medium exserta, appendice tenui. —

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Ind. or. prov. Canara. — Hohenacker. — *v. s. a Clariss. Hohenackerio communicatum.*

**SYNANTHERIAS.** *S.* Spatha ad tubum sphaerico-ventricosum reducta, brevissima. Spadix spatham plnries superans, ovariis spatio neutro, a spica elongata antherarum remota, in appendicem subulatam elongatam terminatus. Ovarium biloculare. Stylus brevis mox contractione intrusus. Stigma quadrigibbum. Antherae flosculi basi connatae, poris loculi, et interdum loculis ipsis parte superiore confluentibus aperientes. Organa neutra obsoleta.

1. **sylvatica.** *S.* Partitiones folii crurium lanceolatae, angustae, confluentes, copiosae. Pedunculus longus, tenuis. Spatha extus pallide- violascens, intus saturatius colorata. Ovaria flavo-virentia, stigmate luteolo. Antherae pallide-violascentes. Appendix flavo-virens.—Bombay, etc. — Roxburgh. — *v. s. in Herb. Hookcr.*

*Synon.* Amorphoph. sylvatic. Ruth.
Brachyspatha sylvat. S. Synops.

**BRACHYSPATHA.** *S.* Spatha brevis, tubo convoluto in laminam transgrediente. Spadix spatha multo longior, spica feminea et mascula contigua, appendice elongato-conica. Stylus ex ovario biloculari continuus brevis. Stigma bi-raro tri-crenato-capitatum. Antherae loculi poris 2-bus confluentibus aperientes. Organa neutra inter ovaria et antheras vix ulla.

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1. **variabilis.** *S. (Synops. I. p. 35. 1856.)* Partitiones folii crurium supremae obovato-lanceolatae, acuminatae, confluentes, inferiores distantes ovatae, breves, acutatae. Spatha oblongo-ovata, acuminata, intus albida. Appendix fusiformis, straminei l. ochracei coloris. — Java Blume — *v. s. in Herb. Hooker.*

   *Synon.* Amorphoph. variab. Blume.

2. **Zeilanica.** *S.* Petioli laeves. Spatha ovata, acuta, spadice multo brevior. Appendix cylindraceo-fusiformis, acutiuscula. — Ceylona Blume.

   *Synon.* Amorphoph. Zeilan. Blume.

3. **Muelleri.** *S.* Petioli laeves. Spatha late-ovata, ampla, quarta parte spadice brevior. Appendix elongata-conoidea, obtusa. — Java. Blume. — *Ex Blume in Rumph.*

   *Synon.* Amorph. Muelleri Blume.

D u b i a.

4. **consimilis.** *S.* Petioli verrucoso-asperi. Spatha ovato-acuminata, spadice multo brevior. — Africae promont. viride. Blume. — *Ex Blume. Rumph.*

   *Synon.* Amorph. consimilis Blume.

E x c l u d e n d a.

**Br. sylvatica.** *S.* Synops. = Synantherias sylvat. *S.*

**CONOPHALLUS** *S.* Spathae tubo inferne convoluto, apice sensim in laminam concavam

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transgrediente. Spadix spathae longitudine, ovariis antherisque contiguis, appendice elongata incrassata. Ovaria 2—3 locularia. Stigma sessile discoideum, 2—3-crenatum. Antherae loculi poris 2-bus confluentibus aperientes. Organa neutra nulla.

1. **giganteus**. *S. (Synops. I. p. 34. 1856.)* Petioli 6—7-pedales, verrucoso-asperi. Partitiones fol. copiosissimae decurrenti-confluentes. Spatha ovato-oblonga, obtusiuscula, superne aperta. Spadix parte sexifera cylindracea, appendice conoidea crassiore. — India orientalis, Java, etc. Blume — *Ex Blume. Rumph.*

   *Synon.* Amorphoph. giganteus Blume.

2. **spectabilis**. Miquel. Petioli . . . . . Folii partitiones sublyrato-pinnatifidae, segmentis decurrentibus. Spatha 22 pollices longa, late-lanceolata, sursum atropurpurea. Spadix 10 pollices longus, appendice gracili. — Java. Miquel. — *ex Miq. Bot. Zeit. 1856.*

3. **bulbifer**. *S. (Synops. I. p. 34. 1856.)* Petioli laeves. Folii crura in alis et ad ramificationes tuberifera. Partitiones vix multae. Spatha ovata, obtusa, superne retrocurva patens. Appendix elliptico-oblonga, obtusa, leviter-rugulosa. — Bengalia Roxburgh. — *v. s. e Bengalia et viv. cult.*

   *Synon.* Pythonium bulbif. *S.* olim.
   Amorphoph. bulbif. Blume.

4. **commutatus**. *S. (Bonpl. 1859. p. 28.)* Folia petiolo laevi? pedali l. tripedali praedita,

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. . . . Spatha oblonga ad 10—11 pollices longa, apicem versus sensim angustata. Spadix spathae longitudine. Spica feminea pollicaris, mascula bipollicaris. Appendix subulato-conoidea, sensim sensimque attenuata; parte sexifera triplo longior.—Bombay. —Dalzel?— *v. s. specim. flor. in Herb. Hooker.*

*Observ.* Inter organa neutra pistillis superposita, antheras observavimus in specimine supra descripto, connectivo prominente, incrassato, stigmatoso, sive stigma manifestum, antherae loculis oppositis circumdatum!

5. **tuberculiger.** *S. (Bonpl. 1859. p. 28.)* Folia petiolo tenui pedali praedita, vertice inter crurium ala tuberculigero. Lamina fol. tritoma l. trifurca, furcis bifurcis ansatis et segmentis terminatis furcatione iterata costae quasi ex geminato connatis, acuminato-lanceolatis, basi conjunete-cuneatim decurrentibus, rarissime in ansis furcae principalis laciniula solitaria suffultis . . . — Khasia. — Hooker, fil. — *v. s. specim. spontan. in Herb. I. D. Hooker.*

6.?**punctulatus.** *S. (Synops. I. p. 35. 1856.)* Petioli laeves. Spatha oblongo-lanceolata, obtusiuscula. Spadix appendice cylindraceo-fusiformis, obtusiusculus.— Java.—Blume.

*Synon.* Amorphoph. punctulatus Blume.

7.?**sativus.** *S. (Synops. I. p. 35. 1856.)* Petioli 2-3-pedales, rugosi, punctis asperis ob-

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sessi, albo-maculati. — Moluccae. — Blume.

*Synon.* Amorph. sativ. Blume.

8.? **lyratus.** *S. (Synops. I. p. 35. 1856.)* Foliola lyrata. — Ind. or. Roxburgh.

*Synon.* Amorph. lyratus Knth.

**AMORPHOPHALLUS.** Blume. Spadix appendice corrugato conoidea tandem marcescenti amorpha. Stylus longissimus, teres, abrupte-exsertus deciduus. Stigma amplum, valvato-bi-tri-lobum. Antherae vertice- biporosae e loculis biporosis, tandem in rimulas transversaliter dehiscentes confluentibus. Organa neutra nulla.

1. **campanulatus.** Blume. Petioli verrucoso-asperi. Spatha spadicem apice conoideo-tumidum subaequans.—India orient. — *v. v. sine fl. et sicc. in Herb. Hooker.*
2. **dubius.** Blume. *(Rumph. I. p. 142. 1835.)* Petioli glabri. Spatha quam spadix superne rotundato-obtusus longior. — Ind. orient. — *ex Blume.*

Insertus.

3. **Species.** Griff. Not. III. p. 146. an? Am. campanulat.?

Problematici.

4. **decurrens.** Knth. Petioli punctis prominentibus maculisque albis obsiti. Spatha

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marginibus revoluta. Spadix valde-elongatus, appendice conica. — In insulis Philippinis.

*Synon.* Arum decurrens Blanco.

5. **Surinamensis.** Bouché in litteris . . . . . *Observ.* forte Dracontium?

6. **Species.** Motley in Hooker Journ. of Bot. Nr. 100. — Borneo. — Motley. — *Observ.* „Just as livid and as stinking as the real Simon Pure". Motley.

Excludendi.

**bulbifer.** Blume. = Conoph. blbif. *S.*
**consimilis.** Blume.=Brachysp. consimilis *S.*
**difformis.** Blume.=Anchomanes sp. *S.*
**Fontanesi.** Knth. = Hydrosme Fontanesi *S.*
**giganteus.** Blume.=Conoph. gigant. *S.*
**Granatensis.** Linden. Cat. = Arisaema macrospath. Benth.
**lyratus.** Knth. = Conoph. lyrat. *S.*
**margaritifer.** Knth.=Plesmon. margaritif. *S.*
**Muelleri.** Blume. = Conoph. Muelleri *S.*
**sativus.** Blume. = Conoph. sativ. *S.*
**variabilis.** Blume.=Brachysp. variabilis. *S.*
**Zeilanicus.** Blume. — Brchysp. Zeilanica *S.*

**SUBTRIBUS. HYDROSMINAE.** Spatha inferne in tubum convoluta. Antherae stipitatae. Ovula funiculo fere ex toto lateraliter accreta, ergo breviter funiculata, resupinata. — Africanae.

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**CORYNOPHALLUS.** *S.* Spadix spatha brevior, inferne continuo androgynus, appendice crassa, (pyriformi), rugosa, auctus. Ovarium uniloculare, (ovulo solitario, fundifixo). Stylus continuus, elongatus. Stigma discoideo-convexum. Antherae vertice poris 4 aperientes. Organa neutra nulla.

1. **Afzelii.** *S. (Oesterr. B. Wochenbl. 1857. p. 389.)* Partitiones folii tritomi elongato-lineares longissime-acuminatae, confluentes. Pedunculus tenuis, l. pollicem crassus sub-9-pollicaris. Spatha e tubo cucullato in laminam late-ovatam acutam aperta, extus ex albido tesselato-variegata, intus purpurea in fundo albo et laete-purpureo striata. Spadix stipitatus, appendice sphaeroideo-conoidea, l. pyriformi, crassa, rugosa atroviolacea. — Sierra-Leonae Afzelius — *v. s. specim. spont. in Herb. Afzelii et Hookeri.*

   *Observ.* Specimina a beato Barter collecta, majora, pedalia et ultra pedalia! An species distincta?

**HYDROSME** *S.* Spatha inferne tubulosa, lamina conchiformi. Spadix spatham aequans l. ea brevior, appendice tenui l. tereti l. subulato-conica. Ovarium 1—2-loculare, stigmate sessili convexe-discoideo. Antherae stipellatae, loculis poris 2-bus confluentibus aperientibus. Organa neutra nulla.

1. **Mossambicensis** *S. (Gen. Aroid. 1858. 33.)* Spathae lamina rotundata, apice breviter

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acutata, margine undulata. Spadix tenuis lamina parum brevior. Spica feminea masculam, mascula appendicem crassitie superans. Ovarium uniloculare. — Montes Lupata Mossambicenses. Peters. — *v. siccam. in Herb. g. Berol.*

*Synon.* Amorph. Mossambic. Klotzsch.

*Observatio.* Odorem deterrimum spargit Klotzsch.

2. **Fontanesii.** *S.* Tuber. Petiolus teres, 2 pedes altus. Lamina fol. trichotoma l. tricura, cruribus segmentis ovatis, obovatisque breviter-cuspidatis, approximatis, confluentibus, pseudoneuro a margine vix remoto. Pedunculus brevis. Spatha 6-pollicaris, inferne in tubum oblongum sesquipollicarem convoluta, lamina ovali apiculata instructa. Spadix firmus, vix ultra laminae medium productus. Spica feminea masculam, mascula appendicem subcylindricam, basi leviter constrictam, rugulosam crassitie superans. Ovaria 2-locularia. — Ad Nigri fluminis conterminas terras. Barter. — Senegalia Kunth. — *v. s. spec. spont. in Herb. Hook.*

*Synon.* Amorphophallus Fontanesii Knth.

**HANSALIA.** *S.* Appendix cylindrica? Spathae lamina rotundata (fusco-violacea), spadicem superans.

1. **grata.** *S. (Oesterr. B. Zeitschrift. 1858. p. 82).* Petiolus longus, nigro-fusco maculatus, apice tricruris. Partitiones crurium obverse oblongo-lanceolatae, cuspidato-acu-

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minatae confluentes. Spadix odorem suavissimum spargens. — In territorio Nigrittarum cognomine „Kyk.“ Hansal.

**ANCHOMANES**. *S.* Spatha elongata fere ex toto aperta, tubo indistincto. Spadix continuo-androgynus, spatha multo brevior. Ovaria in stylum conoideum, decurvatum, stigmate subbilabiato terminatum, attenuata, unilocularia, ovulo unico lateraliter fundifixo brevissime-funiculato. Antherae cuneato-quadratae, compressulae, loculis oppositis sub vertice connectivi rimula aperientibus.

(Typus verosimiliter novae Subtribus Pachyzeugmaticarum Philodendrearum. „Anchomaninae“ nuncupanda.)

1. **Hookeri**. *S. (Bonpl. 1852. p. 314.)* Rhizoma tuberosum, horizontale, radices crassas emittens. Folium serotinum petiolo tereti, longo glaucidulo, sparse remoteque aculeolato; lamina in vernatione sagittata, tandem evolutione disscissa, ex trifurcato dichotome-ramosa, ramis elongatis, aculeolatis partitionibus majusculis trapezoideis, irregulariter et distanter biapicalibus terminatis, lateraliter segmentis ovatis, ovato-oblongis l. lanceolatis, irregulariter distributis, majoribus minoribusque comitatis. Pedunculus petiolo brevior muricato-aculeolatus. Spatha oblonga, valde-acuminata, dimidia pedunculi longitudine, extus fusco-purpurea, intus nigro-purpurea. Spadix mediam spatham haud superans, cylindricus, obtusus,

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spica feminea atroviolascens, mascula albida. Ovaria et styli verucoso-muriculati. — Fernando-Po. Oware. — *v. s. specim. spont. in Herb. Hooker.*

*Synon.* Amorphoph. difformis Blume.
Caladium petiolatum Hooker.
Pythonium Hookeri. Knth.

2. **dubius.** *S.* Folium prioris. Pedunculus sesqui pedalis et ultra, semipollicem crassus. Spatha utrinque-viridis, 11—12-pollices longa, dorso basin versus muriculata. Spadix ultra mediam spatham productus. Antherae vertice albidae. Ovaria et styli laeves rosei. Stigma reniforme-bilabiatum, amoene-virens. — Patria? — *v. v.*

*Synon.* Sauromatum ferox. Linden.

***b.* Pachyzeugmaticae.** *S.* Antherae (loculi connectivo tenuiores), connectivum loculis validius.

*α.* **Gymnogoneae.** *S.* Flores feminei nudi, (ovaria nempe staminodiis non comitata.)

**Tribus Caladieae.** Stamina in Synandria connata. (Petiolus longe-vaginatus.)

**SUBTRIBUS COLOCASINAE.** *S.* Ovaria libera, subunilocularia, (basi uni-apice tri- pluri-locularia). Placentae parietales. Ovula hemiorthotropa. Baccae distinctae. Semina costata.

Succo turbido, sublacteo praeditae.

**ARIOPSIS.** Graham. Spathae persistentis tubus a lamina non distinctus. Spadicis pars feminea spathae accreta, mascula libera, appendix nulla. Flores masculi e synandriis

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peltatis, omnibus connatis, conum foraminibus praeditum formantibus; feminei ovario uniloculari placentis parietalibus, multi ovulatis, ovulis horizontalibus longule-funiculatis, orthotropis, stigmate 4—5—6-laciniato patulo coronato. Bacca angulata, polysperma, seminibus orthotropis pendulis.

1. **peltata**. Graham. *(in Cat. pl. Bomb. p. 252. 1839.)* Herba parva. Folii lamina vix subcordato-peltata, glaucescens. Pedunculi breves, ante folia novella prorumpentes. Spatha intus purpurascens. Ovaria viridia. Stigmata rubentia. Conus masculus ex rubro violascens. — Sikkim. Cathcart. — *v. s. et in aceto asservata specim. spontan. collectionis J. D. Hooker.*

**REMUSATIA.** *S.* Spathae tubus persistens, lamina rhombea refracta marcescens. Spadix liber. Spica mascula terminalis a feminea saepe utrinque ovarodiis comitata, organis neutris remota. Ovaria stigmate sessili coronata, placentis parietalibus multi-ovulatis ovulis horizontalibus. Synandria breviter-stipitata loculis vertice aperientibus. Baccae spathae tubo pallescente, marginibus disrumpente obvolutae, flavidae, diu sistentes. Semina epidermide crasse-succulenta, induta, testa verruculosa. Germinatio admotiva cotyledone brevi, angusto.

Tuber ramos aphyllos erectos, bulbilliferos emittens. Folia peltata hysteranthia. Spadix aromatice olens.

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1. **vivipara.** *S. (Melet. I. p. 18. 1832.)* Folii lamina ovata, acutata l. subacuminata. Spathae tubus intus pallidus, lamina lata, trapezoideo- ex ovato rotundata cuspidate-acutata. — Malabar, etc. — *v. v. cult. et s. in var. Herb.*

2. **Hookeriana** *S. (Oestr. B. Wochenb. 1858. p. 133.)* Folii lamina oblonga, subsensim acuminata. Spathae tubus intus fusco-purpurascens, lamina oblongo-lanceolata, acuminata. — Sikkim. Hooker, f.

**COLOCASIA.** *S.* Spathae tubus diu vegeto-persistens, lamina lanceolata, (flava). Spadix liber spatha brevior, parte feminea ovarodiis immixtis obsitus, parte mascula a feminea organis neutris remota, appendice conoidea, interdum obsoleta. Ovaria in stylum brevissimum attenuata, stigmate depresse-hemisphaerico minore coronata, (stigmata ergo non contigua), placentis parietalibus multiovulatis, ovulis horizontalibus hemiorthotropis. Synandria breviter-stipitata, loculis apice implicatis exinde vertice aperientibus. Baccae spathae tubo disrumpente obtectae, virides, non deciduae. Semina minutissima oblongula, horizontalia, epidermide succulenta, testa ob sulcos longitudinales parallelos, striato-costata. Germinatio remotiva, cotyledone dilatata apice reniformi.

Folia peltata, simultanea, supra aequata. Spadix suaveolens.

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1. **Antiquorum**. *S. (Melet. I. p. 18. 1832.)* Lamina fol. peltato-ovata, inferne semibifida, apice acutata, venis aperte-patentibus. Pedunculi plures ex eadem axilla, petiolis breviores. Spathae lamina lanceolata lutea, tubus oblongus, persistens. Spadix inferne organis contiguis dense tectus, appendix acutata. Ovaria brevissime-stylata.—Species varietatibus cultura exortis abundans.

   *Synon.* C. nymphaeifol. Knth.
   — esculenta Schott.
   — acris Schott.
   — Fontanesii Schott.
   — euchlora C. Kch.
   Caladium glycyrrhizon. Fraser.

2. **affinis**. *S. (Bonpl. 1859. p. 28.)* Lamina fol. rotundato-ovata l. ovata, inferne lobis fere convergenti-confluentibus, conjunctim rotundatis, vix sinu levissimo indicatis, apice cuspidata, venis ex insertione petioli quasi radiantibus, mediis et supremis patentibus, fere rectangulo a se invicem distantibus. Pedunculus medium petiolum attingens. Spathae lamina lanceolata, sub-5-pollicaris, flavida, tubus brevis tandem ovoideus. Spadicis appendix ex axi tenui repentino incrassata, subulate terminata. Ovaria stylo brevi manifesto. — Sikkim. — Hook., f. — *v. s. in Herb. I. D. Hooker.*

3. **fallax**. *S. (Bonpl. 1859. p. 28.)* Lamina fol. rotundato-ovata l. ovata, inferne lobis arcuatim convergentibus, maxima parte con-

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nexis et sinu levi tantum divisis, apice cuspidulata, venis ex insertione petioli quasi radiantibus, mediis et supremis arrecto-patentibus, angulo valde-acuto exsertis. Pedunculi plures ex una axilla, petiolo plus quadruplo breviores. Spatha lanceolata, 3-6-pollicaris, flavida, tubo brevi tandem in fructescentia sphaeroideo. Spadicis appendix cum parte sexifera crassitie continua. Ovaria stylo brevi, sed manifesto praedita. — India orient. Pir-Pauee, Terye Ghats. — Hooker, fil.—*v.s. specim. spontan. in Herb. I. D. Hooker et Thoms.*

4. **virosa.** Knth. *(En. III. p. 41. 1841.)* Lamina fol. ovata, inferne rotundata et late-repando-emarginata, apice . . . venis patentissimis, angulo obtuso a se invicem distantibus. Pedunculi plures ex eadem axilla, petiolo duplo- et ultra breviores. Spathae lamina elongato-lanceolata, lutea, tubo oblongo. Spadicis appendix nulla, spica mascula crassa, obtusa. Ovaria breviter-stylata. — India orient. — Roxb.

*Synon.* Calla virosa Roxb.
Zantedeschia virosa C. Kch.

Dubiae.

5. **heterophylla.** Knth. *(En. III. p. 40. 1841.)* „Acaulis; foliis subpeltatis, cordato-sagittatis, acuminatis repandis; lobis baseos rectis, rotundatis, discretis connatisve; spatha li-

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neari, elongata, mucronata, spadicem sessilem excedente.“ — Luzonia Presl.

*Synon.* Caladium heteroph. Presl.

6.? **obtusiloba.** Knth. *(En. III. p. 41. 1841.)* „Caulescens; foliis peltato-cordatis, acutis, basi excisis, sinu lato.

Petiolus non maculatus.“

Excludendae.

**acris** *S.* = C. antiquor. *S.* var.
**Boryi.** Knth. = Alocas. Indica, variegata *S.*
**cochleata.** Miq. = Alocas. rugosa *S.*
**esculenta.** *S* = C. antiq. *S.* var.
**euchlora.** C. Kch. = C. antiq. *S.* var.
**fornicata.** Knth. = Alocas. fornic. *S.*
**Fontanesii.** *S.* = C. antiq. *S.* var.
**heterophyll.** Zolling. = Aloc. longiloba Miq.
**montana.** Knth. = Aloc. montana *S.*
**mucronata.** Knth. = ? Aloc. macrorrhiz. *S.*
**navicularis.** C. Kch. = Aloc. navic. *S.*
**nymphaeifolia.** Knth. = C. antiq. *S.* var.
**odorata.** Hssk. = Aloc. indic. *S.* var.
**peregrina.** *S. Syn.* = Aloc. macrorrhiza *S.*
**pruinipes.** C. Kch. = Leucocas. gigant. *S.*
**pubera.** Hssk. = Aloc. pub. *S.*
**pumila.** Knth. = Gonatanth. sarm. Kltzsch.
**rapiformis.** Knth. = Aloc. rapif. *S.*
**rugosa.** Knth. = Aloc. rugosa *S.*

**LEUCOCASIA.** *S.* Spathae tubus vegeto-persistens, lamina cymbiformis, alba. Spadix

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appendice manifesto ovarodiisque carens. Ovaria subunilocularia, placentis parietalibus multiovulatis. Stigmata 3-5-sulcata, 3-5-gibba, arcte contigua, ovaria ex toto obtegentia. Ovula orthotropa, surrecta, longiuscule funiculata. Synandria sessilia, loculis sub vertice (synandrii) rimula apicali aperientibus. Baccae spathae tubo irregulariter a basi disrumpente obvolutae, obpyramidatae, tenues, albae, diu sistentes. Semina arrecta, (Colocasice). Germinatio remotiva, vagina elongata, cotyledonis lamina apice reniformi.

1. **gigantea.** *S. (Oestr. B. Wchnbl. 1857. p. 34.)* Petioli elongati pruina fere obtecti. Lamina fol. ovata peltata, margine subundulato-repanda, apice acutiuscula, glaucidula; lobis posticis rotundatis tertia parte connatis. Pedunculi longuli. Spathae tubus ovoideus, utrinque glauco-viridulus, lamina profunde scaphiformis cuspidato-apiculata, alba. Spadix flavidus, parte feminea: conica; neutra: valde attenuata, cylindroidea; mascula: repentino in cylindrum crassum aucta, apice rudimento appendicali conico brevissimo terminata. — Cochinchina, Java, Insulae Sundaicae?

*Synon.* Arum Indicum Loureiro.
Calad. gigant. Blume.
Colocas. Indica Hortor.
Colocas. pruinipes C. Kch.
Alocasia Indica *S.* pr. parte.

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**SUBTRIBUS. ALOCASINAE.** *S.* Ovaria libera, subunilocularia, (inferne uni-superne tri-l. plurilocularia). Placenta basilaris. Ovula orthotropa. Baccae distinctae. Semina laevigata.

**GONATANTHUS.** Klotzsch. Spathae tubus brevissimus, persistens, apice contractus et laminae pars subsequens ventricosa quoque apice constricta geniculatim cum reliqua lamina elongato-lanceolata hiante confluentes. Spadix exappendiculatus, brevis ad spathae geniculum tantum productus, inferne in tubo proprio spathae ovariis obsitus, superne in laminae ima parte ventricosa dense synantheris tectus, parte media subnudus l. synandrodiis depressissimis ornatus. Ovaria astyla. placenta fundifixa pluriovulata, ovulis in funiculo longulo decurvo erectis. Stigma depresse hemisphaericum. Synandria longe-stipitata, loculis vertice aperientibus. Baccae tubo spathae a basi discedente et lateraliter aperiente primum obvallatae, luteae, diu sistentes. Semina orthotropa, longe-funiculata, conico-ovoidea, epidermide succulenta, crassa, lutea obduta. Testa ferruginea, verruculosa.

Tuber sarmenta squamosa longe prorepentia exserens. Folia peltata.

1. **sarmentosus.** Klotzsch. *(Ic. pl. rar. Hrt. Berol. I. p. 33. 1840.)* Petiolus elongatus. Lamina fol. peltato-ovata, inferne versus medium fere usque bilobata, lobis rotundato-obtusatis, apice acuta, apiculata, supra atrovirens, infra glauco-viridis, rubro-viola-

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ceo quandoque tincta. Pseudoneurum margini approximatum. Pedunculus spatha utrinque flavo-virente brevior. Spica feminea virens stigmatibus albis, mascula juvencula violacea, vetusta ob loculos stipitesque synandriorum magis in conspectum venientium albida, violaceo parco. — Sikkim, Khasia, Massuri etc. — Huegel, I. D. Hooker. — *v. v. cult. et sicc. in plurimis Herbariis.*

*Synon.?* Caladium pumilum Don.

Dubii.

2. ? **ornatus** *S. (Oesterr. B. Zeitschr. 1858. p. 121.)* Tuber speciminum nondum florentium Avellanae magnitudinis. Petiolus 5—6-pollicaris. Lamina fol. peltato-lanceolata l. lato-lanceolata, inferne leviter cordata, lobis obtusatis, apice sensim sensimque angustata in acumen longum angustissimum, supra virens, infra (margines costae et venarum partes proximae exceptae), atropurpurea. — Pseudoneurum a margine subremotum. — Khasia Hooker, fil. — *v. s. specim. spont. in Herb. I. D. Hooker et Thoms.*
3. **Griffithii.** *S.* „Caulis sordide viridescens. Petiolus et pedunculus albide-viridescentes. Fol. subtus albido-glauca, supra saturate-viridia, vena intromarginalis distincta. Spatha luteo-viridis, intus a medio infra fusco-purpurea marginibus exceptis. Antherae albidae. Ovaria luteo-viridia. Spatha

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demum fusca.“ — Burmah. (In umbrosis prope Namtuseek. Griff.)

*Synon.* Arum sp. Griff. (Not. III. p. 144. — Icon. III. 164.)

**ALOCASIA** *S.* Spathae tubus vegeto-persistens, lamina cymbiformis. Spadix appendicatus, spatha paulo brevior, inferne ovariis, (ovarodiis interdum), medio floribus neutris, infra apicem synandriis, dense obsitus. Ovaria stylo brevi, placenta fundifixa, ovulis paucis, (sub-6), erectis, breviter-funiculatis instructa. Stigma depresso-hemisphaericum, diametro quam ovarium minore. Synandria breviter-stipitata, loculis sub vertice aperientibus. Fructus spathae tubo irregulariter, ab apice, disrupto et revoluto involucratus. Baccae rubrae, diu sistentes. Semen depresso-hemisphaericum, breviter-funiculatum, epidermide crassula obductum, testa laevigata, germinatione admotiva vaginam brevissimam ostendente.

Rhizoma elatum. Lamina juvenculae stirpis magis peltata, adultae vix peltata. Costae et venae utrinque elevato-prominentes. Spadices suaveolentes.

1. **Indica.** *S.* Caudex elatus, crassus, basi tuberifero-sarmentosus. Petioli longi crassi. Lamina fol. (adultae stirpis) ampla, laeteviridis sagittata l. sagittato-triangularis, acutata lobo antico triangulari, latitudine sua paulo longiore, lobis posticis oblongis acutiusculis, (in stirpe culta obtusis), ad petio-

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lum usque bipartitis, tamen ibi confluentibus, peltatam petioli insertionem constituentibus, lobo antico dimidio brevioribus. Costa crassa, posticae angulo recto a se invicem distantes. Venae primariae sive costales crassulae utrinque 8, rectae, apertepatentes, venulae e venis remotiusculae. Pseudoneura margini valde approximata. Pedunculi breves, plures ex una axilla. Spatha spadicem superans, tubo brevi; lamina oblongo-lineari, cuspidulata, tubo quinquies fere longior, pallide-sulfurea. subexplanata. Spadix appendice cylindriceconoidea, rugulosa, reliqua parte continueorganifera longiore, ovariis vix alte obsitus, synandrodiis paucioribus. — Amboyna. — *v. s. specim. spontan. et v. culta.*

*Synon.* Arum sylvestre Rumph. Amb. V. t. 107.
Arum Indicum Roxb. nec Lour.
Colocasia Indica Knth,
Alocasia Indica C. Kch. pro parte.

*Observ.* Varietates plures cultura exortae, e. g. Coloc. l. Aloc. metallica Hortor et Schott. Syn. ut videtur jam a Roxburghio indicata, colore plus minusve atropurpureo insignita, (Colocasiam odoratam. β purpurascentem Hassk. Caladium cupreum C. Koch et Xonthosoma plumbeum C. Koch includens), l. variegata (i. e. Philodendr. punctatum Knth. = Arum punct. Desf., Colocasia. Boryi

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Knth. fide Hort. Paris., C. Alocasia variegata C. Kch. = Colocasia odorata maculata Hssk) etc.

2. **pubera**. *S. (Synops. I. p. 47. 1856.)* Subcaudicescens. Petioli longi crassi puberuli. Folii lamina cordato-sagittata ampla, saturate viridis, submembranacea, repanda, latitudine longitudinem aequante; venis costalibus utrinque 8 crassiusculis, patentibus rectis subtus puberis: lobis posticis triangularibus, antici longitudinis $^2/_5$ brevioribus. Costae posticae angulo obtuso a se invicem distantes. Pseudoneura fere in margine. Pedunculus puberulus Spathae lamina inferiore parte albida, basi linea transversa sanguinea notata, superiore parte spadicem acuminatum vix superans. — Java? — *v. v. cult. sine flore.*

*Synon.* Coloc. pubera Hassk.

3. **macrorrhiza** *S. (Oestr. B. Wochenbl. 1854. p. 409.)* Caudex elatus crassus, turiones adventitias basi exserens. Petioli longi, crassi. Lamina fol. (adultae) ampla, subcoriacea, sagittato-ovata, acuta, lobo antico triangulari-ovato, latitudine sua breviore, lobis posticis plus minusve rotundatis, ad petiolum usque partitis, ibi vero confluentibus, peltatam laminam proferentibus, lobo antico duplo brevioribus. Venae primariae sive costales utrinque (5-) 10—12., crassae, utrinque prominentes, inferne paten-

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tissimae, gradatim, quo altius exsertae, magis arrectae, rectae, fere subapproximatae, venulae e venis provenientes remotiusculae. Pseudoneura margini valde approximata. Costae posticae crassae augulo recto l. acuto a se invicem distantes. Pedunculi breves, plures ex una axilla. Spatha spadicem excedens, tubo oblongo, a lamina cymbiformi, oblonga, leviter - procurva, cuspidulata, glauco-virente demumque flavescente duplo l. plus duplo superato. Spadix appendice conoidea, labyrinthice rugulosa, reliqua parte continue - organifera multo brevior, ovariis paucis, repentino in stylum brevissimum cylindricum, stigmate latius excedente majusculo praeditum contractis, synandriis et synandrodiis pluribus. — India orient. Insulae Sandwicienses. — *v. v. cult. et sicc.*

*Synon.* Colocasia macrorrhiza Schott Mel. et Knth.
Colocasia odora Hortor. Brongn et Knth. pro parte.
Colocasia Indica. Hssk.
Alocasia Indica (pr. parte) C. Kch.

*Observ.* Linnei definitio Ari peregrini ab Ill. Lamarckio pro Aro mucronato recepta identitatem ambarum specierum demonstrat. Annon vero Arum peregrinum Linnei cui folia peltata, cordata usque ad petiolum, obtusa cum

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acumine, costae crassae (v. Hort. Cliff.) tribuuntur ad Alocasiam macrorrhizam nostram cultura divulgatam, ducendum?

4. **commutata** *S. (Oestr. B. Wochbl. 1854. p. 409.)* Caudex elatus, crassus, turiones adventitias basi exserens. Petioli longi, crassi. Lamina fol. (adultae) ampla, submembranacea, sagittato-ovata, acuta, lobo antico late-ovato latitudine sua breviore, lobis posticis ovatis exitu rotundatis, ad petioli insertionem usque nunquam partitis, semper pollicari l. ultra-pollicari (latitudine) diachymatis portione ima basi connexis, lobo antico dimidio brevioribus. Venae primariae sive costales utrinque 8—11, minus crassae, inferne patentissimae, gradatim, quo altius exsertae, magis arrectae, rectae, subapproximatae, venulae e venis exsertae, approximatae. Costae posticae angulo ex acuto in rectum vergente a se invicem distantes. Pseudoneura margini valde approximata. Pedunculi breves, plures ex una axilla. Spatha spadicem excedens, tubo ovoideo, lamina cymbiforme-oblonga, leviter procurva, cuspidulata, ex glauco flavovirente, triplo l. plus triplo superato. Spadix appendice conoidea labyrinthice rugulosa, reliqua parte continue-organifera multo brevior, ovariis paucis, subsensim in stylum brevissimum cylindroideum stigmate paululo diametro excedente coronatum attenuatis, synandriis plurimis. — India orient.

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Khasia, Hook. f., Hongkong, Seemann. — *v. v. cult. et spont. crescent. sicc.*

*Synon.* Arum odorum. Roxb.
Colocasia odora Wight.
Colocasia odora. Hort. et Brongniart pro parte!
Colocasia Indica. Hort. pro parte.
Alocasia odora C. Koch.

5. **alba**. *S. (Oestr. B. Wchnbl. 1852. p. 59.)* Caudex assurgens, crassus, turiones adventitias emittens. Petioli longuli, crassi. Lamina fol. ampla (in adulta), glauca subcoriacea, late- ovato-sagittata, plerumque obtusissima, apiculata, lobo antico longitudine sua latiore, rotundato, posticis fere trapezoideis, ad petiolum usque partitis, ibi vero confluentibus, peltatam insertionem formantibus, sinu parabolico, l. valde-apertosejunctis, antico lobo dimidio brevioribus. Costa crassa. Venae costales utrinque 8, valde prominentes, potius approximatae crassulae, patentissimae quo altiore exsertione minus patentes, venulis remotiusculis. Pseudoneurum intimum fere in margine. Costae posticae antica tertia parte breviores, angulo tandem obtuso a se invicem distantes, in fundo sinus angustissima diachymatis portione, ad extimam tertiam partem repentino dilatatae comitatae. Pedunculi potius breves, plures ex eadem axilla. Spatha spadicem superans, tubo brevi, rotundato ex glauco flavo-viridi; lamina tubo triplo lon-

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giore, oblongo-elliptica, apiculata, primum cymbiformi tandem horizontaliter retrofracta. Spadicis spica feminea globosa, ex ovariis sterilibus composita, neutra brevis contracta mascula brevis diametro aucta, appendix conoidea, acutata, basi lateraliter non prominula. — . . . . . .

*Synon.* Homalomena alba Hassk.
Alocasia pallida C. Kch.

6. **fallax**. *S. (Bonpl. 1859. p. 28.)* Caudex . . . Petiolus longus, vix tenuis. Lamina fol. ex sagittato late-ovata, sat magna, latitudine sua plus duplo longior, lobo antico late-ovato cum lobis posticis duplo brevioribus linea valde arcuata, ad utrumque laminae lateris terminum continua conjuncto, summo apice cuspidulato; lobis posticis ovatis obtusissimis approximatis, ad $^2/_5$ connatis et reliqua parte sinu profundo inferne angusto et rotundato disjunctis. Costa crassiuscula, venas 9—10, infimas patentissimas, superiores patentes, levissime curvulas, supremas fere arcuatim sursum directas exserens. Costae posticae angulo acuto a se invicem distantes, in parte sinus diachymatis expansione e fundo sensim, arcuato margine, angustata praedita. Pseudoneurum internum a margine subremotum l. remotum. Pedunculi longuli. Spathae tubus in fructu oblongus. — Khasia. (Hooker, f.) — *v. s. specim. spontan. ab amicissimo I. D. Hooker mecum communicata.*

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7. **decipiens.** *S. (Bonpl. 1859. p. 28.)* Caudex . . . . . Petioli longi tenues. Lamina fol. ovato- l. oblongo-sagittata, latitudine sua plus duplo longior; lobo antico e medio basin versus levissime-, apicem versus arcuatim-angustato, ovato, acuminate-cuspidato, costa crassiuscula percurso; lobis posticis oblonge-ovatis, obtusis continue-retrorsis, antico duplo brevioribus, sinu late-aperto, profundo, divisis, costas posticas tenues, angulo haud valde acuto porrectas et sinus fundum ibi angusta diachymatis expansione ad $^2/_3$ longitudinis paulo dilatata, deinde arcuate-angustata instruentibus. Costa crassiuscula, venas utrinque 6 — 7 exserens, omnes plus minusve patentes. Pseudoneura margini valde approximata, fere in margine. Pedunculi geminati, longi. Spathae tubus brevis, fructus sphaeroideus. — Pegu. (Mc. Clelland.) — *v. s. spec. spont. in Herb. Hooker.*

*Synon.* Arum fornicatum Wight t. 789.

8. **fornicata** *S. (Oesterr. B. Wchnbl. 1854. p. 410.)* — Caudex abbreviatus. Petioli longi. Lamina fol. sagittata, (modica), latitudine sua plus duplo longior, a medio apicem versus arcuatim in cuspidem brevem angustata, basin versus leviter contracta; lobo antico latitudine sua paulo longiore, lobis posticis elongato-triangularibus, lobo antico duplo brevioribus, retrorsis, ad $^1/_3$ — $^1/_4$ sinus connatis, reliqua parte e sinu profundo,

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aperto, disjunctis. Costa crassiuscula, venas 6—7, infimas patentissimas, superiores patentes, levissime curvulas, supremas arrectas proferens. Costae posticae angulo acuto a se invicem distantes, in parte sinus, diachymatis extensione e fundo sensim magis angustata auctae. Pseudoneurum internum a margine subremotum. Pedunculi longi. Spathae tubus ovoideus utrinque attenuatus, (in fructu ellipsoideus), lamina oblongo-lanceolata cuspidata tubo duplo longior. Spadix spatha brevior. Spica feminea brevis, mascula fere duplo longior, interstitium neutrum infra masculam spicam fere aequilongum; appendix conica interstitio neutro longior. Ovaria longe-stylata. — Bengalia. Assam, Chittagong (Roxb.) — *v. s. spec. spont. in Herb. Hooker.*

9. **navicularis.** *S. (Synops. 1856. p. 47.)* Caudex abbreviatus. Petioli longi. Lamina folii sagittata, (modica), a $^2/_3$ longitudinis apicem versus arcuata linea angustata, acuminato-cuspidata, basin versus leviter contracta; lobo antico latitudine sua dimidio longiore; lobis posticis elongato-triangularibus retrorsis ad $^1/_3$ — $^1/_4$ sinus connatis, reliqua parte e sinu profundo aperto disjunctis, lobo antico dimidio l. duplo brevioribus. Costa crassiuscula, venas utrinque 4, infimas patentissimas, superiores patentes, vix curvulas, supremas arrectas emittens. Costae posticae angulo acuto a se invicem

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distantes, in parte sinus e fundo diachymate sensim magis angustato auctae. Pseudoneurum internum fere in margine. Pedunculi longuli. Spathae tubus sphaerico-ovoideus, utrinque rotundatus, lamina cymbiformis, cuspidata, tubo duplo longior. Spadix spatha paulo brevior. Spica feminea brevis ovarodiis superposita; mascula vix longior; interstitium neutriflorum, vix l. paulo longius; appendix conica, interstitio neutro plus duplo longior. Ovaria stylo manifesto cylindrico donata. — Khasia. J. D. Hooker — *v. s. in Herb. Hooker, f.*

*Synon.* Colocasia Indica. Hortor.
Colocasia fornicata. Hortor.
Colocasia navicularis. C. Koch.

10. **longiloba.** Miquel. *(Bot. Zeit. 1856. p. 564.)* Caudex . . . . . Petiolus longus. Lamina fol. sagittata, fere a lobis posticis in apicem usque rectilineo angustata, acuminata, lobo antico latitudine sua fere l. plus duplo longiore lobis posticis oblongo-lanceolatis retrorsis angustis, ad $^1/_5$ — $^1/_6$ sinus inferne connatis, reliqua parte e sinu aperte-acuto, profundo, remote-disjunctis, lobo antico dimidio brevioribus. Costa crassiuscula, venas utrinque 3—4 exserens, infimas patentissimas, supremas arrectas. Costae posticae angulo acuto a se invicem distantes, longitudine tertia parte quam antica breviores; angusta diachymatis portione (semipollicari) in parte sinus comitatae. Pseudoneurum

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internum margini approximatum. Pedunculi longuli. . . . . — Java (Miquel) — *v. s. specim. spont. in Herb. Zollinger.*

*Synon.* Colocas. heterophyll. Zollinger.

11. **acuminata**. *S. (Bonpl. 1859. p. 28.)* Caudex . . . . . Petiolus longus. Lamina fol. elongato rhombeo-sagittata, lobo antico latitudine sua duplo longiore ab insertione petioli fere ad apicem usque sensim angustato, cuspidato-acuminato; lobis posticis in unum, gradatim angustatum connatis, exitu tantum sinu brevi, interdum brevissimo indicatis, lobo antico dimidio brevioribus. Costa crassula, venas utrinque 4—5 emittens infimas patentissimas, supremas patentes l. arrecto-patentes. Costae posticae exacte antica costa duplo longiore oppositae, approximatae, subparallelae, . . . . . Pseudoneurum intimum a margine subremotum. — Chittagong (Wallich.) — *v. s. in Herb. J. D. Hooker et Thomson.*

12. **montana**. *S. (Oestr. B. Wochenbl. 1854. p. 410.)* Caudex tuberiforme protensus. Petioli potius breves, crassi. Lamina fol. minorum, late-cordato-ovata, apice obtuso apiculata, lobo antico ima sua latitudine aequilongo, cum posticis rotundatis ad petiolum usque partitis, . . . . . sinu aperto in fundo fere rotundato sejunctis, confluente. Costa crassa. Venae costales utrinque 4, . . . . . Pseudoneurum intimum margini valde approximatum. Costae posticae hori-

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zontales, dimidia longitudine anticae, imissima parte utrinque vena solitaria aequicrassa auctae, ibique brevissimo spatio quasi denudatae. Pedunculi petiolo paulo breviores, plures ex eadem axilla. Spatha spadicem excedens, tubo oblongulo; lamina tubo plus triplo longiore, cucullata, acutata. Spadicis spica feminea . . . . . , neutra . . . . . mascula . . . . . ; appendix conoidea acutata, basi subrepentino diametro aucta, antherarum spicam crassitie superans. — Orissa. Roxburgh. —

*Synon.* Arum montanum. Roxb.

? Colocasia montana. Knth.

13. **cucullata.** *S. (Oest. B. Wochenbl. 1854. p. 410.)* Caudex elatus, firmus, crassus, basi turiones adventitios plurimos exserens. Petioli longissimi, basin versus valde-incrassati. Lamina fol. modica fere minorum laete-viridis, subcoriacea bullata, late-cordato-ovata, acutata, cuspidulata; lobo antico, latitudine sua duplo longiore cum lobis posticis rotundatis, cucullatis, peltatim angusta diachymatis portione connexis, sinu brevissimo, in fundo acuto, ceterum late-aperiente praeditis, indistincte confluente. Costa praecipue inferne valde-incrassata. Venae costales, ad mediam laminam usque vix exsertae, crassae, ut reliquae lobi postici utrinque valde prominentes, inferiores omnium valde arcuatae apicem laminae versus longe-procurrentes, supremae erectae

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in cuspidulum conjunctae. Pseudoneurum in apice laminae tantum. Pedunculi subsolitarii, vix longuli. Spatha spadicem superans, tubo oblongo laminam cymbiformem, cuspidato-apiculatam aequante l. superante. Spadix inferne ovariis perfectis l. imperfectis in spicam brevem collocatis, deinde per duplo longius spatium synandrodiis, sequente spica mascula brevi obtectus, appendice crassitie fortiori; repentino l. abrupte prominente, conica, brevi, terminatus. — Bengalia. (Roxburgh.) — *v. v. cult.*

*Synon.* Arum ramosum. Hortor.
Colocasia cucullata. *S.* (Melet.)

14. **rugosa.** *S. (Oest. B. Wchnbl. 1854. p. 410.)* Caudex assurgens, lente-accrescens, haud valde crassus, basi turione adventitio uno alterove auctus. Petioli longissimi ab apice vaginae basin versus valde incrassati. Lamina fol. parva laete-viridis, subcoriacea, rugoso-bullata, ovata l. sub-cordato-ovata, acuminata, latitudine $^2/_3$ longitudinis, cochleato-concavata, basi angusta diachymatis portione peltata, ceterum ibi margine incurvo subcucullata. Costa crassa. Venae costales l. potius laminae, arcuatim sursum longe-procurrentes, sub-5, crassae, supra subaequatae, infra valde-prominentes. Pedunculi. . . . . — . . . . . — *v. v. cult.*

*Synon.* Colocasia rugosa. Knth.
Colocasia cochleata. Miq.

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D u b i a e.

15. **rapiformis**. *S.* Herbacea, ecaudicata rhizomate tuberoso, rapiformi. Folia cordata, subrepanda. Spatha spadicem paulo superans, concava. . . . . (R o x b.) — Pegu.

*Observatio Roxburghii.* Differt ab A. montana, quacum faciliter confundenda, forma et natura radicis (rhizomatis).

*Synon.* Arum rapiforme. R o x b.
? Colocasia rapiformis. K n t h.

16. ? **Species**. Spathae lamina albida, obtusa. — B o o t a n.

*Synon.* Aroidea caulescens Griff. Not. II. p. 202. Nr. 1181.

E x c l u d e n d a e.

**Alocasia Boryi**. *S.* Syn. = Aloc. Ind. varieg. *S.*

**Alocasia Indica**. C. K c h. pro parte. = Aloc. macrorrh. *S.*

**Alocasia metallica**. C. K c h. = Aloc. Ind. var. *S.*

**Alocasia odora**. C. K c h. — Aloc. commut. *S.* pro parte.

**Alocasia pallida**. C. K c h. = Al. alba. *S.*

**Alocasia undipes**. C. K c h. Xanthos. Jacq. *S.*

**Alocasia variegata**. C. K c h. = Aloc. Ind. var. *S.*

**PELTANDRA**. R a f i n e s q u e. Spathae tubus vegeto-persistens. Spadix liber, obsolete-appendicatus, brevis, ovariis synandriisque contiguis, inferne apiceque imperfectis, medio

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perfectis dense obsitus. Ovaria involucro circumdata in stylum brevissimum attenuata, ovulis in placenta lateraliter adscendente paucis, breviter funiculatis, erectis. Stigma depresso-capitatum. Synandria sessilia.

Folii venae et venulae dense approximatae, subparallelae, pseudoneuris connexae.

1. **Virginica.** Rafin. *(In Journ. de Physique etc. par Blainville Tom. 89. p. 103 — 1819.)* Folii lamina sagittata, lobis posticis juxta petiolum vix connexis. Pseudoneura margini approximata. Spathae lamina tubo duplo longior, albida? Spadicis pars feminea quam mascula paulo tantum brevior. Ovaria uniovulata. — Amer. boreal. — *v. s. spontan.*

*Synon.* Caladium glaucum. Eliot.
Peltandra undulata. Schott. Syn.
Arisaema hastat Blume. in Herb. Paris. fide del. spec. ibi asserv.
Arum Virginic. Blume.

2. **undulata.** Rafin. *(l. s. c.)* Folii lamina sagittata, lobis posticis juxta petiolum vix confluentibus. Pseudoneura a margine magis remota. Spathae lamina tubo 4-plo et ultra longior, virens, margine undulato albido, apice recurva. Spadicis pars feminea brevis, mascula longa. Ovaria pluri-, raro uniovulata. — Amer. boreal. — *v. s. spontan.*

*Synon.* Caladium Virginicum. Hooker.
Peltandra Virgin. *S.* Synops.

**SUBTRIBUS ANUBIADINAE.** *S.* Ovaria libera pluri-locularia. Placentae centrales, axifixae. Ovula

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hemianatropa, funiculo deflexo, micropyle tholispectante.

**ANUBIAS.** *S.* Spatha fere ad apicem usque cylindrice voluta lamina hiante. Spadix spatham excedens, ubique organis tectus, inferne ovariis, medio synandrodiis, reliqua parte synandriis, apicem versus imperfectis. Ovarii loculamenta multiovulata. Stylus brevissimus. Stigma discoideo-hemisphaericum. Synandrii loculi connectivo breviores. Synandrodia synandriis similia.

1. **Afzelii.** *S. (Oesterr. B. Wochenbl. 1857. p. 399.)* Petiolus 5—6-pollicaris, tenuis, ultra medium vaginatus, apice in geniculum longulum transiens. Lamina fol. elongato-lanceolata, petiolo multo longior, inferne cuneata, et ima basi abrupte cum geniculo juncta, apice longe-acuminata, venis arcuato-patentibus, approximatis, creberrimis, hinc inde confluentibus, pseudoneuris in ipso margine 2—3, venulis transversis copiosissimis, approximatissimis, tenuissimis. Pedunculus 9—10 pollices longus, tenuis. Spatha bipollicaris, apice repentino contracta, apiculata. Spadix tenuis spatham 6-ta parte superans, breviter-stipitatus, parte feminea et mascula densiflora. — Sierra Leone. Afzelius. — *v. specim. spontan. in Herbar. Afzelii.*
2. **Barteri** *S.* Rhizoma prorepens. Petioli 5—6 pollices longi, tenues, ultra medium anguste-vaginati, apice in geniculum longulum

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producti. Lamina fol. cordato-sagittata, petiolo brevior, $3^1/_2$ pollices longa, pollices 2 lata, ad basin sinu levi instructa, apice cuspidato-acuminata, venis arcuato-patentibus, approximatis, creberrimis, hinc inde confluentibus, pseudoneuris in ipso margine 2—3, venulis transversis, copiosissimis, approximatissimis, tenuissimis. Pedunculus petiolo longior, tenuis. Spatha retrorsa lanceolata, inferne amplexa, apice cuspidato-acuminata. Spadix tenuis quam spatha longior, subsessilis, parte feminea sparsi-, mascula densiflora. — Fernando-Po. Barter. — *vid. s. specim. spontan. in Herbar. Hooker.*

**SUBTRIBUS SYNGONINAE.** *S.* Ovaria (desciscentes exceptae!) plus minusve connata, plurilocularia (abortu et excentrice unilocularia). Placentae centrales. Ovula anatropa. Baccae connatae (in legitimis).

Desciscentes. Ovaria non connata.

**TYPHONODORUM.** *S.* Spatha basi tubuloseconvoluta, reliqua parte in laminam apertam elongata. Spadix spatham subaequans l. paulo brevior, inferne femineus, ovariis et superpositis organis neutris onustus; superne masculus, synandriis et longo spatio terminali staminodiis distinctis obsitus. Ovaria 1-locularia, uniovulata, stigmate amplo, depresso- 4-lobo coronata. Organa neutra (inferiora) ovariis contigua, (fere transverse

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serietim coordinata), ex compresso-prismatica, truncata. Synandria ex antheris 3—4 connata, sessilia, loculis apice rimula aperientibus. Staminodia sive organa neutra terminalia, obpyramidalia, tenuia, copiosissima, 3—4 basi connexa, flosculos 3—4-meros formantia.

1. **Lindleyanum**. *S. (Oest. B. Wochenbl. 1857. p. 70.)* Petiolus crassus, inferne vagina deliquescente vaginatus. Lamina fol. late ovata, 18 pollices longa, sub 12 pollices lata, basi fere truncata et juxta petiolum cuneatim angustata, angulis posticis rotundatis, apice subacuminata, costa et venis utrinque quinis, remotis crassis, cum venulis e costa et venis exortis tenuissimis, densissimis, parallelis, pseudoneuris extimi margini abrupte insertis. Pedunculus crassus. Spatha 17—18 pollices longa, acuminata, tubo 4-pollicari. Spadix ad $^2/_5$ ovariis et synandriis, reliqua parte (terminali) conico-cylindrica staminodiis obsitus. — Madagascaria. — *v. s. specim. spontan. in Herbar. Lindleyano.*

**HAPALINE**. *S.* Spatha basi convoluta, lamina ligulari recumbente. Spadix parte feminea spathae accretus, mascula liber. Ovaria biserietim exserta, alternantia, remota, unilocularia, uniovulata, ovulo lateraliter fundum versus affixo, breviter-funiculato, erecto, (micropyle fundum versus spectante). Stigma sessile. (Staminodia ovariis superposita panca,

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conica.) — Synandria peltata, stipite tenuissimo, pelta majuscula, tenuissima, loculis minutissimis, remotissimis, pendulis, rimula aperientibus. —

1. **Benthamiana.** *S. (Oest. B. Wochenbl. 1857. p. 86.)* Pusilla, folio unico? Lamina fol. ex ovato sagittata, peltata, sesqui- l. bipollicaris. Pedunculus petiolo longior, tenuissimus. Spatha lanceolata-linearis. Spadix subulatus. — Nepalia? Gomez. — *v. s. spec. in Herb. Bentham.*

Eusyngoninae.

Ovaria plus minusve connexa.

**CALADIUM** Vent. Spathae tubus vegeto-persistens, faux constricta, lamina cymbiformis, (alba). Spadix inferne femineus, sequente parte constricta neutriflorus, apicem versus masculus. Ovaria contigua plerumque superne connexa, subbilocularia, pluriovulata, ovulis centro axifixis, breviter-funiculatis. Stylus nullus. Stigma hemisphaericum. Ovula omnia micropyle fundum spectantia. Baccae spathae tubo tandem disrumpente obvallatae, albae, subito deciduae. Semina ovoidea, sulcato-costata.

Tuberosa. Herbae lactantes. Folia peltata, venis intrusis. Pedunculi longi solitarii. Spadix fragrans, — Americana.

1. **Schomburghii.** *S. (Oest. B. Wchnbl. 1858. p. 122.)* Petiolus teres. Lamina fol. late-triangularis, basi subtruncata, marginibus

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juxta petiolum confluentibus brevissime-peltata, apice acuminata, angulis lateralibus rotundatis, venis inferioribus patentissimis, supremis patentibus, pseudoneuro interno a margine remoto. Spatha (minorum), tubo oblongo-ovoideo, lamina tubo triplo fere longior, apice cuspidato-acuminata. Spadix spatha cuspide brevior, stipite brevi spathae dorso accretus, spica feminea cylindroidea, neutriflora vix feminea longior, mascula quam neutra triplo longior, medio incrassata. Ovaria stigmate lato coronata, multi-ovulata. Organa neutra vertice oblongula. — Guiana anglica. (Schomburgh.) — *v. s. spec. spont. in Herb. Hook.*

2. **sororium**. *S. (Oest. B. Ztsch. 1859. p. 38.)* Petiolus teres, longus, laevis. Lamina fol. ovata, subacuminata, inferne leviter cordato-sinuata, lobis convergentibus rotundatis, venis lobi antici patentibus, pseudoneuro intimo margini approximato. Spathae tubo oblongo-ellipsoideo, lamina tubo plus duplo longiore, cuspidata. Spadix spatha multo brevior, stipite brevi spathae dorso accreto, spica feminea elongato-cylindroidea, neutriflora feminea longiore, mascula omnium longissima, medio incrassata. Ovaria stigmate amplo obtecta, ideoque stigmata ovariorum sese tangentia. Organa neutra, (synandrodia) vertice rotundata, remota? . . . . . Brasilia borealis. (Spruce.) 2755 *v. s. specim. in Herb. Bentham.*

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3. **asperulum**. *S. (Oest. B. Wochenschr. 1853. p. 313.)* Petiolus teres, longus, lineis asperatis praeditus. Lamina fol. laete-viridis ovato-sagittata, acuta, cuspidulata, inferne oblique-contractiuscula, lobis obtuse-triangularibus, retrorsis, ad medium connatis, exitu sinu acuto aperto distantibus; venis lobi antici sesquilongioris aperte-patentibus, pseudoneuro intimo margini approximato. Pedunculus asperulus. Spathae tubus sphaeroideus, intus pallidus, extus ex albido-virens; lamina tubo plus duplo longior, cuspide longula aucta. Spadix spatha cuspide brevior, stipite nullo; spica feminea cylindroidea; neutriflora paulo longiore subconoidea tubo inclusa; mascula medio incrassata apice acutata reliqua spica duplo circiter longior. Ovaria stigmate amplo flavo obtecta, ibique connexa loculis haud dimidium pistillum metientibus. Organa neutra contigua vertice compresso convexula, sordide-pallide-flaventia. Synandria pallide-flaventia. — Venezuela. Appun. — *v. v. cultum.*

*Synon.* Calad. pallidum. C. Kch.

? — concolor. C. Kch.

4. **Vellozianum**. *S. (Bonpl. 1859. p. 163.)* Petiolus teres longus, virens? — Lamina fol. viridis, sagittato-ovata, subacuminata, inferne oblique-contractiuscula, lobis late-triangularibus obtusis l. subacutatis, subextrorsis, ultra medium connatis, exitu sinu fundo obtusulo, angustiore, subrepentino-aperto

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distantibus; venis lobi antici paulo longioris patentibus, pseudoneuro intimo a margine subremoto. Pedunculus laevis. — Brasilia, Bahia. — *v. s. in Herb. D.C.*

*Synon.* Arum Vermitoxicum Fl. Flum.

5. **firmulum**. *S. (Oesterr. B. Wochenbl. 1854. p. 417.)* Petiolus teres, brevis, laevis. Lamina fol. viridis? sagittato-rhomboidea l. ovato-triangularis, brevis, concolor, inferne profunde-partita, apice acutata, lobis posticis late-triangularibus, exitu obtusulis subextrorsis, ad 5-tam imam partem tantum connatis, sinu acuto, dilatato distantibus; venis lobi antici paulo longioris aperte-patentibus; pseudoneuro intimo margini approximato. Pedunculus laevis, folio longior, (an semper?). Spathae tubus ovoideus, . . . . . .; lamina tubo duplo longiore, cuspidulata. Spadix spatha paulo brevior, stipite vix ullo; spica feminea cylindroidea, neutriflora apicem versus incrassata paulo brevior, mascula medio incrassata, obtusa, reliquae spadicis partis longitudine. Ovaria stigmate parvo coronata. Organa neutra contigua, compressa. Synandria . . . . . — Peruvia. (Philippi.) — *v. s. specim. spont. in Herb. G. Berol.*

6. **smaragdinum**. C. Kch. *(App. 1853. p. 3.)* Petiolus teres, longus, laevis. Lamina fol. supra saturate-viridis, infra ex glauco pallidius-viridis, late-ovata, inferne leviter-

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partita, apice sub-cuspidato-acuminata, lobis posticis late-ovatis, rotundatis, oblique-convergentibus, duas tertias partes l. ultra connatis, sinu subacuto, mox late-aperto exitu disjunctis; venis lobi antici haud exacte duplo majoris aperte-patentibus; pseudoneuro intimo a margine parum distante. Pedunculus laevis petiolo multo brevior. Spathae tubus depresse-sphaeroideus, utrinque albidus; lamina tubo triplo longior, cuspidulata. Spadix spatha cuspide brevior, stipite vix ullo; spica feminea cylindroidea, brevis, neutriflora paulo longior; mascula medio incrassata apice acutata reliqua spadicis parte plus duplo longior. Ovaria pallida, stigmate modico, luteo coronata. Organa neutra vix compressa, pallide-rosea. Synandria sordide-pallide-flaventia. — Caracas? — *v. v. cult.*

7. **marginatum.** C. Kch. *(Append. 1854. p. 6.)* Petiolus teres, longus, laevis. Lamina fol. supra suturate-viridis, infra glauco-viridis, extimo margine linea rubra limbata, late-ex sagittato-ovata, inferne ultra mediam peltam partita, apice cuspidata, lobis posticis retrorsis, subconvergentibus, ovato-oblongis, obtusis l. rotundatis, sinu obtusulo aperto distantibus; venis principalibus lobi antici sesquilongioris, aperte-patentibus, (utrinque subtribus); pseudoneuro intimo a margine remotiusculo . . . . . Patria . . . . . — *v. v. cult.*

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8. **Purdieanum.** *S. (Oestr. B. Zeitschr. 1859. p. 38.)* Petiolus teres longus, laevis. Lamina fol. viridis? sagittato-ovata, cuspidata, inferne ultra mediam peltam partita, lobis posticis ovato-oblongis obtusis, retrorsis l. subextrorsis, $^1/_3$ connatis reliqua parte sinu in fundo obtusulo mox aperto disjunctis; venis lobi antici paulo l. subsesquilongioris aperte-patentibus; pseudoneuro intimo a margine parum remoto. Pedunculus laevis, petiolo paulo brevior. Spathae tubus ovoideus . . . .; lamina tubo plus duplo l. fere triplo longior, cuspidulata. Spadix spatha multo brevior, stipite vix ullo; spica feminea cylindroidea quam neutriflora conoidea brevior, mascula medio incrassata, apice acutata reliquo spadice longior. Ovaria stigmatibus dilatatis contigua. Organa neutra compressa. — Nova Granata? (Purdie.) — *v. s. spec. spont. in Herb. Hooker.*

*Observ.* „Jumba Coco" Nigritorum. Reperta prope „Fairy Hill", „Portland" Purdie. — Affine C. marginato. C. Kch?

9. **Spruceanum.** *S. (Oesterr. B. Zeitschr. 1859. p. 38.)* Petiolus teres, longus, purpurascens. Lamina fol. concolor, sagittata, acuminata, inferne ultra medium bipartita, lobis posticis elongato-triangularibus, obtusis, retrorsis, $^3/_4$ connatis; venis lobi antici subduplo longioris aperte patentibus, patentibusque, pseudoneuro intimo a margine parum remoto. Pedunculus laevis, purpurascens, pe-

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tiolo longior. Spathae tubus elongato ellipsoideus; . . . . . ; lamina tubo vix duplo longior, apiculata. Spadix spatha 5-ta parte brevior, stipite praelongo; spica feminea cylindroidea quam neutriflora cylindroidea quoque, paulo brevior; mascula subcylindroidea, utrinque attenuata reliquo spadice longior. Ovaria pallide flava stigmatibus contiguis instructa. Organa neutra compressa antherarum spica carnea. — Brasilia, provincia Rio Negro. (Spruce.) — *v. s. spec. spont. in Herb. Hooker.*

10. **Surinamense.** Miquel. *(Delect. sem. 1853.)* Petiolus teres, longus, laevis variegatus. Lamina fol. viridis, maculis albidis saepe conspersa, irregularibus, magnitudine variabilibus; sagittato-oblongata, cuspidata, inferne ad mediam l. ultra mediam peltam partita; lobis posticis triangulare-oblongis, obtusis, subextrorsis, $^1/_3$ connatis, reliqua parte sinu in fundo obtuso aperto disjunctis; venis lobi antici paulo- l. sesquilongioris aperte-patentibus; pseudoneuro intimo a margine subremoto. Pedunculus laevis, petiolum aequans l. superans. Spathae tubus oblique-sphaeroideus l. ovoideus; utrinque virens; lamina tubo duplo triplove longior, cuspidulata flavicans. Spadix spatha fere multo brevior, stipite vix ullo; spica feminea subcylindroidea quam neutriflora oligantha duplo longior; mascula reliqua spadice duplo fere longior. Ovaria flavicantis

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stigmatibus minutis pallidis coronata. Organa neutra pallide-rosea, haud multo compressa. Synandria flavida. — Surinama. (Miquel.) — *v. v. et s. spontan. in diversis Herbariis.*

11. **marmoratum**. Mathieu. *(Catal. et Icon.)* Petiolus teres, longus, laevis, irrorato-variegatus. Lamina fol. supra laete- l. saturate-viridis, maculis irregularibus griseis, flavo-viridibus et niveis picta, infra glauco-viridis, maculis flavo-viridibus l. niveis nonnullis conspersa, sagittato-oblongo-ovata, cuspidulata, inferne ad mediam peltam partita, lobis posticis oblongis, obtusis, conniventibus, ad medium connatis, reliqua parte sinu in fundo obtusulo gradatim aperto disjunctis; venis lobi antici subsesquilongioris aperte-patentibus; pseudoneuro intimo a margine subremoto. Pedunculi laeves, irrorato-variegati, petiolo breviores. Spathae tubus sphaeroideus, utrinque virens; lamina tubo duplo longior, cuspidulata, alba. Spadix spatha fere multo brevior, stipite brevi; spica feminea cylindroidea, quam neutriflora fere brevior; mascula dimidium spadicem metiens. Ovaria flaventia, stigmatibus minutis, pallidis coronata. Organa neutra violascentia, inferiora haud-, superiora valde-compressa. Synandria albida. — Guayaquil. Mathieu. *v. v. cultum.*

12. **pictum**. D. C. *(4-me Note plant. Jard. Genev. p. 38. 1826.)* Petiolus teres, longus.

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laevis, obsolete lineolis transversis saturatius coloratis, praecipue inferne notatus. Lamina fol. sagittato-ovata l. oblonga cuspidata, supra, infraque (pallidius), ex glauco-virescens, maculis majusculis, irregularibus, saepe confluentibus, pallide-flaventibus, subdiaphanis picta, inferne ultra mediam peltam partita; lobis posticis triangulare-oblongis, obtusis, conniventibus, ad $^1/_4$ fere tantum connatis, sinu acuto, sensim aperto reliqua parte disjunctis . . . . . — Patria? — *v. v. cultum.*

13. **poecile.** *S. (Melet. I. p. 18. 1832.)* Petiolus teres, longus, laevis, basin versus l. ex toto rubro-fuscus, l. obsolete ex rubro-fusco dense-striato-variegatus. Lamina fol. supra laete- l. saturate-viridis, juxta costas l. in costis et venis primariis ex albido, in petioli pelta rubro tincta, in extimo margine linea rubra cincta, infra ex glauco-viridi pallida, triangulari-sagittata, cuspidata, inferne ultra mediam peltam partita, lobis posticis oblongis obtusis, extrorsis ad $^1/_4$ connatis, reliqua parte sinu in fundo obtusulo per breve spatium sensim apice raptim late-aperto disjunctis; venis lobi antici vix dimidio longioris aperte-patentibus; pseudoneuro intimo a margine subremoto. Pedunculus petioli colore. Spathae tubus breviter-ovoideus, extus viridis, intus pallide-viridis, in fundo atropurpureo tinctus; lamina tubo duplo longior, cuspidulata, albida, l. ex flavido-albida. Spadix

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spatham subaequans l. paulo brevior, stipite brevi sustentus; spica feminea subglobosa, quam neutriflora brevior; mascula clavata, apice apiculata. Ovaria rubentia stigmate minuto, pallide-flavo coronata. Organa neutra superiora compressa. Synandria pallide-flaventia. — Brasilia. — *v. v. spont. et cult.*

14. **pellucidum** *D. C. (4-me Note pl. Jard. Genev. p. 38. 1826.)* Petiolus teres, longus, laevis, ex rubello et fusco variegatus. Lamina fol. supra secus costas et venas primarias rubras rubens, in extimo margine linea quoque rubra cincta, hinc inde sed irregulariter maculis diaphanis plus minusve copiosis, plus minusve extensis notata, infra pallidius picta, ex hastato l. sagittato ovata, apice repentino cuspidato-acuminata, inferne ultra mediam peltam partita, lobis posticis oblongo-triangularibus, obtusis, retrorsis l. subextrorsis ad $^1/_4$ connatis, reliqua parte sinu in fundo obtusulo sensim l. raptim aperto disjunctis, venis lobi antici paulo longioris aperte patentibus; pseudoneuro intimo margini approximato. Pedunculus petiolis pallidior fusco variegatus. Spathae tubus breviter ovoideus, extus viridis, l. rubens, intus pallide-ex albo virens fundo purpureo; lamina tubo duplo l. plus duplo longior, cuspidulata, albida. Spadix spatha paulo brevior, stipite perbrevi instructa; spica feminea oblongula;

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quam neutriflora brevior; mascula clavata, apicem versus attenuata. Ovaria rubella stigmate minuto albido. Organa neutra superiora compressa. Synandria albida. — Patria? — *v. v. cult. et sicc. cult.*

*Synon.* Caladium discolor. Hort.
Caladium haematostigmum. Hort.

*Observ.* E semine educta constans! Varietas „haematostigmum“ laminam ex toto viridem rubello pellucide maculatam profert, sed cum pellucido legitimo e seminibus Caladii pellucidi exoritur.

15. **bicolor**. Vent. *(Cels. t. 30. 1800.)* Petiolus teres, laevis, pallide-variegatus. Lamina fol. supra in disco ex toto rubicunda in extimo margine viridis, infra pallidius colorata, ex sagittato ovata, l. ovato-triangularis, apice repentino in cuspidem latam vero brevem angustata, inferne ultra mediam peltam partita, lobis posticis latis oblongo-ovatis, obtusis l. obtusissimis, subextrorsis, ad $^1/_5$ connatis, reliqua parte sinu in fundo plus minusve obtuso sensim l. raptim aperto disjunctis; venis lobi antici paulo longioris aperte patentibus, pseudoneuro intimo a margine-subremoto. Pedunculus minus variegatus. Spathae tubus breviter-ovoideus, extus viridis, intus ex albido-virens; lamina tubo vix duplo l. plus duplo longior, alba, apice cuspidato-apiculata. Spadix spatha paulo brevior, stipite brevi adnato sustentus; spica feminea breviter cylindroidea,

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quam neutriflora brevior; mascula clavata apicem versus attenuata. Ovaria rubella, stigmate modico albido. Organa neutra superiora compressa. Synandria sordide-albida. — Brasilia. — *v. v. cult.*

16. **picturatum**. Linden. *(Catal.)* Petiolus teres, laevis, inferne variegatus, elongatus. Lamina fol. supra juxta costam et venas primarias rubras, rubicunde l. roseo, maculis punctisque subsejunctis dispersisque picta, in extimo margine viridis, infra pallida, ex sagittato lanceolata, apice cuspidata, inferne ultra mediam peltam partita, lobis posticis lanceolatis, subacutatis, retrorsis, ad $^1/_4$—$^1/_5$ connatis, reliqua parte sinu in fundo subacuto sensim aperto disjunctis; venis lobi antici paulo longioris aperte-patentibus; pseudoneuro intimo a margine subremoto. Pedunculus more petiolorum variegatus. Spathae tubus breviter ovoideus, extus viridis, intus excepto fundo atropurpureo flavo-virens; lamina tubo sesquilongior alba, flavo-viridulo leviter tincta, cuspidato-apiculata. Spadix spatha paulo brevior, stipite adnato perbrevi suffultus; spica feminea cylindroidea, quam neutriflora brevior; mascula clavata, apicem versus subacutata. Ovaria viridula, stigmate lato flavo coronata. Organa neutra superiora compressula. Synandria alba. — Maynas. — *vid. v. cultum.*

*Observ.* Seminibus educta specimina ex

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toto cum planta fructifera congruunt, pictura tantum interdum alba!

17. **Humboldtii.** *S. (Oestr. B. Wchbl. 1854. p. 417.)* Gracile. Petioli variegati. Lamina fol. ovato-oblonga, acuminata, inferne ad mediam peltam partita, lobis posticis liberis retrorsis subsemiovatis, sinu fundo obtusulo sensim aperto sejunctis, secus costam venas primarias et in margine viridis, interveniis principalibus maculisque punctiformibus ubique conspersis, diaphanis albis insignita, venis lobi antici aperte-patentibus; pseudoneuro intimo a margine remotiusculo. — S. Carlos del Rio-negro. Humb. — *v. s. spec. spont. in Herb. Humboldtiano.*

*Synon.* Caladium argyrites Lemaire.

18. **Macrotites** *S. (Oesterr. B. Wochenbl. 1855. p. 20.)* Petiolus teres, laevis, longus. Lamina fol. concolor? subhastato-sagittata, partitionibus omnibus anguste elongato-lanceolatis, acuminatis, posticis imo tantum connatis, sinu lato sejunctis antico longioribus; venis lobi l. partitionis anticae patentibus; pseudoneuro intimo a margine subremoto. Pedunculus longus. Spathae bipollicaris lamina oblonga acuminata tubo paulo longior. Spadix tenuiusculus lamina 5-ta parte brevior; spica feminea neutra spica brevior; mascula utrinque attenuata. Ovaria stigmate minuto coronata. — Maypuré in humidis. Humb. — *v. s. specim. spontan. in Herb. G. Berol.*

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Minus cognita.

19. **argyrospilum** Lemaire. *(Illustr. Hortic. V. Misc. p. 59. 1858.)* Petiolus teres, laevis, griseo-roseus, striolatus. Lamina acutata, inferne sinu lato praedita, margine undulata, lobis distantibus, obtusis, viridis, nitida, (infra pallida glaucidula), numerose sed distanter irregulariterque albo-maculata, umbone peltae coccineo, margine linea rubella cincta. — *v. f. s.*

20. **Neumannii** Lemaire. *(Illustr. Hortic. V. Misc. p. 58. 1858.)* Petiolus laevis, pallide-viridis l. et fusco-variegatus. Lamina fol. ampla, subacuminata, undulata, umbilicata, viridis, nitida supra, valde pallida infra, lobis distantibus rotundato-obtusis, maculis numerosis, sparsis, irregularibus, laete-roseis. — *v. f. s.*

21. **Brongniartii** Lemaire. *(Illustr. Hortic. V. Misc. p. 58. 1858.)* Petioli laeves, griseo-rosei fuscescentes. Lamina acutata l. breviter acuminata, umbilicata, margine undulata, lobis divaricatis, distantibus, plus minusve rotundatis, viridis holosericeo-nitida supra, pallida glaucescens infra, venis validioribus, laete-roseis colorem disco spargentibus. — *v. f. s.*

*Obsv.* Affinis C. bicolori, splendido! (Lemaire.)

22. **Houlletii** Lemaire. *(Illustr. Hort. V. Misc. p. 59. 1858.)* Petiolus laevis, pallide-viri-

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dis, concolor. Lamina subacuminata, basi lobis approximatis rotundatis, ad confluentiam cum lobo antico contractis, supra pallide-viridis, subnitidula, discum et praecipue umbilicum versus ex albido pallescens, venis albidis, medio pallide-roseis, subtus valde pallida sed non glaucescens, maculis et punctis sat numerosis distantibus, sparsis notata. — *v. s. f.*

23. **Chantini.** Lemaire. *(Illustr. Hortic. V. t. 185. f. t. 1858.)* Petiolus laevis viridulus l. rosaceus. Lamina valde ampla, umbilicata, lobis distantibus, rotundatis, apice acutata, laete-viridis, nitita, venis latis laete-roseis, colorem diffundentibus, pallescentibus, maculis numerosis valde irregularibus distantibus l. confluentibus albidis disco deliquescenter amoene-roseis notata. —*v. f. s.*

24. **Verschaffeltii.** Lemaire. *(Illust. Hortic. V. t. 185. f. 2. Mist. p. 59. 1458).* Petiolus laevis, robustus, pallide-viridis, concolor. Lamina fol. amoene viridis ampla, subopaca, subtus pallide glaucescens, apice acutata l. brevissime acuminata, lobis distantibus subobtusis, maculae rarae, sparsae, irregulares rubrae, e pluribus minutis formatae; margo leviter undulatus. — *v. f. s.*

25. **hastatum.** Lemaire. *(Illustr. Hortic. V. Misc. p. 61. 1858.)* Petiolus robustus, albidus, lineolis valde approximatis violaceis notatus. Lamina fol. elongata hastata, leviter supra lobos contracta, apice angustata

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et leviter acuminata, margine levissime sinuato-crenulata, lobis elongatis, divaricatis, inaequilateris, latere interno leviter arcuato multo angustiore, pallide viridis maculis numerosis valde irregularibus, minoribus quasi confluentibus formatis, albis diaphanis, infra pallide-viridis, sinus loborum coccineo notatus. — *v. f. s.*

26. **subrotundum.** Lemaire. *(Illustr. Hortic. V. Misc. p. 60. 1858.)* Petiolus albens lineolis approximatissimis nigricantibus. Lamina fol. cordiforme-rotundata, breviter acuminata, laete viridis, nitida supra, glaucidula infra, lobis brevibus rotundatis marginibus rectis, vix perspicue roseo limbatis, loborum coccinco limbatis umbilico pariter coccineo. —

27. **tripedestum.** Lemaire. *(Illustr. Hortic. V. Misc. p. 59. 1858.)* Petiolus laevis, pallide-viridis, concolor. Lamina fol. breviter acuminata, lobis parum distantibus, rotundatis, margine vix undulata, supra laete sed flavescenter viridis, infra pallide glaucescens, maculis latis sat numerosis, irregularibus, albido-virentibus saturatiore viridi punctulatis. —

*Obs.* C. marmorato affine.

Valde dubia.

28. **violaceum.** Desf. *(Cat. Hort. Paris.* p. 8.) Folia peltata, cordata, ovato-elliptica, acuta, disco violacea, lobis basilaribus brevibus, rotundatis, patulis. — Antillae?

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29. **reticulatum.** Desf. Cat. ed. I. p. 6. absque descriptione.

Excludenda.

**arborescens.** Vent. = Dieffenb. Ventenatiana. *S.*

**arboreum.** Hortor. = Syngon. decipiens. *S.*

**argyrites.** Lemaire. = Calad. Humboldtii. *S.*

**argyrostigma.** *S.* Melet. = Colad. pictum. *D. C.*

**colocasioides.** Brongn. = Coloc. antiq. var. *S.*

**concolor.** C. Koch. = Calad. asperulum. *S.*

**cupreum.** C. Koch. = Aloc. Indica, var. *S.*

**discolor.** Hort. = Calad. pellucid. *D. C.*

**distillatorium.** Williamson. (Rich. Taylor Annal. and Mag. of Nat. Hist. Vol. I. second series, p. 188. — 1848.) — quid? forte Leucocasia gigantea. *S.*

**giganteum.** Blume. = Leucocas. gigant. *S.*

**glycyrrhizon.** Fraser. = Coloc. antiq. var. *S.*

**haematostigma.** Hort. = Calad. pellucid. var. *D. C.*

**heterophyllum.** Presl. = Coloc. heteroph. Knth.

**Indicum.** Hortor. = Alocas. spec. plur. et Leucocasia.

**lividum.** Loddig. = Asterostig. spec.

**metallicum.** V. Houtte. = Aloc. Indica, var. *S.*

**nymphaeifolium.** Griff. = Coloc. antiq. *S.*

**pallidum.** C. Koch. = Calad. asperul. *S.*

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**petiolatum.** Hooker. = Anchom. Hook. *S.*
**plumbeum.** C. Kch. = Aloc. Ind. var. *S.*
**pumilum.** Don. = Gonatanth. sarm. Klzsh.
**striatipes.** *S.* Syn. = Acontias striatipes. *S.*
**zamiaefolium.** Lodd. = Zamioculcas Lodd. *S.*

**XANTHOSOMA.** *S.* Spathae tubus vegeto-persistens, faux constricta, lamina cymbiformis (diversicolor). Spadix inferne femineus, parte constricta inscquente neutriflorus, apicem versus masculus. Ovaria apice (parte stylina placentiforme dilatata) arcte connata, 2-3-4-5-locularia, utplurimum 3-4-locularia, loculamentis multiovulatis, ovulis axifixis, longe-funiculatis. Stylus manifestus nullus. Stigma depresso-placenti-forme, flavo-glutinosum. Ovula vage collocata, micropyle sursum deorsumque directa. Baccae spathae tubo vegeto-persistenti obvolutae, secedentes, succulentae, polyspermae, quasi epidermide tantum semina obtegentes. Semina ellipsoidea, costato-striata, minuta.

Caudex interdum exaltatus, ut folia lactans. Folii lamina sagittata, impeltata, venis intrusis, pseudoncuro intimo margini approximato. Pedunculi breves, plures ex eadem axilla. Spadix gravcolens. — Americana.

1. **sagittifolium.** *S. (Melet. I. p. 19. 1832.)* Caudex seu rhizoma erectum, breve. Folia pruina fugaci obtecta. Petioli virides. Lamina fol. sagittato-ovata, lobis posticis subinversis, acute-apiculatis, antico acuminato-apiculato. Costae posticae (loborum) basi in

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sinu non denudatae. Venae principales aperte-patentes utrinque in juvenculis 4, in adultis sub-9, in pseudoneurum a margine parum distans insertae. Spathae tubus intus virens; lamina virescenti-albida. Spadix spatha brevior. Synandrodia infima tenuiter clavata, ovaria multo excedentia, albida, reliqua repentino abbreviata, compressa, majuscula. — Synantherarum spica albida. Ind. occ. — *v. v. cult.*

*Synon.* X. xantorrhizon. C. Kch.

2. **roseum.** *S. (Oest. B. Ztschr. 1858. p. 178.)* Caudex . . . . . Folia . . . . . Petioli . . . . . Lamina fol. sagittato-ovata, lobis posticis vix inversis, obtuse terminatis, antico . . . . . Costae posticae basi in sinum usque membranatae, Venae principales (primariae) apertissime patentes, (in specimine nostro in terra natali lecto), utrinque 6—7, in pseudoneurum internum margini approximatum insertae. Spathae tubus intus . . . . . ; lamina extus albida, intus rosea. Spadix spatha parum brevior. Synandrodia infima crassa, truncata, ovariis paulo longiora, reliqua sensim breviora ac magis compressa, minora. — Costa-rica (Hoffmann). — *v. s. specim. spontan. in Herb. G. Berol.*

*Observ.* Spica mascula elongata.

3. **violaceum.** *S. (Oesterr. B. Wochenbl. 1853. p. 370.)* Rhizoma breve. Folia pruina fugaci tecta. Petioli violacei. Lamina fol. sagittato-oblongo-ovata, lobis posticis rectis, acutis,

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antico acuminato-apiculato. Costae posticae basi in sinu vix l. breviter denudatae. Venae primariae (principales) aperte-patentes, violaceae utrinque in juvenculis 4, in adultis 8—9, in pseudoneurum a margine vix remotum quoque violaceum insertae. Spathae tubus extus glaucus, hinc inde pallide-violaceo tinctus, intus albido-flavidus; lamina albo-sulphurea. Spadix spatha brevior, Synandrodia infima, grossa, truncata parum ovaria excedentia, violacea, reliqua sensim abbreviata, sensimque in colorem badio-carneum vergentia, magisque compressa. Synantherarum spica badio-ochroleuca. — Ind. occ. — *v. v. cult.*

*Synon.* X. ianthinum. C. Koch.

4. **Mafaffa**. *S. (Araceen Betreff. II. p. 5. 1855.)* Rhizoma breve. Folia pruinosa. Petiolus virens antice ut vagina violascens. Lamina fol. triangulare hastato-sagittata, lobis posticis exitu subextrorsum versis, subacutis, antico subacuminato-cuspidato. Costae posticae basi in sinu brevissime l. breviter denudatae. Venae primariae aperte-patentes, pallidae, utrinque 4—8, in pseudoneurum margini violaceo limbato valde approximatum insertae. Spathae tubus extus flavo-exglauco-virens, hinc inde praecipue inferne et apice sicut in margines glauco-violaceo tinctus, intus flavo-virens; lamina oblonga latissima extus flavo-virens venis brunneo-violascentibus, intus albide-flavo-virens.

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Spadix spatha multo brevior. Synandrodia infima grossa, truncata ovaria parum excedentia, reliqua gradatim pallidiora et magis compressa. Synantherarum spica rosea. — Mexico? — *v. v. cult.*

*Synon.* X. sagittifolium. C. Kch.

*Observ.* Ovaria pallide-virentia, parte stylina violacea (pallide-). Synantherarum connectivum (connectivum commune!) rubrum, loculi pallidi!

5. **robustum**. *S. (Oesterr. B. Wochenbl. 1853. p. 370.)* Caudex erectus, crassus. Folia pruinosa. Petioli virides. Lamina fol. late sagittato-ovata, lobis posticis rectis, subacutatis, antico breviter cuspidato-apiculato. Costae posticae basi in sinu breviter denudatae. Venae primariae aperte patentes, virentes, utrinque 4-6-8, in pseudoneurum intimum a margine subremotum insertae. Spathae tubus utrinque viridis; lamina late-ovata, cuspidato-acuminata dorso albida, mox in pallide ochraceum colorem transiens, intus albida tandem in sulphureo-ochraceum vergens. Spadix lamina brevior. Synandrodia primum albida, mox ferrugineo-ochraceo pallida, inferiora ac superiora grossa, parum ovaria excedentia. Synantherarum spica primum ex ochraceo pallens, mox pallidior. — Mexico australis! — *v. v. cult.*

*Synon.* X. Caracu. C. Kch.

— sagittifolium Hortor. pro parte.

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*Observ.* Stigmata mox ex ferrugineo nigricantia.

6. **Jacquini.** *S. (Melet. I. p. 19. 1832.)* Caudex erectus saepe elatus, crassus. Folia haud pruinosa. Petioli virides, vagina margine crispata praediti. Lamina fol. late cordato-sagittata, lobis posticis rectis, obtusis cum apiculo, sinum versus valde dilatatis, antico apice fere rotundato breviter apiculato. Costae posticae basi in sinu parabolico longe-denudatae. Venae primariae aperte-patentes, virides, utrinque 7-9, in pseudoneurum margini approximatum insertae. Spathae tubus extus ex flavo glaucus, hinc inde nigro-purpureo tinctus, intus ex toto nigro-purpureus; lamina extus pallide glauco-flavo-virens, intus albida. Spadix spatha vix brevior. Synandrodia albida, omnia grossa, inferiora ovaria multo excedentia. Synantherarum spica sulphurea. — Caracas. — *v. v. cult.*

*Synon.* Arum xanthorrhizon. H. Schoenb.
Alocasia undipes. C. Kch.
Xanthos. undipes. C. Kch.

*Observ.* Stigmata maxima, omnia in spica feminea contigua.

7. **Poeppigii.** *S. (Oesterr. B. Wochenbl. 1854. p. 417.)* Acaulis? Folia . . . . . Petioli . . . . . Folii lamina late sagittato-ovata, lobis posticis retrorsis, subobtusis l. etiam subextrorsis acutiusculis, antico breviter apiculato l. acutato. Costae posticae basi in sinu

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aperte parabolico longiuscule denudatae. Venae primariae patentes, utrinque 4—6, in pseudoneurum margini approximatum insertae. Spathae tubus intus atropurpureus: lamina alba, acuminata. Spadix spatha paulo brevior, acuminato-attenuatus. Synandrodia . . . . . Synantherarum spica . . . . . — Peruvia (Poepp.) — *v. s. specim. spont. in Herb. Poepp.*

*Synon.* X. Jacquini. Poepp.

8. **belophyllum.** Knth. *(En. III. p. 44. 1841.)* Rhizoma erectum, breve. Folia pruinosa. Petioli virides in vagina livido-violascentes. Lamina fol. hastato-triangula, lobis posticis subextrorsum versis, acutiusculis, antico apiculo brevi terminato. Costae posticae in sinu breviter denudatae. Venae primariae patentes, pallidae, utrinque 4—6, in pseudoneurum margini approximatum insertae. Spathae tubus intus albido-virens; lamina pallide flavida, acuminata. Spadix spatha multo brevior. Synandrodia omnia albida, infima tenuia, truncata, vix ovaria superantia, superiora paulo crassiora. Synantherarum spica albida. — Ind. occ., Amer. tropica? — *v. v. cult.*

9. **striolatum.** Martius. *(in schedula).* Rhizoma tuberosum, minutum. Petioli virides, inferne roseo-rubentes, superne lineolis nigricantibus verticalibus, plerumque transverse in maculas conspirantibus notati. Lamina fol. hastato- l. sagittato-ovata, lobis

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posticis extrorsum terminatis, obtusulis l. acutiusculis, antico cuspidate terminato. Costae posticae in sinu parabolico longule-denudatae. Venae principales patentes, utrinque 3—4, in pseudoneurum margini approximatum insertae. Spathae tubus . . . . . , lamina alba, cuspidate-apiculata. Spadix spatha brevior. Synandrodia infima grossa, ovaria paulo excedentia, reliqua compressa. Synantherarum spica medio crassula, utrinque attenuata. — Brasilia, in sylvis ad Pará. Martius. — *v. s. in Herb. Monacens.*

*Obs.* Synandria flava, ovaria virescentia, stigmata minorum. An Acontias?

10. **Mexicanum** Liebm. *(Widensk. Meddelels. 1850. p. 15.)* Rhizoma . . . . . Petioli . . . . . , Lamina fol. sagittato-triangularis, brevis, abrupte in cuspidem acuminatam brevem terminata, pagina superiore glabrata, inferiore puberula lobis posticis divaricatis subobtusis. Costae posticae in sinu aperto inferne subdenudatae. Venae primariae aperte patentes, utrinque 4, in pseudoneurum margini approximatum insertae. Spathae tubus . . . . . medius violaceus; lamina lanceolata, acuminata extus pubescens. Spadix spatha multo brevior, crassitie pennae cygneae. Synandrodia omnia grossa, infima ovaria superantia, superiora compressa. Synantherarum spica

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utrinque attenuata. — Mexico Liebm. — *v. s. in Herb. Liebmanniano.*

*Observ.* Stigma majusculum.

11. **Holtonianum**. *S. (Oestr. B. Ztschrft. 1859. p. 39.)* Rhizoma . . . . . Petioli dense puberuli. Lamina fol. breviter sagittato-ovata, abrupte in cuspidem brevem angustata, utrinque puberula, lobis posticis vix lateraliter prominentibus, sinu apertissimo sejunctis, rotundo-obtusis, brevibus, antico lato, multo minoribus. Costae posticae inferne denudatae in sinu. Venae primariae patentes, utrinque 3—4, in pseudoneurum a margine subremotum transgredientes. Spathae tubus oblongus, ut pedunculus puberulus extus; lamina oblongo-lanceolata tubo fere brevior, extus quoque puberula. Spadix spatha paulo brevior. Synandrodia pauca, omnia grossa, infima ovaria parum excedentia, superiora compressula. Synantherarum spica haud crassa, utrinque leviter attenuata, obtusa. — Nova-Granata, Honda. Holton. — *v. s. specim. spont. in Herbar. Hooker.*

*Observ.* Stigma minutum. An satis differt a x. piloso C. Kch.?

12. **pilosum** C. Kch. *(Append. 1855. p. 2.)* Rhizoma tuberosum. Petioli pilis brevibus cinerascentes. Lamina fol. sagittato-ovata, utrinque praesertim vero subtus hirto-pilosa, lobis posticis exitu subextrorsis, sinu aperto l. apertissimo sejunctis, obtusulis,

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brevibus, antico lato, cuspidato-acuminato multo minoribus. Costae posticae in sinu breviter denudatae. Venae primariae patentes, utrinque 3—5, in pseudoneurum a margine subremotum insertae. Spathae tubus extus ut pedunculus albido-pubescens, flavo-virens, intus inferne flavo-virens, in fauce atro-purpureus; lamina sulphureo-albida, acuminato-cuspidata, minus pubérula extus, intus glabra. Spadix lamina paulo brevior. Synandrodia haud multa, infima valde-grossa, vertice albida, ovaria multo excedentia, media grossa. abbreviata ut summa minora compressula purpurea. Synantherarum spica cylindroidea, utrinque attenuata, albido-sulphurea. — Amer. centralis, Nova-Granata, Ocanja Schlim, Costa-rica Hoffmann — *v. s. et v. cult.*

*Observ.* Stigmata minorum.

13. **pubescens** Poepp. *(N. Gen. et Sp. III. p. 89. t. 299. 1845.)* Rhizoma tuberosum. Herba undique pube hirta. Petioli virides. Lamina fol. cordato-ovata rarius subsagittata, lobis posticis rotundatis sinu haud aperto, potius parabolico sejunctis, brevibus, antico lato acuminato-cuspidato multo minoribus. Costae posticae in sinu breviter denudatae. Venae primariae patentes, utrinque 10—12, in pseudoneurum margini approximatum insertae. Spathae tubus . . . . . ; lamina viridi flavescens. Spadix lamina paulo brevior. Synandrodia haud multa,

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grossa, ovaria parum excedentia. Synantherarum spica praecipue apice attenuata. — Peruvia. Poepp. — *v. s. specim. spont. in Herb. Poepp.*

*Observ.* Stigmata minorum.

Imperfecte, foliis tantum cognita.

14. **utile** C. Koch. *(Append. 1854. p. 2.)* Petiolus viridis. Lamina fol. lata subhastato-ovata, glabra lobis posticis exitu extrorsum versis subacutis, sinu aperto sejunctis, antico repentino angustato, acuminato-cuspidulato. Costae posticae ad sinus fundum usque diachymate obtectae. Venae primariae utrinque sub-6, interjectis venastris totidem crassiusculis, in pseudoneurum margini magis minusve repando-approximatum insertae. — Brasilia, Bahia C. Koch. — *v. v.*

15. **versicolor** Hortor. Petioli pruinoso-virides, pallide violaceo vaginati l. ex toto violaceo et flavo colore saepe striatim colorati. Lamina fol. late hastato triangularis, glabra, lobis posticis extrorsis, acutiusculis, sinu aperto l. apertissimo sejunctis, antico sensim acuminato-cuspidato. Costae posticae in junioribus speciminibus in sinu parum, in provectioribus longule l. longe denudatae. Venae primariae utrinque 6—8, in pseudoneurum a margine vix remotum procurrentes. — *v. v.*

*Obsv.* Lamina folii interdum partim flava.

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16. **subandinum** *S. (Synops. I. p. 60. 1856.)* Petioli . . . . . Lamina fol. sagittato-ovata, glabra, lobis posticis leviter introrsis, obtusulis, sinu profundo fere angusto sejunctis, antico gradatim linea arcuata angustato breviter cuspidato-apiculato. Costae posticae in sinu paulo denudatae. Venae primariae utrinque sub-4, in pseudoneurum a margine remotiusculum insertae. — Peruvia subandina. Poepp. — *v. s. in Herbar. Poepp.*

17. **Caracasanum** *S. (Synops. I. p. 60. 1856.)* Petioli purpurascentes. Lamina fol. late hastato-triangularis, glabra, lobis posticis extrorsis, acutis fere acuminatis, sinu aperto sejunctis, antico subrepentino cuspidato-acuminato. Costae posticae in sinu longule-denudatae. Venae primariae utrinque 6- in pseudoneurum a margine subremotum insertae. — Caracas. — *v. v.*

*Observ.* Costa media et interdum posticae dorso purpurascentes.

18. **atrovirens.** C. Kch. *(Append. 1854. p. 3.)* Petioli atrovirides, pruinosi, vaginis saepe lividis. Lamina fol. hastato-sagittato-ovata, supra atroviridis, infra griseo-viridis, glabra; lobis posticis rectiusculis, obtusulis l. apiculo extrorsum verso auctis, sinu sensim aperte distantibus, antico breviter cuspidato. Costae posticae plus minusve in sinu denudatae. Venae primariae utrinque 4—6,

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in pseudoneurum a margine distantiusculum unitae. — *v. v.*

19. **appendiculatum**. *S. (Oest. B. Wchnbl. 1854. p. 418.)* Rhizoma breve. Folia pruinosa. Petioli virides immo atrovirides. Lamina fol. sagittato- ovata, glabra, supra atroviridis, infra pallidior, lobis posticis retrorsis l. subextrorsis, obtusis, l. subacutiusculis, antico cuspidato, multo! brevioribus. Costae posticae in sinu minus profundo aperto l. apertissimo plus minusve denudatae. Venae primariae utrinque 5—7-, in pseudoneurum a margine paululo distans insertae. — *v. v.*

*Observ.* Brevitate loborum posticorum distinctum.

Obscura.

20. **edule**. *S. (Melet. I. p. 19. 1832.)* Rhizoma elatum (humanae magnitudinis). Petiolus longissimus. Lamina fol. sagittata, lobis posticis rectis obtusiusculis, antico apicem versus obtuso, breviter-acuminato. Spathae lamina lanceolata, (pollicem lata). Antherae roseae. — Essequebo. Meyer.

21. **mucronatum** *S. (Synops. I. p. 63. 1856.)* Rhizoma tuberosum. Petiolus laevis. Lamina fol. cordato-ovata l. subhastata, lobis posticis rotundatis; (vena spuria e venulis copiosis anastomosantibus intervenii medium percurrens.) — America tropica.

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Ignota.

**Colocasia** Flor. Flum.
**esculentum** Flor. Flum.
**nigrum** Flor. Flum.

Excludenda.

**Caracu** C. Kch. = X. robustum *S.*
**conspurcatum** *S.* Syn. = Acontias consp. *S.*
**gracile** Miquel. = Syngon. gracile *S.*
**hastaefolium** *S.* Syn. = Acontias hastaef. *S.* (Melet. et hodie).
**ianthinum** C. Kch. = X. violaceum *S.*
**Riedelianum** *S.* = Acontias Riedelianus *S.*
**sagittifolium** C. Kch. = X. Mafaffa *S.*
**undipes** C. Kch. = X. Jacquini *S.*
**xanthorrhizon** C. Kch. = X. sagittifol. *S.*

**ACONTIAS.** *S.* Spathae tubus vegeto-persistens, faux constricta, lamina elongato-angustata, (flavo-virens). Spadix inferne femineus, parte contigua elongata neutriflorus, apicem versus masculus. Ovaria apice (parte stylina placentiforme dilatata) connata, 2—3-locularia, loculamentis pluri-ovulatis, ovulis axifixis, longefuniculatis. Stylus manifestus nullus. Stigma hemisphaericum, minutum flavo-glutinosum. Ovula resupinata, micropyle fundum versus directa. Baccae . . . . . dissolutae, diu affixae. Semina subsphaeroidea, longitudinaliter sulcata.

Caudex tuberosus ut folia lactescens. Folii lamina integra, oblonga, trisecta, l. pedati-

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secta, venis intrusis, pseudoneuro intimo a margine evidenter remoto. Pedunculi elongati, solitarii. Spadix . . . . . .

1. **striatipes**. *S.* Petiolus inferne interrupte livide striatus, laevis. Lamina fol. oblonga glaucescens, basi l. acutata l. uno latere rotundata, altero auriculata, subcordata, apice sensim acutata, venis erecto-patentibus. Spatha elongata; tubo conico-ovoideo, extus flavente, intus albicante, apice arcte constricto; lamina oblonga, tubo duplo longiore ex albo viride-flavente. Spadix spatha paulo brevior, stipite brevi spathae dorso accretus, spica feminea brevi, neutriflora elongata, quam mascula paulo brevior l. et longior. Ovaria albida. Stigmata minorum, pallide flaventia. Synandrodia alba, infima ovaria vix excedentia, crassa, irregularia, reliqua compressa, tenuia, plano verticis perpendiculariter elongato. Synandriorum spica sulphurea. — Brasilia. — *v. v. et s. spontan.*

   *Synon.* Philodendron striatipes. Knth.
   Cyrtospadix striatipes C. Kch.
   Caladium striatipes *S.* Synops.

2. **Riedelianus** *S.* Petiolus laevis. Lamina fol. ex panduraeformi sagittata, glabra, lobis posticis oblongulis obtusissimis, extrorsis, sinu aperto disjunctis, antico oblongo-ovato, inferne constricto, apice acuminato, triplo majori quasi annexis. Costae posticae basi in sinu breviter denudatae. Venae prima-

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riae utrinque sub 4, in pseudoneurum pluries arcuatum, a margine sat remotum conjunctae. Spathae tubus ovoideus, apice arcte constrictus; lamina lanceolato-oblonga, tubo duplo fere longior. Spadix stipite longulo spathae dorsa accretus; spica feminea longula, neutriflora elongata, mascula antecedente paulo brevior. Ovaria . . . . . Stigmata magis extensa. Synandrodia ovaria vix excedentia, compressa, plano verticis perpendiculariter elongato, infima majora. Synandriorum spica apicem versus sensim attenuata. — Brasilia (Riedel.) — *v. s. spec. spontan. in Herb. Horti. Petrop.*

*Synon.* Xanthosoma Riedelianum (olim.) *S.*

3.? **conspurcatus.** *S.* Petiolus laevis. Lamina fol. hastata, glabra, maculis parvis, irregularibus, sparsis, albidis conspurcata, lobis posticis oblongo-triangularibus, obtusis, extrorsis, sinu valde aperto distantibus, antico oblongo cuspidulato. Costae posticae basi in sinu breviter denudatae. Venae primariae utrinque 5-6, erecto-patentes, in pseudoneurum a margine uno latere remotum pluries arcuatum insertae. Spathae tubus ovoideus, apice arcte constrictus; lamina elongata, lanceolata, tubo plus duplo longior. Spadix stipite brevi spathae adnato sustentus, spica feminea oblonga; neutriflora duplo-longior, tenuis; mascula ex tereti subulata. Ovaria . . . . . Stigmata . . . . . Synandrodia omnia compressa, plano ver-

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ticis perpendiculariter elongato, infima ovaria parum excedentia omnium maxima. — Surinama. Wullschlaegel.

*Synon.* Xanthosoma conspurc. *S. synops.*

4. **hastifolius.** *S.* Petiolus laevis, viridis. Lamina fol. trilobato-hastata, lobis posticis ovato-oblongis, subobtusis, valde extrorsis, latere sinus valde dilatatis, incumbentibus, antico oblongo, acuminato-cuspidato. Costae posticae basi in sinu brevi quadrato, longe denudatae. Venae primariae utrinque plures ob venastra irregulariter interjecta vix numerandae, patentes, cum pseudoneuro pluries arcuato, a margine sat distante (uno latere minus) confluentes. Spathae tubus ovoideo-oblongus, utrinque viridis, apice minus arcte constrictus; lamina oblongo-lanceolata, utrinque viride-flavens, tubo triplo longior, sensim apicem versus angustata. Spadix spatha multo brevior; spica feminea brevis, neutriflora amoene-rosea longior, mascula omnium longissima sordide flavo-albida. Synandrodia infima ovaria excedentia truncato-clavata, reliqua majora crassitie, minora longitudine, gradatim magis compressula. — Costa-rica. — *v. v. cult. et sicc. spont.*

*Synon.* Philodendron Fontanesii. Knth.
Xanthosoma hastifol. *S.* syn. et C. Kch.

5. **Cubensis.** *S. (Bonpl. 1859. p. 163.)* Petiolus laevis. Lamina fol. subtrisecta, segmen-

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tis lateralibus oblongo-ovatis, acuminatis, fere l. exacte horizontaliter exsertis, latere sinus auricula ovata majuscula retrorsum spectante et obtusissima auctis, antico late-ovato, inferne constricto, apice acuminato-cuspidato. Costae posticae l. crura petiolaria basi in sinu parabolico longe denudatae. Venae primariae segmenti medii utrinque 3–4, erecto patentes in pseudoneurum uno latere a margine sat remotum insertae, segmentorum lateralium, hinc erectae, illinc aperte patentes, pseudoneuro cum illo segmenti intermedii transverso a margine distante, altero segmenti oppositi magis approximato. Spatha . . . . . Spadix spatha-multo brevior; spica feminea brevis, neutriflora longior, mascula omnium longissima. Synandrodia infima omnium maxima, ovaria parum excedentia, reliqua gradatim minora magisque compressa. — Cuba. (Ramon d. l. Sagra.) — *v. s. in Herb. D. C. specim. spontan.*

6. **Wendlandii.** *S. (Oesterr. B. Zeitschr. 1858. p. 178.)* Petiolus laevis, maculis atrofusco-violaceis majoribus et punctato-striolatis valde approximatis saepe confluentibus, alte adspersus. Lamina fol. pedatisecta, magna, segmentis sub-7, basi omnibus cohaerentibus, lateralibus oblongis, acuminatis, gradatim minoribus; antico l. intermedio late oblongo-elliptico, inferne subrepentino constricto, apice cuspidato. Costae l. crura

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posticae, basi praelonge in sinu denudatae. Venae primariae venastris hinc inde exsertis fere aeque crassis commitatae, haud regulariter distributae, segmenti medii erecto-patentes, segmentorum lateralium, uno latere patenter-erectae longe-procurrentes, altero patentes, pseudoneuro hinc minus, illinc magis a margine remoto. Spatha. . . . . Spadix. . . . . spica feminea cylindroidea, longula, neutriflora brevis? mascula . . . . . Synandroidea. . . . . — Costa-rica. Wendland. — *v. s. specim. spontan.*

7. **Hoffmannii.** *S.* Petiolus laevis, maculis viride-fuscis minoribus, striis interruptis, punctisque remotius conspersus. Lamina fol. pedatisecta, majorum, segmentis 5-7, basi omnibus leviter, immo saepe levissime cohaerentibus, lateralibus oblongo-ellipticis, acutatis l. subacuminatis, gradatim sed paulo minuentibus, antico l. intermedio oblongo, basin versus arcuatim cuneato, apice cuspidato. Costae posticae sive crura petioli inferne in sinu longe denudatae. Venae primariae venastris interjectis comitatae, subregulariter distributae, patentes in omnibus segmentis, pseudoneuro hinc minus, illinc magis margini approximato insertae. Spathae tubus oblongus; lamina lanceolato-oblonga, acuminato-cuspidata, tubo triplo longior. Spadix spatha multo brevior, spica feminea brevis, neutra longior, mascula lon-

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gissima. Synandrodia majuscula, infima ovaria excedentia. — Costa-rica. C. Hoffmann. — *v. s. spec. spont. in Herb. G. Berol.*

8. **helleborifolius.** *S. (Melet. I. p. 19. 1832.)* Petioli hirtello-scabridi, virides. Lamina fol. pedatisecta, minorum, segmentis 5-7-9-13, basi vix cohaerentibus, remote-distantibus hirtello-scabridis; lateralibus obverse lanceolatis l. oblongis, inferne constrictis, apice acuminato-cuspidatis, gradatim minoribus, intermedio maximo. Costae l. crura, laterales in sinu longissime denudatae. Venae primariae venastris interjectis comitatae, subregulariter distributae, patentes, pseudoneuro hinc minus, illinc magis a margine distanti insertae. Pedunculus hirtello-scabridulus, viridis. Spathae tubus ovoideus utrinque virens, apice constrictus, glabriusculus; lamina oblonga, tubo duplo longior, cuspidulata, utrinque flavo-virens. Spadix lamina paulo brevior, spica feminea cylindroidea, brevis, neutra duplo longior, mascula omnium longissima. Synandrodia majuscula, infima ovaria excedentia, suprema compressa, ut synandria albida. — Caracas! — *v. v. cult. et sicc. spontan.*

9. **variegatus.** Knth. *(En. III. p. 45. 1841.)* Petioli hirtello-scabriduli, virides, punctulis lineolisque atroviolaceis, interruptis conspersus, zonisque transversis pallide-violaceis irregularibus, praesertim dorso variegatus. Lamina fol. pedatisecta, mino-

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rum, segmentis 5-9-11, basi vix cohaerentibus, distantibus, leviter puberulis, l. scabridis; lateralibus obverse lanceolatis, l. oblongis, inferne cuneatis; apice acuminatis, gradatim minoribus, intermedio maximo. Costae l. crura, laterales in sinu longissime denudatae. Venae primariae venastris comitatae, subregulariter distributae, patentes, pseudoneuro magis minusve distanti insertae. Pedunculus scabridus, variegatus. Spatha flavido-viridula, scabrida (extus.) Spadix spatha paulo brevior, spica feminea brevis, neutra longior, mascula omnium maxima. Synandrodia . . . . . Baccae dissolutae. Seminae spaeroidea, verticaliter sulcata, alluminosa. — Venezuela, Nova-Granata Moritz — *v. s. spec. spontan. in Herb. G. Berol.*

*Observ.* Spatha et in hac specie interdum duplicata, exterior interiorem suboppositе amplexans.

## Dubii.

10. **Plumieri.** *S. (Synops. I. p. 65. 1856.)* Petiolus glaber? Lamina fol. glaberrima, segmentis lanceolatis repandis. Spatha breviter-pedunculata, minima, flosculos albicantes involvens. (Plum. Amer. t. 121. f. 1.).
11. **pentaphyllus.** *S. (Synops. p. 65. 1865.)* Petiolus . . . . . Lamina fol. quinque-partita, partitiones l. segmenta ovata l. oblon-

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ga, acuminata, pseudoneuro margini approximato. — (Flora Flum. t. 104.)

**SYNGONIUM.** *S.* Spathae tubus vegeto-persistens, faux constricta, lamina cymbiformis, (albida, flavens l. virens) tandem reflexa. Spadix inferne femineus, medio neutriflorus, apice masculus. Ovaria omnia ex toto connata, bilocularia abortu excentrice unilocularia, loculamentis uniovulatis. Stylus nullus. Stigma capitato-convexum. Ovulum fundum versus ex axi exsertum, brevissime-funiculatum, micropyle fundum spectante. Baccae connatae, tegmine corticoso aequato, obductae, fructum ovatum spathae tubo colorato obvestitum mentientes, pulpa mucilaginosa repletum, polyspermum. Semen compresse-sphaeroideum, testa laevigata, nigra praeditum, micropyle basilari. Embryo macropodus.

Caudex scandens, ramosus, ut tota planta lactescens. Petioli vagina, apice apiculate soluta, vegeto-persistente aucti. Folii lamina juvenculae sagittata, adultae utplurimum pedatisecta, pseudoneuro intimo a margine distante. Pedunculi plures ex una axilla, breves. Antherae synandrii profunde discretae.

1. **Schottianum.** Wendl. (*in litteris.*) Caudex crassiusculus, arrecto-scandens, l. adradicans, fusco-purpureus. Petioli longi, ultra medium anguste-vaginati, vaginis margine sese obvolventibus, fusco-purpurei. Lamina fol. oblonga, basi rotundata l. uno latere

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auricula laterali minutissima facile praetervisa instructa, apice cuspidato-acuminata. Venae primariae utrinque 11-13-, inferiores longe productae, pseudoneura construentes, superiores patentes uno latere, altero aperte-patentes, in pseudoneurum intimum anastomosantes. Venulae copiosissimae areolas elongatas, angustas densas formantes. — Costa-rica. Wendland. — *v. v.*

2. **Hoffmannii.** *S. (Oesterr. B. Zeitschr. 1858. p. 178.)* Caudex scandens. Petioli ad medium vagina lata comitati. Lamina fol. trisecta, segmentis lateralibus remotiusculis, oblongis, acuminatis, latere superiore angustiore, basin versus cuneatis, latere inferiore l. exteriore basi rectangulo l. obtusangulo-truncatis; medio oblongo, basi rotundate-cuneato, ima basi angustissimo, apice acuminato. Crura petioli in sinu longule-denudata. Venae primariae segmenti medii paucae imae ac supremae erecto-patentes, reliquae aperte-patentes; segmentorum lateralium varie directae, lateris superioris magis erectae, procurrentes, paucae, lateris inferioris patentes plures, priores in pseudoneurum margini magis approximatum, posteriores in pseudoneurum a margine magis remotum insertae. Spathae tubus oblongo-ovoideus, lamina ovato-oblonga acuminata, albida, in fauce (et tubo?) purpurea. Spadix mediam spatham paulo superans, spica feminea brevior ac tenuior, mascula

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juncta neutra crassa, cylindroidea, obtusissima. Synandrodia pauca, difformia. Synandria ex antheris 4, loculis lateraliter oppositis. — Costa-rica. Hoffmann. — *v. s. spec. spont. Herb. G. Berol.*

3. **Wendlandii.** *S. (Oesterr. B. Zeitschr. 1858. p. 178.)* Caudex scandens, ramis gracilibus, viridibus. Petioli elongati, graciles, ad medium l. ultra medium vagina angusta comitati. Lamina fol. juvenculae sagittata, in costa et interdum ad venarum exortum, albo picta; adultae trisecta, supra atroviridia holosericeo splendore induta, segmentis lateralibus ansatis, lanceolato-oblongis, acuminatis, latere superiore angustiore basin versus cuneatis, latere inferiore l. exteriore basi obtuse rectangulo truncatis l. obtusatis; medio subansato oblongo-lanceolato, basi arcuate-cuneato, apice acuminato. Crura petioli in sinu longule denudata. Venae primariae segmenti intermedii paucae, infimae in pseudoneurum prolongatae, reliquae aperte patentes; segmentorum lateralium varie directae, lateris superioris paucae, inferioris plures patentes, priores in pseudoneurum margini magis approximatum, posteriores in pseudoneurum a margine magis remotum insertae. — Costa-rica. Wendland. — *v. s. spontan. et v. cultum.*

4. **Salvadorense.** *S. (Oest. B. Ztschr. 1858. p. 178.)* Scandens. Petioli haud multo elongati, longe ultra medium vaginati, vagina

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obtuse prominente. Lamina fol. adultae trisecta, segmentis lateralibus ovato lanceolatis, obtuse-acutatis, basi vix ansatis, horizontaliter protensis, latere superiore angustiore basin versus arcuata linea cuneatis, latere inferiore basi plus minusve ex longo rotundatis l. abrupte rotundatis; medio ovato, e lata basi sensim angustato, acuminato, ima basi rotundato, ibique in angustam diachymatis portionem contracta. Crura petioli in sinu longe denudata. Venae primariae segmenti medii paucae, irregulariter in latera digestae, infimae pseudoneura a margine remota construentes, reliquae patenter anastomosantes; segmentorum lateralium in latere superiore pauciores, erectius patentes. — S. Salvador. Wendland. — *v. s. specim. in Herb. Wendland.*

5. **peliocladum**. *S.* Caudex scandens, ramis gracilibus fuscescentibus. Petioli elongati, firmuli, ultra medium anguste-vaginati. Lamina fol. juvenculae sagittata, viridis. — Costa-rica. Wendland. — *v. v.*

6. **Riedelianum.** *S. (Synops. I. p. 70. 1856.)* Caudex scandens, ramis fortioribus viridibus instructis. Petioli elongati, crassiusculi, fertiles vix ad medium late-vaginati, steriles ultra medium angustius vaginati. Lamina fol. juvenculae sagittata, viridis; adultae trisecta, supra laete-viridis, nitidula, segmentis lateralibus late cum antico cohaerentibus, late oblongo-ovatis, obtusis ple-

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rumque sursum versis, quasi complicatis, latere superiore angustiore et inferiore basi late-rotundatis, medio latissimo, ovato, breviter cuspidato-acutato. Crura petioli in sinu longule denudata. Venae primariae segmenti intermedii paucae, infimae in pseudoneurum prolongatae, a margine valde remotum, reliquae patentes; segmentorum lateralium utrinque paucae, arcuatim prolongatae, pseudoneura a margine distantia constituentes. Pedunculi plures sociati. Spatha minorum, tubo pyriforme-obovoideo, extus laete-, intus flavo-viridi; lamina ex glauco flavo-viridi, tubo vix multo longior, breviter-ovata. Spadix spatha brevior sulphureus, pars feminea pauciflora, neutra brevissima, mascula clavata, incrassata. Synandria ex antheris 4, loculis lateraliter oppositis. — Brasilia. Riedel. — *v. v. cult.*

7. **Vellozianum**. *S. (Oestr. B. Wchbl. 1854. p. 418.)* Scandens, ramis gracilibus, fuscatis. Petioli elongati, graciles, ultra medium anguste vaginatis, vaginis apice apiculate solutis. Lamina fol. juvenculae potius hastata, viridis, adultae trisecta, supra laete-viridis, nitidula, segmentis lateralibus oblongis obtuse-acutatis, basi segmento medio approximatis contiguis, conjunctisque, sursum versis, latere superiore angustiore basin versus cuneatis, latere inferiore basi auriculatis, auricula oblongo-obovata, exitu rotundata l. oblonga, subacutata retrorsa

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auctis; medio oblongo, acuminato, basin versus arcuate- l. rotundate-angustatis. Crura petioli in sinu longe denudata. Venae primariae segmenti medii paucae, inferiores pseudoneura a margine distantia formantes, reliquae superiores his patenter insertae; segmentorum lateralium in latere superiore pauciores, infimae pseudoneura margini magis approximata construentes, in inferiore latere infimae pseudoneura a margine magis remota reliquis patentius anastomosantibus comitatae. Pedunculi longuli, graciles. Spathae tubus rotundate-ovoideus, utrinque virens; lamina ovata, acuminata, extus pallide flavo-virens, intus albo-virens. Spadix laminae medium parum superans, spica feminea brevi, cylindrica, neutra attenuata brevissima, mascula clavato-incrassata, subacutata. Synandrodia difformia. Synandria ex antheris 2-3-4, subirregularia. Fructus, reflexus, spathae tubo vestitus, obovoideus. — Brasilia. — *v. v. et s.*

8. **gracile.** *S. (Synops. I. p. 70. 1856.)* Scandens, ramis gracilibus, viridibus. Petioli elongati, graciles, ultra medium latiuscule vaginis apice subulate solutis, vaginati. Lamina fol. juvenculae sagittata, viridis; adultae tri- l. sub-5-secta, supra laete viridis, nitidula, segmentis lateralibus lanceolato-oblongis, acuminatis, basi longe-ansatis, sursum versis, latere superiore angustiore basin versus cuneatis, latere inferiore basi

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rotundate-lobulatis l. auricula oblongo-elliptica retrorsa auctis, medio oblongo, acuminato, basin versus sensim leviter angustato, imo abrupte contracto, brevissime-ansato. Crura petioli in sinu longe denudata. Venae primariae segmenti medii paucae, inferiores pseudoneura a margine valde distantia constituentes, reliquae superiores his insertae; segmentorum lateralium in latere superiore pauciores, infimae pseudoneura margini magis approximata constituentes. Pedunculi longuli, graciles. Spathae tubus pyriforme-ovoideus, utrinque virens; lamina ovata, cuspidate-apiculata, flava. Spadix mediam laminam vix superans, spica feminea cylindroidea, brevis, neutra brevior, mascula clavata, crassa, obtusissima. Synandrodia difformia. Synandria ex antheris 4, loculis lateraliter oppositis. — Fructus reflexus, spathae tubo croceo tectus, ovoideus. — Patria? — *v. v. cult.*

*Synon.* Xanthosoma gracilis. Miquel.

9. **auritum**. *S. (Melet. I. p. 19. 1832.)* Scandens, ramis fortioribus, viridibus. Petioli elongati, firmi, ultra medium vagina latiuscula, apice subulate prominula vaginati. Lamina fol. juvenculae auriculato-sagittata, viridis, adultae sub-5-secta, (i. e. trisecta, segmentis lateralibus auriculatis) supra laete-viridis, nitidula, segmentis lateralibus falcato-oblongis, obtusule acuminatis, basi sub- l. longule-ansatis, latere superiore

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angustiore basin versus cuneatis, latere inferiore basi longe elliptico-auriculatis, auricula retrorsa, l. auriculis incumbentibus; medio late-ovato-oblongo, acuminato, basin versus repentino rotundato et ima basi breviter-cuneato, latiuscule cum lateralibus conjuncto. Crura petioli in sinu longe denudata. Venae primariae segmenti medii apertissime patentes paucae, inferiores pseudoneura a margine remota construentes; segmentorum lateralium in latere superiore minus conspicuae magisque sursum vergentes, in latere inferiore magis perspicuae, exinde plures, patentissimae, pseudoneuro ex auricula orto insertae. Pedunculus subsolitarius, crassus, haud longus. Spathae tubus cylindricus, elongatus extus purpureo tinctus, intus ex toto purpureus; lamina ovato-oblonga, cuspidata, in fauce purpurascens, ceterum flava. Spadix tertiam laminae partem attingens, spica feminea cylindrica (ovariis viridibus, stigmatibus albis) neutra brevissima, nuda, carnea, mascula clavata, sordide flava. Synandrodia difformia. Synandria ex antheris 5—4, loculis oppositis. — Jamaica, Martinica. Jacquin. — *v. v. cult.*

10. **Plumierii.** *S. (Synops. I. p. 66. 1856.)* Scandens, adradicans. Petioli elongati, vix ad medium vaginati. Lamina fol. adultae sub-5-secta, (i. e. trisecta, segmentis lateralibus auriculatis), supra laete-viridis, infra pal-

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lidior, segmentis lateralibus, oblongis, obtusule-acutatis, subhorizontaliter porrectis, basi vix l. subansatis, latere superiore angustiore basin versus cuneatis, latere inferiore basi ovato l. obovato-auriculatis, quoque rotundato-cuneatis, auriculis retrorsis; medio late-ovato, acutato, basi repentino cuneato-rotundato, cum lateralibus segmentis angusto imo connexo. Crura petioli in sinu breviter denudata. Venae primariae segmenti medii apertissime patentes in pseudoneurum margini potius approximatum anastomosantes; segmentorum lateralium utrinque aperte-patentes. Pedunculus solitarius, crassus. Spathae tubus viridis extus cum laminae basi intus ignei coloris, lamina ipsa pallide-viridis. Spadix laminae medium superans, ultra tertiam partem infimam femineus, medio per breve spatium nudus, reliqua parte masculus. Pars nuda media carnea. Ovaria viridia. Synandria lutea. — S. Domingo. Plumier. —

*Observ.* An satis distinctum a S. aurito?

11. **affine.** *S. (Synops. I. p. 67. 1856.)* Scandens. Petioli elongati, ad medium circiter vagina apice subulate soluta comitati. Lamina fol. adultae trisecta, subauriculata l. auriculata; segmentis lateralibus oblique-oblongis, obtuse-acutatis, subsursum vergentibus, basi plica latiuscula cum medio cohaerentibus, latere superiore basin versus sensim leviterque angustatis, latere inferiore basi

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rotundate in auriculam plus minusve solutam alteri incumbentem desinentibus; medio oblongo, cuspidate-acutato, basi sensim angustato, late cum lateralibus unito. Crura petioli in sinu longe denudata. Venae primariae segmenti medii perpaucae, erecto-patentes, in pseudoneurum a margine remotum conjunctae; segmentorum lateralium diversae lateris superioris paucae, minus conspicuae magisque sursum vergentes, inferioris sat conspicuae, plures, patentiores in pseudoneurum a margine remotum procurrentes. Auriculae oblongae l. obverse ellipticae, apice rotundatae, longulae. Pedunculi plures ex una axilla. Spatha . . . . . Spadix spica feminea cylindrica, longula, neutra attenuata brevis, mascula clavate-incrassata omnium longissima. Fructus ovoideus. — Surinama. Wullschlaegel. — *v. s. specim. spont. in Herb. Monacense.*

12. **Ruizii.** *S. (Oestr. B. Wchbl. 1854. p. 418).* . . . . . Petioli . . . . . Lamina fol. adultae trisecta, subauriculata l. auriculata; segmentis lateralibus subfalcato-oblongis, obtuse-acutatis, sursum vergentibus, basi a vicina media ansa brevissima secedentibus, latere superiore basin versus sensim leviterque angustatis, latere inferiore quoque sensim angustatis, abrupte in auriculam retrorsam ellipticam, longulam excedentibus; medio oblongo, acuminato, basi subsensim linea arcuata angu-

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stato, angustoque imo cum lateralibus juncto. Crura petioli in sinu vix longe denudata. Venae primariae segmenti medii 3—4, erecto-patentes pseudoneura conformantes, intimum a margine distans; segmentorum lateralium diversae, lateris superioris paucae (3—4) patenter-arcuatae, lateris inferioris 4—5, elongatae erecto-patentes, infimae pseudoneura producentes, a margine magis distantes. — Peruvia et Chile. Ruiz. — *v. s. f. spont. plantae, in Herb. G. Berol.*

13. **Poeppigii.** *S. (Synops. I. p. 68. 1856.)* . . . . . Petioli elongati, ultra medium vagina apice dissoluta aucti. Lamina fol. adultae auriculato-trisecta; segmentis lateralibus rectiusculis, oblongis, obtusis, subhorizontalibus, basi cum vicino medio plica connexis, latere superiore basin versus sensim leviterque angustatis, latere inferiore arcuatim leviter-angustatis, auriculis ovatis, oblongo-ellipticis incumbentibus auctis; medio oblongo-elliptico, apice rotundato, apiculato, basi subsensim linea arcuata angustato, latoque complicato imo cum lateralibus unito. Crura petioli in sinu longe denudata. Venae primariae segmenti medii 2—3, erecto-patentes, infimae pseudoneura construentes, reliquae erecto-patenter anastomosantes, in pseudoneurum a margine remotum; segmentorum lateralium diversae, lateris superioris pauciores arcuatim procurrentes; lateris inferioris plures, magis

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conspicuae rectius prolatae, patentes. — Peruvia, Poepp. — *v. s. f. spontan. stirpis in Herb. Poepp.*

14. **Willdenovii**. *S. (Synops. I. p. 68. 1856.)* Petioli elongati, . . . . . vagina apice dissoluta. Lamina fol. adultae auriculato-trisecta; segmentis lateralibus rectiusculis, lanceolato-oblongis, obtuse-acutatis, subhorizontalibus, basi cum medio junctis, latere superiore basin versus sensim linea arcuata angustatis, auriculis ovatis l. elongato-ellipticis, retrorsis auctis; medio ovato-oblongo, lato, apice acutato, basi rotundate subrepentino contracto, haud lato imo lateralibus juncto. Crura petioli in sinu longe denudata. Venae primariae segmenti medii sub-7, patentes, infimae in pseudoneura sat remota prolongatae; segmentorum lateralium diversae, lateris superioris pauciores magisque arrectae, lateris inferioris plures magisque patentes. — . . . . . — *v. s. f. in Herb. Willden.* (Pothos aurita. Willd. Herb. W. 3104. f. 1.)

15. **neglectum**. *S. (Bonpl. 1859. p. 163.)* Petioli elongati, vagina ultra medium producta, apice soluta. Lamina fol. adultae auriculato-5-secta; segmentis lateralibus oblongo-lanceolatis, obtuse-acutatis, basi linea arcuata subsensim angustata, a se invicem breviter remota, extimis auricula oblanceolata, apice rotundata, fere ad imum sejuncta auctis; medio oblongo acuminato, lato, et longo,

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basin versus linea arcuata subsensim angustato, angusto imo affixo, a vicinis lateralibus remotiusculis sejuncto. Crura petioli in sinu longe denudata. Venae primariae segmenti medii utrinque sub-5, patentes, infimae in pseudoneura a margine distantiuscula prolongatae; segmentorum lateralium intimorum utrinque sub-4, diversae, lateris superioris, aperte-patentes, lateris inferioris patentes, infimae in pseudoneura a margine distantia productae; segmentorum extimorum utrinque sub-3, lateris superioris minus conspicuae, inferioris magis arrectae, infimae pseudoneurum margini magis approximatum constituentes. — Mexico pp. Mirador, Liebmann. — *v. s. f. in Herb. Liebmann.*

16. **podophyllum.** *S.* Petiolus elongatus, tandem (adultae) vix ad medium vaginatus. Lamina fol. pedatisecta adultae, sagittata, tri-5-secta juvenculae, auriculis aucta l. absque auriculis, segmentis 7-, gradatim minoribus, oblongo-lanceolatis, obtuse-acuminatis, basin versus cuneatis, distantibus; medio lanceolato-oblongo, apiculate-acuminato, basi longe-cuneato, angusto l. lato imo juncto a vicinis saepe longe remoto. Crura petioli longe- l. longissime denudata. Venae primariae in juvenculis pauciores in adultis plures, patentes, infimae pseudoneura formantes a margine plus minusve remota. Auriculae ubi adsunt, minutae vix perceptibiles,

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oblanceolatae, apice rotundatae, late cum segmento unitae, l. etiam ellipticae, obtusae inferne valde angustatae, vix cum segmento cohaerentes. Pedunculi longuli, plures ex eadem axilla. Spathae tubus sphaerico-ovoideus, (in spatha expansa), laxe-volutus, fauce vix constricta, utrinque pallide ex glauco et flavo-virens; lamina ovato-oblonga, cuspidulata, extus flavo-virens, intus albide-flavens, tubo plus duplo longior. Spadix laminae medium superans, spica feminea conice-cylindrica, brevis, neutra attenuata brevissima, mascula subrepentino incrassata, parte mediana crassissima, apice obtusa, sulphurea. Synandria 4—5-antherata, loculis antherarum oppositis. — Mexico australis. — *v. v. cult.*

17. **Oerstedianum.** *S. (Oestr. B. Ztschr. 1858. p. 178.)* Petiolus elongatus, adultae ultra medium vaginatus. Lamina fol. pedatisecta, segmentis sub-9, gradatim minoribus, ovato-lanceolatis, obtuse-acuminatis, basin versus rotundate i. e. linea arcuata angustatis, parum distantibus; medio . . . . . basi linea arcuata augustato, imo angusto juncto, a vicinis parum distante. Crura petioli longe denudata. Venae primariae patentes, utrinque sub-6,-5,-4, infimae pseudoncura formantes, a margine plus minusve remota. Auriculae l. segmenta extima haud parvae, ovato-lanceolatae, acutatae, disjunctae. Pedunculi longuli, plures ex una axilla. Spatha

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. . . . . Spadix . . . . . Fructus pyriforme-globosus. — Costa-rica. Oersted. — *v. s. specim. spont. in Herb. Oersted.*

18. **angustatum**. *S. (Oester. B. Ztschr. 1858. p. 178.)* Petioli longi ultra medium vagina apice subulato-prominula donati. Lamina fol. pedatisecta, segmentis 7—9, gradatim minoribus, anguste-lanceolatis, acuminatis, basin versus cuneatis l. et linea arcuata angustatis, parum distantibus; medio valde-acuminato et basi manifeste cuneato, a vicinis parum distante. Crura petioli in sinu longe denudata. Venae primariae 7-6-5, infimae pseudoneura formantes, a margine plus minusve remota. Auriculae i. e. segmenta extima lanceolata, dimidia proportione antecedentium, subdisjunctae . . . . Nicaragua. Oersted. — *v. s. in Herb. Oersted.*

Dubia.

19. **decipiens**. *S. (Synops. I. p. 69. 1856.)* Folii juvenculae lamina ovato- l. ovato-oblongo-sagittata, nitida; adultae trisecta absque auriculis, segmentis lateralibus ovato-oblongis, subfalcatis, apice obtusatis, cum medio late-ovato, basi rotundato plica angusta l. latiuscula connexis. Crura postica in sinu longe denudata. Venae segmenti medii subtus valde prominentes, utrinque 5—6, inferiores pseudoneura a margine valde remota construentes, reliquae paten-

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tes, anastomosantes; segmentorum lateralium latere superiore angustiore abrupte-arcuatae, lateris inferioris arrectius patentes, elongatae. — *v. v. cult.*

*Observ.* Annon Syng. Willdenowii. *S.* ?

20. **xanthophilum** *S.* Petiolus juvenculae ad medium latiuscule vaginatus, vagina exitu rotundata. Lamina sagittato-ovato-oblonga, acuta, lobis posticis retrorsis, antico duplo brevioribus, obtusulis, supra lucidula, juxta costam et venas, immo secundarias, flavo deliquescente, tandem totum fere discum occupante picta. Pseudoneurum a margine subremotum. — Mexico. — *v. v. cult.*

**SUBTRIBUS PROBLEMATICAE.** *S.* Synandriis praedita? habitu Caladieis alieno. Folii lamina pinnatisecta, l. . . . . .

**ZAMIOCULCAS.** *S.* Spatha spadicem subcontinuo androgynum paulo superans. Synandria? contigua. Ovaria . . . . . .

1. **Loddigesii.** *S.* Acaulis Folia impari-pinnatisecta. Inflorescentia breviter-pedunculata. — Brasilia.

**SCAPHISPATHA.** Brongn. Spatha parva, ad basin fere evoluta, decurrens. Spadix stipitatus, stipite longulo, spathae adnato, ceterum parte libera androgynus, spica mascula cum feminea continua, quam illa longior ac tenuior. Ovaria stylata.

**gracilis.** Brongn. (in Herbar. Mus. Paris.) Folium ignotum. Pedunculus, tenuis 9 pollices longus. Spatha lanceolata, $2^1/_4$ pollices

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longa, expansa inferne $^3/_4$ pollicis lata, apicem versus sensim acutata. Spadix sesquipollicaris, tenuis, stipite vix $^1/_4$ pollicari, spica feminea 5 lineas circiter longa. — Bolivia. d'Orbigny. — *v. delin. specim. in Herb. Mus. Paris.*

**Tribus Philodendreae**. *S.* Stamina libera.

**SUBTRIBUS ANINGINAE**. *S.* Spadix continue androgynus. Antherae sessiles, rimula apicali sub vertice aperientes. Ovaria connata, bi-, abortu unilocularia. Ovula brevissime funiculata, anatropa. Semina exalbuminosa. Embryo macropodus.

**MONTRICHARDIA**. Crueger. Spatha mox ex toto decidua. Staminodia in spadicis apice. Ovaria bi-, abortu uniovulata, ovulis latere superiore basifixis.

Arborescentes. Petioli vaginati, vagina vegeto-persistente.

1. **linifera**. *S. (Araceen. Betreff. I. 5.p. 1854.)* Caudex inermis. Petioli vagina apice subulate longe-soluta. Lamina fol. sinu obtecto sagittato-cordata, lobis posticis convergenter retrorsis, acutiusculis, antico rotundate-semiovato, apiculato, brevioribus. Costae posticae in sinu vix denudatae. Pseudoneurum intimum margini valde approximatum. Spatha oblonge-ovata. Spadix spatha paululo brevior. — Brasilia. — *v. s. specim. spont. in plurim. Herbariis.*
2. **arborescens**. *S. (Araceen. Betreff. I. p. 4. 1854.)* Caudex inermis. Petioli vagina apice

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subulate longe-soluta. Lamina fol. sinu angusto parabolico sagittata, lobis posticis retrorsis, acuminatis, antico semiovato-triangulari, cuspidulato $^3/_4$ pollicis longioribus. Costae posticae in sinu longe denudatae. Pseudoneurum intimum a margine remotiusculum. Spatha oblongo-ovata. Spadix spatha sat brevior. — Surinama etc. — *v. s. specim. spontan. in Herb. Monacense.*

3. **Fendleri.** *S. (Gen. Aroid. 49. 1858.)* Caudex inermis. Petioli vagina . . . . . Lamina fol. sinu lato profundissimo triangulari-sagittata, lobis posticis retrorsis, longe-acuminatis, antico sensim triangulari-acuminato, cuspidulato, plus pollice longioribus. Costae posticae in sinu longe-denudatae. Pseudoneurum intimum a margine remotiusculum. Spatha ovata, longe-acuminata. Spadix spatha multo brevior. — Isthmus Panamae. Fendler. — *v. s. specim. spontan. in Herb. Hooker.*

4. **Splitgerberi.** *S. (Bonpl. 1859. p. 29.)* Caudex . . . . . Petioli . . . . . Lamina fol. sinu lato parabolico triangulare-sagittata, lobis posticis subextrorsis, oblongis, exitu rotundatis, antico sensim acutato, apiculato paululo longioribus. Costae posticae in sinu longe-denudatae. Pseudoneurum intimum a margine remotiusculum. . . . . Surinama. Splitgerber. — *v. s. specim. spontan. in Herb. Splitgerb.*

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5. **aculeata.** *S. (Synops. I. p. 72. 1856.)* Caudex aculeis recurvis aculeatus. Petioli vagina apice subulata mediocriter soluta. Lamina fol. sinu valde aperto sagittata, lobis posticis triangulare-oblongo-lanceolatis acuminatis, antico triangulare-acutato, apiculato paulo longioribus. Costae posticae in sinu longule-denudatae. Pseudoneurum intimum a margine paululo remotum. Spatha oblongo-ovata, acuminata. Spadix spatha multo brevior. — Surinama. Weigelt. — *v. s. specim. spontan. in Herb. Reichenb. f.*
6. **arborea.** *S. (Synops. I. p. 72. 1856.)* Caudex arborescens, 10-20-pedalis. Folii lamina obtusissima, summo apice brevissime apiculata, sagittata, lobis posticis in sinu incumbentibus antico paulo longioribus, exitu acutiuscule-angulatis. — Cumana. Knth. — *v. delineat. specim. Bonpland. in Herb. Mus. Paris asservati.*

**SUBTRIBUS CULCASINAE.** *S.* Spadix spica staminodiifera medio instructus. Antherae sessiles, rimula apicali sub vertice aperientes. Ovaria libera, bi-, abortu unilocularia. Ovula axifixa, brevissime funiculata, anatropa. Semina exalbuminosa. Embryo macropodus.

**CULCASIA.** Palis. de Beauv. Spatha tandem destructa l. ex toto decidua. Spadix spatham longe superans. Ovaria et synandrodia remota. Ovula lateraliter fundifixa.

Scandentes. Petioli vagina vegeta-persistens. Pedunculi 2 ex eadem axilla.

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1. **scandens**. Beauv. *(Flore d' Oware. I. p. 4. t. 3. 1804.)* Petioli ad geniculum? usque anguste-vaginati. Lamina fol. ovato-oblonga, ovato-elliptica l. elliptica, acuminata l. apiculato-cuspidata, imo levissime-peltata. Vagina petioli rotundate-soluta. — Guinea, Sierra Leone, etc. Isert. etc. — *v. s. spec. spontan. in plurim. Herbariis.*

2.? **Afzelii**. *S.* Petioli vix ad geniculum vaginati. Lamina fol. ovato-oblonga l. oblonga, sensim acuminata, imo latiuscule peltato. — Guinea? Afzelius. — *v. s. specim. spontan. in Herbar. Afzelii.*

**NEPHTHYTIS**. *S.* Spatha longe-decurrens, tandem destructa? l. ex toto decidua? Spadix . . . . . Ovaria contigua, unilocularia, uniovulata, ovulo parietis summo apici affixo. Semen in cavitate baccae summa appensum, subcompresse-conoideum.

Herba rhizomate horizontaliter prolata. Petioli elongati imo vaginati.

1. **Afzelii**. *S. (Oest. B. Wochenbl. 1857. p. 406.)* Lamina fol. sagittata, lobo antico triangulari acuminato, lobis posticis ovato oblongis, incumbentibus antico fere longioribus, elongato-subulate-cuspidatis. Costae posticae et venae dichotomantes, in sinu brevissime denudatae. Pedunculus elongatus. — Sierra Leone. Afzelius. — *v. s. specim. spontan. in Herb. Afzelii.*

**CERCESTIS**. *S.* Spatha . . . . . Spadix: feminea pars mascula duplo brevior. Ovaria con-

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tigua, unilocularia, uniovulata, ovulo parieti inferne basin versus exserto. (Antherae 4 flosculum masculum constituentes). Semen sub-compresso-conoideum.

Scandens. Patioli longuli ad $^1/_3$-$^1/_4$ vagina angusta-praediti.

1. **Afzelii.** *S. (Oest. B. Wchnbl. 1857. p. 414.)* Ad nodos radicans. Petiolus tenuis. Geniculum? modicum. Lamina fol. tripartita, partitilione-media oblongo-ovata, apice acuminata, lato imo cum lateralibus lanceolatis ovato-lanceolatisque obtuse cuspidato-acuminatis, horizontaliter porrectis, conjuncta. Costae posticae mox bifurcae, in sinu longule-denudatae. Pedunculus brevis l. haud longus. — Guinea. Afzelius. — *v. s. spont. in Herb. Afzelii.*

**SUBTRIBUS PHILODENDRINAE.** *S.* Spadix spica staminodiifera medio instructus. Antherae sessiles, rimula apicali sub vertice l. poro subverticali aperientes. Ovaria 1-∞-locularia, libera. Ovula axifixa longe-funiculata, orthotropa. Semina albuminosa. Embryo axilis.

**PHILODENDRON.** *S.* Spatha post foecundationem reclusa vegeto-persistens, in fructu a basi soluta, plerumque disrumpens, decidua. Spadix spatham subaequans. Ovarii loculamenta 1-∞-ovulata. Semen oblongum, tenue, striatum.

Lamina fol. subarticulatim cum petiolo juncta. Venulae tenuissimae, approximatissimae, subparallelae. Americana.

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I. Lamina folii plus minusve oblonga, lanceolata, l. ovato-elliptica.

Grex. 1. **Baursia**. Rchnb.

Contracte l. protense adradicans. Petiolus semiteres, sub-l. manifeste-articulatim cum lamina junctus, ventricose tumidus l. crassulus tantum. Costa l. ventricose-incrassata l. crassula. Stipulae subopositae. Laminae venae vix ac ne vix conspicuae, venulis subconformes. Pedunculi solitarii.

1. **Linnaei**. Knth. *(En. III. p. 47. 1841.)* Petioli semiteretes. Lamina fol. oblongo-oblanceolata, acuminata, basin versus ex longinquo (3/4) sensim cuneata, bipedalis. Costa petiolo crassior. Spatha 4-5-pollicaris, expansa elliptico-oblonga, cuspidata, extus et intus quoad tubum rubra, ceterum alba. Staminodia infima irregularia ovaria porrecte superantia. Ovaria plurilocularia, loculamentis inferne biovulatis. — Surinama. Dahlberg in Herb. Mus. Upsal. — Rolander in Herb. Mus. Hafn. — Herb. Vahl a Thunbergio 1781-missum. — *v. s.*
2. **insigne**. *S. Synops. I. p. 73. 1856.)* Petiolus . . . . . Lamina fol. elongato-oblonga. (3-4 pedes longa, 7-8 pollices lata), apice obtusata, cuspidulata, a medio basin versus sensim cuneata. Costa crassa . . . . . Pedunculus 14-16 pollices longus. Spatha sub-6-pollicaris. Staminodia infima ovaria non

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superantia. Ovaria . . . . . — Pará. Wullschlaegel. — *v. s. specim. spontan. in Herb. Monacense.*

3. **Ruizii.** *S. (Oesterr. Wchnbl. 1854. p. 418.)* Petiolus vix tumidulus? Lamina fol. oblanceolato-oblonga, ultra bipedalis, inferne linea arcuata repentino contracta, apice obtusata, cuspidulata. Costa crassiuscula. Spatha . . . . . Staminodia infima ovariis breviora. Ovaria sub-6-locularia, loculamentis bi-tri-ovulatis. — Peruvia Pozuzo. Ruiz et Pav. — *v. s. in Herb. G. Berol.*
4. **Wendlandii.** *S.* Caudex brevis. Folia conferta. Petiolus semiteres, tumidus. Lamina fol. oblonga, obtusata, apice cuspidulata, basin versus ex longinquo ($^3/_4$) sensim leviterque angustata, ad basin cordato-auriculata, auriculis minutis exacte retrorsis. Costa petiolo tenuior. Venae primariae, magis incrassatae. — America centralis. Wendland. — *v. v. cultum.*
5. **cannaefolium.** Martius. *(in Flora p. 451. 1831.)* Folia conferta. Petioli acietato-semiteretes, crasse intumescentes. Lamina fol. oblonga, acuminata, basi obtusata, sesquipedalis. Costa petiolo multo tenuior quamquam crassa. Spatha 5-6-pollicaris ad basin usque evoluta, cymbaeformis, apice cuspidulata, tubo extus virente, intus e funde laete-purpureo, plus minusve laminam versus tincto ceterum virente l. flavovirente, lamina utrinque albida. Staminodia infima

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vertice truncate clavata, tenuia, longa, primum sursum arrecta, deinde vaga, ovaria multo superantia. Ovaria 7-8-locularia, loculamentis sub-4-ovulatis. Stamina per paria regulariter coordinata. Baccae sordide-flavae, loculamentis oligospermis. Semina sordide-flaventia, elliptica, striata. — Brasilia. — *v. v. spont. et cult.*

6. **crassinervium**. Lindl. *(Bot. Reg. t. 1958.)* Caudex elongatus, prorepens, subscandens, internodiis elongatis. Petioli semiteretes, hebetato-acietati, tenues proportione. Lamina fol. oblonga l. lanceolato-oblonga, cuspidato-acuminata, basin versus cuneata, pedalis l. sesquipedalis. Costa petiolo multo crassior, tumida. Spatha 3-4-pollicaris, fere ad basin usque evoluta cymbaeformis, apice apiculata, tubo extus virente, intus e fundo laete-purpureo plus minusve laminam versus in viridem colorato; lamina utrinque albida, breviter ovato-scaphiformis. Staminodia infima vertice truncata, breviter-clavata crassula, haud longa, porrecta ovaria parum excedentia. Ovaria 4-5-locularia, loculamentis pluriovulatis. Stamina irregulariter per tria coordinata. — Brasilia. — *v. v. spontan. et cult.*

*Synon.* Ph. planinervium. C. Kch.

Obscura.

7. **linguifolium**. *S. (Synops. I. p. 74. 1856.)* Petiolus tenuis. Lamina fol. obverse-oblon-

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ga, inferne repentino-angustata, apice acuminato-cuspidata. Costa petiolo paululo crassiore. — Brasilia, Rio-negro. Martius. — *v. s. spont. in Herb. Monac.*

8. **lanceolatum**. *S. (Synops. I. p. 75. 1856.)* Petiolus tenuis brevis. Lamina fol. lanceolata, utrinque sensim angustata. Costa e petiolo attenuata. Pedunculus spatha triplo brevior. Antherae irregulariter coordinatae. — Brasilia Flor. Flum. T. 114.
9. **alternans**. *S. (Synops. I. p. 75. 1856.)* Petiolus tenuis, brevis. Lamina fol. lanceolata, utrinque sensim angustata. Costa e petiolo attenuata. — Brasilia. Flor. Flum. T. 116.

### Grex 2. **Pteromischum**. *S.*

Scandens. Stipulae subopppositae nullae. Petiolus apice geniculatus, vagina exitu libera, saepe laminae incumbente, persistente instructus. Geniculum antice ut petiolus canaliculatum. Pedunculus sub-solitarius ex axilla petioli reliquis, multo latius vaginati. Spadix tandem spatham superans.

10. **cruentum**. Poepp. *(Nov. Gen. III. p. 86. 1845.)* Petiolus carnosus, vagina angusta, exitu a lamina remotuscula, apice obcordata. Lamina fol. elongato-elliptico-oblonga (14-16 pollices longa, 4-4½ pollices lata), subaequilatera, basi subsensim l. subrepente angustata, apice quoque subsensim l. subrepentino obtusata, breviter cuspidata, pe-

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tiolo ($7\frac{1}{2}$—$8\frac{1}{2}$ pollices longo), duplo circiter longior. Costa lata. Venae tenuissimae cum venastris et venulis densissime at vix conspicue distributae, patentes . . . . . Pedunculi 2 ex eadem axilla brevissimi. Spatha petiolum suffulcientem adaequans, ultra medium convoluta, apice hians, extus alba, intus pulcherrime sanguinea. Ovaria 4-locularia, loculamentis biovulatis. — Peruvia. Poeppig. — *v. s. specim. spontan. in Herb. Poepp.*

11. **ligulatum**. *S.* Petioli tumidi, crassi, ultra apicem vagina in ligulam conice convolutam producta praediti. Lamina fol. crassula, oblonga, basi rotundata, apice longule-cuspidata, costa praecrassa, venis utrinque 5—6, subtus prominentibus. — Amer. centralis. Wendland. — *v. v. cult.*
12. **Swartzianum** *S. (Oestrr. B. Wchnbl. 1857. p. 237.)* Petioli tenuissimi, longe infra apicem ligula minuta vaginae angustissimae instructi. Lamina fol. tenuis, oblonga l. lanceolato-oblonga, basi rotundata, apice longissime acuminato-cuspidata, costa tenuissima, venis utrinque 5—6, tenuibus. — Insula St. Christophori. Euphrasen in Herb. Swartz. — *v. specim. spont. sicc. in Herb. Swartzii.*
13. **pteropus**. Martius. *(in schedula S. Synops. p. 77. 1856.)* Petioli tenues, vagina angusta, ad apicem illius producta, ibique cordate excisa vaginati. Lamina fol. tenuis,

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lanceolata, basin versus sensim leviterque angustata, imo angusto repentino contracta; apice longe cuspidato-acuminata, venis manifestis haud conspicuis, venulis erectiusculis. — Brasilia, Martius. — *v. s. in Herb. Monac.*

14. **lingulatum.** *S. (Synops. I. p. 77. 1856.)* Petioli tenues, vagina latiuscula, laminae imum superante, explanata, apice cordiforme emarginata. Lamina fol. oblongo-lanceolata l. lanceolata e basi obtusa, rotundata l. subcordata, sensim apicem longe acuminato-cuspidatum versus angustata, petiolo triplo et ultra longior. Costa tenuis. Venae utrinque 8-10, tenuissimae interjectis venastris vix tenuioribus comitatae, erecto-patentes. Pedunculus brevis. Spatha (clausa) ex imo attenuato medium versus incrassata, deinde apicem versus sensim attenuata tenuiter-cuspidata. Spadix inferne stipitatus, stipite sat longulo, ad medium femineus, spica feminea mascula cylindroideo-conoidea crassiore. Ovaria sub-5-locularia, loculamentis multiovulatis. Antherae 3-4 in flosculos consociatae. — Jamaica Purdie. — *v. s. specim. spontan. in Herb. Hooker.*

15. **Martini.** *S. (Bonpl. 1859. p. 29.)* Petioli tenues, vagina latiuscula, laminae imum non attingente, explanata, apice profunde-excisa. Lamina fol. lanceolata, basi obtusa l. subrotundata, apice abrupte longe-cuspidata,

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petiolo duplo longior. Costa tenuis. Venae utrinque sub-8, tenuissimae, interjectis venastris vix tenuioribus comitatae, patentes. Pedunculus brevis. Spatha $2^1/_2$-pollicaris, cuspidata. Spadix tenuis. Ovaria sub-4-locularia, loculamentis multiovulatis. — Cayenna. Martin. — *v. s. spontan. in Herb. Hooker.*

16. **Rudgeanum.** *S. (Synops. I. p. 78. 1856.)* Petioli tenues, vagina latiuscula, laminae imum superante, subexplanata, apice rotundata. Lamina fol. oblonge-obovata l. oblonga, rarissime folii spathiferi ovata, basin versus linea arcuata leviter angustata imo angusto, apice abrupte apiculato-cuspidata, petiolo triplo et ultra longior. Costa tenuis. Venae utrinque 10—12, tenuissimae, interjectis venastris vix tenuioribus comitatae, patentes. Pedunculus brevis. Spatha (clausa) ex imo attenuata mox incrassata, apicem versus deinde sensim attenuata, summo apice abrupte breviter apiculato-cuspidulata. Spadix stipitatus, stipite longulo, ultra medium femineus, spica feminea quam mascula cylindroidea crassior. Ovaria 7-8-locularia, loculamentis abunde ovuligeris. Antherae 4 flosculum efficientes. — Surinama. Rudge, Hostmann. — *v. s. spontaneum in Herb. Hooker.*

17. **propinquum.** *S. (Synops. I. p. 78. 1856.)* Petioli tenues, vagina latiuscula laminae imum attingente, explanata, apice emargi-

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nata. Lamina fol. ovato-oblonga l. oblonga, basi rotundata, apicem versus sensim leviterque angustata, exitu subrepentino longecuspidata, petiolo multo (sed non duplo!) longior. Costa tenuis. Venae distinctae utrinque 5, tenues, interjectis venastris totidem, vix tenuioribus, patentes. Pedunculus brevis. Spatha (clausa) infra medium incrassata, deinde conice attenuata, summo apice apiculate-cuspidulata. Spadix stipitatus, stipite longo, ut in reliquis speciebus dorso adnatus, vix ad medium femineus, quam mascula pars crassior. Ovaria 4-locularia pluriovulata! Antherae 4 flosculum conformantes. — Brasilia. Gardner, etc. — *v. s. specim. in variis Herbar.*

*Synon.* Monstera cuspidata. Gardner.

18. **ambiguum**. *S.* Petioli tenues, vagina latiuscula, laminam non attingente, explanata, apice potius rotundata. Lamina fol. oblongo-ovata. l. oblongo-elliptica, latiuscula, basi rotundata, apice obtusato repentino in cuspidem brevem angustata, petiolo vix duplo longior; (petiolus spathiger ceteris longior, lamina paulo longiore). Costa crassiuscula. Venae plures, venastris interjectis comitatae tenues, aperte-patentes. Pedunculus brevis. Spatha et spadix ruptae tantum visae. — Brasilia. Riedel. — *v. s. specim. in Herb. Horti. Petrop.*

19. **Riedelianum**. *S. (Oest. B. Zeitschr. 1859. p. 98.)* Petioli tenues; vagina potius angu-

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sta, laminam non attingens, partem bilinearem nudam relinquens, apice emarginata. Lamina fol. elliptico-oblonga, basi rotundata, apice breviter-cuspidata l. cuspidulata, petiolo plus triplo longior. Costa tenuis. Venae ob parenchyma subcoriaceo-membranaceum non distinctae, venastris venulisque conformes, patentes. Pedunculus brevis. Spatha clausa inferne tumida, apicem versus conica, cuspidulate-apiculata. Spadix ad tertiam partem femineus, haud stipitatus, mascula parte fere aequicrassa. Ovaria 4-locularia, loculamentis multiovulatis. Antherae plerumque 3, rarius 4 consociatae. — Brasilia. Riedel. — *v. s. spontan. in Herb. Horti Petropol.*

20. **placidum**. *S. (Bonpl. 1859. p. 164.)* Petioli tenues, vagina praecipue basin versus latiuscula, apice laminae subincumbente, exitu truncato-rotundata. Lamina fol. manifeste inaequilatera, oblique l. suboblique oblongo-ovata, imo breviter-cuneata, apice abrupte cuspidulata, petiolo duplo l. plus duplo longior. Costa tenuis. Venae vix ac ne vix a venulis distinguendae, patentes. Pedunculus brevis. Spatha clausa inferne tumida, conice terminata, cuspidulata. Spadix stipitatus, stipite longo, inferne adnato, infra medium usque ovariis tectus. Ovaria. . . . . Antherae 3-4 flosculum componentes. — Cayenna. — *v. s. specim. in Herb. D. C.*

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21. **Ochrostemon.** *S.* Petioli tenues, vagina subangusta, ultimum terminum non attingente, partem 2-3-lineas longam nudam relinquente, apice rotundata. Lamina fol. juvenculae, anguste- l. elongato- l. oblongo-lanceolata, inferne rotundata, apice longissime-acuminata; adultae oblongo-ovata l. oblonga, imo rotundato, apice breviter-cuspidato, petiolo paulo longior; folii spathiferi ovata, inferne abrupte rotundata, imo breviter cuneato, apice cuspidato, petiolo duplo brevior. Costa tenuis. Venae utrinque 10-12, tenues, venastris tonuioribus intermediis comitatae, patentes. Pedunculus longulus, pallidus, saturatius viride- ac interrupte-striolatus. Spathae tubus ovoideus, inferne extus viridis, superne flavo-virens, intus flavo-virens; lamina subhians, utrinque flavens, apice cuspidato-acuminata. Spadix subsessilis, parte ovarigera breviore (fere duplo) magis incrassata, ovariis viridibus, stigmatibus flaventibus; parte neutriflora brevis albida; parte antherifera tereti, obtusula luteola. Ovaria 4-6-locularia, loculamentis multiovulatis. Antherae extus et intus luteae. Fructus spatha pallida, dilacerate abscessa, oblongo-ovoideus e baccis luteis, polyspermis. Semen cylindroideo-turbinatum, dense-striolatum. Cotyledo plantae germinantis inferne breviter petiolata! — Insula St. Catharinae, Brasiliae l. Brasilia australior. (Relatum). — *v. v. cult.*

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22. **Karstenianum.** *S. (Synops. p. 78. 1856.)* Petioli tenues, vagina latiuscula, a lamina longe l. interdum longule terminata, apice obtusato-rotundata. Lamina fol. oblongo-ovata l. suboblonga, imo rotundato l. brevissime subcuneato, apice breviter-cuspidata, petiolum paulo superans; folii spathiferi, petiolo maculis minutis atro viridibus notato, ovata, inferne abrupte rotundata, imo brevissime cuneato, apice cuspidato, petiolo vix brevior. Costa tenuis. Venae utrinque sub-7, tenues, venastris interjectis comitatae, patentes l. aperte-patentes. Pedunculus haud multo elongatus, crassitie rami, viridis, apice tantum pallide striolatus. Spathae tubus sphaerico-ovoideus, utrinque viridis, (valde-tumidus); lamina subhians, extus viridis, intus albicans, apice longule subulato-cuspidata. Spadix vix stipitatus, parte ovarigera brevis, virescens, neutrae brevior, ut mascula quam feminea plus duplo longiore, pallide l. sordide albide-sulphurea. Ovaria 3-4-6-locularia, loculamentis multiovulatis. Antherae extus et intus pallidae, 3 plerumque flosculum constituentes. Staminodia infima ultra ovaria tantillo producta. — Caracas etc. Karsten, etc. — *v. v. cult. et s. spontaneum, a Celeb. Karsten collect.*

23. **aurantiifolium.** *S. (Oestr. B. Ztschr. 1858. p. 178.)* Petiolus tenuis, vagina latiuscula, interstitio brevissimo nudo a laminae imo recedens, apice repando-rotundata. Lamina

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fol. oblongo-ovata, imo linea arcuata cuneato, apice acuminata, longe-ac setoso-apiculata; folii spathiferi inferne magis cuneata; prior ac posterior petiolo quarta parte circiter longior. Costa tenuis. Venae utrinque sub-5, venastris comitatae parum tenuioribus, patentes l. subarrecto-patentes. Pedunculus brevis. Spatha dilute-ochracea, clausa: inferne tumida, apicem versus conice prolongata, extremitate longule setaceo-apiculata. Spadix . . . . . Ovaria 4-locularia, loculamentis multiovulatis: — Costarica. Wendland, etc. — *v. s. spec. spont. a Wendlandio allata.*

24. **guttiferum**. Knth. *(En. III. p. 51. 1841.)* Petioli crassiusculi, vagina angustissima, laminam non attingente, apice obtusa. Lamina fol. ovalis, rarius obovata, imo rotundato-obtusato l. cuneato, apice repentino obtusata cuspide modica acuminata aucta, petiolo plus triplo longior. Costa tenuis. Venae utrinque 8-10, tenues, patentes, l. subaperte-patentes. Pedunculus crassus, petiolo multo brevior. Spatha basi ovata, ad tertiam partem convoluta atque ventricosa, lamina latissime hiante, acuta, pallide-flavescente. Spadix exacte cilindricus, ad quartam partem femineus: Ovaria atropurpurea?! — Peruvia. Poeppig? — *v. s. spec. spontan. in Herb. Poepp.*

25. **Seguine.** *S. (Bonpl. 1859. p. 164.)* Petiolus tenuis, vagina angusta a lamina parum re-

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cedens, apice rotundata, repandula, (in junioribus ramis laminae incumbens). Lamina fol. oblongo-elliptica, basi rotundata l. vix ac ne vix cuneata, apice repentino rotundate-obtusata, cuspide lanceolata l. linearilanceolata longa l. longula aucta, petiolum fere dimidio superans; folii spathigeri petiolo duplo longior. Costa tenuis. Venae utrinque sub-10, venastris vix tenuioribus comitatae, aperte-patentes. Pedunculus brevis. Spatha ad medium fere convoluta, reliqua parte hians, apice apiculata. — Mexico. Liebmann. — *v. s. specim. spontan. in Herb. Liebm.*

*Obs.* Sub Dieffenbachia Seguine in Herb. Liebmanniano repertum.

26. **Sonderianum.** *S. (Oest. B. Wochenbl. 1857. p. 237.)* Petiolus tenuis, vagina proportione angusta in laminam fere usque producta, apice rotundata. Lamina fol. elongato-obverse-oblonga, (8-10 pollices longa, 2-2½ pollices lata), basi repentino contracta, apice subabrupte-acutata, petiolo tertia l. quarta parte longior. Costa tenuis. Venae utrinque sub-5, patentes exacte a venulis ob tenuitatem non distinguendae. Pedunculus petiolo dimidio brevior. Spatha brevis, petiolum fulcientem vix dimidio superans. Spadicis pars ovarigera quam mascula paulo brevior. Antherae 3-5 flosculum constituentes. — Minas generales Brasiliae. Reguell. — *v. spec. spont. in Herb. Sonder.*

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*Observ.* Lamina folii spathigeri ovato-oblonga, petiolo suo paulo longior.

27. **dispar**. *S. (Synops. p. 79. 1856.)* Petiolus tenuis, vagina proportione latiuscula, exitu a lamina longiuscule l. longe remota, apice rotundata. Lamina fol. late-ovata l. oblongo-ovata, (10—12 pollices longa, 6—6½ pollices lata) basi rotundato-subcordata, apice linea arcuata angustata, cuspidulo lanceolato aucta, petiolo vix l. paulo longior. Costa tenuis. Venae utrinque sub-10, venastris paululo tenuioribus comitatae, inferne patentissimae, arcuatim sursum flexae, in marginem excurrentes. Pedunculus brevis l. brevissimus. Spatha . . . . . Spadicis pars feminea reliqua mascula triplo brevior. — (Plum. Amer. tab. 37.)

28. **alatum**. Poeppig. *(Nov. Gen. III. p. 87. 1845.)* Petiolus crassiusculus, vagina lata, exitu a lamina longe remota, apice subtruncata. Lamina fol. ovato oblonga l. elliptica, lata (13—14 pollices longa, 7—8 lata), basi truncato-rotundata l. subcordata, apice rotundata brevissime cuspidata, petiolo (13-pollicari) subaequilonga. Costa crassula. Venae utrinque sub-10, venastris pluribus (3—4) interjectis, tenuioribus comitatae, patentissimae apice arcuatim in marginem excurrentes. Pedunculus brevissimus. Spatha medio tumida, utrinque acutata, apice acuminata, flavide-virescens. Spadix . . . . .

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— Peruvia subandina Poeppig. — *v. s. in Herb. Poepp.*

29. **inaequilaterum.** Liebm. *(Vidensk. Meddelels. 1850. p. 16.)* Petioli vagina angusta, exitu a lamina longe remota, . . . . . Lamina folii late ovato-elliptica, l. oblongo-elliptica, (12—15 pollices longa, 5—5½ pollices lata), parum inaequilatera, basi repentino rotundata et imo breviter-triangulari cuneata, margine leviter-undulata, apice repentino linea arcuata subacutata, lanceolato-cuspidata, petiolo (5—7-pollicari) duplo longior. Costa tenuis. Venae utrinque 13—14, tenues, patentissimae, venastris interjectis (1—3) comitatae . . . . . Mexico, prov. Vera-cruz. Liebmann. — *v. s. spont. in Herb. Liebmann.*

30. **nervosum.** Knth. *(En. III. p. 51. 1841.)* Petiolus haud crassus, vagina angusta, exitu a lamina remotiusculo, apice rotundata. Lamina fol. elliptico- l. ovato-oblonga, (12 pollices longa, 5—6 lata), parum inaequilatera, basi rotundata, margine subundulata, apice lanceolate-cuspidata, petiolo (6—7-pollicari) duplo circiter longior. Costa tenuis. Venae utrinque 8—9, fortiores, venastris interjectis tenuibus comitatae hinc magis patentissimis, illinc magis praecipue exitu, sursum versis . . . . . Cumana Venezuela. Humboldt. — *v. fol. sicc. in Herb. Willd.*

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31. **oblongum** Knth. *(En. III. p. 78. 1841.)* Petiolus lamina brevior, vagina angusta, apice rotundata a lamina remota, auctus. Lamina fol. ovato-oblonga, acuminata, imo leviter-cordata. Costa haud crassa. Venae utrinque 5—6, aperte-patentes. Pedunculus brevis. Spathae tubus tumidus, lamina brevis, breviter triangulare cuspidata. Spadix conoideus. ad medium fere femineus. — Brasilia (Flora Flum. IX. T. 115.)

Desciscentia.

32. **membranaceum**. Poepp. *(Nov. Gen. III. p. 87. 1845.)* Petiolus anguste-marginatus, 5 pollices longus. Lamina fol. ovata elliptica, obtuse acuta, basi rotundata, 9 pollices longa, 5½ pollices lata. Pedunculus solitarius, petiolo parum brevior. Spatha ad medium usque convoluta; ibi tumida, utrinque acuta, sordide-lutea, odorata, 5 pollices longa. Spadix interruptus, pars feminea masculam duplo superans, clavata, apice truncata; pars mascula triplo tenuior, exacte cylindrica. Ovaria 5-locularia. — Peruvia. Poeppig. —
33. **sphalerum**. *S.* Petiolus anguste-marginatus, margine angusto cum lamina confluente? 6 pollices longus. Lamina fol. oblonga, acuminata, basi truncato-rotundata, 5—7 pollices longa, 1½—2½ pollices lata. Costa tenuis. Venae utrinque 5—8, tenues, venastris venulisque tenuissimis comitatae. Pe-

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dunculi plures ex axillis superpositis, tenues, bipollicares. Spatha longitudine pedunculi, diametro tubi basin versus conice attenuati 4—5-lineari, apice cuspidulata. — Surinama Splitgerber. — *v. s. spont. in Herb. Splitg., commun. a Celeb. de Vriese.*

### Grex 3. **Canniphyllum.** *S.*

Scandens. Stipulae suboppositae. Petiolus teres apice subgeniculatus. Lamina fol. utrinque acutata, venis utrinque sub—15. Pedunculi ex axilla 2.

34. **fibrillosum**, Poepp. *(Nov. Gen. III. p. 86. 1845.)* Petiolus 6 pollices longus. Lamina fol. elliptica, inferne cuneata, apice cuspidata, 16 pollices longa, 6—7 pollices lata, nitida. Costa robusta. Venae vix tenues arcuatim sursum in marginem directae, distantiusculae, venastris venulisque interjectis comitatae. Pedunculi breves. Spatha subcylindrica, sordide viride-alba, basi purpurea. Spadix spatham aequans. Ovaria 4—5-locularia, loculamentis pluriovulatis 4—5—8? Peruvia. Poepp. — *v. s. in Herb. Poepp.*

### Grex 4. **Glossophyllum.** *S.*

Scandens. Stipulae suboppositae. Petiolus juvenculae vaginatus, adultae nudus, teres. Lamina fol. articulatim secedens, basi plus minusve abrupte contracta l. sub-

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cordata, venis utrinque 5—10. Pedunculi 2? ex una axilla.

35. **elaphoglossoides**. *S. (Syn. I. p. 80. 1856.)* Petiolus brevis, pollicaris, apice tumidus. Lamina fol. oblanceolato-oblonga, petiolo 6—7-tuplo longior, basin versus sensim leviterque angustata, imo abrupte contracto, haud lato, apice cuspidato-acuminata. Costa firmula. Venae supra vix conspicuae, infra 5—7, tenues, patentes, parum curvatae. — Brasilia. Minas generales, Martius. — *v. s. in Herb. Monacense.*

36. **heterophyllum**. Poeppig. Petiolus longus, (4—6-pollicaris), apice vix intumescens. Lamina fol. oblonga, l. a medio basin versus sensim angustata et imo abrupte contracta, l. ex imo lato truncato sensim apicem versus angustata, semper longe lanceolato-cuspidata in apice repentino contracto, petiolo sesqui- l. plus duplo longior. Costa tenuis. Venae utrinque 10—12, ob venastra fere aequicrassa vix exacte numerandae, tenues, in parte inferiore basi angustatarum laminarum magis erectae, in illa basi dilatatarum magis patentes, reliquae omnes apertepatentes, parum curvatae. Pedunculi petiolo multo breviores. Spatha basi angusteovata, vix ad medium convoluta, superne late aperta, acuta, viridi-alba, basi purpurascens, 3 pollices longa. Spadix spatham aequans, ab apice ultra medium masculus. Ovaria $^1/_3$ spadicis obtegentia, 4-locularia,

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loculamentis biovulatis. — Peruvia subandina. Poeppig. — *v. s. specim. spontan. in Herb. Poepp.*

37. **adhatodaefolium**. *S. (Syn. I. p. 81. 1856.)* Petiolus 6 pollices et ultra longus, apice vix intumescens. Lamina fol. oblonga, basin versus rotundata l. arcuata linea cuneatim angustata, apice sensim angustata, acuminato-cuspidata, petiolo sesqui- l. fere duplo longiore, (10—12 pollices longa, $2^1/_2$—3 pollices lata). Costa haud incrassata. Venae utrinque sub-5, distantes, aperte-patentes, parum curvatae. — Venezuela. — *v. v. cult.*

38. **thaliaefolium**. *S. (Synops. I. p. 81. 1856.)* Petiolus tenuis, 6—9 pollices longus, apice vix intumescens. Lamina fol. oblonga, subaequilate-oblonga, l. oblonga sensim apicem versus latitudine minuens, 10—12 pollices longa, $2^1/_2$—4 pollices lata, basi abrupte rotundata, juxta petiolum fere semper plus minusve leviter-cordata, sinu levissimo apertissimo, apice repentino l. et sensim angustata, longule l. longe lineari-lanceolato-cuspidata. Costa tenuis, haud incrassata. Venae utrinque 8—10, tenues, venastris et venulis comitatae, patentes, parum curvatae, rectiusculae. Pedunculus brevis, interrupte saturatius viride lineolatus. Spatha curva, tubo ventricoso, extus pallide-viridi, intus albido, lamina conchiformi, flavide-albida, apice in subulam longam abeunte. Spadix inferne breviter sti-

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pitatus, digitiformis, ad tertiam partem femineus, spathae cuspide brevior. Ovaria 4—5-locularia, loculamentis multiovulatis. — Venezuela. — *v. v. cult.* = Sphalorum Schott

39. **inconcinnum.** *S. (Synops. I. p. 81. 1856.)* Petiolus tenuis, 6—9 pollices longus, apice vix intumescens. Lamina fol. oblongo-elliptica, 8—10 pollices longa, 3—4½ pollices lata, basi abrupte truncato-rotundata, rarius levissime cordato-repanda, apice breviter lanceolato- lineari-cuspidata. Costa tenuis, haud incrassata. Venae utrinque 5—9, remotae, patentes parum curvatae. . . . . Habit. Venezuela! — *v. v. cult.*

40. **Blanchetianum.** *S. (Bonpl. 1859. p. 164.)* Petiolus firmus, tenuis, 5-pollicaris. apice vix intumescens. Lamina fol. obverse-oblonga, 10—11 pollices longa, 3½—4 pollices lata, basi subsensim rotundata, apice brevissime- l. breviter-cuspidulata. Costa firmula. Venae utrinque sub-7, venastris 1—3 interjectis comitatae, aperte-patentes, parum curvatae. Pedunculus brevis. Spatha 5-pollicaris, inferne ad tertiam partem convoluta, apice brevissime apiculata l. apiculo productiore aucta. Spadix spatha paulo brevior, basi stipite longulo, maxima parte adnato suffultus, ad medium circiter femineus, spica mascula subcylindroidea obtusa. Ovaria 5—6-locularia, loculamentis multiovulatis. — Bahia, Brasiliae. Blanchet. — *v. s. specim. spontan. in Herbar. D.C.*

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41. **macroglossum.** *S. (Oestr. B. Wochbl. 1855. p. 179.)* Petiolus . . . . . Lamina fol. elongate obverse-oblongo-lingulata, basi fere truncata, angulis rotundatis, apice subsensim arcuatim angustata, breviter-cuspidata, $1^3/_4$ ped. longa, basi pollices 2, magis apicem versus pollices 4 et ultra metiens. Costa crassiuscula. Venae valde remotae, utrinque 5—6, dextrae sinistris vero approximatae, omnes basi patentissimae, crassulae, arcuatim in marginem procurrentes. — Caracas. Appun. — *v. s. fol. specim. spont. a Celeb. Reichenb. f. mecum benevole communicat.*

II. Lamina fol. plus minusve cordiformis, venis omnibus sursum arcuatis.

Grex 5. **Solenosterigma.** Klotzsch.

Scandens. Stipulae jam in juvenculis subopositae, diu vegeto-persistentes. Petiolus laevis. Lamina fol. longe-cuspidata, venis tenuibus, inferne radiatim digestis, in sinu non denudatis, lobi antici utrinque 2—3.

42. **Prieurianum.** *S. (Synops. I. p. 82. 1856.)* Petiolus supra deplanatus, brevis, (pollicaris l. sesquipollicaris). Lamina fol. crassiuscula, late-, saepe orbiculato-ovata, brevius cuspidata, petiolo 5-tuplo et ultra longior. — *v. s. cult.*

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43. **oxyprorum**. *S. (Synops. I. p. 82. 1856.)* Petiolus adultae inferne leviter sulcatus. Lamina fol. juvenculae magis orbiculata, adultae ovata, basi profundiuscule-cordata, lobis subcontiguis, apice acuminate-cuspidata. l. triangulare-brevius-cuspidata, petiolo duplo longior, in costa 9 pollices longa, $8^1/_2$ pollices lata. — Venezuela. — *v. v. cult.*

44. **Oxycardium**. *S. (Synops. I. p. 82. 1856.)* Petiolus juvenculae lamina fere duplo brevior, adultae pari modo, supra deplanatus. Lamina fol. juvenculae rotundato-ovata, subabrupte longe-cuspidata, basi leviter-cordata, auriculis distantibus, adultae subovata, basi profundius-cordata, lobis retrorsis, distantibus, apice sensim angustato, abrupte ex anguste-lanceolato, longe-acuminato-cuspidadata. — *v. v. cult.*

*Synon.* Philod. cuspidatum. C. Koch. pro parte.

45. **cuspidatum**. C. Koch. *(App. 1854. p. 7.)* Petiolus juvenculae leviter-canaliculatus, adultae teretiusculus. Lamina fol. rotundato-ovata, longe-sensimque-cuspidato-acuminata, basi haud profunde-cordata lobis divergentibus, petiolo (juvenculae) sesqui-, adultae) paulo longior. — *v. v. cult.*

*Synon.* Ph. cuspidat. C. Koch., quoad synon. Dracont. cordati. hort. Berol. (fide Herb. G. Berol.)

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46. **micans.** Klotzsch. (et C. Kch.) *(App. 1854. p. 7.)* Petiolus juvenculae obsolete canaliculatus. Lamina tenuiuscula, ovata, longe-acuminata, petioli longitudine l. et longior, basi leviter-, immo levissime-cordata, supra holosericeo-micans, subtus rubella. — Amer. centr. Wendland., et? Mexico. Liebmann. — *v. v. cult. et s. in Herbar. Wendland. et Liebm.*

*Synon.* Philod. bicolor. Klotzsch.
Philod. microphyll. C. Kch.

47. **Isertianum.** *S.* Petiolus . . . . . Lamina fol. late-cordato-ovata, basi profundiuscule-cordata, lobis distantibus, apice sensim acutata, in cuspidem lanceolatam, longam, acutam producta. — Martinica. (Isert. — *v. s. specim. in Herb. Hafniense.*

48. **Poiteauanum.** *S.* Petiolus lamina $^1/_3$ brevior. Lamina fol. rotundato-ovata, basi levissime cordato-repanda, apice repentino angustata lanceolato-anguste-cuspidata. — Guiana gallica. — Poiteau. — *v. s. in Herb. Hort. Petropol.*

49. **ecordatum.** *S. (Synops. p. 83. 1856.)* Petiolus $2^1/_2$ pollices longus. Lamina fol. rotundato-ovata, basi truncato-rotundata, apice repentino rotundate-angustata, abrupte cuspide lanceolata haud longa aucta, petiolo sesqui-, vix duplo longior. Venae utrinque sub-5, patentes. — Peruvia. Poeppig. — *v. s. in Herb. Poepp.*

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*Observ.* Species? Nequaquam forsitan juvenilis, spadices enim legi, hisce foliis vicinos, fructiferos, quarum pars feminea $2^1/_2$ poll. longa. Baccae liberae, miniatae, pulposae. Semina numerosissima, minuta, fere scrobiculata. — Caulis scandens, radicans. Diar. Reliqua ignota. (Poeppig in schedula Herbarii).

50. **cuspidifolium.** Martius. *(Mss.)* Petiolus $2^1/_2$-$3^1/_2$ pollices longus. Lamina fol. triangulare-ovata; basi truncato-rotundata imo brevissime triangulare in petiolum cuneato, apice sensim acutata, in cuspidem lanceolatam longulam l. longam producta, petiolo sesqui- l. duplo longior. Venae utrinque sub-4. — Brasilia, prov. Rio-negro. Martius. — *v. s. specim. in Herb. Monac.*

51. **scandens.** C. Kch. *(App. 1853. p. 4.)* Petiolus in stirpe juvenculae vagina medium attingente auctus. Lamina rotundato-ovata, breviter-cuspidata, basi repando-cordata petiolum subaequans. Venae supra non emergentes, infra prominulae, erecto-patentes. — *v. s. cult.*

### Grex 6. **Psoropodium.** *S.*

Scandens. Stipulae suboppositae. Petiolus, teres tenuis, firmus, plus minusve verrucoso-leprosus. Lamina fol. tenuis, cordiformis, cuspidata, venis infimis in costas posticas conjunctis, in sinu vix denudatis, lobi antici 4-7, venastris alternis. Pedunculi

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subsolitarii, interdum 2. Spatha quam spadix longior.

52. **tenue.** C. Kch. *(App. 1854. 55. p. 7.)* Petioli levissime interrupte-striolati vix leprosi, lamina longiores. Lamina fol. ovato, interdum sub sagittato-cordiformis, apicem versus subsensim linea arcuata angustata, subabrupte cuspidulata, lobis posticis oblongis, rotundatis, sinu inferne angusto, sensim magis aperto distantibus. Costae posticae nullo modo denudatae. Venae lobi antici sub-9-10, patentes, arcuatim sursum vergentes, totidemque venastris vix tenuioribus, sic ut venae et venastra approximata paginam multiveniam monstrant. — *v. v. cult.*

53. **gracile.** *S.* Petiolus interrupte striato-leprosus, lamina fol. subparallele oblongo-ovata, apice repentino- l. abrupte-angustata, longe- et anguste cuspidata, lobis posticis approximatis, saepe contiguis, rotundate-semiovatis, elongate-retrorsis. Costae posticae non denudatae. Venae (lobi antici) sub-8, patentes, apice arcuatim prolongatae, venastris totidem alternantibus auctae. Pedunculus perbrevis, striolatus. Spatha minorum, $2^1/_2$-pollicaris, tubus ventricosus, sphaeroideus, obliquatus, utrinque laete-purpureus; lamina tubo vix longior, erecta, scaphiformis, breviter-cuspidulato-apiculata, flavida. Spadix digitiformis; ad tertiam partem femineus. Ovaria viridia, stigmatibus albis, majusculis, trilocularia, loculamentis

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multiovulatis. Staminodia infima ovaria parum superantia. — America centralis. Wendland. — *v. v. cult. a Wendlandio communicat.*

54. **rubens**. *S. (Synops. p. 84. 1856.)* Petiolus striolis parum elevatis asperatus, quam lamina longior. Lamina fol. triangulare-ovata, apicem versus sensim angustata, breviter-cuspidata, lobis posticis distantibus, rotundate-semiovatis, elongato-subretrorsis. Costae posticae in sinu aperto inferne breviter denudatae. Venae (lobi antici) sub-6, patentes, inferne rectiusculae, apice tantum arcuatae, venastris comitatae. Pedunculus brevis, ruber, albide-striatus. Spatha 6-pollicaris; tubus oblongo-ovoideus, haud multo- l. vix ventricosus, extus viridis, albo-punctato-striolatus, intus amoene rubro-purpurans; lamina tubo sesquilongior, erecta, navicularis, sensim angustata in cuspidem rectam, conoideam, extus viridis, densiuscule interrupte-albo striolata, intus rubro-purpurea. Spadix spatha multo brevior, medio constrictus; pars feminea tertiam partem occupans. Ovaria pallide-virentia, stigmatibus albis majusculis, 3-4-locularia, loculamentis multiovulatis. Staminodia infima vix ultra ovaria prominula. Fructus spathae lamina abjecta, tuboque disrupto fragmentis recurvis involucratus, ovoideus, pallidissime-roseo-albidus. Baccae obconicae; polyspermae. Semina inferne incras-

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sata, apice attenuata. Testa brunnea. — Venezuela. — *v. v. cult.*

*Observ.* Spatha duplex interdum.

55. **cordifolium.** Moritz. *(in schedula.)* Petiolus praecipue apice verruculosus, quam lamina multo longior. Lamina fol. oblongo-ovata, apicem versus arcuatim angustata, cuspidata, lobis posticis brevibus, semiovatis, distantiusculis, retrorsis. Costae posticae in sinu aperto inferne denudatae. Venae lobi antici sub-4, patentes, leviter curvatae, venastris haud conspicuis. Pedunculus brevis, bipollicaris. Spatha $3^1/_2$-pollicaris, extus colorata (Moritz), apice cuspidata. Spadix ultra medium femineus. Ovaria 3-5-locularia, multiovulata. Staminodia inferiora vix prominula. — Venezuela (Moritz.) — *v. s. specim. in Herb. Mus. Vindob.*

56. **Poeppigii.** *S. (Synops. I. p. 84. 1856.)* Petiolus longus, verrucis parum prominulis obsitus. Lamina fol. triangularis l. cordato-triangularis, apicem versus sensim linea arcuata angustata, cuspidulata, lobis posticis rotundatis l. subangulato-rotundatis, sinu levi l. levissimo sed apertissimo longe distantibus. Costae posticae inferne in sinu fere denudatae, reliqua parte angusta et perangusta diachymatis portione lateraliter auctae. Venae lobi antici sub-6, infimae 2, erectius-, reliquae patentius exsertae. Spatha a basi ad medium coccinea. Poeppig. — Brasilia borealis. Poeppig. — *v. s. in Herb. Poepp.*

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57. **ornatum**. *S. (Oestr. B. Wchbl. 1853. p. 378.)* Petiolus lamina longior, praecipue apicem versus, densius verruculosus. Lamina fol. ex cordato-ovato-triangularis, l. late-ovato-cordata, apicem versus sensim linea arcuata angustata, abrupte-cuspidata, lobis posticis rotundatis l. subangulato-rotundatis, sinu aperto profundiusculo distantibus. Costae posticae inferne in sinu fere denudatae, reliqua parte angusta diachymatis portione lateraliter auctae. Venae lobi antici sub-6, omnes aperte-patentes, venastris totidem interjectis parum tenuioribus comitatae. Pedunculus brevis, interrupte albide-striolatus. Spatha 6 pollices longa, tubo subcylindrico, parum ventricoso, bipollicari, extus viridi, dorso et apicem versus tenuissime albo-punctato-striolato, intus ex viridi albente; lamina ovate-aperta, apice longissime subulato-cuspidata, dorso flavente, intus sordide albo-flavente. Spadix spatha multo brevior, vix ad medium femineus. Ovaria 4-5-locularia pallidissime ut stigmata flavo-virentia, loculamentis multi-ovulatis. — Brasilia. *(S.)* — *v. v. spontan. et cultum.*

58. **asperatum**. Hortor. Petiolus lamina longior, ubique densissime verrucosus. Lamina fol. rotundatae-cordiformis, cuspidulata, lobis posticis rotundato-ovatis, obliquatis, sinu aperte-parabolico profundo distantibus. Costae posticae inferne in sinu fere denu-

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datae, reliqua parte angusta diachymatis portione comitatae. Venae lobi antici sub-6, omnes aperte-patentes, venastris totidem alternantibus vix tenuioribus. — *v. v. cult.*

*Synon.* Zantedeschia asperata. C. Koch.

Grex 7. **Achyropodium.** *S.*

Scandens. Stipulae suboppositae. Petiolus teres, carnosulus, setis squamaeformibus apertissime patentibus verrucisque tectus. Lamina fol. cordiformis, cuspidata, venis crassis e lateris medio crasse remoteque pinnate-venulosis, infimis in costas posticas conjunctis, in sinu vix denudatis, lobi antici 5-7, venastris manifestis vix ullis. Pedunculi solitarii. Spatha quam spadix longior.

59. **verrucosum.** Mathieu. *(Catalog. 1854.)* Caudex et rami dense setigeri, setis mox marcescentibus tunc squamaeformibus apice recurvulis, flavo-virentibus, delapsis setis verruculosi. Petiolus 12-14 pollices et ultra longus, laminam vix superans. Stipulae amplae, dorso squamoso-setosae. Lamina fol. rotundate-cordiformis, ampla, apice subsensim cuspidata, lobis posticis rotundate-semiovatis, amplis, incumbentibus. Pedunculus rubens setosus. Spatha extus squamoso-setifera, tubo ventricoso, extus sordide-viridi et rubente, intus amoene rubro-purpureo in laminam late-ovatam, longule-cuspidatam apice et margine albam rubro-

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purpuream extendente. Spadix gibboso-digitiformis, ad $^1/_3$ femineus. Ovaria ut stigmata flaventia. Spica mascula pallidissime flavo-ochracea. Fructus e spatha disrupta solutus oblongus e baccis pallidissime flavo-ochraceis, polyspermis. — Amer. centralis. Wendland. — *v. v. cult.*

Grex 8. **Platypodium**. *S.*

Scandens. Stipulae suboppositae nullae. Petiolus (in juvencula interdum vagina inferne auctus), semiteres, crassus, alato-marginatus, ala l. margine dorso laminae in costam posticam excurrente. Lamina rotundata l. oblongata, cuspidulata; ampla, venis crassiusculis, infimis (in adulta) in costas posticas, in sinu tandem denudatas conjunctis, lobi antici 4-5, venastris nullis.

60. **pterotum**. C. Kch. *(Append. 1854. p. 6.)* Petioli elongati stricti, porrecti, margine membranaceo, angusto, inferne explanato, superne undulato-crispulo. Lamina fol. rotundate-cordiformis, cuspidulata, lobis posticis rotundatis, obliquatis, exitu accumbentibus, amplis. Costae posticae in sinu oblongo-lanceolato ad medium fere (sinus clausi) denudatae, crassae. Venae lobi antici 4, suboppositae, aperte-patentes, rectae, crassae. — Amer. centralis. (Wendland. — *v. v. cult.*

61. **fragrantissimum**. Knth. *(En. III. p. 49. 1841.)* Petioli elongati, margine membrana-

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ceo angustissimo aucti. Lamina fol. cordato-oblonga l. potius ex elongato subsagittato-cordata, cuspidulata, lobis posticis semiovatis l. semioblongulis, brevibus subextrorsum versis. Costae posticae in sinu levi, plus quam apertissimo, vix denudatae, crassulae. Venae lobi antici, 8, inferiores subopppositae, superiores approximate-alternantes, omnes aperte patentes, rectae. Spatha 6 pollices circiter longa, tubo ventricoso, ovoideo, extus laete-rubente, lamina oblonga, tubo sesquilongiore pallide sulphurea, apice rubro-marginata. Spadicis pars feminea virens, mascula quam feminea duplo triplove longior, pallida. Ovaria 6-locularia, loculamentis pluriovulatis. — Demerara Hooker.

*Synon.* Philod. latipes. C. Kch.

62. **Lechlerianum**. *S.* Petiolus lamina brevior, (folii fertilis quam illa fere longior), margine membranaceo angustissimo, subundulato. Lamina fol. ex elongato subsagittato-cordata, apicem versus sensim angustata, acuminata, lobis posticis rotundato-semiovatis, brevibus, exacte retrorsis l. subintrorsis. Costae posticae in sinu modico profundiusculo aperto vix exacte denudatae, vix crassulae. Venae lobi antici 4, infimae subopppositae, reliquae alternantes; omnes patentes, rectae. Spatha $4^1/_2$ pollices longa tubo cylindroideo-oblongo, lamina subsesquilongiore. Spadicis pars mascula quam

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feminea duplo longior. Ovaria 4—5-locularia, loculamentis pluriovulatis, ovulis abbreviatis. — Peruvia. Lechler. — *v. s. spec. spontan. in Herb. Hooker.*

*Observ.* Lamina fol. sterilis sub- 11-pollicaris, inferne vix 6 pollices lata, folii fertilis basi levissime et apertissime sinuati 7 pollices longa $4^1/_2$ pollices lata.

63. **Splitgerberi**. *S.* Petioli lamina breviores, antice plani, dorso convexi, margine membranaceo fere semipollicari medio, apice angustiore, crispulo, basin versus sensim angustato. Lamina fol. late ex cordato ovata, cuspidulata, lobis posticis vix manifestis. rotundatis. Costae posticae in sinu levissimo, quasi repando, vix denudatae. Venae lobi antici sub- 7—8, inferiores omnes alternae, supremae oppositae. — Surinama. Splitgerber. — *v. fol. sicc. in Herbar. Splitgerb. communicat. a Celeb. de Vriese.*

Grex 9. **Cardiophylacium**. *S.*

Scandens. Stipulae suboppositae. Petiolus carnosulus, laevis. Lamina cordiformis, venis crassioribus, infimis in costas posticas conjunctis, in sinu denudatis, venis lobi antici 3—5, venastris alternantibus. Pedunculi plures ex una axilla. Spatha angusta, longitudine spadicis teretiusculi. (Ovarii loculamenta pluriovulata.)

64. **eximium**. *S. (Oestr. B. Wochenbl. 1853. p. 378.)* Petiolus teretiusculus, juvenculae co-

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sta paulo longior, adultae costa et duplo longior. Lamina fol. juvenculae rotundato-ovata, profundiuscule cordata, sinu aperto, lobis (posticis) rotundatis, venis lobi antici 3—4; lamina adultae late ovato-cordiformis, brevissime cuspidata, profunde basi cordata, sinu interdum parabolico, lobis posticis oblique-rotundatis. Costae posticae crassae, in sinu longe-denudatae. Venae haud remotae, potius approximatae, in pagina superiore in sulcis absconditae, venastris intervenialibus comitatae, inferioribus patentissimis, superioribus patentibus, arcuatis, juvenculae in lobo antico 3—4, adultae ibi utrinque 5—6. Inflorescentiae plures, alterne racematae, vaginis bracteantibus interstinctae. Spathae tubus intus albus, extus virens, lamina oblongo-lanceolata, alba. Spadicis mascula pars elongata, quam feminea plus duplo l. triplo longior, flavescens. Ovaria 9—10-locularia, Staminodia ovaria non excedentia. Fructus spatha disrupta tenuiter cylindricus, stramineus e baccis diaphanis in loculamentis fere oligospermis. Semina straminea. — Brasilia S. — *v. v. spont. et cult.*

*Synon.* Ph. Saueranum. C. Koch.

65. **cardiophyllum**. C. Koch. *(App. 1853. p. 4.)* Caudex abbreviatus. Petioli lamina sesquilongiores, supra plani. Lamina fol. late-ovato-cordiformis, cuspidata, profunde basi cordata, sinu arcuato obtuso, lobis posticis

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rotundatis. Costae posticae crassae, in sinu denudatae. Venae subremotae, in pagina superiore in sulcis absconditae, venastris intervenialibus comitatae, aperte-patentibus, rectiusculis, in lobo antico juvenculae sub-3, adultae sub-5. Inflorescentia . . . . . Spatha apice minus aperta, viridi-lutescens. Spadix tenuis, cylindricus. — Venezuela — *v. f. s.*

*Synon.* Ph. macrophyllum. C. Kch.

66. **peltatum**. *S.* Petiolus teretiusculus. Lamina fol. ex ovato cordiformis, sensim acuminata, basi late-peltata, lobis exitu tantum sinu levi-aperto, in fundo obtuso, secedentibus oblique rotundatis. Costae posticae valde-retrorsae, approximatae, vix crassae, ubique diachymate comitatae. Venae remotiusculae, venastris alternantibus, patentissimae, rectiusculae, apice tantum curvae, utrinque sub-4 . . . . . — Peruvia Poeppig. — *v. f. sicc. in Herb. Poepp.*

*Obsv.* Annon Anthurium peltatum Poepp. hujus loci? — Folium Philod. peltati in herbario Poeppigiano nomine Anthurii peltati asservatum!

67. **fraternum**. *S. (Bonpl. 1859. p. 29.)* Petiolus lamina longior. Lamina fol. ex ovato cordiformis, basi profunde et aperte-sinuata, lobis obliquato-rotundatis, apice acuminato-cuspidata. Costae posticae in sinu inferne denudatae. Venae remotae, sub-4, venastris alternantibus comitatae, patentissimae, cur-

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vae. Pedunculi bipollicares. Spatha (juvencula) tripollicaris et ultra, cuspidato-apiculata. Spadix ad medium femineus. Ovaria 4—5-locularia, loculamentis pluriovulatis. — Venezuela Fendler. — *v. s. spontan. in Herb. Hooker.*

68. **brevispathum.** *S. (Bonpl. 1859. p. 29.)* Petiolus costa brevior. Lamina fol. ex ovato sagittato-cordata, apicem versus sensim linea parum arcuata angustata, longe-cuspidata, basi profunde sinuata, lobis posticis oblique-oblongatis, exitu rotundatis. Costae posticae vix ac ne vix in sinu profundo angusto, parabolico denudatae. Venae utrinque sub-5, in lobo antico, aperte patentes, rectiusculae, apice curvatae. Inflorescentiae 1—2 ex una axilla. Pedunculus brevissimus. Spatha $2^1/_2$—3 pollices longa, tubo vix pollicari, apice acuta. Spadix conoideo-cylindroideus, stipite brevi suffultus. Spica feminea semipollicaris, neutra paululo l. vix longior, mascula quam feminea triplo longior. Ovaria sub-6-locularia, loculamentis multiovulatis. — Panamae Isthmus. Fendler. — *v. s. spec. spont. in Herb. Hook.*

69. **amphibium** Knth. *(En. III. p. 52. 1841.)* Petiolus teres . . . . . Lamina fol. ex oblongo cordato-ovata, apicem versus linea arcuata sensim angustata, acutata, basi profundiuscule sinuata, lobis posticis rotundatis. Costae posticae vix ac ne vix in sinus fundo rotundato profundiusculo denudatae.

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Venae in lobo antico utrinque 5—6, (venastris verosimiliter alternis), aperte-patentes, inferne rectiusculae, superne arcuatae. Inflorescentiae 2—3 ex una axilla. Pedunculus brevissimus. Spatha sub-4-pollicaris, tubo brevissimo. Spadix spatha brevior. — Brasilia. (Flor. Flum.)

70. **hederaceum.** *S. (Melet. I. p. 19. 1832.)* Petiolus teres, crassiusculus, costam subaequans. Lamina juvenculae cordiformis, breviter cuspidata, lobis posticis semiovatis, rotundatis, sinu aperto distantibus. Costae posticae vix formatae, in sinu vix denudatae. Venae haud multo remotae, utrinque sub-4, venastris . . . . . sigmoideae. (Lamina adultae magis in oblongam protensa, venis utrinque sub-6.) — Martinica. Plumier.

Grex 10. **Belocardium.** *S.*

Scandens. Stipulae suboppositae. Petiolus laevis. Lamina ex ovato cordiformis, venis crassulis, infimis in costas posticas connexis, in sinu haud l. vix denudatas, lobi antici 3—4, venastris obsoletis, raro venaeformibus. Pedunculus solitarius. Spatha crassula, spadice longior. (Ovarii loculamenta 1—2-ovulata).

71. **subovatum.** *S. (Oestr. B. Wochenbl. 1855. p. 289.)* Petiolus teres juvenculae costa paulo longior. Lamina juvenculae ovata, apicem versus linea arcuata angustata, cu-

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spidata, ad basin rotundata, adultior basi leviter cordata lobis rotundatis. Costae posticae mox in venas solutae, vix imo denudatae. Venae utrinque 4—5 in lobo antico, aperte patentes. — Mexico australis. (S.)— *v. s. cult.*

72. **Hoffmannii.** *S. (Oestr. B. Zeitschft. 1858. p. 178.)* Petiolus laminam subaequans, teretiusculus. Lamina fol. ovato-triangularis, apicem versus sensim acutata, summo apice acuminato-cuspidata, ad basin profunde-cordata, lobis posticis subextrorsis, semi-oblongo-ovatis, exitu rotundatis. Costae posticae in fundo sinus profundi, aperti subl. brevissime denudatae. Venae antici lobi utrinque sub-4, aperte-patentes, inferiores rectae, apice tantum curvatae, superiores arcuatae. Pedunculus brevis. Spatha sub-6-pollicaris, inferne in tubum ovoideum convoluta, apice acuminato-cuspidata. Spadix spatha pollice brevior, vix ad quartam partem manifeste femineus. Spica feminea crassa, neutra quam feminea longior, (inferne ovarodiis superne staminodiis obsita) ac tenuior, mascula incrassata, utrinque attenuata, obtusa, quam neutra longior. Ovaria (in sicco apicem versus attenuata) subtrilocularia, loculamentis biovulatis. — Costa-rica Hoffmann. — *v. s. spec. spont. in Herb. G. Berol.*

73. **deviatum.** *S. (Bonpl. 1859. p. 29.)* Petiolus . . . . . Lamina fol. rotundato-ovata,

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apicem versus arcuatim-angustata, cuspidata, ad basin profunde-cordata, lobis posticis retrorsis, late semiovatis, exitu rotundatis. Costae posticae in fundo sinus profundi, angusti, vix denudatae. Venae lobi antici utrinque 5—6, sub-aperte-patentes, inferiores rectae, apice tantum curvae, superiores arcuatae. Pedunculus . . . . . Spathae tubus ovoideus, . . . . . Spadix . . . Fructus ovoideus, . . . . . Baccae 2-4-loculares, loculamentis superposite-dispermis. Semen ellipticum. — Venezuela. Fendler. — *v. s. in Herb. Hooker.*

74. **Advena.** *(Oestr. B. Wochbl. 1855. p. 289.)* Petiolus semiteres, laminae costa plus duplo longior. Lamina ovato-cordata, linea arcuata, acutata, longe-angusteque cuspidulata, basi profunde-cordata, lobis posticis retrorsis, late- saepeque oblique-semiovatis, exitu rotundatis. Costae posticae in fundo sinus profundi plus minusve aperti vix denudatae. Venae lobi antici utrinque in sulcis usque ad 10, inferiores aperte-patentes, inferne rectiusculae, apicem versus arcuatae, superiores patentes l. erecto-patentes, curvatae. Pedunculus elongatus, dimidiam metiens laminae costam, apicem versus incrassatus. Spatha sub-4-pollicaris, tubo ovoideo 2-pollicari, extus viridi, intus amoene-purpureo, lamina parum aperta ovata, breviter-cuspidulata, extus albido-virente, intus alba. Spadix digitiformis, la-

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mina pollice fere brevior, ad tertiam partem femineus, albo-virens, reliqua parte staminodiis ovaria superantibus instructa, apice obtusa flavens. Ovaria sub-6-locularia, loculamentis uniovulatis, ovulis basin axeos versus exsertis. — Mexico austral. — *v. v. cult.*

75. **populneum**. C. Koch. *(Catalog. Augustin.)* Petiolus semiteres, laminae costa duplo longior, praecipue basin versus densissime verruculis minutissimis obsitus. Lamina triangulari-cordata, juvenculae oblongo-, adultae aequilatere-triangularis, repentino-apicem versus angustata, cuspidulata, basi leviter-cordata, lobis posticis levissime introrsis, angulatis, exitu obtusissimis. Costae posticae in fundo sinus latissime aperti vix denudatae, angulo obtusissimo distantes. Venae lobi antici utrinque 3—4, infimae aperte-patentes, superiores patentes, omnes curvulae. — *v. s. cult.*

76. **erubescens**. Linden. *(Catalog. — C. Koch. app. 1854. p. 6.)* Petiolus teres, laevis, quam costa multo longior. Lamina elongato-ovato-triangularis, ex imo apicem versus linea fere recta, sensim angustata, summo apice repentino contracta et acuminate cuspidata, basi haud profunde cordata, lobis posticis retrorsis, angulatis, exitu rotundatis. Costae posticae in fundo sinus late aperti vix denudatae, angulo obtuso a se invicem distantes. Venae lobi antici sub-4,

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aperte patentes, rectiusculae. Pedunculus longulus. Spatha sub-6-pollicaris, rubro-purpurea, tubo ovato mediam spatham metiens, lamina cymbiformi, apiculata. Spadix elongato-digitiformis, spatha paulo brevior, ad tertiam partem circiter femineus, staminodiis infimis ovaria paulo superantibus, pallide-flavidus. Ovaria sub-8-locularia loculamentis uniovulatis, ovulis basin axeos versus exsertis. — *v. v. cult.*

*Observ.* Tota planta rubescit.

77. **Jacquinii**. *S. (Synops. I. p. 90. 1856.)* Petiolus teres, tenuis, costae circiter longitudine. Lamina fol. elongato-triangularis, longe-sensimque acuminata, basi profunde-cordata, lobis posticis retrorsis, exitu rotundato subintrorsis, oblique semiellipticis. Costae posticae in fundo sinus profundi, potius angusti, subparabolici vix denudatae. Venae lobi antici utrinque 5—7? aperte-patentes, rectiusculae. Spatha crassa, tubo intus colorato. Fructus ovoideus. Baccae 4-loculares, loculamentis dispermis. Semina ovalia, utrinque obtusa. — Carthagena. Jacquin.

*Synon.* Ph. hederaceum Knth. quoad plantam Jacquini.

78. **Lindenii**. *S. (Synops. I. p. 89. 1856.)* Petiolus depresso-teretiusculus, crassus, laevis costa sesquilongior. Lamina fol. late cordato-ovata, apicem versus arcuate-angustata, cuspidulata, basi profunde cordata,

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lobis posticis introrsis, oblique semiovatis, exitu rotundatis. Costae posticae in sinus aperti sat profundi fundo rotundato, vix denudatae. Venae lobi antici utrinque 4—5, aperte-patentes, curvae. Pedunculus subelongatus, firmus. Spatha pedunculo paulo brevior, vix 6 pollices longa, tubo ovoideo ad mediam spatham extenso, extus flavovirenti, intus excepta ima parte rubro-purpurea albido, lamina flavente cymbiformi, quam tubus minus profunda. Spadicis digitiformis, spatha brevioris, spica feminea dimidium occupans spadicem. Ovaria sub-8-locularia, loculamentis uniovulatis, ovulis ad imam axin exsertis. — Nova-Granata, Venezuela. — *v. v. cult.*

79. **Aerocardium**. *S. (Oestr. B. Zeitschr. 1858. p. 179.)* Petiolus . . . . . Lamina fol. cordato-ovata, longe sensimque linea arcuata apicem versus angustata longeque acuminato-cuspidata, basi modice-cordata, lobis posticis introrsis, oblique angulato-semiovatis. Costae posticae in fundo sinus rotundato-parabolici, profundiusculo vix denudatae. Venae lobi antici utrinque 3—4, aperte-patentes infimae, patentes supremae, rectiusculae . . . . . — Guatimala. Wendland. — *v. s. specim. spontan. in Herbar. Wendl.*

80. **consanguineum**. *S. (Synops. I. p. 88. 1856.)* Petiolus teres quam costa $^1/_3$ longior. Lamina cordato-ovalis, apicem versus linea

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valde arcuata repentino angustata, cuspidulata, basi profunde cordata, lobis posticis introrsis oblique semiovatis, incumbentibus, exitu rotundatis. Costae posticae . . . . . Venae lobi antici utrinque sub-4, aperte-patentes, arcuatae. — St. Domingo Plum.

Grex 11. **Cardiobelium**. *S.*

Scandens. Stipulae subopppositae. Petiolus laevis, crassus. Lamina cordato-ovata, venis crassis, infimis in costas posticas connexis, in sinu manifeste denudatas, lobi antici 5—6, venastris obsoletis. Pedunculus solitarius. Spatha crassa, gibba. Spadix crassus. (Ovarii loculamenta pluriovulata.)

81. **giganteum**. *S. (Synops. I. p. 89. 1856.)* Petiolus teretiusculus, crassus, costa duplo longior. Lamina fol. late-cordato-ovata, apicem versus linea arcuata angustata, apiculata, basi profunde-cordata, lobis posticis introrsis, oblique semiorbiculatis. Costae posticae in sinu fundo parabolico, profundo, quasi longe-denudatae. Venae lobi antici utrinque crassae, sub-5, aperte-patentes, curvae. Pedunculus brevissimus, crassus. Spatha tubo sphaeroideo-ovoideo, crasso, antice apice constricto, intus coccineo, extus sordide-rubente, lamina oblonga, profunde-cucullato-cymbiformis, antrorsum curva, dorso cum tubo continua. Spadicis crassi mascula pars elongata, spatham fere

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superans, conoidea, pallide-flavens quam feminea multoties longior. Ovaria 4-6-locularia, loculamentis multiovulatis. Staminodia ovaria superantia, media crassissima. Stamina 5-6 flosculum formantia. Fructus crasse-obovoideus luteus, loculamentis 11-12-spermis. Semen ellipsoideum, sordide-flavens. — *v. v. cult.*

III. Lamina fol. plus minusve sagittata, costula loborum posticorum, venis rectiusculis pinnativenia, (in sinu denudata). Stipulae subopppositae.

Grex 12. **Meconostigma**. *S.*

Arborescens. Petiolus acietato-semiteres. Lamina fol. pergamena, sagittata, venis crassis, antici lobi 3-5, venastris irregulariter exsertis interdum nullis. Pedunculi solitarii. Spatha tubo subindistincto, ad basin fere naviculare-aperta. Spadix crassus, spica feminea brevi, neutra duplici, inter ovaria et antheras et in apice spadicis, priore longa, altera breviore. Ovaria stigmatibus magnis, contiguis, arcte peltato-radiato-plurigibbis coronata, multilocularia, loculamentis 2-4-ovulatis. Antherae tenues. Semina ellipsoidea.

82. **speciosum**. *S. (Melet. I. p. 20. 1832.)* Petiolus antice deplanatus, costa plus duplo longior. Lamina fol. triangulari-oblongo-ovata, acuminata, cuspidulata, profunde-sagittata, lo-

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bis posticis irregulariter oblongis, obtuse-acutatis, latere sinus infra medium subabrupte contractis. Costae posticae in sinu parabolico ad tertiam longitudinis partem denudatae. Venae lobi antici (venae interlobares semper exceptae) sub-4, patentissimae, rectiusculae, exortu crassae, marginem versus deliquescentes. Pedunculus brevis. Spatha crassa, extus viridis, intus ex toto kermesina, fundum versus vero magis flavens. 9-12 pollices longa. Spadix crassus, teres, (diametro 1-1 $^1/_4$ pollicari), apice obtusissimus, ad $^1/_3$ femineus, (parte feminea parum spathae dorso adnata,) ultra $^2/_3$ flosculis neutris tectus, pallide-flavescens. Ovaria 9-11-locularia, loculamentis angustissimis, 2-4-ovulatis, vix dimidiam altitudinem (ovarii) occupantibus. Fructus oblongus fere Maydis forma et colore. Baccae multiloculares, loculamentis 2-4-spermis. Semina elliptica. — Brasiliae prov. Rio de Janeiro. (S.) — *v. v. spontan. et cult.*

83. **Tweedieanum.** *S. (Bonpl. 1859. p. 29.)* Petiolus costa longior. Lamina, fol. aequilateraliter triangulare-sagittata, rotundate-obtusa, apiculata, lobis posticis rhombeis exitu acutatis l. obtusatis, latere sinus inferne abrupte contractis. Costae posticae in sinu aperto ad decimam partem totius longitudinis circiter denudatae. Venae lobi antici 3-4, hinc inde venastris tenuibus comitatae, aperte-patentes, rectae, exitu arcuatim in

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marginem deliquescentes. Pedunculus elongatus, 12-15-pollicaris. Spatha 5-6-pollicaris, cuspidulata. Spadix digitiformis apice obtusus, ima vix pollicari parte femineus, spathae dorso adnatus, apicem versus antherifer, parte neutra intermedia, quam reliqua terminalis duplo longiore. Ovaria 4-8-locularia, loculamentis 4-ovulatis, (in sicco) totam altitudinem (ovarii) occupantibus. — Brasilia. Paraná. Tweedie. — *v. s. in Herb. Hooker etc.*

84. **Corcovadense.** Knth. Caudex aculeatus. Petiolus costae longitudine. Lamina fol. triangulari-sagittata, apice acutata, lobis posticis rhombeis, exitu acutatis l. obtusatis, latere sinus ad imam 5tam partem abrupte contractis. Costae posticae in sinu parabolico l. subaperto basi longe-denudatae. Venae lobi antici utrinque sub-3, patentissimae, rectae, exitu arcuatim deliquescentes. Pedunculus longulus. Spatha 5-pollicaris. Spadix digitiformis, apice subacutatus, inferne parte feminea bipollicari, $^2/_3$ spathae dorso adnata praeditus, neutra parte intermedia ultra bipollicari, antherifera 8-9 lineas longa et staminodiifera terminante 4-lineari exstructus. Ovaria 4-5-locularia, loculamentis 4-ovulatis, totam altitudinem ovarii (in sicco) occupantibus. — Brasiliae provincia Rio de Janeiro. Riedel. — *v. s. spontan. in Herb. Hort. Petropol. et Holmiensi (a Widgren. collect.).*

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## Grex 13. **Eubelium**. *S.*

Scandens. Petiolus teretiusculus. Lamina fol. herbacea, subcordato-sagittata, venis crassiusculis, lobi antici 3-5, venastris nullis. Pedunculi plures ex eadem axilla. Spathae tubo distincto, ellipsoideo, lamina ex ovato cymbiformi. Spadix digitiformis, spica feminea elongata, neutra intermedia tantum, haud praelonga, mascula ad apicem producta. Ovaria stigmatibus distantibus, hemisphaericis coronata, plurilocularia, loculamentis pluriovulatis. Antherae breves, crassae.

85. **obtusilobum**. Miquel. *(Delect. sem. 1853.)* Petiolus teres costa longior. Lamina fol. sagittato-oblonga, breviter cuspidulata, lobis posticis oblique oblongo-semiellipticis, exitu rotundatis, latere sinus elliptici sat profundi sensim in costas defluentibus. Costae posticae in sinus fundo denudatae. Venae lobi antici 3-5, patentissimae, rectae, marginem versus deliquescentes. — Caracas. Miquel. — *v. v. cult.*

86. **quinquenervium**. Miquel. *(Delect. semin. 1853.)* Petiolus teres, lamina multo, costa duplo longior. Lamina fol. sub-sagittata, apicem versus linea arcuata angustata, breviter anguste-cuspidulata, lobis posticis subintrorsis, obliquatis, subsemiellipticis, exitu sub-angulatis, sinus fundum versus subrepentino l. et abruptiuscule costulis posti-

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cis defluentibus. Costae posticae in sinu parabolico profundo, fere angusto, ima parte denudatae. Venae lobi antici utrinque 4–5, aperte-patentes, curvulae, apice deliquescentes. — Caracas. Miquel. — *v. v. cult.*

87. **grandifolium**. *S. (Melet. I. p. 19. 1832.)* Petiolus teres l. antice interdum deplanatus, costae longitudine l. longior. Lamina fol. subcordato-sagittata, arcuatim-acutata, cuspidata, lobis posticis late-ovatis, exitu obtusis l. obtusissimis, latere sinus ad imam 6-tam partem subrepentino- l. subabrupte contractis. Costae posticae in sinu parabolico subaperto basi longule-denudatae. Venae omnes crassulae tantum, lobi antici utrinque sub-5, patentissimae, curvulae, loborum posticorum latere sinus 3, crassulae, prominentes. Pedunculus brevis. Spatha 4-pollicaris, tubo extus flavo-viridi, intus dorso purpurascente, lamina extus pallide viridi-flava, intus albo-sulphurea. Spadicis feminea pars masculam aequans. Ovaria 9-11-locularia. Staminodia ovaria non superantia. — Caracas. Jacquin. — *v. v. cult.*

88. **Hookeri**. *S. (Synops. I. p. 93. 1856.)* Petiolus antice subdeplanatus, costa longior. Lamina fol. cordato-sagittata, apicem versus sensim acutata, vix cuspidulata, lobis posticis oblique-oblongis, exitu obtusis l. obtusissimis, sinu profundo plus minusve aperte distantibus, latere interiore sensim et anguste in costas posticas decurrentibus. Co-

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stae posticae in fundo sinus ad 6-tam partem denudatae. Venae omnes haud crassae, lobi antici utrinque (excepta vena interlobari) 3-4, patentissimae loborum posticorum latere sinus, 3 tenuissimae, saepe inconspicuae. Pedunculus longulus. Spatha 4-6 pollices longa, tubo extus flavo-virenti, intus fundo punicante dorso purpurante, lamina sulphurea. Spadicis feminea pars mascula brevior. Ovaria 9-10-locularia. Staminodia inferiora ovaria paulo superantia. — Demerara. Hooker. —

*Synon.* Caladium grandifolium. Hooker. Bot. Mag.

89. **Wullschlaegelii.** *S. (Synops. I. p. 94. 1856.)* Petiolus teres, costa longior. Lamina fol. cordato-sagittata, apicem versus sensim acutata, subcuspidata, lobis posticis sinu profundo, basi profunde-parabolico l. subaperto distantibus, latere interiore subabrupte et latiuscule in costas posticas angustatis, obtuse-acutatis l. obtusatis. Costae posticae ima basi tantum denudatae. Venae omnes crassae, lobi antici utrinque 3, patentissimae, mox deliquescentes, loborum posticorum latere interiore inconspicuae, subnullae. Pedunculus longulus. Spatha 4-5 pollices longa, . . . . . Spadicis feminea pars, maxima parte spathae dorso accretae vix $^1/_3$ totius longitudinis. Ovaria 5-7-locularia. Staminodia ovaria non superantia. — Su-

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rinama. Wullschlaegel. — *v. s. specim. spontan. in Herb. Monac.*

90. **acutatum**. *S. (Synops. I. p. 94. 1856.)* Petiolus teres apicem versus antice deplanatus, costa duplo et ultra longior. Lamina fol. cordato-triangulare-sagittata, apicem versus sensim angustata et acutata breviuscule-cuspidulata, lobis posticis sinu profundo parabolico, saepe anguste-parabolico distantibus, latere interiore repentino- et latiuscule- in costas posticas angustatis, obtuse-angulatis l. plus minusve rotundatis. Costae posticae ima basi tantum denudatae. Venae omnes crassae, lobi antici utrinque 3-4, patentes, marginem versus deliquescentes, loborum posticorum latere interiore 1-2, crassulae. Pedunculus longulus. Spatha 5-6 pollices longa, rectiuscula, tubo $2^1/_2$-3 pollices longo, extus sordide-purpurante, intus ex toto amoene purpureo, lamina cuspidulate-apiculata, extus flavo-virente, intus albida. Spadix cylindricus, apice acutatus, ultra mediam spicam femineam, spadicis trientem metientem spathae dorso adnatus. Ovaria pallide-flavo-virentia, 6-8-locularia. Staminodia annulum 4-5 lineas latum occupantia, ovaria paululo excedentia, albida. Antherae vertice carneae, ad latera flavida, loculis albentibus. — Venezuela. (S.) — *v. v. cult.*

91. **cordatum**. Knth. *(En. III. p. 52. 1841.)* Petiolus tenuis. Lamina fol. ex oblongo-ova-

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to-sagittata, sensim acuminata, profunde-sinu obtecto divisa, lobis posticis introrsis, semi-oblongo-ovatis, obtusis l. obtusissimis, latere interiore subsensim angustatis. Costae posticae valde-retrorsae, imo tantum denudatae. Venae omnes tenues, lobi antici utrinque sub-5? patentes, loborum posticorum latere interiore sub-2. Pedunculus brevissimus. Spatha sub-3-pollicaris. Spadix digitiformis. — Brasilia. Flor. Flum.

IV. Lamina folii plus minusve elongato-sagittata, venis omnibus sursum curvatis. Stipulae subopppositae.

Grex 14. **Macrolonchium.** *S.*

Scandens. Petiolus laevis. Lamina fol. elongato-cordato-sagittata, venis crassioribus in sinu denudatis, lobi antici 3-4, remotis. Pedunculi solitarii.

92. **linguaeforme**. C. Kch. *(in schedula H.B.B.)* Petiolus antice deplanatus, costam aequans l. superans. Lamina elongato-cordato-oblonga, a basi apicem versus sensim leviterque angustata, in ipso apice repentino contracta, anguste- et longule-cuspidata, lobis posticis vix profundo vero aperto, in fundo rotundato sinu distantibus, late semiovatis, exitu rotundatis, latere interiore sensim decursive-angustatis. Costae posticae inferne breviter-denudatae. Venae omnes vix tenues, lobi antici utrinque 3-4, marginem

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versus deliquescentes, inferiores suberecto-patentes, supremae patentes, loborum posticorum 3-4 inferne conjunctae. — *v. f. s. cult.*

*Synon.* Ph. Sellowianum. C. Kch.

93. **Simsii.** Knth. (*En. III. p. 48. 1841.*) Lente-prorepens, fere ecaudicatum. Petiolus antice deplanatus, costa longior. Lamina fol. elongata triangulare-sagittata, longiuscule cuspidata, lobis posticis profunde apertoque sinu distantibus, oblique semi-oblongo-ovatis, exitu obtusis l. rotundatis, latere interiore repentino-angustatis. Costae posticae breviter-denudatae. Venae omnes vix tenues, lobi antici utrinque 4, in marginem usque productae, loborum posticorum 3-4 inferne conjunctae. Pedunculus brevis. Spatha 6-7-pollicaris, subgibba, tubo subbipollicari obovoideo, extus atropurpureo, intus magis lateritio, lamina longe-cuspidata, extus sordide-flavens, dispersis maculis minoribus purpureis irregularibus picta, intus subcarnea. Spadix geniculate-curvus, supra staminodia constrictus, apicem versus attenuatus, spica feminea $^1/_4$ totius longitudinis, neutra brevis $^3/_4$ pollicaris, ut antherarum spica pallidissime ochracea. Ovaria 6-7-locularia. Staminodia ovaria paululo superantia. — . . . . . *v. v. cult.*

Grex 15. **Macrobelium.** *S.*

Scandens. Petiolus laevis. Lamina fol. elongato-sagittata, venis crassioribus in

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sinu nunquam denudatis, lobi antici 6—7. Pedunculi solitarii.

94. **latifolium** C. Koch. *(Append. 1855. p. 3.)* Petiolus lamina longior. Lamina fol. subsagittato-oblonga, ad apicem fere subparallela l. sensim angustata, ipso apice repentino angustata, cuspide triangulari, longulo aucta, basi leviter-cordata, lobis paulo prominentibus, rectis, rotundatis l. subangulare-obtusatis, sinu levi, valde aperto distantibus. Costa (media) crassa, posticae vix formatae, e venis imo tantum concretis reliquis antici lobi conformibus. Venae crassiusculae, lobi antici 6—7, inferiores patentissimae, supremae patentes l. erecto-patentes, omnes parum curvae, jam ante marginem subdeliquescentes . . . . . Caracas. Rchnbch., Fil. — *v. s. f. a Clariss. Rchnb. f. mecum commun.*

*? Synon.* Phil. Imbé, plurim. Hortor.!

95. **daemonum.** Liebm. *(Widensk. Meddelels. 1850. p. 17.)* Petiolus subteres, 8—9 pollices longus, antice leviter-canaliculatus. Lamina fol. cordato-hastata 11—13 pollices longa, 4—7½ pollices lata, apice acute acuminata, lobis posticis divaricatis, parum deorsum productis, triangularibus, sinu valde aperto distantibus, exitu obtusis l. rotundatis. Costae posticae e venis ima parte tantum connatis compositae divergentes. Venae omnes tenues, lobi antici 6—7, rectiusculis, apice tantum in margi-

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nem curvis, infimae patentissimae, reliquae patentes. Spatha 6-7-pollicaris, coriacea, crassa, medio leviter ventricosa, ceterum cylindrica, inferne sensim in pedunculum transiens, margine membranaceo pallide-virente-purpureo-maculata. Spadix digitum crassus, cylindricus, apice parum attenuatus. — Mexico. Liebmann. *v. fol. sicc. in herb. Liebmann.*

96. **sagittifolium** Liebmann. *(Vidensk. Meddelels. 1850. p. 17.)* Petiolus longus, depressiusculus. Lamina fol. elongato-sagittata, ab insertione petioli ad apicem 15-pollicaris, a loborum exitu ad apicem 18-pollicaris, 6 pollices lata, manifeste inaequilatera, subparallela, apice sensim angustata, acuminata, lobis posticis leviter extrorsis, triangulare semiellipticis, exitu subangulatis l. rotundate-obtusatis, $3\frac{1}{2}$—$4\frac{1}{2}$ pollices longis, sinu profundo acutiusculo sensim curvato-ampliato distantibus. Costae posticae angulo acuto a se invicem remotae, e venis inferne longulo l. longo spatio connexis, crassulae. Venae omnes tenues, lobi antici 6—7, inferiores horizontaliter exsertae, mediae patentissimae, summae patentes, omnes apice arcuatim in marginem curvae. — Mexico. Liebmann. *v. fol. sicc. herb. Liebmann.*

97. **tanyphyllum**. *S.* Petiolus teres, apicem versus antice deplanatus, costa duplo fere longior, maculis fuscis l. fusco-violaceis

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sparsis obtectus. Lamina fol. triangulari-oblongo-sagittata, apicem versus sensim linea leviter curva angustata, acuminato-cuspidata, ab insertione petioli ad apicem $1^3/_4$ pedes longa, a loborum exitu ad apicem 25 pollices longa, 8-12 pollices lata, lobis posticis potius introrsis, triangulare-ovatis, 3-5 pollices longis, subangulatis l. rotundatis, sinu profundo triangulare aperto secedentibus. Costae posticae angulo recto a se invicem distantes, e venis inferne breviter connexis, crassulae. Venae omnes proportione potius tenues, lobi antici 5-6, venastris alternis interdum auctae, omnes aperte-patentes l. patentes, inferne rectiusculae, apice curvatim in marginem progredientes. Pedunculus longulus. Spatha ultra 6 pollices longa, tubo oblongo, paulo tumido, externe flavo-virenti, interne puniceo, lamina pallide-flavente, marginem versus albicante, apice breviter subulato-apiculata. Spadix digitiformis, parte mascula cum neutra albida quam feminea triplo fere longior. Ovaria rosea, 5-9-locularia, stigmate flavente. Fructus spatha a basi disrumpente, oblongo-ovoideus stramineus e baccis 5-9-locularibus, loculamentis 2-4-spermis. Semina oblongo-ellipsoidea, primum pallide-flaventia, demum ferruginea. — Mexico australis. S.

*Synon.* Ph. sagittifolium. S. Synops. p. prt.

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Grex 16. **Imbéa.** *S.*

Scandens. Petiolus laevis l. muricatus. Lamina fol. ex ovato-oblongo cordato-sagittata, costis posticis et his deficientibus venis infimis tantum conspicuis tenuibus, in sinu fere subdenudatis, reliquis lobi antici evanidis. Pedunculus subsolitarius.

98. **Mathewsii.** *S. (Bonpl. 1859. p. 29.)* Petiolus costa brevior, l. paulo longior. Lamina fol. sagittato-lanceolata, basi sinu levi, lobis obtusis l. rotundatis, brevibus instructa, a basi apicem versus sensim angustata et in cuspidem longiusculam terminata, 5-7 pollices longa, 2 pollices basi lata. Costa venis crassioribus destituta, venulas tantum valde approximatas, patentes, parum curvulas exserens. Inflorescentia solitaria, vix dimidiam petioli longitudinem attingens l. superans. Pedunculus spatha fere longior, gracilis. Spatha vix sesquipollicaris, convoluta, tenuis. Spadix ad medium fere usque femineus. Ovaria sub-4-locularia, loculamentis uniovulatis. — Peruvia. Mathews. — *v. s. in Herb. Hooker.*

99. **Krebsii.** *S. (Bonpl. 1859. p. 164.)* Petiolus elongatus. Lamina fol. ovato- l. oblongo-elliptica, basi leviter-cordata, lobulis rotundatis, leviter arcuata linea cum lobo antico confluentibus, sinu sensim aperto distantibus, apice arcuatim angustata, subcuspidate-acutata. Costa crassiuscula. Venae cras-

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siores vix conspicuae, ex inferiore parte laminae tantum exsertae. Venulae costales patentissimae, densissimae, rectiusculae, in margine laminae abrupte sursum curvatae, confluentes . . . . . Ins. St. Thomae. Henr. Krebs. — *v. s. in herb. Hafniensi.*

100. **Imbé**. *S. (Melet. I. p. 19. 1832.)* Caudicis rami saepe ex ferrugineo-purpurantes. Petioli juvenculae semiteretes, adultae teretes, interdum sparse fusco-maculati, costa et duplo longiores. Lamina fol. pergamena aequata, ovata l. oblonga, breviter cuspidulata, juvenculae basi leviter-, adultae (15-18 pollices longa, 7-8 pollices lata), profunde-cordata, lobis sinu parabolico angusto distantibus, oblique elongato-semiellipticis, exitu rotundatis. Venae tantum costae basin versus exsertae, patentissimae, immo horizontales, infimae in costas posticas confluentes. Pedunculus brevis. Spatha ad basin fere usque evoluta, tubo extus virescente, intus rubicundo, lamina subexplanata, late-ovata, utrinque sordide-flava. Spadix digitiformis, parte mascula quam feminea sesquilongior. Ovaria 10-locularia, loculamentis subbiovulatis. — Brasiliae prov. Rio de Janeiro. S. — *v. v. spont. et cult.*

*Synon.* Ph. Sellowianum. Knth.

— callaefolium. Hortor.

101. **muricatum**. *S. (Oesterr. B. Wchnbl. 1854. p. 418.)* Rami verrucoso-muricati. Petiolus costae longitudine, densissime verrucoso-

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muriculatus. Lamina fol. oblongo-ovata, brevissime cuspidulata, basi profunde-cordata, lobis posticis sinu angustiore aequicrure-triangulari distantibus, oblique oblongo-semiellipticis, apice rotundatis. Venae in parte inferiore laminae tantum, infimae in costas posticas conjunctae. Venulae patentissimae. Pedunculus spatha paulo brevior, sparsius verrucoso-muriculatus. Spadix digitiformis, parte mascula quam feminea triplo et ultra longiore. Ovaria sub-4-locularia. — Brasilia. Willd. Herb. Nr. 17741. — *v. s. in Herb. Willd.*

V. Folii lamina hastata, venis omnibus sursum arcuatis. Stipulae subopositae.

Grex 17. **Oligophlebium**. *S.*

Scandens. Petiolus tenuiusculus, laevis. Lamina fol. subpergamena, hastata l. hastato-triangularis, venis paucis, tenuibus, costis posticis in sinu vix l. non denudatis. Pedunculi plures ex eadem axilla.

102. **deltoideum**. Poepp. Petiolus teres costa sesquilongior. Lamina fol. deltoidea l. deltoideo-hastata, cuspidulata, basi subtruncata, leviter- l. profundius repando-cordata, lobis horizontaliter extrorsum versis, subacutato-oblongis l. semiellipticis, obtusis l. rotundatis. Venae loborum omnium paucissimae, obsoletae, patentes. Costae posticae

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sive laterales horizontaliter protensae, latere superiore tantum venis nonnullis praeditae. Spatha sordide-alba, sesquipollicaris. Ovaria 5-locularia. — Peruvia. Poeppig. — *v. s. in Herb. Poepp.*

*Synon.* Calla radicans. Ruiz et Pav. in Herb. G. Berol.

103. **variifolium.** *S. (Synops. I. p. 100. 1856.)* Petiolus teres, costam aequans. Lamina fol. cordato-oblonga l. sagittato-, l. hastato-oblonga l. et hastata, cuspidato-acuminata, basi sinu levissimo apertissimo, lobis posticis (hic lateralibus interdum) brevissimis et obtusissimis l. elongato-oblongis, obtusis, sursum curvis. Costae posticae subsimplices, horizontaliter sigmoideo-sursum-curvae. Venae subnullae cum venulis tenuissimis patentibus apice repentino in marginem procurvis . . . . . — Peruvia. Poeppig. — *vidi fol. sicca in Herb. Poepp.*

104. **Reichenbachianum.** *S. (Oesterr. B. Wchnbl. 1855. p. 179.)* Lamina fol. lobato-hastata, basi apertissime sinuata, lobo antico late obverse-oblongo, (infra medium leviter contracto), apice arcuatim subsensimque in cuspidem vix longulam angustato, lobis basilaribus fere horizontalibus l. parum retrospectantibus, oblongis, exitum versus leviter sursum curvis ibique rotundatis, triplo quadruplove brevioribus, linea $^1/_4$ ellipseos cum antico lobo confluentibus. Costa apice deliquescens. Vena utrinque solitaria, basi-

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laris, costis loborum posticorum tenuibus, deliquescentibus approximata, tenuissima. — Caracas. Reichenbach fil. — *v. fol. lamina sicca.*

### Grex 18. **Doratophyllum.** *S.*

Scandens. Petiolus crassulus, laevis. Lamina hastata, costis posticis in adultis basi denudatis, venis crassiusculis, lobi antici utrinque 3-5, venastris alternis totidem. Pedunculi solitarii. Spadix tandem spatham superans.

105. **inops.** *S. (Oest. B. Zeitschr. 1859. p. 99.)* Lamina fol. petiolo longior? subhastata, l. inferne cordata, 3 pollices et ultra ibi lata, repentino jam infra medium lobi antici angustata in sesquipollicarem latitudinem, apicem versus deinde levissime minuens et summo apice subrepentino contracta in cuspidem angusto-lanceolatam longulam; lobis posticis semi-ellipticis exitu rotundate-obtusissimis, subextrorsum versis. Costa crassiuscula utrinque venis 5 donata, inferioribus patentissimis, superioribus patentibus. Costae posticae inferne in sinu late-aperto vix ac ne vix denudatae. Spatha tripollicaris et ultra, apice longe-tenuiterque cuspidata. Spadix vix ad medium ovariis, paucissimisque staminodiis tectus, reliqua parte antherifer. — Brasiliae prov. Rio de Janeiro. Riedel. — *v. s. in herb. hort. bot. Petropol.*

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106. **hastatum.** C. Koch. *(App. 1854. 55. p. 7.)* Petiolus antice deplanatus costae longitudine l. brevior. Lamina hastato-oblonga, longe-cuspidata, basi aperte-sinuata, lobis posticis divaricatis oblongis, obliquatis, exitu rotundatis l. subacutatis. Costae posticae angulo acuto a se invicem distantes, latere exteriore, (anticum lobum versus) 2-3-venosae, interiore ex angustissima diachymatis portione exstructo, bivenosae, venis costula sub parallelis. Venae lobi antici 3-6, patentibus, arcuatis, supra sulco immersis, venastris alternantibus comitatae, venulis saepe interrupte- et serpentino-perspicuis. Spatha brevis, ($3^1/_2$ poll.), tubo ventricoso, oblique sphaerico-ovoideo, utrinque flavo-virente, lamina tubo paulo longiore, breviter-apiculata, flavide-albente. Spadix spatham demum paulo superans, parte mascula geniculato-procurva, inferne ad $^1/_4$-$^1/_3$ longitudinis ovariis obsessus. Ovaria sub-9-locularia, loculamentis 4-6-ovulatis. Staminodia annulum brevem, ovaria superantem formantia. Mascula pars tota spadicis flavida. — Brasilia? — *v. v. et sic. cum.*

*Synon.* Ph. hastaefolium. Regel. (Garten flora 1856. t. 159.).

107. **megalophyllum.** *S.* Petiolus longus. Lamina fol. elongato-hastato-sagittata, sensim angustata, a petioli insertione ad apicem 22-24 pollices longa, ab exitu loborum ad apicem 30-pollicaris et ultra, a lobi margine exti-

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mo ad alterius lobi marginem extimum 16 pollices lata, lobis posticis late oblongis, exitu rotundatis, subextrorsis, sinu lato valde-profundo, subparabolico distantibus, latere interiore subrepentino et e latiusculo in costas posticas ad $^1/_3$ longitudinem inferiorem contractis. Costae posticae exinde longe in sinu denudatae. Venae omnes crassae, lobi antici utrinque sub-13, patentissimae l. superiores patentes, loborum posticorum latere interiore sub-3, crassulae . . . . . — Peruvia. Lechler. — *v. s. fol. et spica masculae. (Herb. Hooker.)*

108. **deflexum.** Poepp. *(Herbar.)* Petiolus . . . . . Lamina fol. oblonga, brevissime cuspidulata, profunde sinu aperto l. valde aperto sagittato-hastata, a lobi exitu ad apicem 15-pollicaris, lobis magis retrorsis, a se invicem remotis, oblongis l. subtriangulare-oblongis, obliquatis, exitu rotundatis. Costa 12 pollices longa. Venae lobi antici 6-9, valde aperte-patentes, venastris totidem alternis. — Peruvia. Poeppig. — *v. s. fol. in herb. Poeppigiano.*

109. **curvilobum.** *S. (Synops. I. p. 102. 156.)* Petiolus supra deplanatus, costae longitudine l. brevior. Lamina oblonga, longe-cuspidata, leviter-, sinu valde aperto profundiusculo hastata, lobis posticis divaricatis oblongis, apice rotundate-obtusis, subsursum exitu curvatis. Venae lobi antici 3-4 utrinque, patentes, supra sulco immersis, venastris

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tenuibus alternantibus. Pedunculus $^1/_3$ petioli. Spatha $3^1/_2$ pollices longa, tubo ventricoso, extus viridi, intus albido, lamina tubo paulo longior, utrinque albida, apice brevissime-apiculata. Spadix ad $^1/_3$ femineus, annulo angusto staminodiorum, parte mascula albida, procurva, apice attenuata. Ovaria sub-9-locularia, loculamentis sub-6-ovulatis. Staminodia inferiora ovaria paululum superantia. — Brasilia. — *v. v. cult.*

110. **modestum**. *S. (Oestr. B. Wochbl. 1855. p. 289.)* Petiolus antice deplanatus, costam aequans l. superans. Lamina fol. triangulare-oblonga, brevissime-cuspidulata, leviter-, sinu aperto, hastato-sagittata, lobis posticis subextrorsis distantibus, oblongis, rectiusculis, retrospectantibus, obtusissimis. Venae lobi antici 5—7-, patentes, supra sulco immersae, venastris totidem. Spatha brevis, tripollicaris, tubo ventricoso, sesquipollicari, extus viridi, intus ut lamina cymbiformis utrinque ex albo flavo-virente, striolis interruptis flavido-fulvis, (ut reliquae species), notato. Spadix digitiformis, ad $^1/_3$ femineus, parte mascula procurva, pallide-flavens. Staminodia ovaria 7—10 locularia, loculamentis sub-4-ovulatis, superantia. — Venezuela. (S.) — *v. v. cult.*

111. **angustatum**. *S. (Synops. I. p. 103. 1856.)* Petiolus . . . . . Lamina fol. lanceolato-oblonga, acuminata, basi sinu subaperto cordato-sagittata, lobis posticis distantiu-

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sculis, semiellipticis, rotundatis. Venae lobi antici sub-9, patentes, intra marginem in pseudoneurum pluries arcuatum anastomosantes. —

*Obsv.* Plum. Amer. t. (51) et 54 a C. Kch. ad Ph. hastatum adducitur! — Vix vero Philodendri generis est, ob pseudoneurum. Forte ad Syngonium pertinet?

VI. Lamina folii varie incisa l. partita. Stipulae subopositae.

Grex 19. **Schizophyllum.** *S.*

Scandens. Petiolus laevis l. squamosus. Lamina fol. sublobato-excisa, l. lobato-incisa, lobis laciniis l. segmentis, infimis oppositis penniveniis, costula basi in sinu denudata, exceptis, e costa longitudinaliter subparallele-pluriveniis, (deficiente vena mediana). Pedunculi plures ex eadem axilla.

112. **panduraeforme** Knth. *(En. III. p. 51. 1841.)* Petiolus laevis. Lamina coriacea oblonga, longiuscule cuspidulata, basi rotundata l. sub- ac vix cordata, ad secundum longitudinis inferiorem quadrantem profunde panduraeforme contracta, deinde sensim dilatata et in superiore tertio quadrante cum infimo, prona parte truncato et lateraliter obtusato aequilata, sinubus excisuralibus $^1/_4$ laminae latitudinis metientibus. Costa crassa. Venae irregulariter-exsertae, (uno latere 6,

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altero sub-10), in parte contracta distantiores, omnes sursum curvatae, tenues. — Ad Orinocum. Humb. — *v. fol. lam. siccam. in Herb. Willd.*

113. **latilobum**. *S. (Synops. I. p. 104. 1841.)* Petiolus . . . . . Lamina fol. coriacea, triloba, (17 pollices longa, ad lobos 16 pollices lata), acuta, basi rotundata l. repando-truncata, lobis lateralibus latis, lateraliter valde prominentibus, sursum subfalcatis, obtusis, sub-6-veniis, $^1/_3$ costae occupantibus, sinubus excisuralibus profundis, lanceolato-triangularibus, lobo terminali elliptico, angustiore, (8—9 polliceslato), quoque 6-venio. Costa crassa. Venae omnes validae, venastris alternantibus comitatae, aperte-patentes, inferiores magis approximatae, lobi antici remotiores. — Peruvia. Poeppig. — *v. fol. sicc. in Herb. Poepp.*

114. **bipennifolium**. *S. (Oestr. B. Wochbl. 1855. p. 489.)* Petiolus teres, laevis, costa et duplo longior. Lamina fol. subcoriacea, hastato-tri-quinque-loba potius 3—5-lobe- l. partite-bipenniformis, partitionibus l. lobis basilaribus sinu petiolari profundo aperto (costula basi in sinu denudata) divaricatis, in quinquelobis oblique oblongo-lanceolatis l. lanceolato-oblongis, obtusis l. obtusissimis, extrorsum versis, reliqua 2 lateralia latiora, antice truncata, protensione superantibus, in trilobis (juvenculae) lateraliter et antice truncatis saepeque in margine le-

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viter- l. profundius-sinuatis, partitione l. lobo terminali angusta elliptico-oblonga, cuspidata. Costa crassula. Venae subirregulariter distributae, patentes venastris comitatae. Pedunculi breves 2—3 ex una axilla. Spatha fere semper convoluta, sordide-flavescenti-alba. Spadix cylindroideus, ad medium ovariis sub-7-locularibus obsitus, parte mascula loco staminum, acervulis vesicularum elongatarum, minutissimarum, uno latere dehiscentium onusta. — Brasilia. (S.) — *v. v. cult.*

115. **squamiferum**. Poepp. *(Nov. Gen. et sp. III. p. 87. 1845.)* — Rami laeves. Petioli terètes, costae fere longitudine, paleis patulis integris l. palmatifidis dense- ut stipulae dorso, vestiti. Lamina fol. 5-loba l. 5-partita, pergamena, basi repando-sinuata, costis posticis cum antica inferne sparse-squamuligeris, basi in sinu petiolari profundo, anguste-parabolico, denudatis, lobis basilaribus divergentibus, irregulariter oblique ovalibus, acutiusculis l. obtusis brevibus l. longis, saepe lobulo l. dente uno alterove auctis, penniveniis; mediis quam infimi longioribus, subfalcato-oblongis, obtuse-acutatis, sub-4-veniis; lobo terminali rhombeo-elliptico omnium latissimo, acuminato, venis sub-8 pennivenio. Pedunculus elongatus rubicundus, squamiger. Spatha 3-pollicaris, tubo ventricoso utrinque rubro-purpureo, extus laevi, lamina cucullatim pro-

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curva, tubo breviore, cuspidulata, ex albo-flavo-virente et dorso rubro-purpurea picta, intus pallide albido-flava. Spadix e spatha valde procurvus, ad $^1/_3$ ovariis pallidis obsitus, annulo staminodiorum medio intumescenti praeditus, apice clavato-cylindricus, exitu attenuatus, pallidus. Ovaria 6-9-locularia, loculamentis 2—4-ovulatis. Fructus cylindrico-clavatus e baccis minutis roseo-purpurascentibus, 6—9-locularibus, loculamentis 1-3-spermis. Semina oblongo-ellipsoidea, apice contractiuscula, obtusula, primum laevigata tandem sulcato-striata, rubro-purpurea. — Brasilia bor. Poepp., Guiana Perotet. — *v. v. et s.*

*Synon.* Ph. crinipes. C. Koch.

116. **pedatum** Knth. *(En. III. p. 49. — 1841.)* Petiolus teres l. semiteres, laevis, costam et duplo superans. Lamina tripartita, pergamena, basi leviter- l. profunde-, sinu angusto l. aperto, cordata; partitionibus posticis costis divergentibus, basi latere interiore longule-denudatis praeditis, irregulariter acute- l. obtuse- laciniato-incisis l. pinnatisectis, venis (ut omnes) supra sulcis immersis; partitione intermedia (antica) contigue-confluens, ambitu late-triangulari, basi breviter-cuneata, irregulariter-laciniata l. pinnatisecta, laciniis l. segmentis plus minusve lanceolatis, subacuminatis, excisuris l. sinubus plerumque anguste-triangularibus, plus minusve profundis interstinctis, 2—3-ve-

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niis, lobo terminali lanceolato, oblongo elliptico l. trapezoideo. Pedunculi 3—4 ex eadem axilla. Spathae tubus extus viridis, intus rubro-purpureus, lamina intus sordide-alba. Spadix ad medium fere usque ovariis 7—9-locularibus, obsitus. — Brasilia. S. Riedel, Demerara Parker, Peruvia? Poeppig. — *v. v. et s.*

*Synon.* Ph. laciniosum *S.* Melet.

Grex 20. **Tritomophyllum.** *S.*

Scandens. Petiolus laevis. Lamina fol. tripartita, partitionibus integerrimis, posticis subhorizontaliter- l. aperte-patentibus, basi in sinu petiolari denudate costatis. Pedunculi solitarii.

117. **micranthum** Poepp. *(Herbar.)* Petiolus teres, costa et duplo longior. Lamina fol. basi leviter- sinu valde-aperto l. apertissimo cordata l. et subtruncata, partitionibus omnibus oblongis, cuspidato-acuminatis, basi angustatis, aveniis, venulis tenuissimis tantum percursis, lateralibus divergentibus angustioribus. — Brasilia. Poeppig. — *v. folia s. in Herb. Poepp.*

118. **tripartitum.** *S. (Melet. I. p. 19. — 1832.)* — Petiolus teres, costa longior. Lamina fol. basi leviter-, sinu aperto l. apertissimo cordata l. subtruncata, partitionibus oblongis, cuspidato-acuminatis, basi angustatis, semper (sulcis immerse-) penniveniis, lateralibus, interdum angustioribus, venis vix ad-

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mediam costam exsertis, latere interiore 2, exteriore 3. Spathae tubo intus excepto fundo purpurascente, viridi-flavente, lamina sulphurea. Spadix ad medium circiter ovariis 7-11-locularibus, in loculamentis 1-2-ovulatis obsitus. — Caracas. Jacq. *vid. v. cultum.*

119. **Holtonianum** *S. (Bonpl. VII. p. 29. 1859.)* — Petiolus costa longior. Lamina fol. basi vix sinuata, partitionibus latiuscule-plicatim-confluentibus, media elongate-elliptica, apice sensim linea arcuata acutata, venis appositis ter remote superpositis instructa, lateralibus oblique obverse-oblongis, sursum curvatis, obliquato-obtusis, subinaequilateris, latere superiore basin versus leviter angustatis, venis subbinis remotis ibi praeditis, latere inferiore e medio apicem versus leviter-angustatis, basin versus vero gradatim latitudinem minuentibus, costas basi nudas relinquentibus, unicam interdum venam apicem versus exserentes, costam bifurcatim terminatam quasi construentem. Spatha . . . . . Spadix ad medium femineus, Baccae minutissimae, sub-5-loculares, loculamentis monospermis. — Nova-Granata. Holton. — *v. s. in Herb. Hooker.*

120. **Dagilla.** *S. (Oestr. Bot. Zeitschr. 1858. p. 179.)* — Petiolus costa longior. Lamina fol. basi levissime sinuata, partitionibus minute-plicatim confluentibus, media oblongo-lanceolata, venis alternis atrinque sub-6, late-

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ralibus oblongo-lanceolatis, acuminatis, sursum curvatis, inaequilateris, latere superiore basin versus leviter-angustatis, venis subternis remotis ibi praeditis, latere inferiore e medio apicem versus leviter-angustatis, basin versus vero subrepentino contractis, costis imo nudis, venas sub-4, remotas secus totam longitudinem exserentibus. Spatha 5 pollices longa, tubo $1^3/_4$-pollicari. Fructus pedunculo longo insidens, clavato-obovoideus, e baccis minutis coccineis. — Amer. centr. Oersted. — *v. s. f. et spatham sicut et fruct. pict. in Herbar. Oerst.*

121. **anisotomum**. *S. (Bot. Ztschr. 1858. p. 179.)* Petiolus costa longior. Lamina fol. basi leviter-, sed ample-sinuate-cordata, partitionibus subplicatim confluentibus, media late-elliptica, apice longe-cuspidata l. cuspidulata, venis utrinque sub-4, tenuissimis; lateralibus oblique-lanceolatis, sursum curvatis, obtusulis l. acutiusculis, valde-inaequilateris, latere interiore l. superiore angusto, basin apicemque versus leviter-angustato, venis subbinis tenuissimis instructo, inferiore a primo triente basilari apicem versus sensim-, petiolum versus subrepentino-angustato, costa imo longule denudata, venas 3—4 tenues exserente. — Guatimala Wendland. — Mexico Liebmann. — *vid. s. folia in Herbar. Wendland. et Liebmann.*

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Grex 21. **Polytomium.** *S.*

Caudex brevis l. scandens. Petiolus laevis. Lamina fol. in adultis ad basin cordata, pluries-incisa, multilaciniata, pinnatifida l. bipinnatifide-secta, segmentis infimis principalibus in sinu petiolari costa postica imo plus minusve denudata instructis. Venae in laciniis l. segmentis medianae, solitariae, luci expositae densissime interrupte-striolatae. Venulae remotae. Venastra nulla. Pedunculi vix solitarii. Antherae breves crassae. Stigmata hemisphaerica.

* Caudex scandens. Petiolus teres. Costae et venae suboppositae convexae, in sinu petiolari parum l. vix denudatae. Vaginae stipulares suboppositae.

122. **subincisum** *S. (Oestr. Bot. Zeitschr. 1859. p. 99.)* — Petiolus costa longior. Lamina fol. ex sagittato cordato-ovata, inferne profunde- fere parabolice-sinuata, lobis latis, ambitu rotundatis ut margo inferior lobi antici, excepto sinu, repando-sinuato- l. lobulato- incisis, lobulis latiusculis rotundatis l. obtusissimis sursum versis, sinubus levibus rotundatis, apertissimis, raro profundioribus acutiusculis; lobi antici pars a medio apicem versus prolongata inferne margine magis repando, superne integerrimo instructa sensim triangulariter in acumen cuspidatum producta. Costae posticae e venis

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inferne longo spatio connexis. Venae patentissimae, crassiusculae, lobi antici utrinque 5. — Mexico. Karwinsky. — *v. fol. s. in Herb. Hort. Bot. Petropol.*

123. **lacerum**. *S. (Melet. I. p. 19. — 1832.)* Petiolus costa longior. Lamina fol. ex cordato-ovata, inferne profunde- et aperte-sinuata, lobis latis, ambitu rotundatis, sinuato-lobulatis, lobulis late semilanceolatis (in adultis) l. semiovatis (in junioribus), rotundatis, obtusis l. acutatis, lobi antici mediis omnium longissimis radiantibus, subsursum versis, sinubus apertis triangularibus distinctis, supremo lato abbreviato, obtuso cuspidulato l. semiovato prolongato cuspidato. Costae posticae e venis inferne breviter-connexis. Venae patentissimae, crassiusculae, lobi antici utrinque plerumque 3, raro 4. Inflorescentiae sub-3 ex eadem axilla. Pedunculus longulus. Spathae tubus intus purpurascens, elevato-striatus, lamina sulphurea. Spadix cylindroideus, vix ad medium ovariis 7-9-locularibus obsitus. — Caracas. Jacquin. — *v. v. et s.*

*Observ.* Lamina fol. in pagina superiore pellucide lente observata, striolis (rhaphidibus?) longulis notata.

124. **inciso-crenatum** Knth. *(En. III. p. 49. — 1841.)* — Peliolus costa longior. Lamina fol. cordato-ovata, apice rotundato apiculata, basi profunde- sub-parabolice-sinuata, (lobis latis, ambitu rotundatis), margine lo-

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bulato-incisis l. lobulatis, lobulis semiovatis l. semioblongis obtusis l. obtusissimis, omnibus procurvulis. Costae posticae e venis basi breviter-connexis. Venae patentissimae, crassulae, lobi antici utrinque 3-sub-4. — Hab. . . . ? *v. s. f. in Herb. Gen. Berol.*

*Observ.* Lamina fol. in pagina superiore transparenter observata cum lente, striolas minutissimas brevissimas magis punctiformes ostendit.

125. **albo-vaginatum**. C. Kch. *(App. 1853/54. p. 3.)* — Petiolus costa longior. Lamina fol. cordato-ovata, apice quadrato-obtusata et abrupte longe-cuspidata, basi profunde-apertissime-sinuata, margine pinnatifida, laciniis (11-13) lanceolatis, ad apicem obtusum incurvis. Costae posticae e venis longule inferne connexis. Venae patentissimae, crassulae. — Hab . . . ? — *v. f. s. ex Horto Bot. Berol. missa.*

126. **impolitum**. *S.* Petiolus teres, lamina multo longior. Lamina fol. ambitu late-rotundate-ovata, basi sinu, in juvencula, aperto, in adulta magis clauso, parabolico, margine pinnatipartita, partitionibus (15-17), lateralibus arcte-contiguis, subincumbentibus, subrepando-undulato-inaequatis, rectiusculis, lanceolatis, sensim-angustatis, acuminatis, (inferioribus lobi antici dente obtuso l. obsoleto medio utrinque auctis), apicali proximis unita et cum illis e basi cuneata

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triloba l. tripartita, lobis lateralibus plus minusve solutis, brevibus l. longioribus, obtusioribus l. acutioribus, terminali semper lateralia longe superante, plus minusve prolongato, acuminato l. cuspidate-acuminato. Costae posticae e venis basi breviter-connexis. Venae aperte-patentes, praeter venas interlobares, antrorsum utrinque 4. — Amer. centr. Wendland. — *v. v. cult.*

*Observ.* Rhaphides in pagina superiore tenuissime et breviuscule conspicuae.

127. **radiatum**. *S. (Oestr. Bot. Wochenbl. III. p. 378. 1853.)* — Petiolus lamina multo longior. Lamina fol. ambitu ovata, basi sinu, in juvencula subaperto, in florifera obtecto-cordata, pinnatipartita, partitionibus (11—21) lateralibus distantiusculis, planis, aequatis, lanceolatis, sensim angustatis, acuminatis, acutiusculis, (inferioribus et mediis quandoque dente l. lacinula brevi, in medio latere superiore auctis), terminali proximis unita et cum iis e basi cuneata, triloba, lobis lateralibus acutatis, apicali lanceolato-cuspidulata, longe ultra producta. Costa e venis inferne longule connexis. Venae exceptis interlobariis in parte antica laminae utrinque 4. Pedunculus proportione brevis. Spatha profundo-cymbiformis, breviter-apiculata, tubo ovoideo, intus lacte-purpureo, extus ex viridi et purpureo-livescente, lamina intus alba, profuso purpura tubi dorso picta, extus dorso viridi margines

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versus flavente, densissime interrupte- ac brevissime striolata lineolis atro-viridibus. Spadix parte mascula reliqua parte longiore, tereti-conoidea, procurva, parte feminea crassula, annulo staminodiorum paululo prominentium superposita. Ovaria pallide-virentia 8-10-locularia loculamentis sub-4-ovulatis, stigmate roseo. Staminodia antheras longitudine superantia. — Mexico australis. S. — *v. v. cult.*

*Obs.* Pagina superior laminae folii rhaphidibus tenuissimis brevissimis dense notata.

128. **polytomum.** *S. (Bonpl. 1859. p. 164.)* Petiolus . . . . . Lamina fol. ambitu rotundata, sagittato-cordato-pinnatipartita, l. subbipinnatisecta, lobis l. partitionibus posticis fere palmatifidis l. palmatipartitis, sinu petiolari profundo obtecto divisis, lobulo l. lacinula fere utrinque auctis; segmentis partitionis intermediae distantiusculis elongato lineari-lanceolatis longe-sensimque acuminatis, infra apicem utrinque lobulo l. lacinula saepe obtusa l. obsoleta praeditis, terminali lanceolato parum vicinas superante. Costae posticae in sinu petiolari longule denudatae. Venae l. costula segmentorum aperte-patentes, mediae alternantes. — Mexico, Colipa. Liebmann. — *v. fol. laminam in Herb. Liebmannii.*

*Obs.* Costa 20-21-pollicaris, lobi postici 12-13 pollices longi, tota lamina ab exi-

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tu lobi postici ad apicem lobi antici 30-32-pollicaris.

129. **Augustinum.** C. Kch. *(App. 1853/54. p. 4.)* — Petiolus lamina longior, saepe rubescens, fere semper maculis oblongis minutis, punctiformibus sordide-purpureis, sicut et costa et venae, immo interdum tota pagina dorsalis laminae, conspersus. Lamina fol. ambitu rotundata, ex cordato-sagittato pinnati- l. subbipinnatisecta, basi sinu profundo, late-aperto in fundo truncato instructa, segmentis posticis venae interlobari proximis obsolete- l. subrepando-dentiferis, anticis (partitionis principalis) elongato-lanceolatis, longe-sensimque acuminatis, distantiusculis, subprocurvulis, sub apice l. utrinque-, l. latere superiore dente l. lacinula apicem (segmenti) petente auctis; terminali lanceolata l. vicina non superante illis aequilonga, l. breviore. Costae posticae e venis posticis saepe cum interlobariis imo connexis longule-junctis. Venae anticae utrinque 4-6. — Hab.? — *v. v. cult.*

*Obs.* Rhaphides in antica pagina laminae tenuissimae, breviusculae, creberrimae.

** Caudex scandens. Petiolus tricarinatus antice, (carina nempe tertia lateralibus interjecta). Costa et venae alternantes, convexae. Venastra hinc inde adventitia! Vaginae stipulares cum petiolis alternantes!

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130. **Warszewiczii.** C. Koch. *(App. 1855. p. 4.)* Petiolus lamina longior. Lamina fol. ambitu triangulare-sagittata, bipinnatipartita l. secta, segmentis posticis principalibus sinu lato in fundo truncato profundo disjunctis, laciniis acutiusculis angustis longis longulisque bipinnatisectis, principali antico quoque bipinnatisecto, partialibus distantiusculis laciniate- l. repande confluentibus utrinque bi-tri-laciniatis, laciniis remotis, patentibus, terminali vicinis conformi illis vix longiore. — Guatimala. Wendland. — — *v. v. et s. fol. in Herb. Wendlandii.*

*** Caudex abbreviatus, contractus. Petiolus semiteres biacietatus. Costa et venae alternae canaliculatae vaginae stipulares suboppositae.

131. **pinnatifidum.** Kunth. *(En. III. p. 50. 1841.* — Petiolus costa longior. Lamina fol. ambitu triangulare-ovata, pinnatifida l. pinnatisecta, lobis posticis sensim in anticum principalem transeuntibus, haud manifeste distinctis, sinu lato saepe amplissimo divisis, segmentis omnibus approximatis, inferioribus brevioribus, mediis (lobi antici principalis) lanceolato-linearibus l. linguiformibus, margine saepe repandis, apice obtusulis, supremis brevibus cum terminali breviter apiculato-cuspidulato aequiproductis. Costae posticae longe-, saepe longissime-denudatae. Venae praeter interlobares utrinque 6,

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aperte-patentes. Pedunculus brevis. Spathae tubus ovoideus, parum ventricosus, crassus, extus rubro-purpureus l. flavo-virens, intus albens; lamina late-cymbiformis, extus virens, intus alba. Spadicis mascula pars conoideo-clavata quam feminea plus duplo longior. Ovaria purpurantia l. flaventia, 4-6-locularia. Staminodia ovaria paulo superantia. Fructus spatha basi disrumpens, spicam oblongam, crassam sordide-flavam baccarum relinquens. Baccae 5-8-loculares, loculamentis 3-4-spermis. Semen ovoideo-ellipsoideum, tandem exsiccatione striolatum. — Caracas. Jacquin. — *v. v. cultum.*

132. **pinnatisectum.** *S. (Synops. I. p. 110. 1856.)* — Petiolus costa longior. Lamina fol. ovata pinnatisecta, lobis posticis haud distinctis sed sensim in anticum principalem transgredientibus, sinu lato divisis; segmentis omnibus distantiusculis, curvulis, infimis brevibus, mediis lineari-lingulatis, margine vix repandis, apice obtusis, supremis inaequalibus, intermedio longe-producto, longe-angusteque cuspidato. Pedunculus brevis. Spathae tubus breviter-ovoideus ventricosulus, extus viridis, intus sulphureo-albidus, lamina ovato-cymbiformis, extus flavo-virescens, intus pallide-sulphurea. Spadicis pars mascula tereti-conoidea, apice attenuata, sordide-alba, quam feminea triplo longior. Ovaria virentia, 4-6-locularia, loculamentis pluriovulatis. Staminodia ova-

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ria paulo superantia. — Venezuela. S. — *v. v. cultum.*

Grex 22. **Sphincterostigma.** *S.*

Caudex elatus firmus. Petiolus laevis, antice deplanatus, biacietatus. Lamina fol. in adultis ad basin cordato-sagittata, pluries- l. bipinnatisecta, segmentis infimis principalibus in sinu petiolari costa postica longe-denudata instructis. Venae in segmentis solitariae, luci expositae continuo-striatae, ut costa in pagina superiore planiusculae. Venulae densissimae. Venastra nulla. Pedunculi solitarii. Anthera valde tenues, elongatae. Stigmata sphincteriformia.

133. **bipinnatifidum.** *S. (Melet. p. 20. 1832.)* — Caudex simplex, strictus, orgyalis, densecicatrisatus. Petiolus lamina longior, hebetato-acietatus. Lamina stirpis florentis ambitu ex ovato cordato-sagittata, sinu basilari aperto, profundo, bipinnatipartita, partitionibus l. segmentis omnibus angustis, tenuibus, gracilibus, e costa exortis utrinque bi-tri-laciniatis, (laciniis obtusulis, mediis omnium longissimis acutiusculis), partitione terminali 3-5-loba, lobo medio ovato-lanceolato acutato, producto, lateralibus brevibus, obtusulis. Spatha crassa, breviter-pedunculata, breviter-apiculata, tubo vix distincto hians, externe purpurea, intus albida. Spadix spatha paululo brevior, parte fe-

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minea dimidia spathae dorso accreta, neutriflora ovaria valde excedente, quam illa longiore, antherifera femineam parum superante, quam neutriflora breviore. Ovaria cylindroidea, 9-10-locularia, loculamentis 5-6-ovulatis. Staminodia lineari-cuneiformia, tenuia, in catervas irregulares conglutinata. Antherae tenuissimae. Fructus spatha a basi disrumpens, spicam baccarum lutearum, Maydis forma relinquens, oblique ovoideo-oblongam. Baccae cylindroideae, 7-10-loculares, loculamentis 5-6-spermis, seminibus quasi superpositis. Semina oblonge-ovoidea, pallida. — Brasilia. S. — *v. v. spontan. et cultum.*

134. **Selloum**. C. Kch. *(App. 1853/54. p. 4.)* — Caudex abbreviatus? Petiolus costa longior, acuate-acietatus. Lamina fol. ambitu ex ovato cordato-sagittata, sinu basilari aperto, profundo, bibinnatipartita l. bipinnatisecta, segmentis omnibus latiusculis, subcoriaceis, grossis, e costa exortis utrinque 1-2-3-4-laciniatis, (laciniis rotundate-obtusatis, mediis omnium longissimis), partitione terminali 3 loba, lobo medio lineari-lanceolato, acutato, cuspidulato, vix ultra vicinos obtusos prolongato. Spatha crassa, breviter-pedunculata, cuspidulata, tubo vix distincto . . . . . Spadix spica feminea, quarta parte suprema excepta, spathae dorso accretus, . . . . . — Brasilia, Insula St. Catharina? — *v. v. cult. s. flor.*

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135. **Adamantinum.** Martius. *(in Herbario.)* — Caudex pollicis crassitie, subsimplex, cicatricibus ellipticis transversalibus notatus. Petiolus 5-6-pollicaris, costa longior. Lamina fol. ambitu rotundate-cordato-sagittata, pinnatisecta, coriacea? segmentis linearibus, haud latis obtusis, infimis (loborum posticorum) subtrilobis, supremo terminali vicinis multo breviore, apice rotundato, brevissime apiculato. Venae et venulae omnes subtus exalbidae. — Brasilia. Martius. — *v. f. sicca in Herb. Monacense, reliqua e notis Martii.*

Excludenda.

**Ph. arboreum.** Knth. = Montrichard. arborea. *S.*

— **callaefolium.** Hort. = Ph. Imbé. *S.*

— **crinipes.** C. Kch. = Ph. squamifer. Poepp.

— **cuspidatum.** C. Kch. pro parte. = Ph. Oxycard. *S.*

— **eximium.** C. Kch. = Ph. eximium. *S.*

— **fragrantissimum.** C. Kch. = Ph. linguaef. C. Kch.

— **hastaefolium.** Regel. = Ph. hastatum. C. Kch.

— **hederaceum.** Knth. pr. part. = Ph. Jacquini *S.*

— **laciniosum.** *(S. Melet.)* = Ph. pedatum. Knth.

— **latipes.** C. Kch. = Ph. fragrantiss. Knth.

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**Ph. luridum.** Knth. = Asterostigma sp.
— **macrophyllum.** C. Kch. = Ph. cardiophyll. C. Kch.
— **microphyllum.** C. Kch. = Ph. micans var.
— **nigrum.** Knth. = Xanthosom. sp.
— **peregrinum.** Knth. = Colocasia peregrina. *S.*
— **pertusum.** Knth. = Tornelia fragrans. Gutt.
— **pinnatif. β. viresc.** C. Kch. = Ph. pinnatisect. *S.*
— **planinervium.** C. Kch. = Ph. crassinerv. Lindl.
— **punctatum.** Knth. = Alocasia Indica var. *S.*
— **Riedelian.** Hort. = Syng. Riedelian. *S.*
— **Saueranum.** C. Kch. = Ph. eximium. *S.*
— **Sellowianum.** Knth. = Ph. Imbé. *S.*
— **Sellowianum.** C. Kch. = latifolium. C. Kch.
— **striatipes.** Knth. = Acont. striatip. *S.*

**SUBTRIBUS ANAPORINAE.** Spadix staminodiifera spica manifesta destitutus. Antherae stipitatae, loculis connectivo brevioribus, rimula apicali in verticem usque aperientes. Ovaria 2-, abortu 1-locularia, libera, loculamento uniovulato. Ovula axifixa, brevissime-funiculata, anatropa. Semina anatropa exalbuminosa. Embryo macropodus.

**AGLAONEMA.** *S.* Spatha brevis, tubo indistincto, extoto hians, tandem a basi decidua? Spadix stipitatus. Ovaria pauca, ovulo basi fixo,

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subsessili, stigmate magno infundibuliformediscoideo. Antherae vertice 4-porosae, locellis basi sejunctis, apice conniventibus, poris tandem confluentibus aperientes. Bacca ellipsoidea. Semen ellipsoideum, germinatione admotiva.

Fruticesrecti. Caudex dense annulato-cicatrisatus. Petiolus brevis, vaginatus. Lamina fol. oblonga pinnativenia, costa supra canaliculata, venis in margine longe-procurrentibus, superioribus apicibus arcuatim conniventibus. Spadix odoratus. Fructus e baccis glomeratis.

1. **Haenkei**. *S. (Bonpl. VII. p. 30. 1859.)* Petiolus sub-10-pollicaris, ad medium vaginatus. Lamina fol. 6-12 pollices longa, 4-5 pollices lata, oblongo-elliptica, apice ex rotundato acuminata, basi rotundata, venis basi aperte-patentibus utrinque 6-12, totidemque venastris alternantibus. Pedunculus 6-pollicaris. Spatha semitertium pollicem longa, acuminata. Spadix spatha triente brevior, ovariis sub-15 obsessus, spica mascula cylindrica, elongata. — Manila. Presl. Cuming. — *v. s. spontan. in Herb. Benth.*

*Synon.* Scindapsus Haenkei. Presl.

2. **Hookerianum**. *S. (Bonpl. VII. p. 30. 1859.)* Petiolus 7-8-pollicaris, ad medium vaginatus. Lamina fol. 7-9 pollices longa, 3-4 pollices lata, oblongo-elliptica, apicem versus gradatim longe-acuminata, basi rotun-

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data l. potius subcuneato-rotundata, venis basi patentibus utrinque 6-10, totidemque venastris alternis. Pedunculus 3-5-pollicaris. Spatha . . . . . breviter-acuminata. Spadix . . . . . — Churra, prov. Ind. or. Hooker fil. — *v. s. in Herb. Hook. f.*

3. **Malaccense.** *S. (Bonpl. VII. p. 30. 1859.)* Petiolus $3^1/_2$-$4^1/_4$-pollicaris, ad medium vaginatus. Lamina fol. 8-10 pollices longa, $2^1/_2$-3 pollices lata, oblonga, apicem versus subsensim l. subrepentino angustata, subsensimque longule-cuspidata, basi obtusata l. subcuneata, venis inferne patentibus utrinque 6-12, totidemque venastris alternantibus. Pedunculus $2^1/_2$-3-pollicaris. Spatha . . . . . Spadix . . . . . — Malacca. Griffith. — *v. s. in Herb. Hook.*

4. **nitidum.** Knth. *(En. III. p. 76. 1841.)* — Petiolus 4-6-pollicaris, ad apicem fere vaginatus. Lamina fol. pedalis, $3^1/_2$ pollices lata, elongato-elliptica, basi apiceque subrepentino angustata, cuspidulo brevi terminata, venis patentibus sub-7 utrinque, venastris alternantibus. Pedunculi plures ex eadem axilla, breves l. longuli. Spatha vix tripollicaris, flavide-albens, breviter-apiculata. Spadix spatha vix brevior, digitiformis, inferne ovariis 3-4-cyclis obsitus, reliqua parte apice acutata dense masculus. Ovaria pallida stigmate luteo coronata. Bacca rubra. Semen irregulariter obconoideum. — Pulo-Penang. Wallich. — *v. v. et s. sp.*

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*Synon.* Calla nitida W. Jack. (Calc. Journal of Nat. Hist. IV. Nat. XIII. p. 12.
Agl. integrifolium. Hortor.
— princeps. Knth.

5. **oblongifolium** Knth. *(En. III. p. 55. 1841.)* — Petioli ultra medium vaginati. Lamina fol. 6-9 pollices longa, $2^1/_2$-3 pollices lata, oblonga, basi obtusata l. subcuneata, venis multis? notata. Pedunculi longuli. Spatha saturate-viridis. Spadicis spatha multo brevioris stipellus longus. — Moluccarum insulae. Roxburgh. — nondum visum!
6. **marantifolium** Blume. *(Rumphia I. p. 153. t. 66. 1835.)* — Petioli ultra medium vaginati. Lamina fol. 9-12 pollices longa, $2^1/_2$-3 pollices lata, aequilate-oblonga, basi rotundata, apice acute et breviter-cuspidulata, venis multis obsolete-striata. Pedunculi longiusculi. Spatha acuminata, flavovirens. Spadicis spatha brevioris stipellus longulus. — Amboina Blume. — nondum visum.
7. **Schottianum** Miq. *(Bot. Zeit. 1856. p. 565.)* — Petioli inferiores ad $^1/_4$-$^1/_3$-, superiores ad medium vaginati. Folii lamina e basi obtusa l. inaequali-rotundata, anguste suboblique-oblonga, abrupte-acuminata, venis numerosis, 6-8 pollices longa. Pedunculus brevis, gracilis. Spatha aperta ovoidea, breviter cuspidato-apiculata-flavo-virens. Spadix spatha paululo brevior, digiti-

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formis, subsesquipollicaris. Ovaria pallide-virentia, stigmatibus ex viridi flaventibus, vix profunde-excavatis coronata. — Java. Miquel. *v. v. et s.*

*Synon.* A. marantaefolium Zollinger.

8. **longecuspidatum**. *S.* Petioli 4—5 pollices longi, inferiores ad medium, superiores ultra medium vaginati. Lamina fol. elongate lanceolato-oblonga, basi plerumque rotundata et imo juxta petiolum brevissime cuneato, raro cuneata, margine leviter repando-undulata, apice in cuspidem praelongam, sensim angustatam producta, venis aperte-patentibus, sub-10. Spatha . . . . . pedunculo dimidium petiolum metiente suffulta. — Borneo Mottley. — *v. s. in Herb. Hooker.*

9. **commutatum**. *S. (Synops. p. 123. 1856.)* — Petioli fere ad apicem usque vaginati, $2^1/_2$-3-pollicares. Lamina fol. oblongo-lanceolata, basi obtusata, margine laxe-undulata, apice longe-acuminata, supra maculis albo-virentibus, remotis irregulariter-conspersa. Venae patentes l. erecto-patentes, utrinque sub-5, venastris 3-4 interjectis. Pedunculi longuli, graciles. Spatha magis lanceolato-oblonga, longe acuminata, extus albido-virens, intus magis albida. Spadix gracilis, spatha paulo brevior, stipite longulo, ovariis paucis subuniserialibus. Stigma pallide flavo-virens, profunde-excavatum. Bacca

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elliptica, rubra. Semen ellipticum. — Hab.? — *v. v. cultum.*

*Synon.* Agl. marantifolium. Hortor.

10. **simplex.** Blume. *(Rumphia I. p. 152. t. 65 et 36. D. — 1835.)* — Petiolus tripollicaris, ad apicem fere usque vaginatus. Lamina fol. oblongo-lanceolata l. lanceolato-oblonga, basi rotundata, margine vix undulata, apice sensim acuminata, 3-5 pollices longa, $1^1/_2$-2 pollices lata, venis erecto-patentibus sub-5, venastris comitatis. Pedunculus longus, firmus. Spatha aperta ovoidea, breviter subulato-apiculata, pedunculo paulo brevior, extus ex viridi flavescens, intus flavescenti-albida. Spadix crassulus, tandem fere spatha longior, ovariis plurimis stigmate flavo, profundo coronatis. Antherae pallidissime flaventes. — Java. Blume. — *v. v. cultum.*

11. **pictum.** Knth. *(En. III. p. 55. 1841.)* — Caudex tenuis. Petioli pollicares l. sesquipollicares, ima basi brevissime vaginati. Lamina fol. oblongo-ovata l. ovata, $2^1/_2$ pollices longa, vix ultra pollicem lata, basi obtusata l. rotundata, apice subrepentino acuminato-cuspidata, irregulariter maculis nebulosis picta, venis utrinque sub-4, venastris comitatis. Pedunculus petiolo longior. Spatha gibba, subovoidea, sesquipollicaris, acuminato-cuspidata. Spadix spatham tandem superans, parte mascula obconoideo-clavata. — Sumatra. Roxb. — *v. s. in Herb. Hooker.*

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Dubia.

12. **maculatum**. Blume. *(Rumphia I. p. 154. 1835.)* — Folia Rumicis, albide-maculata, spithamea, ima ad caudicem late-expansa. — Ins. Philipp. Blume. —
13. **subundulatum**. Zollinger. *(Syst. Verz. p. 76. 1854.)* — Spatha albida. — Celebes. Zollinger. —

Excludenda.

**Agl. Cuscuaria.** Miq. (Flor. Ind.) = Cuscuaria marantifolia. *S.*
— **Griffithi**. *S.* = Aglaodorum Griffithi. *S.*
— **integrifolium.** Hort. = Agl. nitid. Knth.
— **marantifolium.** Zolling. = Agl. Schottian. Miquel.
— **marantifolium.** Hort. = Agl. commutat. *S.*

**AGLAODORUM.** *S.* Spatha brevis, tubo indistincto. Spadix stipitatus. Ovaria pauca, ovulo axifixo, appenso, stigmate magno subinfundibuliforme-discoideo. Flosculi neutri, (an ovarodia?) ovariis inter-, et superpositi. Antherae loculi poris aperientes.

Acaulis. Petioli et pedunculi longissimi, crassi.

1. **Griffithi**. *S. (Gen. Aroid. 58. 1858.)* — Petioli basi vaginantes. Lamina fol. anguste lanceolata l. lanceolato-oblonga, basi apiceque angustata, acuta. Costa lata, supra plana, venis utrinque 5-6, subindistinctis. Spa-

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dix brevis. — Malacca. Griffith. — *v. s. in Herb. Hooker.*

**SUBTRIBUS HOMALOMENINAE.** *S.* Spadix staminodiifera spica media manifesta raro instructus. Antherae stipitatae, *loculis connectivo manifeste* brevioribus, rimula apicali subvertice aperientibus. Ovaria plurilocularia, libera, loculamentis pluriovulatis. Ovarodia ovariis permixta, (subregulariter). *Ovula axifixa, longe-funiculata*, vaga, (anatropa et orthotropa *in eadem* cavitate.) Semina albuminosa. Embryo axilis.

Suffruticuli. Petiolus vaginatus. Lamina fol. cordata, ovata, lanceolata. Pedunculi breves, plures ex una axilla. *Spatha plerumque* hians.

**ZANTEDESCHIA.** Sprengel. Spatha longa, plana, in helicem voluta, persistens. Spadix oblongus, totus tectus, inferne flosculis mixtis, ad *apicem masculis.* Filamenta brevia sparsa. Stigma concavum. Bacca triloba, trilocularis polysperma.

1. **occulta.** Sprengel. Folia cordato-ovata, longe-petiolata. — Cochinchina. Loureiro. *Synon.* Homalomena occulta. *S.* Melet.

Species exclusae.

**Z. aethiopica.** Spreng. = Richardia africana. Knth.

— **alba.** C. Kch. = Homalom. alba. Hassk.

— **aromatica.** Spr. = Homal. arom. Knth.

— **asperata.** C. Kch. = Philodendr. asperatum. Hortor.

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**Z. calyptrata.** C. Kch. = Schismatoglottis calyptrata. Zolling.

— **cordata.** C. Kch. = Homalom. cord. Knth.

— **foetida.** C. Kch. = Homalom. cordata. Knth.

— **rubens.** C. Kch. = Homal. rubescens. Knth.

— **virosa.** C. Kch. = Colocas. vir. Knth.

**HOMALOMENA.** *S.* Spatha brevis, tubo indistincto, ex toto hians, tandem reclusa persistens. Spadix stipitatus, inferne alternatim pistillis et pistillodiis stipitato-capitatis regulariter-obsitus, superne flosculis ex antheris 3-4, sub vertice aperientibus dorso appositis formatis tectus, staminodiis plerumque nullis. Ovarium 3-4-loculare, loculamentis multiovulatis, ovulis 4-serialibus, longe-funiculatis.

Petioli inferne vaginati, longi, apice teretiusculi, subsulcati. Lamina fol. plus minusve cordata l. sagittato-cordata, costa supra planiuscula, venis apice sursum arcuatis crassulis. Pedunculi spatha multo longiores, plures ex una axilla.

1. **Wendlandii.** *S.* Petiolus ad $^1/_3$ vaginatus, teres, dense-puberulus, inferne ultra medium rubescens, apice virescens. Lamina fol. sagittata l. cordato-sagittata rubro-marginato-limbata basi lobis sat longis ovatis obtusis l. triangulare oblongis subacutatis sinu profundo angusto l. apertissimo divisis,

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*imo* peltatim confluentibus instructa, apice subsensim l. *sensim-angustata*, acutata l. longule-cuspidata, supra laevis, atroviridis, nitida, infra dense-puberula, ex glauco pallida. Costa supra tenuis ex glauco pallida, infra crassula. Venae (lobi antici, exceptis interlobariis), utrinque 5, aperte-patentes, rectiusculae, apice in pseudoneurum margini maxime approximatum insertae, venastris comitatae, supra sulcis immersae, subtus prominulae. Spadix $^1/_5$ femineus. Ovaria 4-locularia. — Amer. centr. Wendland. — *v. v. cultam.*

2. **aromatica.** *S. (Melet. I. p. 20. 1832.)* — Folii lamina cordata l. cordato-sagittata, apicem versus sensim *angustata*, acuminata, lobis posticis rotundatis, sinu haud profundo divaricatis. Spatha pallide viridi-flavescens. Spadix triente ovariis obsitus, tandem spatham *superans*. — Chittagong. Roxb. — *v. s. in Herb. Hooker.*

*Synon.* Zantedeschia aromatica. C. Koch. (App. 1854.)

3. **cordata.** *S. (Melet. I. p. 20. 1832.)* — Folii lamina profunde-cordata, sensim acuminato-cuspidata, lobis posticis sinu fundo rotundato remotis. — Patria?

Zantedeschia cordata. C. Koch.

? Zantedeschia foetida. C. Koch.

4. **Zollingeri.** *S. (Bonpl. VII. p. 30. 1859.)* — Folii lamina rotundato-ovalis, pallide-limbata, basi sinu profundo angusto l. obtecto,

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lobos posticos oblique semiovatos, l. ovato-oblongos exitu rotundatos l. obtusos approximans, apice linea arcuata, rotundata, breviter-cuspidata. Costa lobi antici 9-pollicaris, posticae angulo acuto distantes 5-pollicares. Spatha excepto dorso flavo-viridi, albida. Spadix spatham tandem superans, crassus, inferne $^1/_3$ femineus. Ovaria pallide-flavo-virentia. Antherae pallidissime sordide-flaventes. — Java. Zollinger. — *v. v. et s.*

*Synon.* Homal. cordata. Zollinger. Plant. Jav. Nr. 559.

5. **rubescens.** Knth. *(En. III. p. 57. 1841.)* — Folii lamina sagittato-cordata, sinu triangulari, lobis posticis obtusis, in costa venis et margine, (praecipue subtus) rubens. Petioli et pedunculi laeves, spatha (intus albida) et ovariorum vertices rubri. Antherae pallidissime ochraceo-albidae. Bacca minuta. Semen ellipsoideum. — Chittagong. Roxb., Khasia. Hook. f. — *v. v. cultam.*

*Synon.* H. rubra. Hassk.

Zantedeschia rubens. C. Kch.

6. **coerulescens.** Junghuhn. *(in schedula.)* — Folii lamina glauca l. glauco-viridis, pallide-limbata, ex ovato cordato-sagittata, lobis posticis subtriangularibus, obtusis, sinu profundo plus minusve aperte sejunctis, apice subrepentino angustata, breviter-cuspidata. Spatha extus pallide flavida, intus albida. Spadix digitiformis, ovariis glaucidulis, an-

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theris pallidissime ochraceo-albidis obsitus. — Habit. . . . .? — *v. v. cultam.*

7. **Wallichii.** *S. (Bonpl. VII. p. 30. 1859.)* — Folii lamina cordato-sagittata l. sagittato-cordata, triangularis, basi sinu latissimo et apertissimo in fundo rotundato lobos posticos *obtusos* fere pede distantes sejungens, apice cuspidata. *Costa 9-pollicaris.* Costae posticae angulo fere obtuso discedentes. Spatha brevis. Spadix $^1/_3$ femineus. — Pulo-Penang. Wallich. — *v. s. fol. ex Herb. Hooker.*

*Synon.* 8951. Wallich Cat.

8. **sagittifolia.** Junghuhn *(in schedula.)* — Lamina fol. elongato-hastata, basi sinu latissimo *apertissimo in fundo* rotundato, lobos posticos triangulares, *obtusos* l. *exitu* rotundatos, 9 pollices distantes sejungens, apice subsensim angustata, acuminato-cuspidata. Costa 14–15 pollices longa. Costae posticae *angulo fere recto distantes.* Venae lobi antici patentes *rectiusculae. Spatha elongata.* Spadix ad 4-tam partem femineus, *tertia suprema* parte antherifer; reliqua intermedia staminodiis onustus. — Borneo. Motley. — *v. v. et s. in Herb. Hooker.*

*Obscurae.*

9. **minor.** Griffith. *(It. Not. III. p. 152. 1851.)* — Brevis. Folii lamina cordato-sagittata l. cordata, basi *hastato-sagittata.* Vagina bracteantes rubellae. — Ind. or. Griff.

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10. **major.** Griffith. *(It. Not. III. p. 153. 1851.)* — Elatior. Folii lamina cordato-sagittata. Vaginae bracteantes virides, breviores. Spatha minus curva, quam in H. minor. — Ind. or. Griff.

11.? **Roshalum.** Griffith. *(It. Not. III. p. 154. 1851.)* — Folii lamina atroviridis, elongato-lanceolata. Spatha viridis, margine alba. Spadix leviter arcuatus. — Ind. or. Griff.

12.? **alba.** Hassk. *(Cat. Hort. Boger. p. 57. 1844.)* — Folii lamina cordato-ovata, mucronata, atroviridis, lobis baseos parallelis. Petiolus viridis. Spatha spadice vix brevior, mucronata, viridi-alba, margine albo. Java, Hassk. — An non Alocasia alba? *S. Synon.* Zantedeschia alba. C. Kch.

Excludenda.

**Homalom. calyptrata.** Kuth. = Schismatoglottis calyptrata. Zollinger.

**CHAMAECLADON.** Miquel. Spatha perbrevis, tubo indistincto, apice hians, tandem reclusa, persistens. Spadix stipitatus, inferne alternatim pistillis et pistillodiis stipitato-capitatis, regulariter-obsitus, superne antheris irregulariter-, utplurimum geminatim-consociatis, gibbis, brevibus, subantice rima in verticem obtusatum usque producta aperientibus, tectus. Ovarium biloculare, loculamentis pluriovulatis, ovulis longe-funiculatis. Staminodia nulla.

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Herbae subacaules, rhizomate repente, hypogaeo? Folia oblonga l. anguste lanceolata. Pedunculi breves, plures ex eadem axilla.

1. **angustifolium** *S. (Bonpl. 1858. p. 369.)* — Petioli virentes. Lamina fol. elongato-anguste-lanceolata, utrinque sensim angustata, acuminata, venis arrectis utrinque sub-4. Ovarii loculamenta ovulis sub-4. — Pulo-Penang. Jack. — *vid. s. exempl. (Wallich. 8959. pro parte).*

   *Synon.* Calla angustifolia. Jack.

2. **lanceolatum** Miq. *(Bot. Zeit. 1856. p. 564.)* Rhizoma ramis tandem decumbentibus, radicans. Petiolus viridis, inferne rufescens. Lamina fol. elliptico-lanceolata l. lanceolata, margine subundulata, basi acuta apice plus minusve acuminata, laete-viridis. Venae utrinque 4-6, erecto-patentes. Spatha flavo-virens, breviter-cuspidata. Spadix stipitatus. Ovarium ovoideum, stigmate magno coronatum. Pistillodia flaventia. Antherae sordide-flaventes. — Java. Hassk. — *v. v. et s.*

   *Synon.* Aglaonema pygmaeum Hasskarl.

3. **purpurascens.** *S. (Bonpl. 1858. p. 369.)* — Rhizoma ramis tandem decumbentibus radicans. Petiolus rubicundus. Lamina fol. ovali-elliptica, basi obtusa l. late-cuneata, margine plus minusve undulato, apice acuta l. subacuminata, apiculo brevi aucta, infra ex pallido-viridi rubens, supra ex atrovi-

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ridi rubescens. Venae utrinque 2-4, erecto-patentes. Spatha saturate-viridis, longe cuspidulata. Spadix sessilis. Ovarium apice fere in stylum brevissimum constrictum, stigmate multo minore coronatum. Pistillodia albida. Antherae albo-virentes l. pallide virescenti-albidae. — Java Zolling. — *v. v. et s.*

*Synon.* Aglaonema pygmaeum var. *β.* purpurascens. Zollinger.

4. **humile** Miq. *(Flor. Ind. Bot. Vol. III. p. 213. 1856.)* Rhizoma abbreviatum. Petiolus virens. Lamina fol. ovata, late-elliptica l. et oblongo-elliptica, basi rotundata l. subemarginata, margine extimo tenuissime crispulo, apice acuta l. cuspidulo brevi subacuminata, infra (in sicco) verruculosa l. papillosa, supra laevigata, (viridis). Venae utrinque 6-8 patentes l. aperte erecto-patentes. Spatha obscure-rubens, (Jack.) Antherae flavae. Ovaria ovata in stylum brevissimum attenuatae. — Pulo-Penang Jack, Wallich. — *v. s. in Herb. Hooker.*

*Synon.* Calla humilis Jack.

5. **truncatum** *S. (Bonpl. 1858. p. 369.)* — Rhizoma congenerum. Petiolus rubens. Lamina fol. elongato-triangularis l. lanceolato-triangularis, basi truncata, sinu levissimo apertissimo, angulis rotundatis l. obtusissimis, apice longe-acutata l. acuminata, infra (in sicco) ut petioli pallide-rubescens, supra saturatius-virens, rubro suffusa. Ve-

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nae utrinque 5-8, infimae divergentes; supremae fere erectae. Spatha rubens. — Mergui, Tenasserim. Herb. Hook. — *v. s. in Herb. Hooker.*

6. **obliquatum**. *S. (Bonpl. 1858. p. 369.)* — Petioli rubescentes. Lamina fol. oblongo-lanceolata, obliqua, inaequilatera, basi rotundata, latere uno arcuatim-, altero quasi rectilineo-angustata, longe-tenuiterque acuminata. Venae 4-5, erecto-patentes, infimae patentes. Pedunculi petiolo triplo quadruplove breviores. Spatha generis. — Pulo-Penang. *Phillips, in* Herb. Hook. — *v. s. in Herb. Hooker.*

*Synon.* Aroid. Wall. Cat. 8963.

7. **Griffithii** *S. (Bonpl. 1858. p. 369.)* — Petioli rubentes. Lamina fol. oblongo-elliptica, rectiuscula, subaequilatera, basi rotundata l. obtusata, utroque latere arcuatim-angustata, cuspidato-acuminata, cuspide acuminata, longa. Venae utrinque 3-4, patentes. Pedunculi petiolo duplo triplove breviores. Spatha pedunculo duplo circiter brevior. — Malacca Griff. — Borneo Mottley. — *v. s. in Herb. Hooker.*

8. **ovatum** *S. (Bonpl. 1859. p. 30.)* — Petioli folii lamina longiores. Lamina ovata, lata, basi rotundata, apice acuminata, 6-7 pollicaris, lobis l. costis posticis manifestis nullis. Pedunculus petiolo duplo brevior. Spatha cuspidato-apiculata. Spadix ad tertiam

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partem femineus. — Sincapur. Wallich. — *v. s. in Herb. Hooker.*

*Synon.* Aroidea 8964. Cat. Wall.

Obscurum.

9. **sanguinolentum** *S.* — Petioli rubescentes. Lamina fol. lanceolata, caudato-cuspidata, coriacea. Pedunculi sanguinolenti. — Ind. or. Griffith.

*Syn.* Cyrtocladon sanguinolentum Griff.

*Observ.* An hujus generis? annon? non est extricandum. Nam spatha dicitur „parte inferiore tantum persistens, ovaria trilocularia pronunciantur."

**SUBTRIBUS ADELONEMINAE.** *S.* Spadix staminodiifera l. neutriflora spica supra ovaria. Antherae vix stipitatae? loculis connectivo vix brevioribus? rimula l. poro apiculi in vertice aperientes. Ovaria 1-3-locularia. Ovarodia nulla. Ovula axifixa l. parietifixa? longe-funiculata, ortho- l. antitropa.

*Observ.* Subordo obscurus, ulteriori examini comendandus.

**ADELONEMA.** *S.* Spatha inferne convoluta. Spadix inferne ovariis, supra ovaria ad apicem usque staminodiis, e truncati brevissimi imi centro conice breviter-acuatis. Ovaria 2-3-locularia, loculamentis pluriovulatis. Ovula anatropa.

Herba rhizomate prorepente. Petioli inferne, ad medium fere anguste-vaginati.

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Lamina fol. *oblonga*. Pedunculus petiolo brevior.

1. **erythropus**. *S.* Petiolus lamina folii longior, 4-5-pollicaris. Lamina oblongo-elliptica, basi cuneata, apice cuspidato-acuminata. Venae *utrinque 5-6, patentes, arcuatae*, longe procurrentes. Pedunculus *dimidia* longitudine petioli. Spatha pedunculo plus duplo fere triplo brevior. — Provinc. Rio-negro, Brasiliae. Martius. — *v. s. in Herbar. Monacense.*

*Synon.* Philodendr. erythropus. Martius. (Synops. Aroid. p. 76.)

**PHILONOTION**. *S.* — Spatha basi convoluta. Spadix *interrupte-androgynus*, inferne ovariis medio staminodiis, *reliqua* parte antheris tectus. Ovaria unilocularia, uniovulata, ovulo orthotropo, supra basin cavitatis lateraliter *funiculo* longulo asscendenter exserto, micropyle *tholi-spectante*. *Stigma* sessile. Staminodia ovariis *contigua, irregularia*. Antherae cuneatae, compressae, subgeminatae, dense irregulariterque consociatae, loculis oppositis, *vertice* poro rotundo aperientibus.

*Herba in ripis rivulorum degens*, foliorum laminis parallele et densissime venosis.

1. **Spruceanum**. *S. (Genera Aroid. 54. 1858.)* — Petioli tenues 7-8 pollices longi, inferne vagina *subdeliquescente instructi*. Lamina fol. *oblongo-lanceolata, basi repentino* contracta, apice cuspidato-acuminata, cuspide subulata pollicari. Venae patentes, in mar-

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ginem excurrentes. Vaginae bracteantes breves, tripollicares. Pedunculus petioli longitudine, tenuis. Spatha tubo ventricoso-oblongo-ovato, lamina lanceolato-oblongula, apice apiculo longulo subulato terminata. Spadix spatha paulo brevior, tenuis, parte infra antheras denudata, e fauce tubi emergente. — Brasilia. Spruce. — *v. s. in Herb. Hooker.*

**SUBTRIBUS SCHISMATOGLOTTIDINAE.** *S.* Spadix spica staminodiifera terminali instructus. Antherae stipitatae, loculis connectivo manifeste brevioribus, poro verticali aperientibus. Ovaria unilocularia, libera, placentis 2 parietem ascendentibus pluri-ovulatis. Ovarodia passim provenientia. Ovula parietifixa, longe-funiculata, vaga, anatropa et orthotropa in eadem cavitate. Semina albuminosa. Embryo axilis.

Rhizoma prorepens. Folia petiolo inferne vaginato, lamina lanceolata, ovata, l. cordata. Spathae lamina vix evoluta, in foecundatione abrupte-abjecta l. emareida.

**APATEMONE.** *S.* Spathae lamina in foecundatione abjecta, tubo persistente. Spadix inferne femineus, absque ovarodiis, medio contigue antherifer, apice contigue staminodiifer. Antherae breves, compressulae, loculis oppositis, vertice poris aperientes. Staminodia longula, inferne cylindroidea, apice acuata.

Herba parvula facie Chamaecladonis.

1. **Motleyana.** S. *(Genera Aroid. 57. 1858.)* Petiolus gracilis. Lamina fol. lanceolata, el-

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liptica l. oblongo-ovata, basi repentino cuneatim angustata l. rotundata, apice sensim angustata longe-cuspidata, venis utrinque sub-5, aperte-patentibus, leviter arcuatis. Pedunculus petiolo brevior. Spatha in statu alabastrino subsesquipollicaris, acuminata, Antherarum spica fere reliquis spicis brevior, feminea et neutra subaequilongae. — Borneo. Motley. — *v. s. in Herb. Hooker.*

**BUCEPHALANDRA.** *S.* Spathae lamina in foecundatione abjecta, tubo persistente. Spadix inferne femineus, absque ovarodiis, medio contigue antherifer, apice contigue staminodiifer. Antherae cuneatae l. cuneato-rotundatae, antico latere loculiferae, loculis apice in processum corniformem longulum productis poro aperientibus. Staminodia compressula vertice (verrucoso) truncata, antheris validiora.

Herba parvula Chamaecladonis facie.

1. **Motleyana.** *S. (Genera Aroid. 55. 1858.)* — Petiolus brevis l. longulus, tenuis. Lamina fol. lanceolata, angusta, inferne cuneata, apice sensim angustata, longule-apiculata. Pedunculus folii petiolo fere longior. Spathae tubus relictus campanulate-urceolaris. Spadix parte staminodiifera, clavato-oviformi, incrassata, antheriferam brevem valde superante, dimidium sui ipsius axeos occupans. Antherae cornubus primum erectae, in florescentia subhorizontaliter porrectae.

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Ovaria subsphaerica. — Borneo. Barker. — *v. s. in Herb. Hooker.*

**SCHISMATOGLOTTIS.** Zollinger et Moritzi. Spathae lamina vix unquam aperta subarticulatim decidua, tubus convolutus persistens. Spadicis pars feminea ovarodiis sparse permixtis praedita; media contracta ovariis incompletis sparsis obsita subnudiuscula, insequens superior pars clavato-incrassata ultra medium-antherifera cacumine rotundato staminodiifera. Ovarium substylatum, stigmate capitato. Antherae longe-stipitatae, summo apice tantum loculigeri, loculis suboppositis.

Rhizoma stoloniferum. Petioli inferne vaginati. Lamina fol. cordata, multivenia.

1. **picta**. *S. (Oest. B. Bot. Zeitschr. 1858. p. 317.)* — Petioli pedales et ultra, firmuli, ad medium fere vagina apice breviter-soluta instructi. Lamina fol. cordato-ovata basi sinu subaperto profundo instructa, apicem versus subsensim linea arcuata in cuspidem acuminatam contracta, supra atroviridis medio latere utrinque maculis quasi laceratis, intervenia occupantibus, glauco-zonata. Pedunculus petiolo brevior. Spathae tubus oblique ovoideo-oblongus viridis, lamina in florescentia helicomorpha, ovoidea cuspidulate-acuata, hians, virescenti-flavida, subito abjecta, spadicis apicem inobtectum relinquens. Ovaria flavida, ultra medium spadicem disposita. Antherae pallide sulphureae.

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Staminodia antheras paululo superantia. — Java? Hassk. — v. v. cult.

*Synon.* ? Colocasia picta Hassk.

Colocasia humilis, B. minor Hassk.

2. **calyptrata.** Zollinger et Moritzi. *(Syst. Verz. p. 83. 1846.)* — Petioli lamina breviores. Lamina fol. oblonga, basi vix profunde-cordata, apice subrepentino angustata cuspidata. Pedunculus brevissimus. Spathae tubus oblongus, viridis, lamina subulate-acuminato-cuspidata, mox decidua, pallide-flava. Spadicis pars terminalis clavata, rotundate-obtusata, flava. Ovaria viridia. — Ind. or. Amboyna. Roxb. — *v. iconem Roxburghii pictam, a Celeb. Hooker. communic.*

*Synon.* Calla calyptrata. Roxb.

Homalomena calyptrata. Knth.

Zantedeschia calyptrata. C. Kch.

3. **longipes.** Miq. *(Bot. Zeit. 1856. p. 565.)* — Petioli graciles, pedales et ultra, basi breviter-vaginati. Lamina fol. oblonga, basi vix profunde sagittato-cordata, (cum lobis 4-9 pollices longa, $1^1/_2$-4 pollices lata), lobis posticis rotundatis l. triangularibus exitu obtusis, sinu aperto l. apertissimo sejunctis. Venae plures, patentes l. aperte-patentes; subarcuatae, in pseudoneurum (intimum) margini approximatissimum anastomosantes. Pedunculus solitarius, tandem 5-6 pollices longus. Spathae tubus oblique oblongus, lamina acuata, longe-subulato-apiculata, flavescens. Spadix $2^1/_4$ pollices longus, ultra

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medium femineus, ad spicam staminodiiferam ovoideam usque masculus. Ovaria interdum placentis tribus, ovarodiis raris comitata. Antherae truncatae, vertice verrucosae. Staminodia cuneata vertice truncato rhombeo l. quadrangulo compressulo verrucosa, antheris majora. Fructus coccineus. Doleschall. — Java. Miquel, Amboyna Doleschall. — *v. s. specimina Javae in variis Herbariis, Amboynense in Herb. Musei Vindob.*

4. **latifolia**. Miquel. *(Bot. Zeit. 1856. p. 565.)* — Petioli lamina breviores l. aequales, (5-8 pollices longi), inferne vaginati; laminae e basi profunde cordatae late-ovatae, modice acuteque acuminatae, crassiuscule-membranaceae, pseudoneuro triplici cinctae, venis densis ad exortum passim subconfluentibus, lobis baseos rotundatis, nunc subangulatis, sinu angustiore l. latiore diremtis, ab eorum extremo ad apicem 10-13 poll. longae, 6 pollices latae; pedunculi breves; spatha subvirginea $2^3/_4$ poll. acquans, infra medium constricta, apice longiuscule acuminata; pars spadicis antherifera cylindrica apice vix obtusa. — Java. Junghuhn. — Omnia Miquel.

## Excludenda.

**Sch. rupestris.** Zolling. = Apoballis neglecta. *S.*

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**Sch. calyptrata.** Zolling. = Schismatoglottis longipes. Miq.

**APOBALLIS.** *S.* (*Bot. Zeitschr. 1858. p. 317.*) — Spathae tubus persistens, lamina fusiforme convoluta in florescentia hians, postea reclusa et tandem cum spadicis parte mascula decidua. Spadix supra ovaria pistillodiis aggregatis sparsim obsitus. Ovaria ovarodiis raris permixta. Stigma sessile. Antherae cuneatae, loculis ad *medium* vix extensis, subopposítis. Staminodia difformia, hebetato-truncata, spadicis supremam partem fusiformem obtegentia. Bacca viridula l. sordide flavoviridula. Semina breviter-ellipsoidea, arrecta, arillo diaphano, testa atroviridi induta, albuminosa. Germinatio admotiva. —

Caudex ramosus, humo protractus. Petioli vaginati, vagina ligulare producta marcescente. Lamina fol. *cordata*. Pedunculi plures ex eadem axilla.

1. **neglecta.** *S.* (*Bot. Zeitschr. 1858. p. 317.*) — Rhizoma crassum, radicans. Petioli haud longi, tamen costa longiores. Lamina fol. cordato-ovata, *multivenia*, basi sinu profundiusculo angusto insignita, apicem versus linea arcuata angustata, cuspidulate-apiculata, supra atroviridis. Pedunculi petiolo breviores firmuli erecti. Spathae tubus oblongo-ovoideus viridis, persistens; lamina vix aperta fusiformis, flava. Spadix inaequaliter-tereti-conoideus, tertia parte ovariis ovarodiisque supra ovaria sparsis, antheris

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flaventibus, et ultima tertia parte staminodiis tectus. Baccae oblongulae, virides. — Java. Zollinger. — *v. v. cult.*

*Synon.* Schismatoglottis rupestris. Zollinger et Moritzi.

*β.* **Peristatogoneae.** *S.* Flores feminei ex ovariis staminodiis circumdatis.

**Tribus Richardieae.** *S.* Spadix liber. Antherae liberae. Ovarii loculamenta pluriovulata, ovulis axifixis, anatropis.

**RICHARDIA.** Knth. Spathae lamina marcescens. Spadix inferne floribus femineis, superne masculis dense tectus. Ovaria staminodiis 3, liberis cincta, 2-4-locularia, in stylum conoideum attenuata, stigmate depresso-capitato coronata. Antherae sessiles, oppositе biloculares, vertice poriforme aperientes. Baccae 2-4-loculares. Semina compresso-ovoidea, albuminosa.

Herba rhizomate subterraneo. Folia petiolo longe vaginato, lamina sagittato-cordata.

1. **Africana.** Knth. *(Ann. Mus. Paris. 4. 437. t. 20. 1815.)* — Lamina fol. sagittata; (latitudine sua subduplo longior), lobis posticis retrorsis, triangularibus l. semiovato-triangularibus, sinu angusto l. latiusculo distantibus, apice cuspidato-apiculata, supra venis magis conspicuis. Spathae tubus brevis infundibuliformis, in fundo flavens, lamina subrepentino in cuspidem subulatam angustata. Spadix ad 5-tam partem femineus.

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Ovaria substylata. Baccae flavae, majusculae. — C, b. sp. — *v. v. et s. spontaneam.*

2. **albo-maculata**, Hooker. *(Bot. Mag. t. 5140, 1859.)* — Lamina fol. anguste et elongate sagittato-hastata f. hastata, (latitudine sua triplo longior), lobis posticis triangularibus, extrorsis, sinu aperto divaricatis, apicem versus sensim acutata, cuspidulata, venis supra vix conspicuis. Spathae tubus brevis, fundo purpurans, lamina sensim in cuspidem subulatam angustata. Spadix ad medium femineus. Ovaria astyla? — Africa austr. Port-Natal. Hooker. — *v. s. spont. in Herb. Horti Petropol.*

*Observ.* Folii lamina dense albo-maculata! — An semper?

3. **hastata.** Hooker. *(Bot. Mag. t. 5176. 1860.* Folia subflaccida hastato-ovata ampla immaculata, venis opacis, Spatha viridi-lutea apice erecta intus basi atropurpurea. Petioli glandulosi, (muriculati ex icone).

*Observ.* Ex sententia Hookeri forte cum priore conjungenda et nomine „hastata" retinenda, varietate: albo-maculata.

**Tribus Asterostigmeae.** *S.* Spatha persistens. Spadix inferne floribus femineis remotis, superne masculis (synandriis) obtectus. Ovaria staminodiis 3-5 cincta, 1-5-locularia, ovulis anatropis. Synandria loculis sub vertice rimula apicali aperientibus.

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**SUBTRIBUS DIEFFENBACHIININAE.** *S.* Synandria contigua, sessilia, brevia, loculis connectivum aequantibus. Pollen in farciminulis propulsum.

Caudicatae, frondosae.

**DIEFFENBACHIA.** *S.* Spatha vegeto-persistens. Spadix parte feminea accretus. Ovaria staminodiis ovarium superantibus, basi connatis, circumdata, plurilocularia, (abortu unilocularia), stigmate sessili, convexo, 1-3-gibbo. Fructus spatha disrupta baccas sphaeroideas rubras monstrans. Semen exalbuminosum. Embryo macropodus, germinatione admotiva.

Caudex erectus l. decumbens. Petioli fol. inferiorum longiores, proportione brevius-, folior. spadiferorum breviores, altius et latius vaginati. Lamina fol. infer. major, spadiciferorum minor, imo cuneato, semper oblonga l. ovata, integerrima.

1. **macrophylla.** Poepp. *(N. Gen. et III. p. 90. 1845.)* — Petiolus fol. inferioris inferne-, fol. terminalis l. superioris ad apicem fere vaginatus, viridis. Lamina fol. 19 pollices longa, 13 pollices lata, ovata l. ovato-elliptica. apice rotundate-angustata, apiculato-cuspidulata, basi rotundata, utrinque viridis, immaculata, venis utrinque 24-30. Spatha 13-14 pollices longa, breviter-cuspidulata. Spadix ultra medium spathae dorso adnatus. Ovaria excentrice-unilocularia, stigmate purpureo!? praedita. — Peruvia. Poeppig. — *v. s. spontan.*

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2. **costata**. Karst. (. . . . . .) Petiolus *foliorum inferiorum* ultra medium, foliorum superiorum ad *apicem* fere usque vaginatus, viridis. Lamina fol. elliptica, apice repentino acuminato-cuspidata, basi rotundata, immaculata, supra opaca, atrovirens, venis *crassis*, 25-30. Spatha flavo-virens longiuscule-cuspidata. Ovaria excentrice unilocularia, stigmate depresso-hemisphaerico. Antherae pallidissime viride-flaventes. — Venezuela. S. — *v. v. cult.*

3. **robusta**. *S. (Oest. Bot. Wchnbl. 1854. p. 65.)* — Petiolus fol. inferiorum ultra medium vaginatus, viridis. Lamina fol. late-ovato-oblonga, longiuscula acuminato-cuspidata, basi subcordate-emarginata l. rotundata, viridis, venis utrinque 24-30. Spatha et intus flavo-virens, *longe cuspidato-apiculata*. Ovaria excentrice unilocularia, stigmate breviter-conico coronata. Antherae pallide helvole-flaventes. — Habit. . . . . ? — *v. v. cult.*

4. **Oerstedii**. *S. (Oest. Bot. Zeitschr. 1858. p. 179.)* — Petiolus fol. inferiorum ad medium, spadiciferorum paulo ultra medium vaginatus. Lamina fol. oblongo-elliptica, basi rotundata, apice subsensim angustata, cuspidata, venis utrinque 6-9, tenuibus. Spatha 6-pollicaris, fructifera miniata! Ovaria subexcentrice unilocularia. Bacca sanguinea pisi magnitudinis. — Amer. centr.

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Oersted. — *v. s. et fructus iconem à Celeb. Oersted communicatam.*

*Observ.* Sanguinillo vulgo dicta. Oersted.

5. **Seguine.** *S. (Melet. I. p. 20. 1832.)* — Petiolus foliorum inferiorum infra medium, superiorum apicem versus vaginatus, ex albo-flavente et viridi striato-maculatus. Lamina fol. oblonga l. oblongo-ovata, breviter-cuspidata, basi rotundata, viridis, venis utrinque 9-15. Spatha pallide-virens, brevissime cuspidulata. Ovaria excentrice unilocularia, stigmate subconice convexo terminata. Antherae sordide-albidae. Fructus spatha flavo-virenti obtectus, illa disrupta baccas miniato-aurantiacas, pisi magnitudinis monstrans. Semen sphaeroideum, viride. — Caribaeae. — *v. v. cult.*

6. **Gollmeriana.** *S. (Oest. Bot. Zeitschr. 1858. p. 387.)* — Petiolus 6-pollicaris, ad medium l. ultra medium vaginatus. Lamina fol. elliptica, basi rotundata, apice arcuate- l. subsensim angustata brevius l. longius cuspidulata, venis utrinque 11-13. Spatha 7-7½ pollices longa, breviter-apiculata. Baccae diametro 5-lineari. — Caracas. Gollmer. — *v. s. in Herb. G. Berolinensi.*

7. **Wendlandii.** *S. (Oest. Bot. Zeitschr. 1858. p. 179.)* — Petiolus folii superioris 9-pollicaris. Lamina folii superioris 15 pollices longa, fere 7 pollices lata, elliptica, basi repentino ex rotundato angustata et imo breviter cuneato aucta, apice linea arcuata

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contracta, longule-cuspidata, venis utrinque 10-11. Spatha pedalis, longe-acuminata. Spadix 10½ pollices longus. Ovaria l. excentrice unilocularia l. manifeste bilocularia, stigmate hemiphaerico terminata. — Regnum Salvatorense. Wendland. — *v. s. spontan. in Herb. Wendl.*

8. **Poeppigii**. *S. (Synops. I. p. 130. 1856.)* — Petiolus folii inferioris 7 pollices longus, ultra medium-, folii superioris 5-6 pollices longus apicem versus vaginatus. Lamina fol. inferioris sub-10-pollicaris, 3½ pollices lata, elliptico-oblonga, basi rotundata, a basi apicem versus sensim leviterque angustata, summo apice cuspidata, fol. superioris elliptica, inferne repentino et imo cuneatim angustata apice arcuatim contracta, brevius cuspidata, venis utrinque 9-13. Spatha 6 pollices longa, subcuspidata. Flores feminei superiores remoti. Ovaria geminata, stigmatibus distinctis l. connatis. — Peruvia Poeppig. — *v. s. in Herb. Poepp.*

9. **consobrina**. *S. (Synops. p. 131. 1856.)* — Petiolus laminae inferioris sub-5-pollicaris, ad medium circiter vaginatus, folii superioris 4-pollicaris, vagina apicem versus producta. Lamina fol. infer. oblonga ab imo rotundato apicem versus sensim leviterque angustata, summo apice acuminata, 10-11 pollices longa, 4 pollices lata, venis 13-15; fol. super 7 pollices longa, ultra sesquipol-

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lices lata, lanceolato-oblonga, imo longe-cuneato, apice sensim acuminato, venis plurimis a venulis haud distinguendis. Ovaria didyma. Synandria ochroleuca. — Brasilia, Rio-negro. Martius. — *v. s. in Herb. Monacense.*

10. **Ventenatiana**. *S. (Bonpl. VII. p. 30. 1859.)* — Petiolus fol. infer. 10-pollicaris, paulo ultra medium usque vaginatus. Lamina fol. oblongo-ovata, basi cordata, apicem versus sensim linea arcuata angustata, brevissime apiculato-cuspidulata, viridis, venis utrinque 16-17, inferne apertissimis. Spatha 6-8 pollices longa. Spadicis pars mascula brevis, $^1/_3$ totius longitudinis metiens. Ovaria didyma. — Surinama Hostman. — *v. s. in Herb. Hort. Petropol.*

*Synon.* Caladium arborescens Vent. (fide specim. in Herb. Horti Petropolit. asservato).

11. **Plumieri**. *S. (Oesterr. Bot. Wochenbl. II. p. 69. 1852.)* — Petiolus ad medium circiter vaginatus, viridis. Lamina fol. ovato-oblonga, basi rotundata, apicem versus sensim linea leviter arcuata angustata, breviter cuspidulata, venis utrinque sub-12. Spatha acutata, 8 pollices longa. Spadicis mascula spica vix $^1/_3$ totius longitudinis. Ovaria didyma, inde bilocularia, stigmate dicephalo. — Martinica. Plumier. — ex icone Plumieri.

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12. **obliqua**. Poepp. *(N. Gen. et sp. III. p. 90. 1845.)* — Petiolus fol. infer. 7-pollicaris, fol. superioris 3-pollicaris, vagina lata ad apicem usque producta. Lamina fol. infer. obovato-oblonga, a medio deorsum sensim angustata, apice linea valde acuata in cuspidulum breve contracta, 20 pollices longa, superne 6 pollices lata, conspicue-inaequilatera et inde obliquata, venis numerosis percursa; *fol. superioris* 14 pollices longa, 6 pollices lata, ovalis l. elliptica, basi brevius cuneata fere obtusata, apice sensim breviterque acutata, apiculata. Spatha 4-pollicaris, breviter-cuspidata, viridis, dein alba? — *Ovaria didyma, stigmatibus unitis* vix dicephalis. — Peruvia. Poeppig. — *v. s. in Herb. Poepp.*

13. **lineata**. C. Kch. *(App. 1853. p. 4.)* — Petiolus *fol. infer.* 9-10-pollicaris, ad medium l. *ultra medium vaginatus*, *fol.* supremi 7-pollicaris, in laminam usque vaginatus, albide, l. pallide lineolatus. Lamina fol. infer. oblonga, 15-18 pollices longa, 6 pollices et ultra lata, a basi apicem versus sensim leviterque angustata, *imo rotundato*, apice longe-cuspidato, venis 12-13 patentibus percursa, fol. super. abruptius angustata, imo rotundato juxta petiolum breviter-cuneato, *apice fere brevissime* cuspidato, venis 11-13. Spatha pedalis, *lamina* revoluta. Spadix 10-11 pollices longus, spica mascula reliqua parte paulo breviore. Ovaria didyma.

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saepe tridyma, stigmatibus confluentibus, subtrisulcatis. — Nova-Granata. C. Koch. — *v. v. cult.*

14. **picta**. *S. (Oester. Bot. Wochenbl. II. p. 68. 1852.)* Petiolus viridis, fol. infer. 9-pollicaris, vagina ad medium tantum, l. altius producta paulo breviore; fol. super. 8-pollicaris ad apicem usque vaginatus. Lamina fol. infer. 13-14-pollicaris, inferne 3-5 pollices lata oblonga l. lanceolato-oblonga, ad basin rotundata, apicem versus sensim leviterque angustata, exitu acuminato-cuspidata, interveniis supra interrupte irregulariterque albo-maculatis, venis plurimis; fol. super. vix diversa. Spatha viridis breviter-cuspidulata. Spadicis spica mascula reliquo spadice duplo brevior. Ovaria didyma l. tridyma, stigmatibus subdistinctis, inferne vero connata. Antherae flavidae. Baccae didymae etc. dispermae, aurantiaco-coccineae. Semen rotundatum viride, germinatione admotiva. — Habit. . . . . ? — *v. v. cultam.*

*Synon.* Caladium maculatum Lodd.

15. **Spruceana**. *S. (Bonpl. VII. p. 30. 1859.)* — Petiolus ultra medium vaginatus, 10-12 pollices longus, nebulose ex viridi et albo variegatus. Lamina fol. 9-12 pollices longa, 4-5 pollices lata, lanceolato-oblonga, basi rotundata imo levissime cuneato, apicem versus sensim angustata acuminata, venis

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utrinque pluribus, viridis. Spatha 4-pollicaris. Spadicis gracilis spica mascula $^1/_3$ totius spadicis. Ovaria didyma, connata, stigmatibus dicephalis. — Brasilia. Spruce. — *v. s. in Herb. Hooker.*

16. **neglecta.** *S. (Bonpl. VII. p. 30. 1859.)* — Petiolus ad l. *ultra medium* vaginatus, viridis? — Lamina fol. oblongo-elliptica, basi subsensim et arcuatim angustata, cuspidato-acuminata viridis? venis utrinque validioribus sub-5. Spatha 5-pollicaris, Spadicis crassuli spica mascula *triente longior*. Ovaria di-tridyma. — Jamaica. Distini. — *v. s. in Herb. Hooker.*

17. **liturata.** *S. (Oestr. Bot. Wochbl. II. p. 68. 1852.)* — Petioli *inferiores* apicem versus, superiores ad apicem usque vaginati. Lamina elongato-elliptica, basi repentino angustata, acuminato-cuspidata, saturate-viridis, supra secus costam stria l. zona latiuscula ex albo flavida, *margine* lacerato-erosa notata, venis utrinque 12-18. Spatha $4^1/_2$-6-pollicaris, sub glauco-viridis, breviter-cuspidulata. Spadicis spica mascula $^1/_3$ totius spadicis. Ovaria geminato- l. ternato-bi-trilocularia, *stigmate bi-tricephalo*. Antherae albidae. — Habit. . . . ? — *v. v. cult.*

Obscurae.

18. **humilis.** *Poepp. (N. Gen. et sp. p. 90. — 1845.)* — Petioli *inferiores* ad *medium*, superiores ad $^2/_3$ vaginati, tenues, graciles.

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Lamina lanceolata, 6-7 pollices longa, sesquipollicem lata, longe-acuminata, basin versus cuneata, atroviridis, juxta costam maculis irregularibus densiusculis picta, venis pluribus minus distinctis. — Peruvia. Poeppig. — *v. s. in Herb. Poepp.*

19. **lingulata** Mart. *(in Herbario.)* — Petiolus inferiorum foliorum ad l. ultra medium, superiorum ad apicem vaginatus ut caudex albido-irroratus. Lamina fol. 12-14 pollices longa, inferne $4^1/_2$-5 pollices lata, oblonga, a basi sensim leviterque apicem acuminatum versus angustata, basi rotundate-subcordata, viridis, venis utrinque sub 24. Spatha pallide-ochroleuca. Ovaria didyma. Stigma dicephalum. Brasilia, Pará. Martius. — *v. folia in Herb. Monacense.*

20. **cognata**. *S. (Synops. I. p. 130. 1856.)* — Petiolus crassus, versus apicem usque vaginatus, 4—6 pollices longus. Lamina late-ovato-oblonga, 14-15 pollices longa, 5-6 pollices lata, basi subcordata, apicem versus linea arcuata subrepentino angustata, longe subulateque cuspidata, viridis, venis utrinque 12-18. Spatha 8-9-pollicaris, longule-apiculata. Ovaria excentrice unilocularia? — Surinama, Paramaribo. Wullschl. — *v. s. in Herb. Monacense.*

21. **irrorata** Mart. *(in Herb.)* — Petiolus 8 pollices longus, parum crassus, ultra medium apicem versus vaginatus, maculis albis irregulariter-irroratus. Lamina fol. oblongo-

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ovata, sensim acuminata, basi subcordata, viridis, venis *utrinque sub*-18, longitudine pedalis, latitudine 5-5 1/2-pollicaris. — Pará Mart. — *v. fol. in Herb. Monacense.*

**SUBTRIBUS ASTEROSTIGMATINAE.** *S.* Synandria remota, stipitata, fungiformia, loculis appensis, brevissimis.

Tuberosae. Folia hysteranthia.

**MANGONIA** *S.* Spadix liber, basi densiflore-femineus, medio masculus, reliqua parte synandrodiis obsitus. Ovaria staminodiis tribus brevibus, *vertice truncatis cincta*, in stylum conicum attenuata, stigmate *trilobo l. trifido* coronata, trilocularia, loculamentis biovulatis, ovulis ultra mediam cavitatem, magis apicem axeos versus exsertis. Synandria pelta 3-4-loba, loculis 6-8-9 *circum peltam*, majusculis, rimula verticali aperientibus. Synandrodia suprema apice 4-fida, distantiuscule sub-4-capitata.

Folii lamina integerrima.

1. **Tweedieana** *S. (Oestr. Bot. Wochbl. 1857. p. 77.)* — Petiolus 8-pollicaris et ultra, inferne vaginatus. Lamina fol. 4-8 pollices longa, 2-3 pollices lata, *sagittato-oblonga*, lobis posticis triangularibus, sinu profundiusculo, aperto, distantibus, apice cuspidatis, venis 5-7 in pseudoneura margini approximata, deliquescentia anastomosantibus. Pedunculus 6-7-pollicaris, tenuis. Spatha 2-2 1/2 pollices longa inferne convoluta, in

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laminam lanceolatam, subulate-cuspidulatam desinente. Spadix gracilis, tenuis, rectus, spatha tandem longior, spica feminea brevis, ovoidea, mascula quam feminea duplo longior remotiflora, neutra terminalis omnium longissima densiflora. — Uruguay (Banda oriental.) Tweedie — *v. s. in Herb. Hooker.*

**TACCARUM**. Brongn. — Spatha patens, inferne laxe-voluta, valde apicem versus ampliata. Spadix androgynus, stipitatus, stipite spathae dorso partim accretus, spica feminea libera, remotiflora, . . . . . Ovaria staminodiis 4-5, e lato imo prolongatis subacutatis cincta, stylo cylindroideo, stigmate capitato 3-5-sulato coronata, 3-5-locularia, loculamentis uniovulatis, ovulis infra mediam cavitatem l. in media cavitate ex axi exsertis . . . . . .

Folii lamina multisecta.

1. **Weddelianum**. Brongn. *(in litteris.)* — Petiolus 15-18-pollicaris. Lamina fol. sagittato-trisecta, segmentis bipinnatifidis, laciniis lanceolatis l. oblongis, acutiusculis, medio 9-12 pollices longo, lateralibus cum medio cohaerentibus juxta petiolum in sinu latissimo costa breviter denudata instructis, 7-10 pollices longis. Spathae lamina continua ovato-oblonga. Spica feminea multiflora. — Brasilia, Mato-grosso. Riedel. — *v. s. in Herb. Horti Petropol.*

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**ASTEROSTIGMA.** *S.* — Spatha lanceolata hians. Spadix supra flores femineos masculis tandem distantiusculis obsitus, inferne partim accretus. Ovaria staminodiis brevibus, truncatis, saepe in cupulam connatis circumvallata, 2-3-4-locularia, loculamentis 1-ovulatis, in stylum conoideum attenuata, stigmate asterisciformi magno, tenui horizontaliter sive peltatim explanato, 3-5-partito, partitionibus l. acutis l. *bifidis laciniis* 2-bus acutis. Synandria vertice umbonata. Pollen in farciminulis expulsum. Bacca 2-3-locularis, (flavida?), loculamentis 1-spermis. Semen brevissime-*funiculatum* ellipsoideum, transversum, minutissime-verruculosum, rhaphe et chalaza laevi, micropyle parietem versus spectante. Albumen copiosum. Embryo axilis.

Folii lamina primum pedati- in stirpe adultiore *pinnatipartita cruribus quoque* pinnatipartitis.

1. **concinnum.** *S. (Oest. Bot. Wchnbl. II. p. 67. 1852.)* — Folii petiolus pallidus, maculis sparsis atrolividis haud magnis striolisque interruptis pallide-violascentibus notatus. Lamina fol. in juvencula trisecta, pedatisecta, segmentis pseudoneuro donatis, in adulta tricruris, l. tripartita, partitione media pinnatisecta, segmentis subdistinctis haud remotis, elongato-oblongis, acuminato-cuspidatis, inferne obtusatis, patentissimis, pseudoneuro manifesto nullo; partitionibus lateralibus, segmentis tantum 2-bus consti-

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tutis costa brevi inaequilonga affixis. Inflorescentia pedalis, livide-purpurans. Spatha angusta 7-8-pollicaris. Spadicis spica feminea dimidia spathae dorso accreta. Ovaria glauco-virentia. Stylus sordide purpureo-striato-maculatus. Stigma 3-5-partitum, partitionibus bifidis 6-10-radiatum, album. Staminodia circum ovaria saturate-purpurea, vertice pallida. Synandrii stipes compressus, kermesinus, pelta pallide-flavida, umbone dilutius kermesino, loculis pallide-flavidis. — Brasilia, S. Paulo. — *v. v.*

*Synon.* ? Caladium lividum. Lodd.
? Philodendron luridum. Knth.
Asterostigma Langsdorffii. C. Kch.
?? Staurostigma odorum. Scheidw.

*Observ.* Tuber stoloniferum. Folium solitare.

2. **Tweedieanum.** *S. (Oest. Bot. Zeitschr. 1859. p. 39.)* — Petiolus . . . . . Lamina fol. adultae tripartita, partitione media pinnatisecta, segmentis angustissima diachymatis portione confluentibus, remotiusculis, anguste-lanceolatis, longe-acuminatis, inferne cuneatis, patentissimis, pseudoneuro manifesto nullo; partitionibus lateralibus latere superiore subpinnatisectis, segmento subsolitario, latere inferiore pinnatifidis, laciniis subtribus. Inflorescentia sub-9-pollicaris. Spatha tripollicaris. Spadicis spica feminea tota libera. Ovaria 3-4-locularia. Stigma 5-lobum, lobis triangularibus. . . . . .

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— Brasilia, St. Catharina. Tweedie. — *v. s. in Herb. Hooker.*

3. **Pavoni.** *S.* Petiolus *ultra* 9 pollices longus. Lamina fol. adultae pinnatisecta, segmentis lanceolato-oblongis l. oblongis, longe-acuminatis, basi cuneato-obtusatis, pseudoneuro apicali haud manifesto, interrupto. Spatha $2^1/_2$-pollicaris, lanceolata, subulato-cuspidata. Spadix subliber. Stigmata 5-loba, lobis triangularibus. — Peruvia? — *v. s. ex Herb. Pavoni nunc Boissieri.*

   *Observ.* Flores incompleti, e staminodiis consociatis absque ovarii rudimento, inter spicam femineam et masculam plures.

4. **Vellozianum.** *S. (Synops. I. p. 126. 1856.)* — Folii petiolus validus, elatus, variegatus. Lamina fol. adultae subtripartita; longitudine 18-21-pollicari, latitudine sub 16-pollicari, segmentis infimis subansatis nempe interdum pinnatifidis l. pinnatisectis, reliquis et praecipue apicem versus confluentibus, valde approximatis, gradatim minoribus magisque connexis, oblongis, apice acuminatis l. abrupte-cuspidatis, basin versus cuneatim sensimque angustatis, margine repandis l. lacinulatis, pseudoneuro margini approximato. Inflorescentia exaltata. Spatha oblongo-lanceolata, sub-4-pollicaris. Spadicis spicae femineae et masculae contiguae. Stigma 5-lobum, lobis triangularibus . . . . . — Brasilia. Flor. Blum. — *v. fol. in Herb. Hooker.*

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5. **Luschnathianum.** *S. (Syn. I. p. 126. 1856.)* — Petioli 15-20-pollicares, in costas usque variegati. Lamina fol. tripartita, partitione media pinnatisecta, segmentis subremotis, oblongis; cuspidato-acuminatis, inferne cuneatim obtusatis, patentissimis, pseudoneuro in ipso margine; partitionibus lateralibus saepe longe-ansatis, subpinnatifidis segmento infimo interdum, latere interiore exstructo. Inflorescentia pedunculo sub-18-pollicari. Spatha 4-5-pollicaris lanceolata. Spadicis spica feminea ad medium usque spathae dorso adnata cum mascula longiore contigua. Ovaria trilocularia. Stigma trilobum, lobis triangularibus. — Brasilia. — *v. s. in Herb. Monacense.*

*Synon.* Arum Dracontium. Flor. Flum. (fide specim. a Beatis. Leandro communic. in Herb. Hafniense asservato).

**RHOPALOSTIGMIUM.** *S.* Spatha hians. Spadix inferne femineus, superne masculus. Ovaria staminodiis brevibus tribus sepaloideis circumvallata, bi-tri-locularia, loculamentis uniovulatis abrupte in stylum brevem producta, stigmate bi-tri-partito, partitionibus teretiusculatis, longulis, transverse stylo impositis. Synandria fungiformia.

Folium subcoaetaneum. Pedunculi e vagina petiolari plures.

1. **Riedelianum.** *S. (Oest. Bot. Zeitschr. 1859. p. 39.)* — Petiolus exaltatus, maculato-va-

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riegatus. Lamina fol. tripartita, partitione intermedia seu principali, alterne pinnatisecta, segmentis lineari-oblongis, apice abrupte-cuspidatis, inferne subcuneatis, partitionibus lateralibus sub-pinnatipartitis, segmentis 2-3, omnibus absque pseudoneuro manifesto. Pedunculi longi immo praelongi folio tamen breviores, variegati, tenues. Spatha lanceolata, cuspidata, 4-pollicaris. Spadix myosuroideus, mascula parte quam feminea arcte contigua, longiore. — Brasilia, Ilheos. Riedel. — *v. s. in Herb. Hort. Petropol.*

**ANDROMYCIA.** La Sagra. Spatha oblongo-lanceolata. Spadix inferne femineus, superne masculus. Ovaria staminodiis brevibus, depresso-gibbosis cincta, trilocularia, loculamentis uniovulatis, stylo brevissimo, stigmate tripartito, partitionibus lanceolato-linearibus, arcuatim surgentibus apice patentissimis. . . . . .

1. **Cubensis.** La Sagra. *(Flora Cubens. t. 89.)* Folii lamina pedati-5-secta, segmentis ovatis acuminatis, margine crispulis, inferne angustatis, pseudoneuro margini approximato. Pedunculus 5-6 pollices longus, vaginis sub-4 circumvolutus. Spatha 4-4½ pollices longa. Flores masculi remoti, pelta alte-umbonata. — Cuba. La-Sagra.

**Tribus Spathicarpeae.** *S.* Spatha persistens. Spadix spathae dorso ex toto accretus. Flosculi feminei et masculi in series longitudi-

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nales coordinati, feminei externas, masculi internas series occupantes. Ovaria staminodiis cincta. Ovula basifixa erecta orthotropa, breviter-funiculata. Synandria stipitata. Semen albuminosum.

Herbae tuberosae, foliis proteranthiis.

**SPATHICARPA.** Hooker. Ovaria unilocularia, uniovulata, in stylum conoideum attenuata, stigmate obtuso, subcapitato terminata. Synandrii loculi breves, appensi sub vertice, poriformc apcricntes. Pollen in farciminulis expulsum. Bacca minuta.

Folii lamina sagittato-hastata, pseudoneuro triplici. Pedunculi foliis multo longiores.

1. **hastifolia.** Hooker. *(Bot. Misc. II. p. 147. t. 77. 1831.)* — Folii lamina tripartita, partitionibus basi contracte-augustatis, media ovata, acuminata, latiuscula, lateralibus subhorizontaliter porrectis, ovato-lanceolatis, l. lanceolatis, obtusulis, apiculatis, antico duplo brevioribus, pseudoneuro intimo e venis costalibus inferioribus exorto, venis interlobariis nullis. Spatha praecipue medio organifera, apice per longum spatium nuda. — Uruguay. Baird. — *v. s. in Herb. Hook.*
2. **sagittifolia.** *S. (Bonpl. 1858. p. 124.)* — Folii lamina sagittata, lobo antico ovato-lanceolato, subelongato, posticis retrorsis, patentibus, obtusis, antico multo, saepe multoties brevioribus, pseudoneuro intimo e venis interlobariis exserto. Spatha spatio

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nudo apicali breviore. Brasilia, Ilheos. Riedel. — *v. s. in Herb. plurim.*

3. **Gardneri.** *S. (Bonpl. 1858. p. 124.)* — Folii lamina ex sagittato angulato-ovata, lobis posticis vix manifestis, pseudoneuro intimo e venis *costalibus inferioribus*, medio e venis interlobariis. Spatha basi et apice spatio nudo brevi. — Brasilia, Piauhy. Gardner. — *v. s. in Herb. Hooker.*

4. **Tweedieana.** *S. (Bonpl. 1858. p. 124.)* — Folii lamina *cordato-sagittata*, late-ovata, apice subrotundata, breviter subulato-apiculata, basi lobis posticis antico triplo brevioribus, late rotundato-obtusatis, approximatis, *pseudoneuro intimo* e venis interlobariis, saepe venis costalibus *confluentibus* aucto, medio e costulis posticis exorto. Spatha spatio nudo apicali valde longo. — Brasilia, S. Paulo. Tweedie. — *v. s. in Herb. Hooker.*

Obscura.

5. **Bridgesii.** *S. (Bonpl. 1858. p. 124.)* — Bolivia. Bridges. *non visa?*

**SPATHANTHEUM.** *S.* Spadix ex toto spathae accretus, inferne floribus femineis, apice masculis tantum onustus, medio serietim androgynus. Flores feminei distantes, staminodiis 5-8 tereti-clavatis, brevibus cincti, sensim in stylum elongatum *producti*, *stigmate* peltato, 6-8-partito, partitionibus linearibus, obtusis coronati. Ovaria 6-8-locularia, loculamentis

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uniovulatis, ovulo ex axeos ima parte exserto, longule-funiculato. Flores masculi sive synandria longe-stipitata, loculis linearibus ex toto circum apicem connectivi communis, vertice convexo ex peltato 5-7 lobato-sulcato, adnatis, rima longitudinali aperientibus. Semen ellipsoideum, apice subattenuatum.

1. **Orbignyanum.** *S. (Bonpl. 1859. p. 165.)* Folia . . . . . Pedunculus firmulus 7-8 pollices longus. Spatha oblongo-lanceolata, acuminata, tripollicaris, pollicem et ultra lata (expansa!). Spadix mediam spatham aequans l. superans, flosculis copiosis $1^1/_2$-2 lineas longis obsitus. — Habit. . . . . — *v. s. inflorescentias in Herb. Candollii.*

***B.* Filamentatae.** Antherae filamentis manifestis sustentae.

**Tribus Stylochitoneae.** *S.* Flores feminei et masculi perigoniati.

**STYLOCHITON.** Leprieur. Spatha basi in tubum concreta. Spadix interrupte-androgynus. Flores feminei: ovario cupula perligonioidea ex toto obtecto, 2-3-4-∞?-loculari, loculamentis biovulatis, stylo e perigonio exserto, stigmate depresso-hemisphaerico. Flores masculi: urceolo perigonoideo instructi, stamina et ovarii rudimentum praebentes, filamentis filiformibus, longis, antheris bilocularibus, basifixis, longitudinaliter aperientibus.

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Rhizoma stoloniferum. Lamina fol. subhastata. Inflorescentia subhypogaea.

1. **Natalense.** *S. (Aroideae I. p. 10. t. 14. 1855.)* Spathae lamina tubo multo longior. Ovaria ex axi horizontaliter exserta. Filamenta quam anthera multo longiora. — Port-Natal. Gueinzius. — *v. s. in plur. Herbar.*
2. **hypogaeum.** Leprieur. *(Nouv. Ann. sc. nat. II. 184. t. 5. 1834.)* — Spathae lamina tubo multo brevior? — Ovaria circum axim arrecte-adnata et connata. Filamenta antheram aequantia. — Senegambia. — Leprieur. —

## II. Monoclines.

**Tribus Calleae.** *S.* Gymnanthae, sepalis orbatae. Ovula anatropa. Filamenta leviter-complanata, abrupte in connectivum breve, tenue, acutata.

**SUBTRIBUS CALLINAE.** *S.* Spatha vegeto-persistens. Spadix apice flosculis incompletis, masculis obsitus. Stamina 6. Ovarium uniloculare, 6-9-ovulatum, ovulis fundifixis. Antherae effoetae subpeltatim impositae. Baccae maturitate integrae, epicarpium non abjicientes.

**CALLA.** *L.* Spatha explanata. Ovula erecta, extrorsum anatropa. Stigma stylo brevi conico impositum. Semina albuminosa.

Herba paludosa amans.

1. **palustris.** *L.* Rhizoma repens l. pronatans. Folii lamina subcordata, cuspidata. Vagina

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petiolaris apice ligulare-libera. Pedunculi solitarii. Spatha alba. Spadix luteus Baccae rubrae. — Europa, Asia et America borealis — *v. v. spontan.*

Excludendae.

**Calla angustifolia** Jack. = Chamaeclad. angustif. *S.*

**Calla humilis** Jack. = Chamaeclad. humile Miquel.

**Calla nitida.** Jack. = Aglaonema nitida Knth.

**Calla oriental.** Gron. = Isch. Carsaami. *S.*

**SUBTRIBUS MONSTERINAE.** *S.* Spatha ad basin usque aperta, tubo indistincto, tandem decidua. Spadix inferne flosculis subinfertilibus onustus. Stamina 4. Antherae loculis rima laterali abbreviata basin non attingente aperientibus, connectivo subulato longioribus. Ovarium (incomplete-) bi- tri-pluriloculare, loculamentis 2-4-∞-ovulatis, ovulis septorum in axin subjunctorum aciebus exsertis. Antherae effoetae quasi posticae. Baccae epicarnii cacumen crassum operculi in modum abjicientes.

**STENOSPERMATIUM.** *S.* Spadix stipitatus, flosculis infimis fertilibus. Ovaria bilocularia, ovulis 4 subfundifixis in quoque loculamento, anatropis, longule-funiculatis. Stigma breviter pulvinulare vix exacte axeos spadicis directione. Baccae omnes seminigerae, parvulae, infimae minimae. Semina funiculis lon-

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gulis affixa, clavato-cylindrica, erecta, tenuia. Albumen copiosum.

Plantae humiles terrestres assurgentes. Petioli longi, vagina persistente aucti. Lamina fol. integerrima, venis venastris venulisque tenuissimis numerosis, in marginem excurrentibus. Pedunculi elongati.

1. **Popayanense.** *S. (Oestr. Bot. Ztschr. 1859. p. 39.)* — Petioli 6-8-pollicares, vaginae apice a geniculo distante. Lamina fol. elliptico-oblonga, 10-11 pollices longa, 3 pollices lata, basi obtusata, apice acuminata. Pedunculus folio suffulciente brevior, firmus, sub-8-pollicaris. Spadix juliformis, $2^1/_2$-pollicaris, stipite 3-lineari. — Peruvia. — *v. s. in Herb. Hooker.*
2. **Spruceanum.** *S. (Gen. Aroideae. 1858. 70. — Oestr. Bot. Ztschr. 1859. p. 40.)* — Petioli 7-9-pollicares, vagina a geniculo longe distante, (folii suffulcientis pedunculo minoris, ad geniculum usque producta). Lamina fol. oblonga, inferne subangustata, sub-9-pollicaris, vix pollices 3 lata, basi repentino angustata, imo acuto, apice subacuminata. Pedunculus firmulus, folio suffulciente multo longior, sub-10-pollicaris. Spadix sesquipollicaris l. vix bipollicaris, juliformis, stipite trilineari. — Brasilia Spruce. — *v. s. in Herb. Bentham.*
3. **Mathewsii.** *S. (Genera Aroid. 70. 1858. — Oestr. Bot. Zeitschr. 39. 1859.)* — Petioli 3-4-pollicares, vagina geniculum petente.

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Lamina fol. oblongo-elliptica, 3-5-pollicaris, latitudine sesquipollicaris, basi obtusata, apice acuminata. Pedunculus folio suffulciente longior, tenuis. Spadix juliformis, subbipollicaris, stipite bilineari. — Peruvia. Mathews. — *v. s. in Herb. Hooker.*

4. **amomifolium**. *S.* Petioli 3-4-pollicares, vagina ad geniculum vix producta. Lamina fol. lanceolato-oblonga, 6-9 pollices longa, $1\frac{1}{2}$-2 pollices lata, basi sensim cuneate-angustata, apice cuspidato-acuminata. Pedunculus 6-pollicaris, vagina suffulciente longior. Spadix juliformis, pollicaris, stipite sesquilineari. Baccae, forte abortu, loculamentis trispermis. — Peruvia. Poeppig. — *v. s. in Herb. Poeppig.*

*Synon.* Monstera amomifolia. Poepp. + Endl.

**ATIMETA**. *S.* Spadix stipitatus, ad basin mere femineus, (flosculis staminibus carentibus). Ovaria bilocularia, ovulis pluribus superposite axifixis in quolibet loculamento, anatropis, longule-funiculatis. Stigma longule-pulvinare, axeos spadicis directione.

Scandentes, radicantes. Folia disticha. Petioli longi, vagina persistente. Lamina fol. integerrima, venis plurimis vix remotiusculis, venastris venulisque numerosis in marginem excurrentibus. Pedunculi praelongi solitarii. Spatha extus viridula, intus albida.

1. **Videniana** *S. (Genera Aroid. 71. 1858.)* — Petioli sub-8-pollicares, ad geniculum usque haud vaginati. Lamina fol. elliptica,

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13-14 pollices longa, sub-5 pollices lata, basin versus linea arcuata angustata, imo cuneato, apice cuspidato-acuminata, venis plurimis, aperte-patentibus. Pedunculus elongatus, 10-12-pollicaris. Spatha late-ovata, $4^1/_2$ pollices longa, 3 pollices circiter lata, basi rotundate angustata, apice abrupte longe cuspidata. Spadix juliformis, cum stipite $^3/_4$ pollicari pollices sub 5 longus. — Brasilia, Ilheos, (Princeps Videnses) *v. s. in Herbar. Monacense.*

2. **Martii.** *S. (Genera Aroid. 71. 1858.)* — Petioli 10-11-pollicares, ad geniculum usque haud vaginati. Lamina folii oblanceolato-elliptica, 14-15 pollices longa, sub-4 pollices lata, basin versus ex longo, linea levissime curva angustata, imo cuneata, apice repentius angustata, subabrupte longule-cuspidata, venis plurimis, aperte-patentibus. Pedunculus elongatus, sub-10-pollicaris. Spatha . . . . . Spadix juliformis, cum stipite pollicari pollices 5 longus. — Brasilia. Pará. Martius. — *v. s. in Herb. Monacense.*

**RHODOSPATHA.** Poepp. Spadix stipitatus, ad basin usque floribus utriusque sexus, fertilibus obistus. Ovaria bilocularia, ovulis plurimis superposite-axifixis in quolibet loculamento, anatropis, longule-funiculatis. Stigma longulo-pulvinare, axeos spadicis directione. Baccae parvulae. Semina rotundato-reni-

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formia, embryone hypocrepico, albumine parco.

Scandentes, radicantes. Folia potius sparsa. Petioli vagina ad apicem fere producta, marcescenti-secedente, induti. Lamina fol. integerrima, venis plurimis subapproximatis, cum venastris et venulis in marginem excurrentibus. Pedunculi longi, plures ex una axilla. Spatha primum flavida tandem rosea.

1. **heliconiifolia**. *S. (Oesterr. Bot. Zeitschr. p. 317. 1858.)* — Petioli pedales, juvenculae semipedales, in geniculum usque vaginati. Lamina fol. oblonga, l. oblongo-elliptica, 10-15-18 pollices longa, 4-6-9 pollices inferne lata, basi abrupte subrotundate-contracta imo in geniculum cuneatim decurrens, apice arcuata linea angustata et subabrupte breviter cuspidata, venis plurimis patentibus l. aperte-patentibus. Pedunculi dimidium petiolum fulcientem metientes, vagina illius magna l. maxima parte obvoluti, 5-6 pollices longi. Spatha pedunculo subaequilonga, lanceolato-oblonga, longe-acuminata, mox reflexa, decidua, extus flavida, intus rosea. Spadix cum stipite pollicari, flavido 7-pollicaris, roseus, fusiformis, diametro infimo $^3/_4$-pollicari. — Habit. . . . . *v. v. cult.*
2. **Poeppigii**. *S. (Genera Aroid. 72. 1858.)* — Petioli 8-9-pollicares, in geniculum usque vaginati. Lamina fol. elliptico-oblonga,

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9-12 pollices longa, $3^1/_2$-$4^1/_2$ pollices inferne lata, basi rotundata, imo in geniculum subcuneato, apicem versus sensim leviterque arcuatim angustata, leviter-cuspidata, venis plurimis aperte-patentibus. Pedunculus sub-4-pollicaris, vagina petiolari maxima parte obvolutus. Spatha .... Spadix cum stipite semipollicari, 5-6-pollicaris, cylindroideo fusiformis. — Peruvia. Poepp. — *v. s. in Herb. Poepp.*

3. **latifolia** Poepp. *(Nov. Gen. et Sp. III. p. 9. t. 300. 1845.)* — Petioli 12-14 pollices longi folii pedunculigeri ad apicem non vaginati. Lamina fol. late-elliptica, sesquipedalis longitudine, pedalis et ultra latitudine basi abrupte-rotundata, imo vix cuneato, apice quoque rotundata, proportione brevissime cuspidata, venis valde plurimis, aperte-patentibus. Pedunculi sub-5-pollicares. Spatha ovali-oblonga, acuta, 8 pollices longa, aperta diametro tripollicari, pulchre et pallide-rosea. Spadix stipite 4-lineari 5-6-pollices longus, saturate-violaceus, fusiformis. — Peruvia. Poeppig. — *v. s. in Herb. Poepp.* — R. latifolia fide Engl.

4. **Lechleriana**. *S.* — Petioli 15-24-pollicares. — Lamina fol. oblongo-elliptica, 14 pollices longa, vix 5 pollices lata, basi abrupte-rotundata, imo brevissimo cuneato, apice quoque rotundata, abrupte cuspidato-apiculata, venis plurimis remotioribus aperte-patentibus. Pedunculi tripollicares

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et ultra. Spatha 9-10 pollices longa, apice longissime subulato-cuspidata. Spadix cum stipite brevissimo sublineari $5^1/_2$ pollices longus, fusiformis. — Peruvia. Lechler. — *v. s. in Herb. Hooker.*

5. **oblongata** Poepp. *(Nov. Gen. et sp. III. p. 91. 1845.)* — Petioli 15-pollicares, in geniculum usque vaginati. Lamina fol. oblonga, 15 pollices longa, $4^1/_2$ pollices lata, basi linea arcuata cuneata, apice acuminata, venis plurimis arcuate-patentibus. Pedunculi 5-pollicares. Spatha rosea. Spadix cylindricus? violascens, 8-pollicaris. — Peruvia. Poeppig.

**ANEPSIAS.** *S.* — Spadix stipitatus, inferne flosculis minoribus, tamen utriusque sexus obsitus. Ovaria 2-4-5-6-locularia, ovulis pluribus, superposite-axifixis in quolibet loculamento, anatropis, longule-funiculatis. Stigma longule-pulvinare directione vaga. . . . . .

Scandens, adradicans. Petioli ad apicem vaginati, vagina persistente? Lamina fol. integerrima, venis remotiusculis, cum venastris venulisque in marginem excurrentibus, ramulis oblique transversantibus connexis. Pedunculus longus solitarius? Spatha externe flavens.

1. **Moritzianus** *S. (Gen. Aroid. 73. 1858.)* — Petioli pedales, in geniculum usque vaginati. Lamina fol. oblongo, 12 pollices et ultra longa, $5^1/_2$ pollices inferne lata, basi abrupte rotundata, imo subcuneato, apice

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sub-repentino angustata cuspidate-acuminata, venis remotioribus interjectis venastris venulisque patentibus. Pedunculus sub-5-pollicaris. Spatha 6 pollices longa, apice longe-cuspidata. Spadix cum stipite semipollice breviori, 5-pollicaris, fusiformis. — Venezuela. Moritz. — *v. s. in Herb. Vind.*

**TORNELIA.** Gutierez *(vide Schlechtdl. Linnaea. XXVI. p. 382. 1853.)* — Spadix sessilis, ad basin floribus sterilibus (gynandris) hermaphroditis obsitus. Pistillum fertile vertice centrum versus exsculpto-concavatum, margine, annulo crassiusculo, crenato obvallatum; stylo manifeste nullo, stigmate protuberantiae verticis centri insidente, linearepulvinulato, axeos directione. Ovarium biloculare; loculamentis biovulatis, ovulis in fundo cavitatis, funiculo brevissimo axi affixis anatropis. Pistillum sterile minus, vertice planum, stylo nullo, stigmate e rima gutta hemisphaerica obtecto, ovario 2-loculari; loculamentis 2-ovulatis in fundo cavitatis septo annexis quoque anatropis. Stamina florum fertilium pistilla superantia, florum sterilium iis multo breviora. Baccarum epicarpii cacumina leviter cohaerentia velleris adinstar abjecta.

Frutices scandentes, adradicantes, ramorum gemmis supra- et extra-axillaribus; rami foliis expletis tantum, flagella vaginis albidis, mucrone virenti terminatis, deciduis, obsessi. Petioli adultae ex toto vaginati, vagi-

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na alba secedente, marcescenti-decidua. Folii lamina pinnatisecta, foraminibus praedita. Pedunculi extra-axillares, plures.

1. **fragrans.** Gutierez *(vide Linnaea XXVI. p. 382.)* — Petioli validi, longi, ad geniculum usque vaginati, vagina alba mox decidua, dorso dense verrucosi. Geniculum crispato-marginatum, leviter-verruculosum, longulum. Lamina fol. ambitu late-ovata, basi profundiuscule-cordata, manifeste inaequilatera, ad medium tractum cujusvis lateris et saepe ultra pinnatifida, juxta costam foraminulis utplurimum duplici serie dispositis ornata, laciniis mediis apicalibusque quasi truncatis, latere superiore in acumen productis, infimis longe-acuminatis. Venae crassae, infimae divergentes, omnes apice deliquescentes, acuminis medium non petentes. Pedunculi longi, quoad petiolum breves, verrucosi, plures ex una axilla. Spatha crasse-coriacea, profunde cymbiformis, magna, minutissime apiculata, marcescenti-decidua. Spadix subcylindricus, spatha paulo brevior, infima parte floribus sterilibus, heteromorphis, reliqua fertilibus obsitus. — Mexico. — *v. v. et s.*

*Synon.* Monstera deliciosa. Liebm.
Monstera Lennea. C. Kch.
Monstera (Coriospatha) Lennea. C. Kch.

2. **Sprucеana.** *S. (Oest. Bot. Zeitschr. 40. 1859.)* — Petioli 12-14 pollices longi, vagina de-

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cidua, laeves. Geniculum haud crispato-marginatum, laeve, longulum. Lamina fol. ambitu elliptico-oblonga, basi rotundata, imo brevissime-cuneato, subaequilatera, ad apicem foraminibus a costa fere in marginem usque protensis, utrinque 4-5, latis, interdum ruptura l. diremtione marginis limbi in segmenta basi apiceque aequilata, margine inferiore rectilinea, superiore subulate sursum acuminata divisa, et tunc pinnatisecta, apice rotundato brevissime apiculata, absque foraminulis minoribus. Venae apertissime patentes, 3-4 segmenta parallele transientes, marginem, haud acumen petentes. Pedunculus 4-5 pollices longus, laevis, solitarius? — Spatha . . . . . Spadix cylindricus, 1½ pollices crassus, albidus infima parte floribus sterilibus heteromorphis, stigmatibus vage-directis, reliqua parte floribus fertilibus obtectus. — Brasilia, Rio-negro. Spruce. — *v. s. in Herb. Hooker.*

3. **dissecta.** *S. (Oesterr. Bot. Zeitschr. p. 179. 1858.)* — Petioli 8-9-pollicares, ad apicem vagina secedente? induti, laeves. Geniculum breve, laeve. Lamina fol. oblique-ovata, cuspidato-acuminata, basi uno latere rotundata, imo brevissimo cuneato, inaequilatera, ad apicem fere pinnatisecta, segmentis inaequalibus 2-3-4, basi apiceque aequilatis, margine inferiore rectilineis, superiore subulate sursum acuminatis, foraminulis nullis.

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Venae patentes, vix aperte-patentes, 2-3-4 segmenta parallele in marginem percurrentes. Pedunculus 4½-pollicaris. Spatha late-ovata, 5 pollices longa, 2½ pollices (expansa) lata. Spadix cylindricus, vix ultra 2 pollices longus, 8 lineas crassus, floribus sterilibus heteromorphis, stigmatibus rotundatis, reliquis fertilibus tectus. — Costa-rica. Wendland. — *v. s. in Herb. Wendl.*

4. **laniata.** *S. (Oest. Bot. Ztschr. p. 179. 1858.)* — Petioli sub-7-pollicares, ad apicem vagina secedente? — aucti, laeves. Geniculum breve? laeve. Lamina fol. oblique-ovata, valde inaequilatera, apice breviter cuspidata, basi rotundate-obtusata, levissime cordato-emarginata, imo in vaginam fere cuneato, ad apicem pinnatisecta et juxta costam foraminulis hinc inde praedita, segmentis inferne angustioribus, apicem versus sensim dilatatis, latere inferiore rectilineis, latere superiore in acumen fere subula terminatum, sursum curvum, desinentibus. Venae patentes, plerumque solitariae in segmentis 6-10, irregulariter distributae. Pedunculus 5-6-pollicaris. Spatha. . . . . Spadix cylindricus, sub-bi-pollicaris, 6-7 lineas crassus, floribus sterilibus heteromorphis, fertilibus generis. — Costa-rica. Oersted, Hoffmann. — *v. s. in Herb.* Oersted, *et Herb. G. Berol.*

5. **dilacerata.** *S.* Petioli ad apicem vaginati, vagina marcescenti, decidua, 6-8 pollices et

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ultra longi, laeves. Lamina fol. ambitu late oblonga, modice-inaequilatera, basi utrinque rotundata et rectangulo geniculo longiusculo l. longo annexa, apicem versus repentino- (uno latere magis) in cuspidem sat longum angustata, juvenculae integerrima, adultae uno l. altero aut utroque latere pinnatisecta, segmentis inaequalibus, saepe inferne latioribus, sursum curvulis, latere inferiore rectilineis, superiore in acumen subulate terminatum productis. Venae patentes plerumque solitariae, in segmentis 6, irregulariter locatae. . . . . Habit.? . . . . .? — *v. v. s. fl.*

*Synon.* Philodendron dilaceratum. Hort.
Scindapsus dilaceratus, C. Kch.
Monstera dilacerata. C. Kch.

D u b i a.

6. **subpinnata.** *S.* Petioli in planta juvencula in medium l. ultra medium vaginati, vagina decidua. Geniculum longulum. Lamina fol. quasi impari-pinnata, partitionibus l. segmentis remotis, 3-bus quatuorve utrinque, lanceolatis, longe-acuminatis, basi angustatis, angustissimo diachymate costae principalis conjunctis. Venae segmentorum solitariae l. raro binae, deliquescentes, venulis e vena exortis 2-4 longitudinaliter procurrentibus comitatae, pariter deliquescentibus. — Peruvia. Poeppig. — *v. s. folia in Herb.* Poepp.

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**ALLOSCHEMONE**. *S.* — Spatha cymbiformis, ad medium usque convoluta, apice hians, spadicem adaequans. Spadix sessilis, cylindricus. Flores dodecandri? Ovaria unilocularia, ovulo solitario basifixo, erecto. Stigma sessile, verruca disci oblonga.

Petioli teretiusculi, basi breviter incrassata vaginantes, caeterum nudi nec alati. Lamina fol. pinnatipartita l. pinnatisecta.

1. **Poeppigiana**. *S.* Lamina fol. latissime ovata, inferne leviter-cordata, coriacea, partitionibus lateralibus 5-7 utrinque, oblongis, subfalcatis, acutis, 8-10 pollices longis, $2^1/_2$-3 pollices latis, terminali late-rotundata, breviter cuspidata. Venae in segmentis l. partitionibus solitariae, mediae, apertissime patentes, venulis copiosis subparallelis, approximatis, patentibus, in pseudoneura margini valde approximata anastomosantes. Spatha extus candida intus rosea. — Brasilia. Poeppig. — *v. f. s. in Herb.* Poeppig.

*Synon.* Scindapsus occidentalis. Poepp.
Monstera (Cymbospatha) occidentalis. C. Kch.

*Observ.* Caudex simplex radicans, rarissime ramulis nonnullis terminatus, internodiis longis. nodis distantibus. Folia maxima.

**MONSTERA**. Adanson. Spadix sessilis, inferne flosculis sterilibus femineis staminum rudimentis tantum comitatis, reliqua parte flo-

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sculis hermaphroditis fertilibus onustus. Pistillum fertile vertice hebetato-convexo, stylo brevi conico (in flosculo virgineo) manifesto, serius contractione evanido, stigmate oblongo-pulvinari, directione haud exacte spadicis axeos, ovario biloculari, loculamentis biovulatis, ovulis, brevissime funiculatis, ad imam septi basin affixis, anatropis. Pistillum sterile ovario biloculari, ovulis orbato, stigmate magis depresso, praeditum, rudimentis conicis brevissimis staminum cinctum. Stamina florum fertilium pistilla vix superantia. Baccae coadunatae, epicarpia conglutinata quasi connexe abjicientes, endocarpia semina compresse-ovoidea in mucilagine nidulantia exalbuminosa obvestientia, relinquentes. Embryo macropodus.

Scandentes, gemmis paulo supra- et serius extraaxillaribus; rami foliis expletis, flagella vaginis praedita. Petioli vagina vegeto-persistens. Lamina fol. integerrima l. foraminibus instructa immo pinnatisecta.

1. **modesta.** *S. (Gen. Aroid. p. 75. 1858.)* — Petioli ultra geniculum medium vaginati. Geniculum longulum. Folii lamina ovato-oblonga, acuminata, modice inaequilatera basi utrinque subarcuate-cuneata, foraminibus in uno l. altero l. in utroque latere nonnullis, interdum et nullis, venis erecto patentibus 5-7. Pedunculi breves, plures ex una axilla. Spatha acuminate acutata. Spadix oblongo-cylindroideus, spathae dimi-

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dium paulo superans, infima parte mere femineus. Stylus brevis manifestus, conico-cylindricus. Stigma aurantiacum. — Mexico australis. S. — *v. v. cult.*

2. **Karwinskyi.** *S. (Oest. Bot. Zeitschr. p. 99. 1859.)* — Petioli in geniculum usque vaginati. Geniculum longulum. Folii lamina oblonga l. oblongo-elliptica, acuminata l. breviter acutata, sesquipedalis, pollices 10-11 lata, modice inaequilatera, inferne rotundata et imissima basi vix brevissime cuneatim contracta, foraminibus lateris uniserialibus sub-6, majusculis, elongatis, costae magis quam margini approximatis, lateris angustioris paucioribus. Venae apertissime patentes, utrinque 8-9. — Mexico. Karwinsky. — *v. s. f. in Herb.* Horti Petropol. *et* Liebmannii.

3. **Friedrichsthalii.** *S. (Bot. Wochenbl. 1854. p. 65.)* — Petioli ad geniculum elongatum usque vaginati, 10-pollicares. Lamina fol. pedalis, ovato oblonga, ex imo lato sensim oblique-angustata, valde-inaequilatera; 5-6 pollices lata, latere latiori altero saepe duplo latiori, basi utrinque rotundata et ima basi repanda in cuneum geniculo defluentem brevissimum angustata, apicem versus sensim acuminata, foraminibus crebris, biserialibus, aliis minutis, numerosioribus juxta costam, aliis extensis cum minoribus in eodem intervenio, marginem versus dispositis, venis utrinque sub-9, aperte paten-

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tibus. Pedunculi subsolitarii, tenues, longuli, tamen petiolo multo breviores. Spadix ultra 4 pollices longus, crassitie semipollicari. — Guatemala. Friedrichsthal. — *v. s. in Herb. Mus. Vindob.*

4. **crassifolia.** *S. (Oest. Bot. Zeitschr. 1859. p. 40.)* — Petioli ad apicem fere usque vaginati, 15-pollicares. Geniculum longulum. Lamina fol. crassula, coriacea, oblongo-elliptica, modice-inaequilatera; 15-16 pollices longa, 7-8 pollices lata, basi hinc rotundata, illinc latere angustiore, cuneata, in geniculum haud angustata, apice subrepentino angustata et cuspidato-acuminata, foraminibus l. nullis l. paucissimis, costae approximatis, modicis, venis patentibus, 7-9-11, crassis. Spatha oblonga, longe-acuminata, pedalis, intus pallide-flava. Spadix cylindroideus, 15 lineas crassus, mediam spatham haud superans. Stigmata aurantiaca. — Venezuela. S. — *v. v. cult.*

5. **Jacquini.** *S. (Oesterr. Bot. Wochenbl. 1854. p. 66.)* — Petioli ad apicem fere usque vaginati. Geniculum pollicare, anguste-marginatum. Lamina fol. ovata l. oblongo-ovata, acuta, 17 pollices longa, 8 pollices inferne lata, modice inaequilatera, basi hinc rotundata, illinc repentino arcuate-angustata, imo breviter in geniculum cuneato, foraminibus inaequalibus, subbiserialibus, aliis costae approximatis minoribus, aliis a costa remotioribus in medio tractu circiter

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laminae dimidiatae, in intervenio solitariis, venis 9-12, hinc fere patentissimis, crebrioribus, illinc patentibus. Pedunculus brevis. Spatha breviter-apiculata. Spadix oblongo-cylindroideus, spatha modice brevior. Stylus breviter-conoideus. Stigma aurantiacum. — Caracas? — *v. v. cult.*

*Synon.* Dracontium pertusum. Jacq.
Monstera Adansoni. Hortor.

6. **Adansonii.** *S. (Oesterr. Bot. Wchnbl. 1854. p. 65.)* — Petioli ad medium l. ultra vaginati. Geniculum crispato-marginatam, breve. Lamina fol. late ovato-oblonga, modice inaequilatera, basi utrinque rotundata, vix geniculo cuneatim juncta, apice subacuta, foraminibus extensis, inaequalibus, inter costam et marginem plerumque mediis, in intervenio solitariis, dispositione fere subbiserialibus, aliis nempe costae, aliis margini magis approximatae, venis sub-10, inferioribus utrinque patentissimis. Pedunculus brevis. Spatha oblonga, acuminata, 10-11 pollices longa, spadicem multo superans. — Martinica. Plumier.

*Synon.* Dracontium pertusum. L.

7. **macrophylla.** *S.* Petiolus 22-23 pollices longus, ad apicem usque vaginatus. Geniculum longum, sesqui-pollicare. Lamina fol. elongato oblongo-elliptica, 22-23 pollices longa, 9-10 pollices lata, modice inaequilatera, apice rotundato cuspidato-apiculata, inferne hinc rotundata, illinc linea arcuata

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subrepentino angustata, imo cuneatim in geniculum producto, foraminibus subuniserialibus, latere latiore magnis, semilaminae tantum medium occupantibus, latere angustiore minoribus, costae magis approximatis, rarissime 2 in eodem intervenio superpositis, venis 12-13, aperte-patentibus. Spatha 6-8 pollices longa, longe-acuminata. — Guadelupa Perotet. — *v. s. in Herbar. Mus. Vind.*

8. **pinnatipartita.** *S. (Oestr. B. Wochbl. 1857. p. 197.)* — Folii lamina ambitu oblongo-ovata sive oblonga, pinnatisecta, basi rotundato-truncata, apice arcuatim obtusata, segmentis lateralibus approximatis, laminae portione angusta secus costam junctis, sinu angusto in fundo rotundato distinctis, apice subtruncato latere superiore subacutatis; unius ejusdemque lateris angustioribus, biveniis, alterius lateris duplo latioribus, 4-veniis, omnibus fere a basi ad apicem usque aequilatis; segmento terminali trapeziformi, basi cuneato, apice abrupte subrectilineo-acutato, apiculo brevissimo aucto. Costa crassa, in apiculum excurrens. Venae in marginem productae venulis subparallelis comitatae. — Caracas. Reichenbach. f. — *v. f. s. communicat. a Celeb. Reichnb. f.*

9. **Imrayana.** *S. (Oestr. B. Zeitschr. 1859. p. 40.)* — Folii lamina oblonga, valde inaequilatera, 16-17 pollices longa, 12-13 pollices lata, basi latere latiore subtruncata,

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altero arcuatim et repentino contracta, ab imo apicem versus arcuatim sensimque angustata, cuspidato-apiculata, semilamina latiore foraminibus paucis, medianis, in altera, foramine uno alterove costae approximato instructa, venis patentissime sursum tendentibus 9-11. Pedunculus 8-pollicaris. Spatha expansa late-obovata, apiculata, 7-8 pollices longa, 5 pollices lata. Spadix mediam spatham attingens, crassulus, diametro sesquipollicari. — Dominica. Imray. *v. s. in Herb. Hooker.*

10. **fenestrata.** *S. (Oestr. B. Wochenbl. 1855. p. 290.)* — Petioli 5-6 pollices longi ad geniculum pollicare elongatum usque vagina muniti. Lamina fol. 7-8 pollices et ultra longa, 3-4 pollices lata, ovata l. ovato-oblonga, sat inaequilatera, basi hinc rotundata, illinc arcuatim angustata, utrinque imo in geniculum cuneata, apicem versus sensim acuminata, foraminibus pluribus uniserialibus utrinque, amplis, a costa ad marginem tendentibus, venis uno latere patentissimis, altero patentibus. — Venezuela. Appun. — *v. v. cult.*

11. **Holtoniana.** *S. (Oestr. B. Zeitschr. 1859. p. 40.)* — Petiolus pedalis, ad apicem fere vaginatus. Geniculum longum. Folii lamina ovata immo late-ovata, (11 pollices latitudine, 14 pollices longitudine), basi subcordata, imo brevissime cuneato, apice rotundato et subrepentino arcuatim angustato

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cuspidulata, foraminibus lateris latioris subbiserialibus, interioribus ibi costae approximatis, minoribus, ceteris rarissimis margini approximatis longioribus, lateris modice-angustioris uniserialibus, costae approximatis, paucis; venis (praecipue inferioribus) subhorizontaliter patentissimis. Spatha 5-pollicaris. — Nova-Granata, Caucana. Holton. — *v. s. in Herb. Hooker.*

12. **Seemannii.** *S. (Oestr. B. Zeitschr. 1859. p. 40.)* Folii lamina 12 pollices longa, 9 pollices lata, oblongo-ovata, a medio basin versus levissime angustata et denique abrupte, arcuata linea vero, contracta, imo triangulare-cuncato in geniculum descendens, apice latitudine subsensim arcuate diminuta, cuspidato-apiculata, foraminibus magnis, semilaminae latioris biserialibus. interioribus sub-2, costae approximatis, minoribus, exterioribus margine disrupto saepe solutis, latere superiore in acumen longum sursum directum exeuntibus; semilaminae angustioris uniserialibus medianis, venis utrinque patentissimis 11-13. Spatha . . . . . Insula Taboga. Seemann. *v. f. s. in Herb. Hooker.*

13. **Poeppigii.** *S.* Petioli . . . . Geniculum . . . . Folii lamina elliptico-ovata, manifeste inaequilatera, 18 pollices longa, 10-12½ pollices lata, basi hinc rotundata, illinc arcuato-angustata, imo utrinque breviter cuncato, apice rotundato brevissime apiculata, fora-

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minibus extensis inaequalibus, costae magis approximatis in intervenio solitariis, dispositione fere biserialibus; semilaminae angustioris costae magis approximatis, venis uno latere aperte-patentibus altero patentibus. — Peruvia. Poeppig. — *v. f. s. in Herb. Poepp.*

*Synon.* Monstera Adansonii, *Poepp. Herb.*

14. **Lechleriana** *S.* Petioli . . . . . Geniculum . . . . . Folii lamina elongato-oblonga, inaequilatera, 27 pollices longa, 14-15 pollices lata, basi subaequaliter rotundata, imo brevissimo cuneato, apice linea arcuata rotundata, acuminata, foraminibus inaequalibus, semilaminae latioris biserialibus, minoribus rotundatis juxta costam, majoribus in longum extensis submedianis; semilaminae angustioris quoque biserialibus, minoribus et majoribus vero costae approximatis, venis utrinque aperte-patentibus. — Peruvia Lechler. — *v. s. f. in Herb. Hooker.*

15. **Klotzschiana**. *S. (Oestr. B. Wochenbl. 1858. p. 419.)* — Petioli ad apicem usque vaginati, 6-7-pollicares. Geniculum breve. Folii lamina late-ovata, parum inaequilatera, pedalis, 7 pollices lata, basi utrinque rotundata, vix ad imam basin cuneata, apice breviter-acuminata, foraminibus nonnullis majusculis utrinque, costae magis approximatis hinc inde instructa, venis 7-9, aperte patentibus l. patentibus. Pedunculus quam petiolus obvolucrans paulo brevior. Spatha

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acuminata, spadice fere duplo longior. Spadix cylindrico-ovoideus. — Brasilia Luschnath. — *v. s. in Herb. G. Berol. et Horti Bot. Petrop.*

16. **Blanchetii.** *S.* Petioli . . . . . Geniculum breve. Lamina fol. 9-12 pollices longa, 6-8 pollices lata, ovata l. oblongo-ovata, valde inaequilatera, basi hinc rotundata, illinc arcuato-cuneata, imo breviter triangulare-angustata, apice arcuate-angustata cuspidato-acuminata, foraminibus biserialibus, in semilamina latiori aliis minutis numerosioribus, juxta costam, aliis elongatis magnis medianis, cum l. absque minoribus in eodem intervenio; semilaminae angustioris omnibus exortui costae approximatis, venis hinc patentissimis illinc patentibus. — Brasilia, Bahia. Blanchet. — *vid. s. f. in Herbar. D.C.*

17. **expilata** *S.* Petioli (junioris stirpis) ad medium vaginati. Geniculum longulum. Lamina fol. lanceolato- l. oblongo-elliptica, valde inaequilatera, basi utrinque arcuate-cuneata, in geniculum subsensim angustata, apicem versus sensim, raro subsensim longe-, immo praelonge-acuminata, foraminibus saepe biserialibus, aliis minutis juxta costam, aliis amplis subalternantibus, tamen ejusdem intervenii, a costa ad marginem usque productis, limbum et interstitia venifera perangusta tantum relinquentibus, venis 5-7, patentibus. — Brasilia, Rio-negro.

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Martius. — *v. s. f. in Herbar. Martii. Monacense.*

18. **Gaudichaudii** *S.* Petioli ad geniculum usque late-vaginati, 9-10-pollicares. Geniculum elongatum. Lamina fol. 15-16 pollices longa, 6-7 pollices lata, elliptico-oblonga, manifeste inaequilatera, basi utrinque subarcuatim cuneata, in geniculum angustata, apice arcuatim repentino-acutata, cuspidulo brevissimo, foraminibus paucissimis, magnis, uniserialibus in utroque latere, venis patentibus. Pedunculus subsolitarius, tenuis, 4-5-pollicaris. Spadix oblongus, tripollicaris. — Brasilia, R. d. J. Gaudichaud — *v. s. in Herb. G. Berol. et D.C.*

19. **Velloziana**. *S. (Oestr. B. Wochenbl. 1854. p. 66.)* — Petioli ad geniculum usque anguste-vaginati, 4-5-pollicares. Geniculum semipollicare. Lamina fol. 10 pollices longa, $4^1/_2$ pollices lata, ovato-oblonga, manifeste-inaequilatera, basi hinc rotundata, illinc arcuate-cuneata, in geniculum transiens, apice repentino-contracta breviter-cuspidata, foraminibus a costa ad marginem extensis utrinque paucissimis, venis uno latere patentissimis, altero patentibus. Pedunculus petiolo obvolucrante longior, solitarius. Spatha $2^1/_2$-pollicaris. Spadix oblongus, tenuiusculus, vix bipollicaris. — Brasilia (Flor. Flum.).

20. **lanceaefolia**. *S.* Petioli ad apicem usque vaginati. Geniculum longulum. Lamina fol.

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oblique-oblongo-lanceolata, modice- l. valde inaequilatera, basi hinc rotundata, illinc arcuate-angustata, subcuneata, vix imo in geniculum angustata, apice sensim acuminata l. arcuate angustata, cuspidata, foraminibus uno latere paucis (1-2), costae proximis, modicis, altero nullis, venis patentibus. — Brasilia, R. d. J. (S.) *v. v. cult.*

21. **oblongifolia.** *S.* Petioli ad apicem usque vaginati. Geniculum longulum. Lamina fol. oblonga, manifeste inaequilatera, basi utrinque arcuato-cuneata, in geniculum angustata, apice sensim l. subsensim acuminata, foraminibus utplurimum nullis l. rarissimis, venis erecto-patentibus. — Brasilia, R. d. J. (S.) *v. v. cult.*

22. **Parkeriana.** *S. (Oesterr. B. Zeitschr. 1859. p. 41.)* — Petiolus ad apicem vaginatus, 9-10 pollices longus. Folii lamina 10-11-pollicaris, sub-4 pollices lata, oblique-oblonga, manifeste inaequilatera, apicem versus sensim angustata, cuspidato-acuminata, basi latere latiore rotundata, latere angustiore arcuato-cuneata, foraminibus interdum latere latiore paucissimis, longulis, vix medianis, potius magis costae approximatis, venis hinc aperte-patentibus, illinc patentibus. Spatha . . . . . Demerara. Parker. — *v. f. in Herb. Hooker.*

23. **Milleriana.** *S. (Oestr. B. Zeitschr. 1858. p. 386.)* — Petioli ad apicem vaginati, 8-12

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pollices longi. Lamina fol. 12-13 pollices longa, 5-6½ pollices lata, manifeste inaequilatera, ovato-oblonga l. oblonga, basin versus utrinque cuneata, linea plus minusve recta l. arcuata, apicem versus plus minusve sensim l. repentino angustata, cuspidata; foraminibus magnis, oblongis paucis in uno l. altero l. in utroque latere, costae valde approximatis et saepe marginem versus extensis, venis patentibus 9-11. Pedunculi subsolitarii, 3-5 pollices longi. Spatha 5-7-pollicaris, acuminata. Spadix 3-4½ pollices longus diametro circiter pollicari. — Surinama, Guyana. Hostmann, Splitgerber. — *vid. s. specimina spontan. in variis Herbar.*

24. **Surinamensis** *S. (Oestr. B. Zeitschr. 1858. p. 387.)* — Petioli 7-8-pollicares, ad apicem vaginati. Geniculum longulum. Lamina fol. 5-8 pollices longa, 2½-3½ pollices lata, ovato-oblonga l. ovato-lanceolata, valde inaequilatera, bas utrinque rotundata l. subcordata, in geniculum vix angustata, apicem versus sensim angustata cuspidato-acuminata, foraminibus uniserialibus, paucis, in uno l. altero l. in utroque latere, oblongis, a costa in marginem usque extensis, venis inferioribus utrinque patentibus l. aperte-patentibus. Pedunculi subsolitarii, 4-pollicares. Spatha 5 pollices longa, apice subulate-cuspidata. Spadix 2½ pollicaris diametro, 7-8-lineari inferne flosculis steri-

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libus multis obsitus. — Surinama Miquel. — *v. v. cult.*

*Synon.* Heteropsis Surinamensis Miquel.

25. **ovata.** *S. (Oestr. B. Zeitsch. 1858. p. 387.)* — Petioli 6-7-pollicares, ad apicem vaginati. Geniculum longulum. Lamina fol. 7-10 pollices longa, 4-5 pollices lata, ovata, l. late-ovata, modice inaequilatera, basi hinc rotundata, illinc obtusate-cuneata, vix imo triangulare producto, apice subrepentino-angustata, cuspidata, cuspide plus minusve elongato, foraminibus raris, (1-2) oblongis saepe amplis, a costa ad marginem extensis, venis inferioribus uno latere patentissimis, altero patentibus. Pedunculus vagina petiolari obvolucrante brevior, solitarius? — Spatha 5-8 pollices longa, cuspidulata. Spadix oblongo-cylindricus, $2^1/_2$-4-pollicaris, flosculis sterilibus inferne pluribus. Stigma interdum trilobum, aurantiacum. — Surinama, Miquel. — *v. v. cult.*

*Synon.* Heteropsis ovata Miquel.

26. **microstachya.** *S. (Oestr. B. Wchenbl. 1855. p. 274.)* — Petioli ad apicem fere usque vaginati, tripollicares. Geniculum interdum longulum. Lamina fol. 5-8 pollices longa, 1-3 pollices lata, lanceolata, lanceolato-oblonga l. oblonga, plus minusve inaequilatera, basi hinc magis rotundata, illinc magis cuneata, in geniculum angustata, apice cuspidato-acuminata, foraminibus nullis, venis

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patentibus, pseudoncuro interrupto a margine subremoto. Pedunculi plures ex una axilla, petiolo obvolucrante longiores, graciles. Spatha pollicaris l. sesquipollicaris, cuspidata. Spadix pauciflorus, flosculis fertilibus majusculis, sterilibus staminibus imperfectis antheris cassis instructis, paucissimis. — Brasilia, Surinama, Guyana Hoffmannsegg, Miquel, Spruce etc. — *v. s. spontan. in plurim. Herbar.*

*Synon.* Heteropsis obliqua Miquel.

Inserta.

27. **dimidiata** Hortor. Petioli stirpis vegetioris 6-7 pollices longi, ad apicem usque et in geniculum vaginati, infima parte subarticulate intumescentes. Geniculum circiter pollicare, tereti-compressulum. Lamina fol. pedalis longitudine, 6-7 pollices latitudine, ovato-oblonga, valde inaequilatera, ad basin leviter cordata, sinu angusto, auriculis rotundatis, apicem versus sensim angustata et obliquata, exitu obtusata apiculata, foraminibus nullis, venis inferioribus patentissimis. — *v. v. cult.*

Obscurae.

28. **acuminata.** C. Kch. *(Append. 1855. p. 4.)* — Caulis scandens, radicans, compressus, folia cordato-ovata, oblique cuspidata, inaequilatera, altero latere multo angustiore, membranacea breviter-petiolata. — C. Kch.

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29. **tennis** C. Kch. *(Append. 1855. p. 4.)* Caulis scandens, radicans, tenuis compressulus; folia cordato-subrotunda, apice laterali brevi, inaequilatera, altero latere multo angustiore, membranacea, breviter-petiolata. — C. Kch.

Excludendae.

M. **amomifolia** Poeppig. = Stenospermat. amomif. *S.*
— **angustifolia** C. Koch. = Rhaphidophor. angustif. *S.*
— **calloides** Moritz = Anepsias Moritzianus. *S.*
— **cannaefolia** S. Melet. = Philodendr. Rudgeanum. *S.*
— **caudata** C. Koch. = Rhaphidoph. caudata. *S.*
— **cuspidata** Gardn. = Philodend. Gardneri. *S.*
— **decursiva** C. Koch. = Rhaphidoph. decursiva. *S.*
— **deliciosa** Liebm. = Tornelia fragrans. Gutierez.
— **dilacerata** C. Koch. = Tornelia dilacerata. *S.*
— **gigantea** C. Koch. = Epipremnum giganteum. *S.*
— **glauca** C. Koch. = Rhaphidophor. glauca. *S.*
— **Lennea** C. Koch. = Tornelia fragrans. Gutierez.

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**M. lingulata**. S. Melet. = Philodend. lingul. *S.*
— — I. C. Kch. = Philodend. lingul. *S.*
— — II. C. Kch. = Raphidoph. ling. *S.*
— **multijuga**. C. Kch. = Raphidoph. decursiva. *S.*
— **occidentalis**. C. Kch. = Alloschemone Poeppigii. *S.*
— **officinalis**. C. Kch. = Scindaps. off. *S.*
— **Peepla**. C. Kch. = Rhaphid. Peepla. *S.*
— **pertusa**. C. Kch. = Monstera Milleriana. *S.*
— **pinnata**. C. Kch. = Rhaphidoph. pinnata. *S.*
— **pinnatifida**. C. Kch. = Rhaphid. pinnatif. *S.*
— **punctulata**. Klotzsch. = ? Anadendron. punct. *S.*
— **trijuga**. C. Kch. = Rhaphidoph. decurs. *S.*
— **Warscewiczii**. Hort. = Tornelia dilacerata. *S.*

**HETEROPSIS**. Knth. Spatha hians, mox decidua. Spadix stipitatus, pauciflorus, flosculis conformibus, omnibus fertilibus. Pistillum vertice truncatum, stylo nullo, stigmate subrotundato minuto. Ovaria bilocularia, loculamentis biovulatis, ovulis longe-funiculatis, ex apice infimi trientis septi exortis, anatropis. Stamina ovaria superantia.

Fruticuli radicantes, vetustiores summitate arboribus in ramis libere affixi. Rami tenues,

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supraaxillares, haud radicantes, gemmis ex axilla longe remotis. Petiolus brevissimus vaginulatus, (potius petiolus cum vagina internodio arcte accretus, geniculo libero tantum). — Lamina fol. integerrima, venis venulisque densis, tenuissimis, pseudoneuris tribus in margine. Inflorescentia plerumque in ramulis brevissimis, bractea majuscula munita.

1. **Riedeliana.** *S. (Oest. Bot. Zeitschr. 1859. p. 99.)* — Lamina fol. infimorum obverse-oblongo-elliptica, basi obtusate-cuneata, apice longule-cuspidata; supremorum obovato-oblonga, basin versus, a medio sensim in cuneatum angustata, apice rotundato abrupte in cuspidem lanceolatam longam producta, venis fere aperte-patentibus, pseudoneuro interno margini valde approximato. Pedunculus solitarius, ramulum terminans, spadicis stipello longior. Spatha . . . . . Spadix cylindroideo-oblongulus, apice sterili conice attenuatus. — Brasilia. Riedel. — *v. s. in Herb. Hort. Petrop.*
2. **oblongifolia.** Kuth. *(En. III. p. 60. 1841.)* — Lamina foliorum infimorum exacte oblongo-elliptica, inferne obtusata, apice cuspide abrupte affixa, lanceolata aucta, superiorum saepe magis angustata, ad basin cuneata, cuspide elongato-lanceolata angusta, minus abrupte exserta, venis patentibus, pseudoneuro interno a margine remotiusculo. Pedunculus solitarius, ramulum terminans, ut petiolus (geniculum) et spadicis stipellus

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valde-abbreviatus. Spatha spadice paulo longior, apice rotundato abrupte anguste-cuspidata. Spadix ellipsoideus, utrinque acutatus. — Brasilia. Knth. — *v. s. in Herb. G. Berol.*

3. **salicifolia**. Knth. *(En. III. p. 60. 1841.)* — Lamina foliorum infimorum lanceolata, inferne cuneata, apice longe-cuspidato-acuminata, supremorum anguste-lanceolata, basi cuneata, apice in acumen sensim angustatum longissimum producta, venis patentibus, pseudoneura margini valde approximata. Pedunculus solitarius, ramulum terminans, spadicis stipello brevior l. longior. Spatha spadice paulo longior, cuspidato-acuminata. Spadix oblongo-ellipsoideus. — Brasilia. Knth. — *v. s. in Herb. G. Berol.*
4. **Spruceana**. *S.(Aroid. I.p. 27. t. 60. 1856/57.)* — Laminae foliorum omnes lanceolatae, basi rotundatae, apice longe cuspidato-acuminatae, venis patentissimis, saepe fere horizontalibus, pseudoneuro intimo margini valde approximato. Pedunculi solitarii, longuli, tenues, ramulum terminantes. Spatha breviter-cuspidulata. Spadix brevissime stipitatus, oblongo-ellipsoideus, imo subattenuato. — Brasilia Spruce. — *v. s. in variis Herbariis.*

Excludendae.

**H. obliqua**. Miq. = Monstera microstachya. S.

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**H. ovata.** Miq. = Monstera ovata. S.

— **Surinamensis.** Miq. = Monstera Surinamensis. S.

**RHAPHIDOPHORA.** Hassk. Spadix sessilis, flosculis hermaphroditis ubique obsessus. Pistilla apice hebetato-convexa, stylo plus minusve conice producto, stigmate rotundato. demum oblongulo. Ovaria incomplete bilocularia (hemiphragmatibus duobus oppositis acie non contiguis), loculamentis pluriovulatis. Ovula longe-funiculata anatropa, e placenta septifixa, superposite exserta, in utramque cavitatem directa. Antherae ultra pistilla productae. Baccae epicarpii supremam partem operculi modo abjicientes, reliqua parte remanente. Semen ellipsoideum albuminosum. Embryo axilis.

Frutices scandentes, radicantes, ramis saepe flagellaribus vaginis marcescentibus tantum, rarissime foliis hinc inde intermixtis obsessis aucti, ramulorum gemmis extraaxillaribus, vix supra nodum exsertis. Petioli in geniculum usque sulcati, ultra medium rarius ad apicem vaginati, vagina alba, marcescenti-decidua. Lamina fol. integerrima in pinnatisectum usque, foraminibus manifestis l. nullis, venis in marginem excurrentibus, nerviformibus, auxiliaribus venis (tenuioribus) comitatis e costa l. imo venae exortis, margini interveniali parallelis, segmenta falcata l. subfalcata tota longitudine percurrentibus, venulis subparallelis ramuligeris. Pedunculi so-

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litarii. Spatha flava. Baccae epicarpio glauco, intus aurantiacae.

1. **angustifolia**. *S. (Bonpl. V. p. 45. 1857.)* — Petioii breves, ultra geniculum in laminam usque vaginati. Lamina fol. elongato-lanceolata, lateraliter falcata basin versus abrupte angustata, imo abrupte emarginato-cordato, apice acuta l. sensim acuminata, venis et venastris suberecto-patentibus, densis, subparallelis in costa manifestius decurrentibus. Spatha virginea acuminata subsesquipollicaris aperta conchiformis. Stylus brevissimus. Spadix pedunculo brevi fultus, spatha paulo brevior. Semen oblongum levissime compressulum. — Java. Hasskarl. — *v. s. in variis Herbariis.*

   *Synon.* Scindapsus sylvestris. Knth.
   — angustifol. Hassk.
   Monstera angustifol. C. Kch.

   *Observ.* Petiolus in juvencula ramo accretus, vagina apice ligulare prominente. In statu provectiore petiolus gradatim dissolutus l. prolatus, longior.

2. **lingulata**. *S. (Bonpl. V. p. 45. 1857.)* — Petioli brevissimi, lingula maxima oblongo-cucullata, marcescenti-decidua. Folii lamina ovato-oblonga, obliqua, acuminata, basi cordata, sericans. Hassk. — Java. Hassk.

   *Synon.* Scindapsus lingulatus. Hassk.
   Monstera lingulata. C. Kch.

3. **Hongkongensis**. *S. (Bonpl. V. p. 45. 1857.)* — Petiolus fere brevis, ad geniculum tan-

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tum usque vagina marcescenti auctus. Lamina fol. oblongo-lanceolata, subfalcata, basin versus sensim angustata, apice cuspidato-acuminata, venis creberrimis, arcuato-ascendentibus, parallelis, patentibus, rectiuscule e costa exsertis. — Hongkong. Seemann. — *v. f. s. in Herb. Seemannii.*

4. **Lobbii.** *S. (Bonpl. V. p. 45. 1857.)* — Petiolus mediocris ad geniculum usque haud vaginatus. Lamina fol. obovato-oblonga l. oblongo-lanceolata, vix falcata, basin versus obtusate-cuneata, apice repentino ex rotundato angustata, cuspide brevi aucta, venis 6-10, remotiusculis, patentissimis, marginem versus arcuatim flexis, fere rectiuscule e costa exsertis, venastris parallelis 5-7, intervenia occupantibus. Pedunculus petioli longitudine. — Singapur. Lobb. — *v. s. in Herb. Hooker.*

5. **angulata.** *S.* — Caulis acute-angulatus, $^3/_4$-1 poll. crassus, internodia 3-4-pollicaria, petioli circiter 8-pollicares, anguste sulcato-angulati, (folia) lamina fol. lanceolato-oblonga utrinque acuta, crassa, obtectivenia, 10-12 poll. longa, 3-4 lata; pedunculi axillares solitarii fere 3 poll. longi, spatha pedunculi longitudine, brevi-acuta, convoluta, spadicem cylindricum crassiusculum sessilem aequans, ovaria angulata, stigmate depresso suboblongo. Miquel. — Sumatra. Korthals.

*Synon.* Scindapsus angulatus. Miquel.

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6. **lancifolia**. *S. (Bonpl. V. p. 45. 1857.)* — Petiolus longus, ultra apicem in geniculi imum usque vaginatus. Lamina lanceolata, basi rotundata l. subcuneata, apice longe-cuspidata l. longe cuspidato-acuminata l. ovato-oblonga, basi rotundate-cuneata, apice subacuminata, venis 5-6, remotiusculis patentibus l. erecto-patentibus, marginem versus sursum arcuatis, exortu costae decurrentibus; venastris (paulo tenuioribus) parallelis, remotiusculis, 3-4 intervenia occupantibus. Spatha ovata longe-acuminato-cuspidata, inferne sordide fuscescenti-rubens. Spadix tenuis, diametro 4-5-lineari, spatha acumine brevior. — Khasia. Hook. f. — *v. s. in Herb. Hooker. f.*
7. **Calophyllum**. *S. (Bonpl. V. p. 45. 1857.)* — Petiolus longus, vagina a geniculo remote terminata. Lamina oblongo-ovata l. oblongo-elliptica, inaequilatera, hinc basi rotundata, illinc arcuatim angustata, apice rotundato-obtusata, modice oblique cuspidata, venis venastrisque haud distinctis permultis, tenuibus, valde approximatis, parallelis, patentibus, marginem versus sursum arcuatis, inferne costae subdecurrentibus. Spatha virginea subulato-acuminata. Spadix crassiusculus. — Sikkim. Hook. f. — *v. s. in Herb. Hook. f.*
8. **Peepla**. *S. (Bonpl. V. p. 45. 1857.)* — Petioli 3-6-pollicares, vagina ad apicem fere geniculi producta. Lamina fol. 7-9-11 pol-

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lices longa, 2-4 pollices lata, subfalcato-oblonga l. oblongo-lanceolata, basi rotundata; obtusata l. acutata, apice brevius l. longius cuspidata, venis et venastris plurimis subaequitenuibus, remotiusculis, parallelis, patentibus, marginem versus sursum arcuatis, basi costae decurrentibus. Spatha vix tripollicaris, acuminata, extus sordide-flavens, intus sordide ex rubello luteola. Spadix spatha brevior, pallide ac sordide flavo tandem in violaceum vergens. — Silhet, Assam, Khasia. Hook. f. — *v. s. et iconem Hookeri f.*

*Synon.* Scindapsus Peepla. S. Melet.
Monstera Peepla. C. Kch.

*Observ.* Rami inferne et petioli (absque vagina) violascentes, novelli virides. Stigma brevissime stylatum.

9. **Hookeri**. *S. (Bonpl. V. p. 45. 1857.)* — Petioli longi, varia extensione, vagina infra geniculum desinente. Lamina fol. 15-17 pollices longa, 7-9 pollices lata; oblique oblongo-elliptica, basi rotundata; imo subcordato, apice brevius l. longius cuspidata, venis multis (ad 30) tenuibus, approximatis, parallelis, aperte-patentibus, costae vix decurrentibus, marginem versus parum arcuatis, venastris intervenium occupantibus subsolitariis. Spatha bipollicaris, oblongo-ovata, cuspidata, extus viridis, intus lutea, dorso aurantiaca. Spadix flavens, ultra-bipollicaris. Stigma subsessile, rotundum, flavum, tan-

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demque ferrugineum. — Sikkim. Hook. f. — *v. s. et iconem Hookeri.*

10. **caudata.** *S. (Bonpl. V. p. 45. 1857.)* — Folii longe-petiolati lamina ovato-cordata, utplurimum integerrima, rarius pinnatifida, partitionibus subensiformibus. — Pulo-Penang.

*Synon.* Scindaps. caudatus. S. Mel.
Monstera caudata. C. Kch.

11. **pertusa.** *S. (Bonpl. V. p. 45. 1857.)* — Petiolus 11-13 pollices longus, ad apicem vaginatus. Folii lamina inaequilatera, 10-17 pollices longa, 8-14 pollices lata, ambitu late-ovata, basi leviter cordata, apice breviter-cuspidata, latere exteriore (angustiore), integra l. perforata, foraminibus oblongis, latere interiore (in vernatione) pinnatifida, partitionibus lateralibus 3-4, aequilongis, inaequilatis, apicem versus dilatatis, truncatis, margine superiore oblique sursum falcato-acuminatis, omnibus inferne confluentibus, vena nerviformi solitaria percursis. Spatha sub-5-pollicaris. Spadix 3-3½-pollicaris. — Coromandelia. Roxb. — *v. s. in Herb. Wightii.*

*Synon.* Scindaps. pertusus. S. Melet.
? Rhaphidoph. lacera. Hassk.

12. **glauca.** *S. (Bonpl. V. p. 45. 1857.)* — Petioli 7-9 pollices longi, ad apicem haud vaginati. Folii lamina 6-12-pollicaris, supra atro-viridis, subtus glauca, ambitu ovato-cordata, inaequaliter pinnatipartita, parti-

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tionibus plus minusve lineari-lanceolatis, utrinque 3-5, inaequilatis, in acumen cuspidato-falcatum excurrentibus, omnibus cuneatim et anguste confluentibus, vena nerviformi auxiliarisque venis 2-5, e costa et vena nerviformi varia altitudine exortis subparallele percursis. Spatha 4-pollicaris spadice $^1/_3$ longior utrinque flava demum fere plano-expansa. Stigma subsessile. — Nepalia. Wallich. — *v. s. et iconem Hookeri f.*

*Synon.* Scindaps. glaucus. S. Melet.
Monstera glauca. C. Kch.

13. **Wallichii**. *S.* Petiolus sub-16-pollicaris, ad apicem vaginatus. Folii lamina bipedalis et ultra (28″), latitudine pedalis, ambitu oblonga, supra atroviridis, infra flavo-virens, nec glauca, subaequilonge pinnatipartita, partitionibus utrinque 7 l. pluribus, inaequilatis, apice quasi truncatis, latere superiore oblique falcato-acuminatis, omnibus inferne anguste-confluentibus, venis nerviformibus solitariis l. binis tribusve, auxiliariisque venis totidem l. pluribus e costa exsertis, distantibus percursis. Spatha spadice paulo longior. Spadix 5 pollices longus, diametro 13-14-lineari. Stigma subsessile. — Silhet. M. R. Smith. Khasia. (Hooker f. — *v. iconem.*

*Synon.* Pothos (caudatus) decursivus. Wallich.

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14. **pinnatifida.** *S. (Bonpl. V. p. 45. 1857. excl. synon. Zolling. et Hassk.)* — Folia pinnatifida, segmenta falcata, uninervia, (vena nerviformi solitaria. S.) ex Roxb. Fl. Ind. 1. p. 476. 1820. — Sumatra. Roxb.

*Synon.* Scindap. pinnatif. S. Melet.
Monstera pinnatif. C. Kch.

15. **Huegelii.** *S. (Bonpl. V. p. 45. 1857).* — Petiolus 13-14-pollicaris. Lamina fol. ambitu ovato-oblonga, imo apertissimo cordato, aequaliter ad costam fere usque pinnatipartita, partitionibus utrinque 5-7 et ultra, basin versus sensim angustatis, sinu lato distantibus, juxta costam foraminibus minutis, rotundatis, 1-2, insignitis, apice truncatis et latere superiore brevissime apiculatis, venis nerviformibus 2-3 distantibus e costa exortis, subparallelis percursis, partitione terminali pariter truncata. — Manila Huegel. — *v. f. s. spontan.*

16. **pinnata** *S. (Bonpl. V. p. 45. 1857.)* — Folii longepetiolati (10″) lamina ambitu lateovata l. oblonga, 15-18 pollices longa, 10-11 pollices lata, aeque pinnatipartita, partitionibus utrinque 5-11 aequalibus, subanguste-linearibus, apice subtruncatis et latere superiore oblique falcato-acuminatis, omnibus basi latius l. angustius connexis, vena nerviformi solitaria percursis venis auxiliariis omnibus tenuissimis. Spadix subtripollicaris. Stigma subsessile. — Timor, Ora.

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orient. tropica Australiae. Forster, Cunningham.

*Synon.* Scindaps. pinnat. S. Melet.
Monstera pinnata. C. Koch.

*Obsv.* Vaginae decompositae, tunc fibroso-filamentosae, diu persistentes turioncm dense obvestientes.

17. **decursiva** *S. (Bonpl. V. p. 45. 1857.)* — Petiolus adultae 15-18-pollicaris, ad apicem haud vaginatus. Folii lamina ambitu oblonga, ad costam usque pinnatisecta, segmentis utrinque (3-5-7), 15 et ultra, subaequalibus, remotiusculis, latere inferiore angustissime decursivis, plus minusve lanceolato-linearibus, latere superiore acumine cuspidato sursum curvo donatis, vena nerviformi valida, solitaria, mediana, auxiliariis venis crassis e costa (2-3) et ex illa ipsa interdum exortis comitata, instructis. Spatha luteola ad margines pallida, cuspidato-acuminata, sub-6-pollicaris. Spadix 4-4½-5½-pollicaris, pallidus. Ovarium in stylum conicum brevem attenuatum, stigmate flavidulo. Baccae vertice cinereae, intus aurantiacae. — Silhet, Khasia. Hook. f. — *v. v. et s. in Herb. Hookeri f.*

*Synon.* Scindaps. decursiv. S. Melet.
Monstera multijuga et trijuga. C. Kch.

18. **affinis**. *S. (Bonpl. V. p. 45. 1857.)* — Petiolus 14-21-pollicaris. Folii lamina 17-24 pollices longa, 20-22 pollices lata, ambitu

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ovato-oblonga, ad costam usque pinnatisecta, segmentis utrinque 15-20 l. pluribus, subaequalibus, remotiusculis, lanceolato-linearibus, angustis, acumine cuspidato, rectiusculo excurrentibus, latere inferiore angustissime-decursivis, vena crassa solitaria auxiliarisque venis pluribus tenuissimis percursis. Spatha 5-6 pollices longa, acutata. Spadix $2^1/_2$-$3^1/_2$-pollicaris. Ovarium in stylum elongato-conicum attenuatum. Baccae styli rudimento longulo coronatae. Semen ellipsoideum; albuminosum, funiculo longo affixum. Seminis epidermis glanduloso-verruculosa, testam dense verruculosam, fuscam ambiens. Rhaphe canaliculata. Chalaza majuscula. Embryo axilis. — Khasia. Hooker f. — *v. s. et depictam a Celeb. Hooker. f. mecum communicat.*

19. **grandis**. *S. (Oest. B. Ztschr. 1858. p. 349.)* — Folii lamina 20-21 pollices longa, 13-14 pollices lata, ambitu ovata l. ovato-oblonga, imo subcordato, fere ad costam usque pinnatipartita, partitionibus latis, (2-$2^1/_4$ poll.), linearibus, exitu vix truncatis, latere superiore falcato-acuminatis, inferiore sursum curvo, utrinque 6-7 l. pluribus, subaequalibus, basi approximatis, angustissima diachymatis portione unitis, vena nerviformi solitaria auxiliarisque venis tenuibus percursis. Spatha 11-12 pollices longa, extus aurea, intus flava. Spadix sub-8-pollicaris, pallide-flavus. Ovarium in stylum

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conicum elongatum protensum. Baccae stylo longulo coronatae. Semen ellipsoideum, albuminosum, funiculo longo affixum. Rhaphe canaliculata. Chalaza majuscula. — Khasia. Hooker. f. — *v. s. et in icone Hookerii, f.*

20. **eximia.** *S. (Bonpl. V. p. 45. 1857.)* — Folii oblongo-ovati lamina pinnatisecta, segmentis lateralibus lineari-lanceolatis, angustis, ($^3/_4$-$^5/_4$ poll.), apice subtruncatis, latere inferiore et superiore curvato in acumen cuspidatum falcatim prolongatis, 11-15-20 l. pluribus utrinque, basi approximatis, inferne angustissime decursivis, vena nerviformi solitaria auxiliariisque pluribus tenuissimis percursis. Spatha 12-13-pollicaris. Spadix 8-10 pollices longus. Ovarium in stylum conicum elongatum attenuatum. Baccae styli rudimento brevi coronatae. Semen ellipsoideum, longe funiculatum. Rhaphe canaliculata. Chalaza majuscula. — Sikkim, Khasia. Hooker f. — *v. iconem et spec. s. mecum a Celeb. Hooker. f. comm.*

Incertae.

? **Species.** Petioli teretiusculi, supra striato-canaliculati. Folia pinnata. Spadix sesquipedalis, basi incrassatus. — Bootan. Griffith. — (Pothos. Griff. It. Not. Vol. II. p. 101. Nr. 31. — 1848).

? **Species.** Spatha exvoluto-convoluta, intus aurantiaca. Spadix albus. — Khasia.

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Griff. — (Pothos. Griff. It. Not. Vol. II. p. 35. Nr. 578. — 1848).

Excludenda.

**Lacera.** Hassk. (pro parte.) = Epipremnum mirabile. *S.*

**EPIPREMNUM.** *S.* Spadix sessilis, flosculis hermaphroditis ubique tectus. Pistilla apice truncata, stylo nullo, stigmate sessili. Ovaria unilocularia, hemiphragmate solitario e pariete superiore exserto, biovulata. Ovula vix longe-funiculata, anatropa, e placentae hemiphragmatis imo affixa, fere fundifixa. Antherae pistilla tandem superantes. Baccae epicarpii supremam partem, operculi modo abjicientes, reliqua parte remanente. Semen nephroideum, albuminosum. Embryo axilis.

Caudex adradicans, internodiis in adulta brevissimis. Petioli canaliculato-sulcati, vaginae discedentes. Lamina folii integerrima l. pinnatifida. Pedunculi solitarii.

1. **mirabile.** *S. (Genera Aroid. p. 79. 1858.)* — Folia juvenculae petiolo tenui 7-8-pollicari, lamina anguste-lanceolata, lanceolata l. lanceolato-oblonga instructa, imo breviter cordato, mire foraminulis punctiformibus, super totam laminam sparsis, crebris, interdum densis, raro majoribus, oblongulis, semper tamen parvis, pertusis; adultae petiolo crassulo l. crasso, 12-15 pollices longo, vagina ad apicem usque producta, tandem dissoluta, aucto, lamina uno

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latere l. utrinque irregulariter pinnatifida, foraminulis praecipue juxta costam punctiformibus notata, rarissime foraminulis carente, in statu satis provecto 21 pollices longa, 14-15 pollices lata, irregulariter pinnatifida, laciniis plus minusve profunde-sectis, inaequilatis, utplurimum approximate-contiguis, interdum vero hinc inde remotiusculis, anguste lineari-lanceolatis, fere porrecto-acuminatis, juxta costam sparse-foraminulatis, vena nerviformi solitaria, mediana, auxiliariis venis pluribus, tenuissimis, instructis. Spatha 4-5-pollicaris, acuminata. Spadix 3-4-pollicaris. — Java. Zollinger. — *v. v. et expl. s. plur.*

*Synon.* Rhaphidophora lacera. Hassk. p. p.
Scindapsus decursivus. Zollinger.

2. **giganteum**. *S. (Bonpl. V. p. 45. 1857.)* — Lente crescens. Petioli 1-2-pedales. Folii lamina integerrima, oblonga, basi cordata, 1-2-pedalis longitudine, 8-16-pollicaris latitudine. Spatha sordide-atropurpurea. Spadix spathae fere longitudine. — Pulo-Penang. Roxburgh. —

*Synon.* Scindaps. gigant. S. Melet.
Monstera gigantea. C. Kch.

**ANADENDRUM**. *S.* Spatha virginea rostrata, aperta spadice multo longior, tandem decidua. Spadix longe-stipitatus, flosculis hermaphroditis, urceolo membranaceo (ex sicco), apice truncato, perigonii ad instar cinctis, tectus. Stamina 4, filamentis apice valde-

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dilatatis, antheris effoetis ex toto exsertis, loculis apice rotundatis, ultra connectivum productis. Ovaria unilocularia, uniovulata, ovulo fundifixo anatropo, breviter-funiculato, micropyle lateraliter directa, stigmate sessili, oblongo-pulvinari, transverso. Baccae remotiusculae, haud arcte-contiguae. Semen rotundatum, exalbuminosum. Micropyle chalazae proxima. Embryo macropodus.

Adradicantes. Petioli vagina marcescenti-delitescens, raro persistens. Lamina fol. integerrima l. partita perforata l. imperforata.

1. **marginatum**. *S. (Oest. B. Wochenbl. 1857. p. 117.)* — Petioli exortu valde approximati, ad apicem usque vaginati, vagina latiuscula apice rotundata, diu persistente, petioli spadiciferi omnium latissima, apice auriculato-obcordata. Geniculum breve. Lamina fol. integerrima, oblique- et interdum valde inaequilatere-ovato-oblonga, acuminata, inferne subcuneato-obtusata, petiolo interdum duplo longior. Venae, venastris 1-3 interjectis, angulo acuto exsertae, arrecto-arcuatae, parallelae, numerosae, tenues, in marginem excurrentes. Vaginae bracteantes obtusae l. acutatae, medium petioli vix l. paulo superantes. Pedunculi tenues, graciles, petioli spadicigeri longitudine. Spatha . . . . . Spadix, cum stipite 15-16 lineas longus, absque stipite vix pollicaris, tenuis. Urceolus perigonialis brevis, medium ovarium haud attingens. — Pulo-Pe-

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nang. Roxburgh. — *vid. siccum. ex Herb. Hooker.*

*Synon.* Pothos marginatus. Wallich.

2. **montanum.** *S. (Bonpl. V. p. 45. 1857.)* — Petioli exortu approximati, ad apicem vaginati, vagina delitescente. Geniculum longulum. Lamina fol. *integerrima, oblique-ovata* l. oblonga, subabrupte acutata l. acuminata, basi rotundata, petiolo vix duplo longior. Venae remotae, venastro interjecto patentissimae, *arcuatim* adscendentes, in marginem excurrentes, venulis *creberrimis*, varie anastomosantibus, rete minute areolatum construentibus, junctis. Vaginae bracteantes ad medium petiolum productae. Pedunculi petiolo spadicigero longiores, graciles. Spatha longe-rostrata. Spadicis rhachis stipite suo duplo longior. Urceolus perigonialis fere ad verticem ovarii productus. — Java. Zollinger. — *v. s.*

*Synon.* Scindaps. *montanus.* Zoll. mg.
Scindaps. (Dendropothos) microstachyus. de Vriese et Miq.
Scindaps. (Nothopothos) microstachyus. de Vriese et Miq.

3. **Lobbii.** *S. (Bonpl. V. p. 45. 1857.)* — Petioli exortu approximati, ad apicem vaginati, vagina delitescente. Geniculum longulum. Lamina fol. integerrima, oblique ovata l. oblonga, subabrupte acutata l. acuminata, basi repentino angustata et *imo breviter* cuneata, petiolo sesqui l. et plus duplo longior.

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Venae remotae, raro venastro interjecto comitatae, patentes, arcuatim in marginem adscendentes, venulis rarioribus, varie anastomosantibus, rete majuscule-areolatum efformantibus, junctis. Vaginae bracteantes trientem petioli metientes. Pedunculi petiolo spadicigero multo longiores, graciles. Spatha longe-rostrata. Spadicis rhachis stipite suo duplo longior. Urceolus perigonialis fere ad verticem ovarii productus. — Java. Lobb. — *v. s. in Herb. Hooker.*

*Observ.* Affinis certe A. montano. Variat. quoque fol. lamina imo subcordato, cuneate in petiolum contracto.

4. **medium**. *S. (Bonpl. V. p. 45. 1857.)* — Petioli exortu approximati, vagina delitescente praediti. Geniculum proportione modicum. Lamina fol. ambitu oblique-ovata (6–9 pollices longa, et lata), secus costam foraminulis irregularibus, sparsis, uniserialibus notata, inferne rotundata, plus minusve profunde sinuato-cordata, (sinu angusto), margine pinnatipartita, partitionibus 1-3, infimis et supremis cuspidato-acuminatis, mediis late-linearibus (marginibus intervenialibus parallelis), exitu quasi truncatis, latere superiore in acumen productis, omnibus fere venis nerviformibus 2-3 parallelis percursis, partitione terminali rhombeo-oblonga, acuminata. Venae in pseudoneura 3 margini proxima confluentes, ramosae, ramis patentissimis, venulis copiosissimis, rete minutis-

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sime areolatum efficientibus. Vaginae bracteantes breves. Pedunculi folii petiolo duplo breviores. Spatha rostrata. Spadicis rhachis stipite plus duplo longior. Urceolus perigonialis . . . . . — Java. Zollinger. — *v. s. in Herb. G. Berol.*

*Synon.* Scindapsus medius. Zollinger.

5. ? **punctulatum**. *S.* (Monstera punctulata. Klotzsch.) Caudex anceps.

**SCINDAPSUS**. *S.* Spatha hians, tandem decidua. Spadix sessilis, flosculis hermaphroditis obsessus. Stamina 4, fil. linearibus apice convexe-incrassatis, antheris (effoetis ultra ovaria haud porrectis), loculis apice rotundatis, vix ultra connectivum prominulum productis. Ovaria unilocularia, uniovulata (l. biovulata ovulo altero abortivo), ovulo fundifixo, horizontaliter directo, brevissime-funiculato, stigmate rotundo, subsessili. Baccae epicarpii cacumen abjicientes. Semen subnephroideo-compresse-rotundatum, micropyle umbilico approximata. Embryo hippocrepicus. Albumen nullum.

Frutices scandentes, radicantes. Petioli vaginis vegeto-persistentibus apice cordato emarginatis, ad geniculum usque productis praediti. Folii lamina integerrima.

1. **pictus**. Hassk. *(Hort. Bogor. p. 58. 1844.)* — Petioli breves, pollicares sesquipollicaresque, vagina ad geniculum usque producta, complicata (ex sicco), apicem cordato-emarginatum versus sensim leviterque an-

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gustata. Geniculum longulum, canaliculatum. Lamina fol. late-ovata, obliqua, inaequilatera, basi leviter-cordata lobis rotundatis, apicem acuminato-cuspidatum versus sensim angustata, supra atro-viridis, maculis irregularibus glaucis l. albido-glaucis in modum nubecularum pictis, sparsis l. approximatis, plurimis, saepe densis, infra pallidior emaculata, venis plurimis subparallelis sursum arcuatis in pseudoneurum margini approximatissimum conjunctis. — Borneo. Motley. — *vid. sicc. in Herbar. Hooker.*

2. **pothoides**. *S.* Petioli breves, $^3/_4$-$^5/_4$ pollicis longi, vagina ad geniculum usque producta, sensim leviterque angustata, in sicco demum involuta muniti. Geniculum longulum, canaliculatum. Lamina fol. inaequilatera, oblique lanceolato-oblonga l. oblique-lanceolata, basi rotundata, immo subcordato-emarginata, ab imo apicem versus sensim angustata, cuspidulate-apiculata, venis et venastris aequicrassis, arcuatis, erecto-patentibus, parallelis, densis. Pedunculus pollicaris. Spatha virginea $2^1/_2$-pollicaris, cuspidata. Spadix sub-bipollicaris, basi stipite brevissimo fultus. Stigma subsessile. — Java Zollinger. Horsfield. — *v. s.*

*Synon.* Scindaps. pictus. Zolling.
Monstera picta C. Kch.
Scindaps. pothoides. Miquel pro parte.

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3. **hederaceus**. *S. (Bonpl. V. p. 45. 1857.)* — Petiolus 2-2½ pollices longus, vagina ad geniculum usque producta, explanata, latiuscula, apice emarginata. Geniculum perbreve. Lamina fol. inaequilatera, elliptica l. ovato-elliptica, basi rotundata ad geniculum emarginata, apicem versus arcuatim angustata, abrupte cuspidata, venis et venastris acquicrassis, arcuatim erecto-patentibus, parallelis, densis, in pseudoneurum margini approximatissimum confluentibus. Pedunculus . . . . . Spatha . . . . . Spadix 1¾-pollicaris. Stigma subsessile. — Java. Zollinger. — *v. s. in Herb. G. Berol.*

*Synon.* Pothos hederacea Zolling.
Scindaps. pothoides Miquel. pro parte.

4. **officinalis** *S. (Melet. p. 21. 1832.)* — Petioli 4-5-pollicaris vagina lata explanata, ad geniculum usque producta, apice peltato emarginata. Geniculum perbreve, canaliculatum. Lamina fol. ovato-elliptica, 7 pollices longa, 3-4 pollices lata, basi rotundata l. cordato-emarginata, apice abrupte longe- et anguste cuspidata, venis parum crassulis utrinque sub-8, venastris interjectis subtenuioribus 3-5, omnibus arcuate patentibus in pseudoneurum margini approximatissimum junctis. Pedunculus crassus, sesquipollicaris. Spatha extus viridis, intus sordide-flava, subulate longeque cuspidata, 5-6-pollicaris. — Bengalia Roxb. — *v. s. et iconem pictam*

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*Roxburghii, a Celeb. Hook. communicatam. Synon.* Monstera officinal. C. Kch.

Excludendi.

**Scindaps. angulatus** Miq. = Rhaphidoph. angul. *S.*

— **angustifol.** Hassk. = Rhaphid. angustif. *S.*

— **arborum** Presl. = Pothos macr. Moritzi.

— **caudatus** S. Melet. = Rhaphid. caud. *S.*

— **Cuscuaria** Presl. = Cuscuaria marantif. *S.*

— **decursivus** S. Melet. = Rhaphid. decurs. *S.*

— **dilaceratus** C. Kch. = Tornelia dilacer. *S.*

— **giganteus** S. Mel. = Epipremn. gigant. *S.*

— **glaucus** S. Mel. = Rhaphidoph. glauca. *S.*

— **Haenkei** Presl. = Aglaon. Haenkei. *S.*

— **inaequilaterus** Presl. = Pothos Cumingii. *S.*

— **lingulatus** Hassk. = Rhaphid. lingul. *S.*

— **marantifol.** Miq. = Cuscuar. marantif. *S.*

— **medius** Zoll. = Anadend. med. *S.*

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**Scindaps. microstachyus** Miq. = Anadend. montan. *S.*

— **montanus** Knth. = Anad. montan. *S.*

— **occidentalis** Poepp. = Albosch. Poepp. *S.*

— **Peepla** S. Mel. = Rhaphid. Peepla. *S.*

— **pertusus**. S. Mel. = Rhaph. pertusa *S.*

— **pinnatifidus** S. Mel. = Rhaphid. pinnatif. *S.*

— **pinnatus** S. Mel. = Rhaph. pinnata. *S.*

— **pothoides** Miq. = Scindaps. pothoid. *S.* et Sc. hederaceus. *S.*

— **Rumphii** Presl. = Pothos Rumphii. *S.*

— **sylvestris** Knth. = Rhaph. angustif. *S.*

— **tener** Presl. = Pothos tener *S.* et Pothos gracilis Roxb.

**CUSCUARIA.** Rumph. *S.* Spatha cymbaeformis, ad basin usque hians, tandem decidua. Spadix sessilis, flosculis hermaphroditis onustus. Stamina 4, filamentis late-linearibus, antherae haud exsertae loculis apiculatis connectivo longioribus. Ovarium uniloculare, uniovulatum, stylo manifesto, abrupte e verticis centro exserto conoideo, brevi stigmate hemispsaerico, stylo tenuiori impeltato. Ovulum basifixum, anatropum, breviter-

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funiculatum, dorso parietem inferiorem (in spica) versus spectans.

Ramuli spadicigeri abbreviati, internodiis brevissimis. Petioli vagina sensim angustata, ad geniculum non protensa, marcescenti-decomposita, aucti. Lamina integerrima, densissime ac tenuissime venosa. Pedunculi solitarii.

1. **marantaefolia** *S. (Bonpl. V. p. 45. 1857.)* — Petiolus 3-9 pollices longus, vagina inferne lata, apicem versus sensim angustata, infra geniculum desinente auctus. Geniculum proportione breve, subincrassatum. Lamina fol. 8-10-12 pollices longa, $3^1/_2$-$5^1/_2$ pollices lata, oblongo-elliptica, modice inaequilatera, basi abrupte rotundata l. obtusata apice acuminata l. abrupte contracta cuspidulato-apiculata, venis venastrisque copiosissimis, subaequicrassis, in pseudoneurum patentissime anastomosantibus. Pedunculus brevissimus. Spatha $3^1/_2$-4-pollicaris. Spadix spatha paulo brevior. — Java. Zollinger, Amboyna Rumph. — *v. s.*

*Synon.* Cuscuaria latifolia Rumph.
Pothos Cuscuaria Gmelin.
Scindapsus spec. Zollinger.
Scindapsus Cuscuaria Presl.
Scindapsus (Marantophyllum) marantaefol. Miquel.

**Tribus Orontieae**. R. Br. Sepalanthae. Flosculis perigonio 4-6-8-phyllo. Stamina sepalis opposita.

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**SUBTRIBUS LASINAE.** *S.* Spatha laminaris, colorata, elongata recta, diu persistens, basi convoluta, reliqua parte in laminam plus minusve tortam angustata. Spadix cylindroideus, brevis, a basi florens. Sepala 4-6-8, aestivatione irregulari, contorta l. imbricativa. Filamenta haud praelonga. Antherae parum exsertae, loculis appositis ultra connectivum productis, apice rotundatis, rima aperientibus. Stylus fere semper nullus. Stigma sessile discoideum. Ovula fundi-, parieti- l. tholifixa, anatropa. Semen subalbuminosum

Herbae rhizomatosae, paludes l. humida quaerentes. Folia proteranthia. Petioli breviter-vaginati, reliqua parte teretes, longi, apice geniculati. Folii lamina hastata l. hastato-pinnatifida. Pedunculi longissimi. Rhizoma, petioli, costa et venae principales, pedunculi et spathae dorsum, aculeis l. muriculis plerumque obsiti.

**LASIA** Lour. Spatha ima basi in foecundatione hians, reliqua parte arcte-contorta. Spadix subcylindricus. Flosculi tetrameri, sepalis aestivatione imbricativa, (lateralia 2 reliqua primum obtegentia). Ovarium uniloculare, uniovulatum. Ovulum curvatum, fere tholifixum, breviter-funiculatum, micropyle fundum cavitatis vix exacte respiciente. Baccae vertice muricatae. Semen compressuloquadrangulare-ovatum, irregulariter rugoso-sparse-verrucosum, evanescenti-albuminosum.

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Embryo macropodus, micropyle chalazae approximata.

Caudex prorepens, aculeatus. Folia juvenculae sagittato-hastata, adultae pinnatipartita. Gemmae supra-axillares.

1. **Loureiri.** *S. (Melet. I. p. 21. 1832.)* — Sexpedalis. Folia longe-petiolata, pinnatifida. Scapi ut petioli aculeis plurimis (sursum *S.*) curvis, brevibus, sparsis consiti. (Fol. lamina dorso in venis primariis sparse-aculeata. Spatha quoque dorso aculeis, inferioribus majusculis, sparse obsita. Spadix cylindricus, ultra pollices 2 longus, diametro $^1/_4$-pollicari. S.) — Cochinchina Loureiro. — *v. delineationem specim. Loureiriani Herb. Mus. Brit.*
2. **Hermanni** *S. (Bonpl. 1857. p. 125.)* — Aculei validi, sursum curvi. Lamina fol. juvenculae hastata, in sinu petiolari nervis basi non denudatis; adultae subpedato-profunde-pinnatipartita, partitionibus lateralibus 4-5- l. pluribus, lanceolato linearibus, longe-acuminatis, distantiusculis, cuneate confluentibus, terminali elongata, acuminato-lanceolata, infimis bipartitis, partitione extima cum apicali et latitudine subconformi, in sinu petiolari in petiolum angustata. Spatha angusta. — Ceilona Walker. —

*Synon.* Dracontium spinosum *L.*

? Pothos Lasia Roxb.

3. **Jenkinsii.** *S. (Bonpl. 1857. p. 125.)* — Aculeis validis rectis obsita. Lamina fol. juven-

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culae hastata, adultae subpedato-profunde-pinnatipartita, partitionibus lateralibus tribus remotis, elongato-lanceolatis, sursum falcatis, basin versus angustatis, apice acutatis, subaequilate confluentibus, terminali subacuminato-lanceolata subabbreviata, infimis tripartitis, partitionibus reliquis posterioribus illis anticae laminae subaequalibus, extima in sinu petiolari in nervum (costam posticam) basi denudatum angustata. Spatha praelonga. — Spadix vix sesquipollicem attingens. — Assam Jenkins. — *v. s. in Herb. Hooker.*

4. **Zollingeri** *S. (Bonpl. 1857. p. 125.)* — Aculeis brevibus tenuiusculis, subsursum curvis armata. Lamina fol. juvenculae . . . . ; adultae: profunde subpedato-pinnatipartita, partitionibus lateralibus 4, remotis, elongato-lanceolatis, rectiusculis, l. et subdeorsum falcatis, basin versus angustatis, apice longo-acuminatis, cuneato- l. aequilate confluentibus terminali lanceolata, paulo elongata parumque latiori, infimis bipartitis, partitionibus extimis in petiolum usque angustatis, latitudine lateralium inferiorum, intimis multo angustioribus et brevioribus. Spatha elongata, interne rubrofusca. — Java Zollinger. — *v. s. specim. plura.*

*Synon.* Lasia heterophylla. Zolling.

5. **Roxburghii** Griffith. *(It. Not. III. p. 155. 1851.)* — Aculeis rectiusculis armata. Lamina fol. juvenculae . . . . . adultae: subpe-

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dato- vix profunde pinnatipartita, partitionibus lateralibus 3, contiguis, oblongis, longe-acuminatis, terminali late-oblonga, cuspidata, costa bicruri terminata, infimis tripartitis, partitionibus conformibus, extima apice fissa, laciniis geminis acuminatis, in sinu petiolari in nervum (costam posticam) basi denudatum angustata, intima interdum dente aucta. Spatha magis lanceolata. — Silhet. Wallich. Cat. 4447. — *v. s.*

*Synon.* Pothos Lasia Roxb. ex Griff.

6. **heterophylla** *S. (Melet. I. p. 21. 1832.)* — Aculei recti. Lamina fol. juvenculae: hastata, in sinu petiolari nervis (costis posticis) basi denudatis; adultae: vix profunde subpedato-pinnatipartita, partitionibus lateralibus 2-3, contiguis, oblongis, cuspidato-acuminatis, terminali omnium latissima, plerumque apice rotundata, breviter cuspidata, (raro oblonga), infimis tripartitis partionibus lateralibus reliquis partitionibus subconformibus l. latioribus, extima in nervum (costam posticam) basi denudatum angustata. Spatha longa. — Bengalia Roxb. Hooker. f. — *v. v. et s.*

*Synon.* Pothos heterophylla Roxb.

**CYRTOSPERMA.** Griff. Spatha vix contorta, tota longitudine tandem aperta, marcescenti-persistens. Spadix cylindricus. Flosculi hexameri. Ovarium uniloculare, biovulatum, ovulis parietifixis, collateralibus, infra medium loculamenti exsertis, fere longule-funi-

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culatis, anatropis, micropyle ampla fundum versus spectante. Pericarpium abortu monospermum. Semen curvatum, reniforme, marginato-cristatum. Albumen carnosum? Embryo hypocrepicus.

Folia omnia hastata. Petioli ut pedunculi aculeis armati.

1. **lasioides.** Griff. *(It. Not. III. p. 149. — Icon pl. Asiat. III. Tab. 169. — 1857.)* — Petioli bipedales, aculeis inferne densioribus sursum curvulis, superne sparsioribus minoribus obsiti. Lamina fol. sagittato-hastata, lobis acuminatis, medio in subulam producta, posticis retrorsis l. subextrorsis, antico paulo brevioribus, costis posticis angulo acuto secedentibus, infima parte in sinu denudatis, exitu bifidis l. bicruribus. Pedunculus 20-22-pollicaris, aculeis sparsis, minutis. Spatha 3-5-pollicaris, cuspidato-acuminata, extus fusco-purpurascens, nervis ochroleucis, intus ochroleuca. Spadix breviter-stipitatus, mediam laminam paulo superans. — Malacca, Sineapure. — Griffith. — *v. s. in Herb. Hooker.*
2. **Merkusii.** *S. (Oest. B. Wchnbl. 1857. p. 61.)* — Robusta aculeis brevibus, rectiusculis. Lamina fol. sagittato-hastata, lobis acuminatis, medio in subulam producto, posticis retrorsis, l. subextrorsis, antico subaequalibus, costis posticis angulo fere recto secedentibus, infima parte in sinu longe-denudatis, exitu obsoletius bicruri. Pedunculus

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. . . . . Spatha 10-11-pollicaris, longe-sensimque acuminata, extus hyacinthina, nervis sulphureis. Spadix sessilis, 6-pollicaris. — Java. Hasskarl. — *v. s. in Herb.* Boiss.

*Synon.* Lasia Merkusii. Hassk.

**ANAPHYLLUM.** *S.* Spatha elongata, inferne convoluta, reliqua parte explanata. Spadix stipitatus. Sepala 4. Stamina 4. Ovarium uniloculare, uniovulatum, ovulo parietifixo, sub medio loculamento exserto, brevissime-funiculato, anatropo, micropyle ampla, fundum versus spectante. Bacca . . . . . Semen . . . . .

Folia juvenculae sagittato-hastata, adolescentis stirpis pedati-, adultae remote pinnatisecta. Petioli sparse muriculati. Spadix cylindroideus.

1. **Wightii.** *S. (Genera Aroid. p. 83. 1858.)* — Petioli 2-4-pedales, lamina longiores, tenues. Lamina fol. juvenculae costis posticis angulo recto divergentibus, costa media longioribus; adultae pinnatisecta, pinnis infimis longule-ansatis, quasi petiolulatis, lineari-lanceolatis, inferne cuneatis, apice sensim acuminatis, 10-14 pollices longis, sesquipollicem l. paulo ultra latis, reliquis sessilibus, oppositis, inferne obtusiusculis, longe-acuminatis, summis plerumque basi confluentibus. Pedunculi longissimi, (3-4-pedales). Spatha lanceolata, longe-acuminata; spadice multoties longior. Spadicis stipes fere ex toto spathae accretus. — Ind. or.

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prov. Carnatic. Wight. — *v. s. in Herb. Wightii.*

**LASIMORPHA.** *S.* Spatha inferne apertehians, superne laxe-contorta. Sepala 4, aestivatione irregulari. Stamina 4. Ovarium uniloculare, pluriovulatum, ovulis e fundo in parietem biserialiter ascendentibus, longule-funiculatis hippocrepicis, anatropis, micropyle fundum versus spectante. Baccae e sepalis vix incrassatis procedentes, vertice rugoso-verrucosae, polyspermae. Semen compresso-nephroideum, verrucosum, dorso cristatum, longe-funiculatum, albuminosum. Chalaza et micropyle approximatae. Embryo hippocrepice curvatus, in albumine parco nidulans.

Paludosa. Folii lamina hastata. Petioli et pedunculi sparse aculeolati.

1. **Afzelii.** *S. (Genera Aroid. p. 85. 1858.)* — Biorgyalis. Petiolus sparse muricato-aculeolatus. Lamina fol. anguste-hastata, partitione antica elongato-lanceolata, acuminata, venis erectis, suboppositis, longissime procurrentibus; partitionibus posticis pariter elongato-lanceolatis acuminatis, antico paulo brevioribus; patenter retrorsis, venis erecto-patentibus, marginem versus prolongatis. Venae interlobares aperte-patentes, breves, ramis sursum deorsumque directis. Costae posticae in sinus imo subdenudatae? Pedunculus crassus, sparse-muricatus. Spatha magna, ampla, 10-12-16 pollices longa,

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late oblongo-lanceolata, valde acuminata, apice torta, spadice multoties! longior. Spadix sphaeroideus, diametro $^3/_4$-pollicari, breviter-stipitatus. Ovaria sepala vix superantia. Ovula reniforme-curvata, funiculo extra sinus medio quasi peltatim inserto, parte micropylen monstrante multo breviore! Baccae pisi majoris magnitudine, maturescentes alte e perigonio excedentes, vertice ruguloso-verrucosae, 5-7-spermae. — Guinea. Afzelius. Fernando-Po. Barter.

2. **Senegalensis.** *S. Bonpl. 1857. p. 127.* — Pedes 8-12 alta. Folii laminae auguste- l. late-hastatis costae posticae angulo recto divergentes, ad petiolum usque marginatae ibique fere peltatim exsertae. Pedunculi crassi aculeolati. Spatha 8-9-pollicaris, acuminata, spadice plus duplo longior, purpureo-fuscata (Vogel), viride-striata (Barter). Spadix sessilis? digitiformis, purpureo-fuscatus (Vogel). Ovaria sepala vix superantia. — Guinea, in palludosis. Vogel, Barter.

**UROSPATHA**. *S.* Spatha in ligulam plerumque longissimam angustata, persistens. Spadix spatha multo superatus, digitiformis, stipitatus, flosculis 4-5-6-meris, aestivatione irregulari, inferne sterilis, superne fertilis, sursum florens. Stamina sepala tandem paulo superantia. Ovaria incomplete-bilocularia, septis ad trientem l. dimidium cavitatis, acie connatis, ovulis in quolibet loculamento 1-2-∞.

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e centro quasi ovarii exsertis, anatropis, funiculis longulis, micropyle fundum spectante. Stylus rarissime ex ovario productus, utplurimum nullus. Stigma ovario l. stylo impositum hemisphaericum? Baccae sepalis grandefactis circumvallatae oligo- l. pleiospermae. Semen meniscoideo-nephroideum, micropylen versus attenuatum. Albumen parcum? l. nullum?

Herbae paludosa amantes. Folia pauca. Petioli longissimi, verrucoso-muriculati, variegato-maculati. Lamina fol. sagittato-hastata, pedatinervis, venis margini subparallelis, pseudoneura 2-3 metientibus, interno a margine remoto, venulis quasi unilateraliter exortis. Pedunculi petiolis longiores, scabridi, maculati. Spatha extus colorata, intus albida. Spadix albidus.

* Spatha longa recta. Ovaria astyla.

1. **Friedrichsthalii.** *S. (Aroid. I. p. 3. t. 7. 1853.)* — Petioli glabriusculi. Folii lamina sagittata l. sagittato-ovata, sub-15-nervis, in sinu petiolari non denudata; lobo terminali lato, obtusissimo, brevissime-cuspidulato, 7-nervi; posticis longioribus, oblongis, longe-acuminatis; nervo interlobari iterato-bicruri l. ramoso, ramis sursum deorsumque directis. — S. Juan de Nicaragua. Friedrichsthal. — *v. fol. s. in Herb. Mus. Vindob.*
2. **grandis.** *S. (Bonpl. p. 128. 1857.)* — Folia . . . . . Spatha magna, 4-5-6 pollices

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et ultra lata, 16-18 pollices longa, a basi ad apicem fere aperta, nec apice torta. Spadix longe-stipitatus, stipite spathae dorso accretus, summo triente tantum fertilis, rhachi $2^1/_2$-pollicari. Flosculi tetrameri, steriles antheris vix l. haud exsertis. Funiculi dense longe-spongiolosi. — Panama. Fendler. — *v. inflor. in Herb.* Hooker.

3. **affinis.** *S. (Aroid. I. p. 3. t. 8. 1853.)* — Petioli laeviusculi? Lamina fol. latiloba, lobo terminali oblongo-triangulari, acuminato, posticis sublongioribus, late oblongo-ovatis, acuminatis. Costa media 13-14-pollicaris, simpliciter triplinervis; posticis 14-15-pollicaribus, angulo recto exortis, in sinu petiolari denudatis. Vena interlobaris exacte e costarum junctura exserta, sursum arcuata, subbicruris; infima costae posticae ab interlobari exortu remota, iterate longe-bicruris, ramulis antrorsum retrorsumque directis. Pedunculus 28 pollices et ultra longus, sublaevigatus. Spatha angusta, bipollicaris circiter latitudine lobo laminae fol. antico paulo longior, sub-15-pollicaris. Spadix $5^1/_2$ pollices metiens. Flosculi tetrameri. — Brasilia borealis. Poeppig. — *v. s. in Herb. Mus. Vindob.*

4. **caudata.** *S. (Aroid. I. p. 3. t. 9. 1853.)* — Petioli laeviusculi, 30-36 pollices longi. Lamina fol. latiloba, hastata, lobo terminali oblongo-lanceolato-triangulari, acuminato; posticis subaequalibus, oblongo-lanceolatis,

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acuminatis. Costa media 14-pollicaris, superposite duplicato-triplinervis. Venae interlobares e junctura costarum exortae utrinque 2, bicrures; infima costae posticae cum prioribus fere exsertae, producte-bicruris. Costae posticae 14-pollicares, basi in sinu petiolari denudatae. Spatha lobo antico folii multo longior, 18-21-pollicaris, longe angusteque terminata. Spadix $2^1/_2$ pollices longus. Flosculi tetrameri. — Brasilia borealis. Poeppig. — *v. s. in Herb.* Poepp.

5. **Langsdorffiana.** *S. (Oest. B. Wchnbl. 1857. p. 253.)* — Petioli verrucoso-muriculati, 33-36-pollicares. Lamina fol. latiloba, sagittata, lobo terminali oblongo-lanceolato, acuminato, 14-pollicari; posticis multo brevioribus (9-pollicaribus), oblongis, acuminatis. Costa media utrinque venas 3, superposite-exserens. Vena interlobaris e junctura costarum exorta, utrinque solitaria, medio bicruris; infima costae posticae ab interlobari remota, subsimplex. Costae posticae in sinu petiolari denudatae. Pedunculus tenuiusculus. Spatha folii lobo antico haud longior. Spadix a medio fertilis. Flosculi subtetrameri. Ovarii loculamenta biovulata. — Brasiliae prov. Pará. Riedel. — *v. s. in Herb. Hort. Petrop.*

6. **sagittaefolia.** *S. (Aroid. I. p. 4. 1853.)* — — Petioli scabriusculi l. scabride-verrucosi. Lamina fol. latiloba, hastato-sagittata, lobo antico lanceolato-triangulari, acumi-

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nato, posticis sublongioribus, oblongo-lanceolatis, acuminatis. Costa media 7-8-pollicaris, triplinervis, raro duplicato-triplinervis, nervis infimis costae exortui approximatis. Vena interlobaris vix distincta, bicruris; infima costae posticae $7^1/_2$-$8^1/_2$-pollicaris, a costarum junctura parum remota subbicruris. Costae posticae basi breviter denudatae. Spatha folii lobo antico multo longior, 10-11-pollicaris. Flosculi 4-5-, raro hexameri. Funiculi breviter-spongiolati. — Guiana. Rudge, Pará Spruce. — *v. s. in Herb. Monacense et Benthamiano.*

*Synon.* Pothos sagittaefolia. Rudge.

Spathiphyllum Amazonicum. Spr.

7. **Riedeliana.** *S. (Oesterr. B. Wochenbl. 1857. p. 253.)* — Petioli (minorum tenuiorumque) verrucoso-scabriduli. Lamina fol. latiloba, hastata, lobo antico, 5-pollicari, late-triangulari, acutato, posticis longioribus (6-pollicaribus), oblongo-lanceolatis, acuminatis. Costa media triplinervis (primo intuitu) vero potius duplicato-triplinervis, venis nerviformibus infimis e costarum junctura fere, supremis ad trientem (costae) inferiorem exsertis. Vena interlobaris imo costae posticae adnata, quasi ex illa exorta; infima costae posticae legitima ab interlobari plus minusve remota, deorsum directa. Costae posticae basi in sinu petiolari parum denudatae. Spatha lobo antico folii subduplo longior (8-9-pollicaris). Flosculi hexameri.

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— Brasilia, Rio-pardo. Riedel. — *v. s. in Herb. Hort. Petrop.*

8. **Meyeri**. *S. (Aroid. I. p. 4.)* — Petioli laeviusculi? Lamina fol. sagittata, lobo terminali acuminato, posticis lanceolatis, basin versus angustatis. Spatha longissime-acuminata, costa valida percursa, interne alba, externe viride-rubra. Spadix 2-3-pollicaris. Flosculi hexasepali. — Essequebo. Meyer.

9. **decipiens**. *S. (Bonpl. p. 128. 1857.)* — Petioli (20-pollicares) ut pedunculi (22-23-pollicares), sparso-verruculosi, ex nigro, viridi et albido variegati. Lamina fol. subangustiloba, lobo medio 8 pollices longo, 2 pollices lato, acuminato, posticis brevioribus (7-7 $^1/_2$ pollices longis, 2 $^1/_4$ pollices latis). Costa media ter triplinervis, venis nerviformibus infimis quasi e junctura costarum exortis. Venae interlobares apice bicrures, imo costae posticae adnatae; infima costae posticae legitima ab interlobari remota. Costae posticae basi in sinu petiolari longule denudatae. Spatha pedem superans, verruculosa? dorso brunneo-violascens, intus alba (Spruce). Spadix triente sterilis. Flosculi tetrameri. Ovarii loculamenta sub-4-ovulata. Funiculi breviter-spongiolati. — Brasilia, Rio-negro. Spruce. — *v. s. in Herb. Benth.*

10. **dubia**. *S. (Bonpl. p. 128. 1857.)* — Petioli dense- l. densissime-, pedunculi sparsius-verruculosi. Lamina fol. subangustiloba lobo

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antico sub-8-pollicari, medio ultra-bipollicari, posticis antico subaequilongis et medio subaequilatis l. latioribus. Costa media duplicato-trinervia. Vena interlobaris a medio bicruris; infima, lateris exterioris costae posticae, ab interlobari vena multo remota. Costae posticae basi in sinu petiolari breviter-denudatae. Spatha pedalis. Spadix a medio fertilis. Flosculi tetrameri. Ovarii loculamenta biovulata. Funiculi longe-spongiolati, ad cavitatis imam tertiam partem exserti. — Demerara. — *vid. s. in Herbar. Hooker.*

11. **Hostmanni**. *S. (Bonpl. 128. 1857.)* — Petioli et pedunculi sparse-verruculosi. Lamina fol. angustiloba, lobis subaequilongis, antice triangulare-lanceolato, imo bipollicari, posticis angustioribus, medio sesquipollicaribus, latere sinus ex longo sensim sensimque angustatis. Costa media duplicato-trinervia. Vena interlobaris a medio bicruris, costae posticae breviter adnata; infima costae posticae, lateris exterioris a vena interlobari remota. Costae posticae basi in sinu petiolari longe denudatae. Spatha pedalis et ultra. Spadix a medio fertilis longe-stipitatus, stipite $^3/_4$ adnatus. Flosculi tetrameri. Ovarii loculamenta ovulis sub-4. Funiculi longe-spongiolati. — Surinama Hostmann. — *v. s. in Herb. Benth.*
12. **Spruceana**. *S. (Bonpl. 128. 1857.)* — Petioli 13-17 pollices longi sicut et pedun-

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culi 22-32 pollices longi sparse-verruculosi. Lamina fol. angustiloba, lobo antico 9 pollices longo, $1^1/_2$—$1^3/_4$ pollices lato, triangulare-lanceolato, longe-angusteque acuminato, posticis brevioribus $7^1/_2$-8 poll. longis, 12-15 lineas latis, sensim acuminatis, ab ima quarta parte sinum versus angustata. Costa media duplicato-trinervia, venis nerviformibus infimis e junctura costarum, superioribus haud longe-remote superpositis. Vena interlobaris manifesta nulla; infima costae posticae externa, a costarum junctura remota, inferne lobi postici apicem versus directa, a medio arcuatim recurvata et in anticum lobum longe-procurrens, e curvatura ramos elongatos plures parallelos exserens, costae posticae directionis. Costae posticae basi in sinu breviter-denudatae. Spatha 10-12-pollicaris. Spadix sesquipollicaris. Flosculi 5-6-meri. Ovula 3-4 in quolibet loculamento, funiculo breviter-spongiolato. — Brasilia, Rio-negro. Spruce. — *v. s. in Herb. Monacense.*

13. **quinquenervis** *S. (Oesterr. Bot. Wochenbl. 1857. p. 254.)* — Petioli ut pedunculi variegati, verrucoso-muriculati. Lamina fol. angustiloba, lobo antico lanceolato, 8-$8^1/_2$-pollicari, 14-15 lineas lato, lobis posticis antico subaequalibus, paulo angustioribus latere sinus fere a medio basin versus sensim angustatis. Costa media utrinque venis nerviformibus duabus e costarum junctura

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exortis, anticum lobum ex toto percurrentibus comitata. Vena interlobaris uno latere tantum, quasi ex ima costa postica; infima externa costae posticae a costarum junctura remota, mox in crura brevia partita. Costae posticae basi in sinu petiolari inaequedenudatae. Spatha sub-6-pollicaris, lobo antico folii brevior. Spadix a medio fertilis, longestipitatus, stipite $^2/_3$ adnato. Flosculi 5-6-meri. Ovarii loculamenta biovulata, funiculis 5-ta ima parte cavitatis exsertis. — Brasilia, Santarem. Riedel. — *v. s. in Herb. Petropol.*

14. **Poeppigiana**. *S. (Aroid. I. p. 4. t. 10. 1853.)* — Petioli et pedunculi laeviusculi? Lamina fol. quoad anticum lobum acuminato-triangularem, 6-pollicarem, 2-$2^1/_4$ pollices latum, latiuscula, quoad posticos sublongiores, $^5/_4$ pollicis latos, angustiloba. Costa media triplinervis. Vena interlobaris a medio bicruris, crure fortiore in anticum lobum ascendente, altero in posticum descendente; infima lateris exterioris costae posticae, a costarum junctura remota, descendens, medio interdum subbicruris. Costae posticae basi in sinu petiolari vix denudatae. Spatha 6-7-pollicaris. Spadix $1^3/_4$ pollices longus. Flosculi hexameri. — Brasilia, Pará. Poeppig. — *v. s. in Herb. Poepp.*

** Spatha fornicata brevis. Ovaria in stylum producta.

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15. **descisceus** *S. (Oesterr. Bot. Zeitschr. 1859. p. 99.)* — Petiolus et pedunculi laeves, prior 30-pollicaris. Lamina fol. latiloba, lobo antico triangulari, acuminato, 9 pollices et ultra longo, inferne 4-5 pollices lato, posticis oblongis, acuminatis, 8 pollices longis, 3 pollices latis. Costa media triplinervis, nervis parum exortu ab insertione geniculi remotis. Vena interlobaris posticae costae longule adnata, jam infra medium bicruris, cruribus late divergentibus, longissime sursum deorsumque protensis; infima lateris exterioris costae posticae a costarum junctura longissime remota, longe descendens. Costae posticae in sinu denudatae? Pedunculus petiolo conformis. Spatha $4^1/_2$ pollices longa, inferne convoluta, a medio hiante in laminam explanatam acuminatam producto, incurvata l. fere arcuatim infracta. Spadix vix sesquipollicaris, flosculis tetrameris obsitus, a medio fertilis. Ovaria bilocularia, loculamentis incompletis uniovulatis, fertilia in stylum conicum, sat longum protensa, sterilia astyla. Baccae (immaturae) florum fertilium exsertae. — Brasilia Riedel. — *v. s. in Herb. Horti Petropol.*

**ARISACONTIS.** *S.* . . . . . .

1. **Chamissonis** *S. (Bonpl. 1857. p. 129.)* — Folii lamina hastata, lobo antico 4-pollicari, latiuscule- lanceolato-triangulari, imo ultra pollices 2 lato, posticis lanceolatis, 5-pol-

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licaribus, pollicem latis, inferne valde-inaequilateris, sensim sensimque angustatis, in parte sinus latissimi ex longinquo basin versus linea curva angustatis, longioribus. Costa utrinque sub-5-venosa, venis in pseudoneurum exacte marginale terminatis, venulis reticulatis, creberrimis; vena interlobaris sursum arcuata, ut vena infima costae posticae in latere exteriore a costarum junctura remota, inferne versus lobi postici apicem directa, a medio laxe recurva et apice anticum lobum versus recurva, e curvatura ramos plures parallelos curvulos exserens. Costae posticae basi in sinu petiolari denudatae. — Radack. Chamisso. — *v. s. fol. in Herb. Mus. Vindob.*

*Synon.* Arum sagittifolium. Chamisso.

**SUBTRIBUS DRACONTIONINAE.** *S.* Spatha colorata, laminaris fornicata, basi convoluta, diu persistens. Spadix stipitatus, a spatha multo superatus, ab apice deorsum florens. Sepala 4-5-6-7-9, varie imbricata. Filamenta longula. Antherae demum exsertae, loculis appositis, ultra connecticum productis, apice rotundato rima aperientibus. Ovarium uni- l. pluriloculare. Stylus continuus, stigma contractum, styli verticem ex toto non obtegens. Ovulum in cavitate subsolitarium, funiculo brevi l. longulo patenti transverse affixum, hemianatropum. Semen exalbuminosum.

Tuber. Folia hysteranthia. Spadix foetidus.

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**DRACONTIUM**. *L.* Spatha fornicata. Spadix sphaeroideus, stipitatus. Sepala 4-9, in floribus regularibus hexameris exteriora tria majora, unum supremum, 2 infima. Ovarium septis 2-3-bus ad medium usque connexis, apicem versus sejunctis praeditum. Stylus subcylindricus. Stigma depressum, bi- l. triradiatum l. bi-trilobum. Ovulum ad basin axeos exsertum, longule-funiculatum. Bacca stylo persistente coronata. Semen compressulum, reniforme, dorso gibboso-verrucoso, micropyle hylo proxima. Embryo hypocrepicus.

Folium solitarium, rectum. Petiolus, excepto imo brevi vaginato, teres. Lamina fol. pedato-tricruris.

1. **polyphyllum** *L. (Sp. pl. ed I. p. 967. — 1753.)* — Petiolus longus, verrucoso-asperatus, praecipue basin versus, ex purpureo lividus, maculis virescente-albentibus, crebris ornatus. Lamina folii pedato-trisecta l. partita, partitione media a medio iterum tripartita, reliquis duabus infra medium bipartitis, omnibus irregulariter inaequaliterque, inferne subopposite-pinnatipartitis, superne decursive pinnatipartitis, partitionibus l. segmentis plerumque lacinulae oppositis, hinc inde foraminibus instructis, venis remotis in pseudoneurum a margine subremotum conjunctis. Pedunculus brevissimus. Spatha atropurpurea, cuspidato-acuminata. Spadix breviter-ellipsoideus, stipite pallide ex roseo purpurante. Flosculi caerulescenti-

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purpurei, sepalis vertice verrucosis. Baccae abortu saepe monospermae. — Surinama (*L.*) — *v. v. et s.*

**ECHIDNIUM** *S.* Spatha subarrecta. Spadix cylindroideus, stipitatus, stipite pro parte spathae accretus. Sepala 4-5, irregulariter-imbricata l. subcontorte-imbricata. Ovarium hemiphragmate angusto instructum. Stylus subcylindricus. Stigma ovale, punctiforme, minutum in centro styli verticis. Ovula 2, e hemiphragmatis acie, hemianatropa, breviter-funiculata.

Folium Dracontii.

1. **Schomburghii** *S. (Bot. Wochenbl. 1857. p. 62.)* — Laminae fol. laciniae cuspidato-acuminatae. Spatha rectiuscula, breviuscula. Spadix cylindraceo-oblongus, appendiculo brevissimo acutatus, sesquipollicaris. Ovula ad basin hemiphragmatis, brevissime-funiculata. — Guiana anglica. Schomburgh. — *v. v. s. flor. et s. c. fl. in Herb. G. Berol. Synon.* Dracontium dubium. Knth.
2. **Spruceanum** *S. (Oestr. B. Zeitschr. p. 350. 1858.)* — Folii laminae partitiones decursive pinnatipartitae, laciniis (segmentis) hinc inde foraminibus instructis, apice obtusatis l. rotundatis, cuspidulo brevi auctis, pseudoneuro duplici a margine subremoto ornatis. Petiolus longus ut pedunculus elongatus subtransverse maculato-variegatus, maculis brunneis, rubentibus, viridibus et albis. (Spruce.) Spatha recta, oblonga, acuminata

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atropurpurea. Spadix subtripollicaris, stipitis parte libera semipollicari. Antherae breves. Ovula 2 e medio hemiphragmate exserta, breviter-funiculata. — Brasilia borealis. Spruce. — *v. s. in Herb. Hooker.*

**OPHIONE.** *S.* Spatha curva. Spadix digitiformis. Flosculi tetra-penta-meri. Sepala aestivatione irregulariter imbricativa. Stamina vix l. parum exserta, antheris apice rimula aperientibus. Ovarium in stylum conoideum brevem attenuatum, 4-5-loculare, stigmate minuto 4-5-lobulato coronatum. Ovulum in medio loculamento ex axi exsertum, curvatum, lateraliter breve-funiculatum, micropyle fundum versus spectante.

1. **Purdieana** *S. (Oesterr. B. Wochenbl. 1857. p. 101.)* — Petioli crassi, variegati, inferne longe-vaginati. Lamina fol. . . . . Vagina bracteans, longa crassa. Pedunculus vaginam petiolarem bracteamque paulo superans 10-12-pollicaris. Spatha 6 pollices longa, cuspidato-acuminata, margine (exsiccatione?) crispula. Spadix sesquipollicaris, breviter-stipitatus. Sepala vertice et dorso dense-verrucosa. — Nova-Granata. Purdie. — *v. s. sine fol. lamina in Herb. Hooker.*

**SYMPLOCARPUS.** Salisbury. Sepala 4 irregulariter-incumbentia, inferne connexa, demum accrescentia, baccantia. Ovarium uniloculare, rhachi immersum. Stylus tetragono-pyramidalis. Stigma subhemisphaericum styli verticem fere obtegens. Ovulum

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solitarium, lateraliter ex apice cavitatis pendulum funiculo brevi affixum. Fructus e baccis rhachi spongiose incrassatae immersis, illius ope connatis, diu persistentibus. Semen rotundatum. Embryo macropodus.

Folia integerrima, subcordata.

1. **foetidus.** Salisb. *(in Nutt. Gen. 105. 1818.)* — Folii lamina late-cordata, crassa, venis nerviformibus arcuatis longo procursu in marginem excurrentibus. Spatha fere epigaea, livide-purpurea, pallide viride maculata. Spadix odorem alliaceum, spargens. — Amer. boreal. — *v. v. et s.*

**SUBTRIBUS ORONTIONINAE.** *S.* Spatha soluta, pedunculum tubulose obvestiens in laminam apice explanata l. absque lamina in vaginam reducta. Spadix elongatus. Flores ab imo ad apicem spadicis evoluti. Sepala 4-6, exteriora 2-3 interiora obtegentia. Filamenta vix exserta. Antherae exsertae, loculis appositis, ultra connectivum productis, apice attenuatis, rima aperientibus. Ovarium 1-2-loculare. Stylus manifestus vix ullus, nisi ovarii apex attenuatus. Stigma minutum, rotundatum.

Folia proteranthia, integerrima, venis nerviformibus arcuatim arrectis, ad laminae apicem tendentibus, margine saepe subparallelis, venulis transversis. Pedunculus elongatus, ultra spatham productus.

**LYSICHITON.** *S.* Spatha in laminam ovatam cucullatam coloratamque extensa, spadicem in juventute obvolucrans. Spadix cylindricus

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pedunculo crassior. Flores hexameri. Antherae ovatae. Ovarium in stylum conoideum attenuatum, rhachi immersum biloculare. Ovulum in loculamento solitarium, e medio axeos exsertum, anatropum. Fructus e baccis rhachi immersis, ex eo omnibus connexis, diu persistentibus. Semen ventre planum, dorso convexum, ambitu ellipticum. Embryo macropodus.

Paludosa amans. Folia longe petiolata, lamina oblonga, venis nerviformibus e costa tota ascendentibus. Pedunculus longus. Spatha flava.

1. **Camtschatcense** *S. (Oest. B. Wchnbl. 1857. p. 62.)* — Folia apice acuta, basin versus in petiolum angustata, costa crassa, venis nerviformibus arcuatim versus apicem laminae extensis, venulis irregulariter transversis, remotiusculis. Pedunculus foliis brevior, longe a spathae tubo denudatus. Spadix crassus, proportione brevis. Spatha ovata l. ovato-oblonga. — Sibiria, Sitcha. *v. s. e variis Herbariis.*

**ORONTIUM**. *S.* Spatha ad vaginam tubulosam pedunculum ad medium circiter obvestientem, in ligulam erecto-patentem exeuntem reducta. Spadix conoideus, e pedunculo fere crassiori attenuatus. Flores infimi hexa-, supremi tetra-sepali. Antherae breves. Ovarium vertice brevissime conoideum, 1-loculare, 1-ovulatum, ovulum ad basin loculamenti, funiculo brevi exsertum, anatropum, micropyle

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parietem supremum respiciente. Semen exalbuminosum. Embryo macropodus.

Herba aquatica. Folia longissime petiolata, lamina elliptica. Pedunculus longissimus.

1. **aquaticum.** *L. (Amoen. 3. p. 17. t. 1. f. 3. 1756.)* — Petiolus teres. Lamina fol. oblongo-elliptica, inferne subcuneatim marginibus conniventibus antice in petiolum angustata, apice subobtusata, breviter apiculatocuspidata, supra viridis, subtus glauca, venis margini parallelis, fere e costae imo exsertis, pluribus, apice arcuatim convergentibus tota longitudine percursa, venulis irregulariter et oblique transversis remotis, tenuissimis aucta. Pedunculus debilis, sub aqua reconditus. Spadix ex aqua prominens. — America borealis. — *v. v. et s.*

**SUBTRIBUS SPATHIPHYLLINAE.** *S.* Spatha primum colorata, tandem foliiformis, virescens, vegetopersistens. Spadix floribus ex toto liberis a basi ad apicem spadicis maturescentibus. Sepala libera l. connata, aestivatione saepe irregulari, imbricata, exterioribus interiora obtegentibus. Antherae exsertae, loculis appositis, ultra connectivum productis, apice rima aperientibus. Stylus manifestus nullus, sed ovarium in pluribus prolongatione rostratum. Ovula pendula axifixa. Baccae liberae. Semen albuminosum.

**SPATHIPHYLLUM.** *S.* Spatha juvencula cochlearis, intus albescens, adulta foliaris, pedunculo antice plus minusve decurrens. Spadix

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ob pedunculum ultra spathae imum productum, stipitatus, spatha brevior. Sepala 6, in eleutherosepalis regularibus tria exteriora majora, unum supremum 2 inferiora, in gamosepalis ex toto in cyathum apice truncatum connata. Filamenta brevia. Ovaria sepala non superantia l. conice in rostrum producta, 3-(4)-locularia. Stigma sessile deplanatum, 3-(4)-lobum. Ovula 2 l. plura in quolibet loculamento, funiculis breviusculis, medio axeos affixis. Baccae coloratae, haud multo ex ovario accretae. Semen oblongo-nephroideum, chalaza verticem, micropyle imum (secundum suspensionem), revera prior basin posterior apicem occupans. Germinatio subremotiva.

Herbae. Rhizoma breve. Folia equitantia. Petioli longe-vaginati. Geniculum manifestum. Lamina oblonga integerrima. Venae tenues, rectiusculae l. parum arcuatae, venulis costalibus pluribus intervenium parallele occupantibus comitatae. Vaginae turionales l. bracteantes vegeto-persistentes.

* Sepala in cyathum truncatum, margine incurvum, connata.

1. **Bonplandii.** *S. (Oesterr. B. Wochenbl. 1857. p. 158.)* — Lamina fol. elliptico-oblanceolata, a medio basin versus sensim in geniculum nudum longum angustata, apice cuspidato-acuminata, venis arrecto-ascendentibus, intervenio trivenuloso magis approximatis. Spatha oblongo-lanceolata, basi sub-

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repentino angustata in partem cuneatam brevem, subdecurrentem, apice cuspidata. Spadix juliformis, quam spatha paulo brevior, inferne pedunculo intra spatham stipitiforme, longiuscule- et brevissime-adnate-progrediente suffultus, parte florigera stipite 5-6-tuplo longiore. — Cumana Bonpland ad Orinocum Willdenow. — *v. s. in Herb. G. Berol.*

*Synon.* Pothos cannaefolia Humb. Knth.
Monstera cannaefol. Knth. pro parte?

2. **cannaefolium.** *S. (Aroid. I. p. 1. t. 1. 1853.)* — Lamina fol. elliptico-oblonga, basi subsensim in geniculum longulum vix nudum, decurrens, apice cuspidata, venis patentibus, rectiuscule ascendentibus, remotiusculis, venulis sub-7 comitatis. Spatha lanceolato-l. elliptico-oblonga, basi repentino-angustata, subsessilis, vix decurrens apice cuspidata. Spadix juliformis, spatha ultra $^1/_3$ brevior, inferne pedunculo intra spatham continue stipitiforme procedente suffultus, rhachi florigera stipite 8-tuplo longiore. — Brasilia borealis Poeppig. — *v. s. in variis Herbariis.*

3. **commutatum.** *S. (Oesterr. B. Wchnbl. 1857. p. 158.)* — Lamina fol. late-ovata; basin versus rotundata et imo breviter-cuneata, apice repentino breviter-acuminata, venis aperte patentibus, sub-7, venulis remotis.

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Spatha oblongo-lanceolata, basi sensim linea arcuata in pedunculum angustata, breviter-decurrens, apice longe cuspidato-acuminata. Spadix juliformis, mediam spatham attingens, inferne, pedunculo intra spatham stipitiforme et longe progrediente (sesqui-pollicari longitudine) suffultus, axi florigero quam stipes duplo longiore. — Philippinae. Cuming., Amboina. Doleschall. — *v. s.*

4. **Lechlerianum.** *S.* Lamina fol. anguste-lanceolata, (6-8 pollices longa, pollicem l. vix sesqui-pollicem lata), basi longe sensimque angustata, apice longe sensimque acuminata, venis erecto-patentibus, rectiuscule in marginem procurrentibus venulis sub-3 vix remotis venulis interjectis. Pedunculus petiolis longior. Spatha oblonga, (tripollicaris longitudine, pollicaris latitudine), basi repentino contracta et cuneatim longe decurrens, apice elongato cuspidato-acuminata, spadice duplo longior. Spadix juliformis, spathae medium attingens, inferne pedunculo intra spatham stipitiforme protenso, basi ad $^2/_3$ adnato, reliqua parte libero stipatus, rhachi florigera stipite (toto) brevior. — Peruvia. Lechler. — *v. s. in Herb.* Hooker.

5. **Gardneri.** *S. (Aroid. I. p. 2. t. 3. 1853.)* — — Lamina fol. oblongo-lanceolata, basi sensim ad geniculum longum, nudum angustata, apice cuspidato-acuminata, venis paten-

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tibus rectiusculis, remotis, venulis in intervenio 7, comitatis. Spatha elliptico-lanceolata, basi subrepentino acutata, per brevissimum spatium decurrens, apice cuspidato-acuminata. Spadix digitiformis; spathae medium attingens, inferne pedunculo intra spatham stipitiforme protenso sustentus, axi florigero stipite toto triplo longiore. Baccae densae, e sepalis vix dimidio exsertae, rotundato-obovoideae, stigmatis rudimento elevato coronatae, triloculares, loculamentis subtetraspermis. Semen irregulariter triquetrum, funiculo brevi, testa rugosa. — Brasilia. Gardner. — *v. siccum. in var. Herbar.*

6. **brevirostre.** *S. (Aroid. I. p. 2. 1853.)* Lamina fol. petiolo longiore, oblongo-lanceolata, acuta, basi parum in petiolum decurrente, margine undulata, venis . . . . . Spatha oblongo-elliptica, basi sensim angustata, pedunculo breviter decurrens, apice abrupte rotundata, longe subulate-acuminata. Spadix juliformis, spathae medium vix superans, inferne pedunculo intra spatham longe stipitiforme producto, dimidio libero, sustentus, axi florifero stipite duplo et ultra? longiore. (Ovarii apex stigmatifer non prominens.) — Mexico. Liebmann. — *Inflorescentiam v. in Herb.* Liebm.

*Synon.* Hydrostachyum brevirostre. Liebm.

** Sepala omnia libera.

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a. Ovaria, sepala vix l. paulo superantia, erostria.

7. **fulvovirens**. *S. (Oest. B. Ztschr. 1858. p. 179.)* — Lamina fol. late-elliptica, basi abrupte rotundata, vix brevissime in geniculum cuneata, apice arcuatim angustato cuspidata, venis aperte-patentibus, rectiusculis, venulis in intervenio sub-7 comitatis, remotiuscule-distributis. Spatha oblongo-lanceolata, basi repentino angustata, pedunculo breviter decurrens, apicem versus sensim leviterque angustata, summo apice subcontracta, abrupte breviter subulato-cuspidata. Spadix juliformis quam spatha paulo brevior, inferne pedunculo intra spatham stipitiforme breviter producto sustentus, axi florifero stipite multoties longiore. (Ovaria stigmate subsessili.) — Costa-rica. Wendland. — *v. s. in Herb.* Wendl.

8. **atrovirens**. *S. (Oesterr. B. Zeitschr. 1858. p. 179.)* — Lamina fol. late elliptico-oblonga, inferne subrepentino contracta, imo longe-cuneato in geniculum producto, apicem versus sensim leviterque angustata, summo apice repentino contracta breviterque cuspidata, venis aperte patentibus, rectiusculis, intervenio obsolete 7-venuloso approximatis. Spatha obovato-elliptica, basi ex longo (medio) sensim deorsum angustata, pedunculo decurrens, apicem versus repentino arcuatim angustata et subabrupte subulato-acuminata. Spadix juliformis spatha

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triente brevior, inferne pedunculo spatham stipitiforme intrante, ultra medium adnato, libera parte longa sustentus, rhachi florifera stipitem totum (ab imo spathae ad florum spicam) aequans, libera parte triplo longior. (Ovaria cacumine prominentia.) — Costarica. Wendland. — *v. s. in Herb.* Wendl.

9. **cuspidatum.** *S. (Oest. B. Wochenbl. 1857. p. 158.)* — Lamina fol. oblongo-elliptica, l. lanceolato-oblonga, basi acuta, apice cuspidata, venis patentibus, arcuatim ascendentibus, intervenio 3-4-venuloso remotis, venulis interjectis. Spatha lanceolata, basi cuneata, pedunculo vix decurrens, apice longe et anguste acuminato-cuspidata. Spadix juliformis, spatha plus triente brevior, inferne pedunculo intrante spatham et stipitiforme producto sustentus, parte florifera stipite triplo longior. (Ovaria stylo brevissimo aucta, parte stylina sepala superantia.) Baccae haud multo accrescentes. Semen sulcato-rugosum. — Demerara. Parker. Surinama Splitgerber. — *v. s. in Herb.* Hooker *et* Splitgerb.

b. Ovaria sepala longe superantia rostrata.

10. **Humboldtii.** *S. (Aroid. I. p. 2. t. 3. 1853.)* — Lamina fol. oblongo-elliptica l. oblonga, basi subrepentino angustata, imo cuneato in geniculum defluente, apice cuspidato-acuminata, venis aperte-patentibus, rectiuscule

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ascendentibus, subapproximatis intervenio trivenuloso remotis. Spatha elliptico-oblonga, basi subrepentino fere in pedunculum non decurrenter vero, angustata, apice longiuscule cuspidata. Spadix juliformis quam spatha $^2/_5$ brevior, inferne pedunculo intra spatham stipitiforme producto sustentus, axi florifero stipite triplo et ultra longiore. (Ovaria ultra sepala stylo? brevi subconoideo producta, loculamentis superposite 4-ovulatis. — Surinama. Hostmann. — *v. s. in Herb. Monacense.*

11. **Schomburghii.** *S. (Oest. B. Wchnbl. 1857. p. 158.)* — Pusilla vix pedalis l. sesquipedalis, petiolo 3-4-pollicari. Lamina folii angusta, lanceolata, 5-7 pollices longa, pollicem lata, basi acutata, apice acuminata, venis intervenio 3-5-venuloso remotis erecto-patentibus. Spatha lanceolata, $2^1/_2$ pollices longa, basi sensim in pedunculum angustata, apice elongato-acuminata. Spadix juliformis spatha tertia parte brevior, inferne pedunculo intra spatham stipitiforme progrediente, (4-5 lineas longo), sustentus, parte florigera quam stipes liber triplo longiore. Ovaria conice attenuata sepala superantia. — Guiana anglica. Schomburgh. — *v. s. in Herb. Hooker.*

12. **Candolleanum** *S.* Lamina fol. petiolo 5-8 pollices longo, ad geniculum usque haud vaginato praedita lanceolata l. lanceolato-oblonga, 6-9 pollices longa $1-1^1/_2$ pollices

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lata, basi in geniculum acutata, apice acuminata, venis intervenio trivenoso remotis, subarcuatis, patentibus. Pedunculus foliis duplo, petiolo fere triplo longior. Spatha oblongo-elliptica, sub-4-pollicaris ultra pollicem lata, basi repentino contracta, parum decurrens, apice cuspidato- longe-acuminata. Spadix juliformis, spatha duplo fere brevior, inferne pedunculo spatham intrante, stipitiforme procedente, (8 lineas circiter longo) libero, suffultus, axi florigero stipite duplo longiore. (Ovaria conice attenuata, sepala superantia.) — Cayenna D. C. — *v. s. in Herb. D.C.*

13. **lanceaefolium** *S. (Melet. I. p. 22. 1832.)* — Lamina fol. late elliptico-lanceolata, basi sensim in geniculum longulum angustata, apice longe-cuspidata, venis subarcuatis, patentibus, intervenio trivenuloso remotis. Spatha oblongo-lanceolata, basi sensim angustata, pedunculo longe-decurrens, apice cuspidato- longe-acuminata. Spadix digitiformis, spathae medium attingens, inferne pedunculo per pollicare spatium spathae accreto, per semipollicare libero stipitiforme suffultus, parte florigera quam stipitis pars libera triplo longiore. Ovaria longe-producta. — Caracas. Jacquin. — *v. s. in Herb. Mus. Vindob.*

14. **Friedrichsthalii**. *S. (Aroideae. I. p. 2. t. 4. 1853.)* — Lamina fol. oblongo-oblanceolata, basi sensim angustata in geniculum

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longum, apice cuspidato-acuminata, venis arrectis, intervenio 7-venuloso remotis. Spatha obovata, basi sensim angustata, pedunculo longe decurrens, apice subabrupte angustata, in cuspidem sat longum. Spadix digitiformis, haud spatham mediam attingens, inferne pedunculo per sesquipollicare spatium spathae adnato, demum libero et stipitiforme protenso suffultus, parte florifera quam stipes solutus 6-ies longiore. Ovaria longe ultra sepala producta, loculamentis superposite pluriovulatis. — Guatemala. Friedrichthal. — *v. s. in Herbar. Mus. Vindob.*

15. **Fendleri** *S. (Oestr. B. Wochenbl. 1857. p. 159.)* — Lamina fol. oblongo-elliptica, basi repentino-acutata, apice haud longe-cuspidata, venis hinc aperte patentibus, illinc patentibus, omnibus intervenio septem venuloso remotis. Spatha elliptica, basi sensim angustata, pedunculo longe decurrens, apice subabrupte in cuspidem longam angustata. Spadix digitiformis, spathae medium circiter attingens, inferne pedunculo per pollicare l. ultra-pollicare spatium spathae adnato, apice parum libero et stipitiforme prolato suffultus, parte florigera quam stipes totus brevior, quam solutus 8-ties longiore. Ovaria longe-exserta, loculamentis sub-8-ovulatis. — Isthmus Panamae Fendler. — *vid. s. in Herbar. Hooker.*

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16. **phryniifolium** *S. (Oest. B. Wochenbl. 1857. p. 159.)* — Lamina fol. late-oblonga, basi repentino-angustata l. rotundata, imo in geniculum longum abbreviato-cuneatim defluens, apicem versus subsensim acutata, in cuspidem elongatam terminata, venis patentissimis in margine leviter ascendentibus intervenio 5-venuloso remotis. Spatha elliptico-oblonga, basi sensim angustata, pedunculo longe decurrens, apice sensim in acumen cuspidatum angustata. Spadix digitiformis, spathae medium multo superans, illa 4-ta parte brevior, inferne pedunculo longitudine semipollicari spathae accreto, apice spatio 4-lineari libero et stipitiformi suffultus, parte florigera stipite soluto 7-8-ties longiore. Ovaria ultra sepala valde protensa, loculamentis biovulatis. — Isthmus Panamae. Fendler. — *v. s. in Herb. Hooker.*

17. **Wendlandii** *S. (Oesterr. B. Zeitschr. 1858. p. 179.)* — Lamina fol. oblongo-obovata l. obovato-oblonga, a medio basin versus sensim extrorsum arcuate-angustata, imo longe introrsum-curvato-cuneato in geniculum decurrente, apicem versus repentino arcuata linea angustata in cuspidem summo apice triangularem brevem subabrupte producta, venis patentibus, intervenio univenulato remotis. Spatha late obovato-oblonga, pedalis, basi sensim introrsum arcuata longe-angustata, pedunculo longissime defluens,

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apice repentino linea extrorsum arcuata contracta, cuspide lanceolata, longula, terminata. Spadix ultra mediam spatham (totam!) productus, digitiformis, inferne pedunculo longissimo spatio accreto, apice tantum per lineas 4-5 soluto et stipitiforme sustentus, rhachi florigera stipite toto breviore, stipite soluto multoties longiore. Ovaria praelonge prominentia, loculamentis superposite 6-ovulatis. — Costa-rica. Wendland. — *v. s. in Herb. Wendl.*

*Observ.* Sesquipedale l. ultra bipedale. Spatha alba, costa amoene-virente, venis imo viridulis. Spadix albus. Wendl.

18. **blandum**. *S. (Oest. B. Wchnbl. 1857. p. 159.)* — Lamina fol. elliptico-oblonga l. oblonga, utrinque subrepentino-, basi in geniculum longulum, apice in cuspidem vix longam angustata, venis patentibus, intervenio 5-7-venuloso remotis. Spatha elliptico-oblonga, basi repentino acutata, pedunculo longissimo spatio decurrens, apice cuspidato-longe-acuminata. Spadix digitiformis ultra spathae medium valde productus, inferne pedunculo spatham intrante ex toto accreto, per 4-5-pollicare spatium stipitiforme sustentus. Ovaria valde prolongata, loculamentis biovulatis. — Patria? — *v. v.*

19. **Liebmanni**. *S. (Aroid. I. p. 2. 1853.)* — Lamina fol. oblonga, apice abrupte apiculata, basi rotundata, imo triangulari in geniculum cuneata, venis patentissimis, inter-

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venio sub-14-venuloso remotis. Spatha oblongo-elliptica, inferne repentino-angustata, pedunculo parum decurrens, apice acuminato-cuspidata. Spadix digitiformis, ad spathae medium prolatus, inferne pedunculo spatham intrante ex toto accreto, per sesquipollicare l. vix bipollicare spatium stipitiforme accretus. Ovaria valde prolongata. Mexico, Mirador. Liebmann. — *v. s. in Herb. Liebm.*

*Syn.* Hydnostachyon cochlearispath. Lbm.

20. **heliconiaefolium.** *S. (Aroid. I. p. 2. t. 5-6. 1853.)* — Lamina fol. late oblonga, basi rotundata, ima basi in geniculum subcuneata, apice subrepentino acutata, cuspidata, venis patentissimis, intervenio sub-14-venuloso remotis. Spatha ovata l. oblongo-ovata, basi abrupte subcordate contracta et per spatium sesquipollicare ut margo angustissimus crispatus pedunculo decurrens, apice sensim in acumen cuspidatum angustata. Spadix digitiformis, spathae medium attingens, inferne pedunculo spatham intrante, longitudine pollicari accreto, apice tantum brevi spatio libero, stipitiformi suffultus. Ovaria ultra sepala valde protensa, loculamentis 6-ovulatis. Baccae viride-flaventes, subrubentesque. Semen nephroideum l. nephroideo-obovoideum, verruculosum. — Patria? — *v. v.*

21. **longirostre.** *S. (Aroid. I. p. 2. 1853.)* — Lamina fol. oblongo-lanceolata (30 poll.

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longa, 9 poll. inferne lata), basi rotundata, subcordata, apice ex longo sensim angustata, longe acuminato-cuspidata, venis patentissimis, intervenio sub-14-venuloso remotis. Spatha elongato-lanceolato-oblonga (9-11 poll. longa), utrinque angustata, basi valde (2½-3 poll.) infra spadicem decurrente, apice cuspidato-acuminata. Spadix digitiformis, ad l. ultra spathae medium productus, inferne pedunculo spatham intrante per spatium fere bipollicare accreto, apice longitudine subpollicari soluto stipitiforme sustentus. Ovaria longe- et acute-prominentia, loculamentis 4-ovulatis. — Mexico, Colipa. Liebmann. — *v. s. in Herb. Liebm.*

*Synon.* Hydnostachyum longirostre. Lbm.

Obscurum.

22. **lanceolatum.** C. Kch. *(Berl. Allg. Grtztg. 1857. p. 174.)* — Folia magna, longe-petiolata, nervis lateralibus majoribus 32-36 patentissimis pereursa. Spatha elliptica, ad apicem magis cuspidata, basi petiolo oblique adnata, leviter scaphiformis. Spadix crassus, stipite nervo mediano spathae adnatus. Perigonii sepala 6, biserialia. Germen triloculare, ovulis 6, biserialibus in quoque loculo. — C. Kch. — *Habit.?*

*Synon.* Massovia lanceolata. C. Kch.

**SUBTRIBUS ANTHURINAE.** *S.* Spatha vaginalis, vegeto-persistens. Spadix a basi florens, floribus

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liberis arcte-contiguis. Flosculi pleiosepali, sepalis exterioribus majoribus, reliqua obcumbentibus. Antherae exsertae l. longe exsertae, loculis appositis ultra connectivum productis, tandem dorsalibus. Ovarium loculamentiferum. Stylus manifestus nullus, ovarium vero in certis e sepalis prominens, conice-rostratum. Stigma pulvinulare. Ovula septo appensa. Semina albuminosa.

**ANTHURIUM.** *S.* Spatha ad basin usque explanata, herbacea l. colorata, erecta, patula l. refracta. Spadix varius. Ovarium septo axeos directione, loculamentis 2-, l. abortu regulari uniovulatis. Stigma septi directionis. Ovula anatropa, breviter-funiculata. Baccae maturitate e sepalis protrusae, varie-coloratae.

Caudex abbreviatus, elongatus, scandens et radicans. Vaginae stipulares oppositifoliae, saepe folio deficiente bis, ter, superpositae. Petiolus imo tumid. brevissime vaginulatus, apice geniculatus. Lamina fol. pseudoneuro intimo continuo, interrupto l. terminali instructa. Pedunculi solitarii. Germinatio admotiva.

### Simplicinervia.

### Grex 1. **Tetraspermium.**

Caudex elongatus debilis. Petioli longuli. Lamina fol. chartacea, lanceolato-elliptica, inferne cuneata; infra l. utrinque nigro-

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punctata; costa et venae tenues; pseudoneura continua. Pedunculi longuli, tenues. Spadix brevis, pauciflorus. Ovarii loculamenta biovulata. Baccae sphaeroideae, coloratae, loculamentis dispermis.

1. **dolosum.** *S. (Oest. B. Ztschr. 1858. p. 179.)* — Caudex internodiis longulis. Petioli potius breves, antice leviter-sulcatis, in geniculum proportione longulum sulcatum transgredientibus. Lamina fol. petiolo quintuplo longior, lanceolata, apice acuminata, utrinque punctata, supra punctis majoribus sparsioribus, infra minoribus, densius collocatis, venis plurimis, pseudoneuro intimo a margine distantiusculo. Pedunculus petiolo duplo longior. Spatha lanceolata, acuminata, spadicem subaequante. Spadix cylindricus. — Guatemala. Wendland. — *v. s. in Herb. Wendl.*
2. **violaceum.** *S. (Melet. p. 22. 1832.)* — Caudicis internodia longula. Petiolus teretiusculus, antice anguste-canaliculato-sulcatus. Geniculum longulum. Lamina fol. petiolo 2-3-plo longior, lanceolato-ovata, utrinque acuta et punctata, supra punctis sparsis majoribus, infra densioribus minoribusque. Pedunculus petioli circiter longitudine. Spatha lanceolata, virens. Spadix cylindricus, spatham superans. Baccae lilacino-violaceae. — Jamaica. Swarz. — *v. v.*
3. **leucocarpum.** *S. (Oest. B. Wchnbl. 1857. p. 53.)* — Caudicis internodia longula. Pe-

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tiolus semiteres, antice planiusculus. Lamina fol. ovato-lanceolata, utrinque punctata, supra sparsius, infra densius punctis minoribus, basi acuta, apice acuminata, petiolo triplo et ultra longior. Pedunculus petiolo longior. Spadix cylindricus, brevis, quam spatha ovato-lanceolata, virens vix l. paulo longior. Baccae albae. — Mexico. Schiede. — *v. v.*

*Synon.* Anthur. violaceum, var. leucocarpum. Hortor.

*Observ.* Plantula germinata e primo nodo vaginam e secundo folium profert.

4. **virgosum.** *S. (Oesterr. B. Zeitschr. 1859. p. 100.)* — Caudices parum l. vix ramosi, elongati, internodiis brevissimis, vaginis stupose decompositis superne vestitis. Petioli breves, canaliculato-sulcati. Geniculum longulum, sulcatum. Lamina fol. ovato-lanceolata utrinque acutata, supra impunctata, infra densiuscule punctata. Pedunculi petiolo longiores. Spatha lineari-lanceolata cuspidulato-apiculata. Spadix juliformis, pollicaris, spatha paulo longior. — Brasilia. Riedel. — *v. s. in Herb. Hort. Petropol.*

*Observ.* In arboribus excelsis, raro detegitur. Riedel.

5. **rigidulum.** *S. (Oesterr. B. Zeitschr. 1858. p. 180.)* — Caudex elongatus, tenuis, internodiis subapproximatis. Petioli breves. Geniculum breviusculum. Lamina fol. petiolo 7-plo — decuplo longior, lanceolato-ovata l.

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oblongo-ovata, supra vix punctata l. manifeste impunctata, infra punctis densis minutissimis conspersa, basi repentino-cuneata, apice sensim acutata. Pedunculus petiolo duplo et ultra longior. Spatha oblongo-lanceolata, spadice cylindrico paulo brevior. — Costa-rica. Hoffmann. — *v. s. in Herb. G. Berol.*

6. **trinerve.** Miq. *(Linnaea 17. p. 67. 1843.)* — Caudicis internodia brevia. Petiolus internodio multoties longior, saepe tripollicaris. Geniculum longulum. Lamina fol. ovato-lanceolata l. oblonga, infra tantum punctata, basi acuta, apice acuminata, petiolo longior. Pedunculus petiolum superans. Spatha ovato-lanceolata. Baccae albidae. — Surinama. Miquel, Brasilia bor. Spruce. — *v. s. in plur. Herbar.*

*Synon.* Anthur. brachyspathum. C. Kch.

*Observ.* Saururus Plumier Amer. t. 78 certe ad hanc speciem ducendus. Spadix verosimiliter e descriptione exstructus.

### Grex 2. **Porphyrochitonium.**

Caudex contracte-nodosus, assurgens. Petioli sulcati, longi. Lamina fol. pergamena, lanceolata, inferne rotundata, costa crassula, venis tenuibus, pseudoneuro continuo, punctata. Pedunculi elongati. Spatha latissime-elliptica, (coccineo)-colorata. Spadix longulus, multiflorus. Ovarii loculamenta biovulata.

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7. **Scherzerianum**. *S. (Oest. B. Wchnbl. p. 53. 1857.)* — Caudicis brevis internodia brevia. Petioli sulcati, internodio multoties longiores. Geniculum mediocre, sulcatum. Lamina fol. oblonga l. lanceolato-oblonga, basi rotundata l. obtusata, apice acuminato-cuspidata, apiculo tenui longulo instructa, utrinque aequidense punctata, petiolo longior, pseudoneuro a margine subremoto. Pedunculus petiolo duplo longior, folio toto brevior. Spadix juliformis, subcylindroideus, vix stipitatus, coccineus. Spatha intense coccinea, spadice plus minusve brevior, late-elliptica, (longitudine $1\frac{1}{2}$-2 pollicari, latitudine 1-$1\frac{1}{2}$ poll.), basi rotundato late-amplexans, apice quoque rotundato abrupte breviter-cuspidulata. — Guatemala. Scherzer. — Costa-rica Wendland. — *v. s. in Herb. Mus. Vindob. et Herb. Wendl.*

### Grex 3. **Xialophyllium.**

Caudex elongatus, prostratus l. assurgens. Petioli teretes l. sulcati, longuli l. longi. Lamina fol. pingue membranacea lanceolata, oblonga l. ovata, inferne rotundata l. subcordato-emarginata, imo in geniculum cuneato, costa haud crassa, venis tenuibus, pseudoneuro continuo, interdum punctata. Pedunculi elongati. Spatha lanceolata. Spadix brevis, multiflorus, raro elongatus. Ovarii loculamenta abortu nor-

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mali uniovulata. Baccae subacutatae (omnium?) coloratae.

8. **Purdieanum.** *S. (Oest. B. Wchnbl. 1857. p. 53.)* — Caudicis decumbentis internodia longa. Petiolus teres internodio multo brevior. Geniculum breve. Lamina fol. lanceolato-oblonga, inferne rotundata, apice acuminata, infra punctata, petiolo 3-plo 4-plove longior, pseudoneuro a margine remoto. Pedunculus folium aequans l. superans, petiolo 3-plo 4-plove longior. Spadix myosuroideus, stipite 4-5-lineari suffultus, quam spatha lanceolato-linearis, elongata, duplo circiter longior, quam pedunculus duplo brevior. Ovaria uniovulata? — Nova-Granata. Purdie. — *v. s. in Herb. Hooker.*

9. **stipitatum.** Benth. *(Pl. Hartweg. p. 255. Nr. 1403. 1839.)* — Caudicis decumbentis internodia longa. Petiolus teres internodio longior. Geniculum longulum. Lamina fol. lanceolato-oblonga, inferne rotundata, apicem versus sensim angustata angusteque longe-cuspidata, utrinque? punctata, petiolo brevior, pseudoneuro a margine remoto. Pedunculus petiolo duplo longior, folio toto brevior. Spadix myosuroideus, stipite longo saepe praelongo sustentus, cum stipite quam spatha lanceolato-linearis duplo longior, absque stipite sesquilongior. — Ovaria uniovulata? — Nova-Granata. Hartweg. — *v. s. in Herb. Benth.*

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10. **amoenum.** Kuth. *(Ind. sem. Hort. Berol. 1848. p. 11.)* — Caudicis assurgentis internodia longula. Petiolus teres, internodio multoties longior. Geniculum longulum, sulcatum. Lamina fol. novelli refracta, adulti elongato oblongo-lanceolata l. elliptico-oblonga, inferne rotundata, apice acuminata et longe-cuspidata, utrinque punctata, vegetioris stirpis minus punctata, petiolum subaequans, pseudoneuro a margine plus minusve remoto. Pedunculus petiolo multo longior, folio toto brevior. Spatha lanceolata, acuminata, spadice parum l. multo brevior, virens l. rubens. Spadix subcylindroideus, sessilis l. substipitatus. Bacca apice conice attenuata, flavo-virens in cacumine, medio atroviolacea. Semen flavo-virens. — Venezuela. Appun. — *v. s. in Herb. G. Berol., v. cult.*

11. **humile.** *S.* Caudicis supra terram (Poepp.) assurgentis internodia brevia. Petiolus teres? internodio multoties longior. Geniculum longulum. Lamina fol. elliptico-oblonga, basi rotundata, apice longe-angusteque cuspidata, impunctata, petiolo longior, pseudoneuro a margine remotiusculo. Pedunculus petiolo paulo longior. Spatha lanceolata, longe-acuminata, spadicem aequans. Spadix subcylindroideus, sessilis. — Peruvia. (Poeppig.) — *v. s. in Herb. Poepp.*

*Synon.* Pothos humilis Poepp. in Herb.

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12. **pallens** *S. (Oestr. B. Ztschr. 1858. p. 180.)* — Caudicis internodia suprema brevia. Petiolus canaliculato-sulcatus, longissimus. Geniculum longulum sulcatum. Lamina fol. lanceolato-oblonga, inferne rotundata, apice longe-angusteque subabrupte cuspidata, impunctata, petiolo brevior, pseudoneuro inferne a margine distante. Pedunculus gracilis, petiolo 5-ta l. 6-ta parte brevior. Spatha lanceolato-linearis, reflexa, in acumen longissimum producta, basi amplexans, flavo-virens. Spadix juliformis, brevissime- l. vix stipitatus, flavo-virens, spatha brevior. — Costa-rica. Wendland. — *v. s. in Herb. Wendl.*
13. **porrectum** *S. (Oestr. B. Zeitschr. 1858. p. 180.)* — Caudicis assurgentis internodia elongata. Petiolus canaliculato-sulcatus, longus. Geniculum mediocre, sulcatum. Lamina fol. elongato-lanceolata, angusta, inferne obtusata l. subrotundata, apice elongato-cuspidata, impunctata, petiolo longior, pseudoneuro a margine subremoto. Pedunculus gracilis, petiolo longior. Spatha lanceolata, spadicem aequans l. superans, basi amplexans, apice acuminata, flavo-virens. Spadix brevis (pollicaris l. sesquipollicaris), breviter-stipitatus, flavo-virens. — Costa-rica Wendland. — *v. sicc. in Herbar. Wendland.*
14. **flexile**. *S. (Oestr. B. Ztschr. 1858. p. 180.)* — Caudicis assurgentis, varie flexi interno-

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dia longula l. longa. Petiolus canaliculato-sulcatus, longus. Geniculum praelongum, sulcatum. Lamina fol. oblonga l. oblongo-lanceolata, inferne leviter angustata, cordato-emarginata, apice sensim in acumen longum angustum producta, impunctata, petiolo longior, pseudoneuro a margine valde remoto. Pedunculus gracilis, petiolo multo longior. Spatha elongato-lanceolata, longe-acuminata, basi amplexa. Spadix juliformis (2 poll. long.), spatha brevior, vix l. brevissime-stipitatus. Baccae (immaturae) apice acutatae. — Costa-rica. Wendland. — *v. s. in Herb. Wendl.*

15. **Microspadix**. *S. (Oestr. B. Zeitschr. 1858. p. 180.)* — Caudicis assurgentis internodia longula. Petiolus canaliculato-sulcatus, longus. Geniculum haud longum, sulcatum. Lamina fol. lanceolata, inferne rotundata l. leviter-cordato-repanda, apicem versus leviter angustata, summo apice subrepentino in cuspidem longam, angustam prolongata, impunctata, petiolo longior, pseudoneuro margini approximato. Pedunculus gracillimus, petioli longitudini. Spatha lanceolata, apice abrupte in cuspidem longulam, tenuem contracta, basi amplexa. Spadix juliformis, absque stipite $^1/_2$-$^3/_4$ poll. longus, cum stipite $^1/_4$ poll. longior. spatha brevior, tenuiter stipitatus. Ovaria acute-prominentia. — Costa-rica Oersted. — *vid. s. in Herbar. Oersted.*

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16. **tapinostachyum**. *S. (Oestr. B. Ztschr. 1858. p. 180.)* — Caudicis assurgentis internodia longa. Petiolus canaliculato-sulcatus, internodio sesqui- l. plus duplo longior. Geniculum longulum, sulcatum. Lamina fol. ovato- l. elliptico-oblonga, inferne late-rotundata, apice in cuspidem lanceolatam subsensim angustata, impunctata, petiolo longior, pseudoneuro a margine remoto. Pedunculus internodii longitudine, strictiusculus. Spatha lanceolata, basi amplexa, apice sensim acuminata, spadice stipitato brevior. Spadix juliformis, cum stipite $^5/_4$ pollicis, absque stipite vix ultra $^3/_4$ pollicis longus, flosculis majusculis tectus. — Costa-rica Hoffmann. — *v. s. in Herb. G. Berol.*
17. **myosuroides** Knth. — *(Endl. Gen. 240. 1836—40.)* — Caudicis assurgentis internodia longula. Petiolus canaliculato-sulcatus internodio multo longior. Geniculum longulum. Lamina fol. ovato-elliptica, inferne sinu levi aperte-cordata, apice cuspidato-acuminata, impunctata, petiolo paulo longior, pseudoneuro margini approximato. Pedunculus internodio multo longior, petiolo brevior, strictiusculus. Spatha lanceolata acuminata. Spadix stipitatus, cum stipite longulo sesqui- l. bipollicaris, absque stipite $^5/_4$-$^7/_4$-pollic. — Mexico Haenke. — *v. s. internod. foliiferum in Herb. G. Berol.*
18. **microstachyum** Knth. *(En. III. p. 72. 1841.)* — Caudex scandens, radicans. Petiolus tri-

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pollicaris, apicem versus canaliculatus. Folii lamina obovato-oblonga, cuspidato-acuminata, basi levissime-cordata, subcoriacea, 6-pollicaris, 2 pollices lata, pseudoneuro a margine haud multo remoto, venis costalibus plurimis. Pedunculus teres, sesqui- l. bipollicaris. Spatha lineari-lanceolata, acuta, spadice paulo brevior. Spadix breviter-stipitatus, gracilis, cylindraceus, sesquipollicaris. — Nova-Granata Humboldt. — *v. delin. specim. in Herb. Mus. Paris. asserv.*

19. **cuspidifolium** *S. (Oestr. B. Zeitschr. 1858. p. 180.)* — Caudicis assurgentis? internodia . . . . . Petiolus canaliculato-sulcatus, 5-6-pollicaris. Geniculum modice longulum, sulcatum? Lamina fol. late ovato-oblonga, 11-13 poll. longa, 4 poll. lata, inferne sensim arcuato-angustata, imo cuneato, costam infimam in geniculum usque per spatium sesquipollicare angustissime marginante, apice longe sensimque acuminata, impunctata, petiolo duplo longior, pseudoneuro intimo margini approximato, inferne deficiente. Pedunculus petiolo triplo fere longior, virgosus. Spatha lanceolata, basi decurrens, apice longe-sensimque acuminata, spadice brevior. Spadix juliformis, subsessilis, $2^1/_2$ pollices longus. — Costa-rica Oersted. — *v. s. in Herb. Oerst.*

20. **Oerstedianum** *S. (Oestr. B. Zeitschr. 1858. p. 180.)* — Caudex . . . . . Petiolus canaliculato-sulcatus, longissimus (16 pollic.).

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Geniculum proportione breve. Lamina fol. late-rotundato-ovata, (10 poll. longa, 7½ poll. lata), inferne rotundata, leviter cordato-repanda, imo cuneato, costam infimam sulcatam in geniculum usque per spatium fere 4-pollicare angustissime marginante apice repentino contracta, cuspide pollicari, angusta aucta, impunctata, petiolo (absque costae parte denudata) fere duplo brevior, a geniculo ad apicem metita, petiolo paulo brevior, pseudoneura a margine haud multo remoto. Pedunculus petiolo 2-3 pollices brevior, virgosus. Spatha lanceolata, basi decurrens, apice acuminata, spadice paulo brevior. Spadix juliformis, breviter stipitatus, 1¾ poll. longus. — Costarica. Oerst. — *v. s. in Herb. Oersted.*

### Grex 4. **Leptanthurium.**

Caudex approximate nodosus, brevis. Petioli longi, sulcati. Geniculum perbreve. Lamina fol. lanceolata l. anguste-linearis, utrinque acutata, costa tenui, venis tenuibus, pseudoneuro continuo, rarius punctata. Pedunculi longi l. praelongi, graciles. Spatha parvula, basi amplexa. Spadix plerumque brevis, pauciflorus. Flosculi majorum. Ovarii loculamenta abortu regulari uniovulata. Baccae rubrae (l. coloratae), sphaeroideae.

21. **Friedrichsthalii** *S. (Oesterr. B. Wochenbl. 1855. p. 65.)* — Petiolus elongatus, tenuis,

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$2^1/_2$ poll. longus. Lamina fol. 7-8 pollices longa, vix semipollicem lata, linearis, basi obtusata, apice longissime et angustissime acuminata, infra punctis sparsis obsita, pseudoneuro margini valde approximato, venis distantiusculis patentibus. Pedunculi gracillimi petiolo duplo et ultra longiores, folio toto multo breviores. Spatha brevis. Spadix spatha lanceolata paulo longior. — Guatemala Friedrichsthal. — *v. s. in Herbar. Mus. Vindob.*

22. **Rudgeanum** *S. (Oestr. B. Wochenbl. 1855. p. 65.)* — Petioli haud multo elongati, sesqui- l. bipollicares. Lamina fol. longitudine et latitudine varia, 6-9 poll. longa, $^1/_4$-$^1/_8$ pollicis lata, inferne longe-cuneata, imo obtusato, apice longe-acuminata, utrinque punctis copiosis notata, venis remotiusculis, patentibus, pseudoneuro margini approximato. Pedunculus firmulus, petiolo multiplo longior, folio toto multo brevior. Spatha lanceolata brevis. Spadix spatha paulo longior ($^1/_2$-$^3/_4$ poll.). — Surinama Rudge. — *v. s. in variis Herbariis.*

*Synon.* Anthurium gracile Plurimor.

23. **gracile** Lindl. *(Bot. Reg. N. Ser. Vol. IV. (Vol. XIX. totius operis,) tab. 1635. 1833.)* — Petioli plus minusve elongati, 2-5-pollicares. Lamina fol. petiolo duplo longior, lanceolata l. lanceolato-oblonga, basi longe-cuneata, apice sensim acuminata, 6-10 pollices longa, pollicem l. sesquipollicem lata,

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haud punctata, pseudoneuro a margine parum distante. Pedunculi debiles, foliis breviores, petiolo triplo quadruplove longiores. Spatha anguste-lanceolata, spadice brevior. acuminata. Spadix juliformis, gracilis, plerumque $1^1/_2$-$1^3/_4$ pollices longus. Baccae sparsae, rubrae. — Demerara, Surinama etc. Lindley, etc.

*Synon.* Anthur. scolopendrinum. Knth.

24. **acuminatum**. *S. (Oesterr. B. Wchnbl. 1855. p. 66.)* — Petiolus haud multo elongatus, 3-4-pollicaris. Lamina fol. 12-13 pollices longa, sesquipollicem lata, elongato-oblanceolata, e supremo triente ad geniculum usque sensim sensimque in cuneum acutissimum angustata, apice acuminata, impunctata, venis plurimis patentibus, pseudoneuro inferne margini approximato, superne ab illo subremoto. Pedunculus virgosus, petiolo triplo longior, folio toto multo brevior. Spatha lanceolata, angusta, acuminata, proportione brevis ($^3/_4$ poll.). Spadix juliformis, subsesqui- l. bipollicaris. — Brasilia, Pará. Sieber. — *v. s. in Herb. Monacense.*

25. **macilentum**. *S. (Bonpl. 1859. p. 165.)* — Petiolus 10-11 pollices longus. Lamina fol. 10-11-pollicaris, superne ultra-sesquipollicaris latitudine, elongato-oblanceolata, e supremo triente ad geniculum usque sensim acutissime cuneata, apice acuminato-cuspidata, impunctata, venis plurimis subapertepatentibus, pseudoneuro inferne margini

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approximato, superne a margine sat remoto. Pedunculus 17-18 pollices longus, virgosus. Spatha lineari-lanceolata, apice longe abrupte- et attenuate-cuspidata, subpollicaris. Spadix juliformis 3-3½-pollicaris. — Nova-Granata. Holton. — *v. s. in Herb. D. C.*

26. **inconditum**. *S. (Oesterr. B. Ztschr. 1858. p. 181.)* — Petiolus 3½-4 poll. longus. Lamina fol. pedalis et ultra, 2-2¼ pollices lata, elongato-oblanceolata l. oblanceolato-oblonga, a medio l. a supremo triente ad geniculum usque sensim in cuneum acutissimum angustata, apice acuminata, cuspidata, impunctata, venis plurimis patentibus l. aperte-patentibus, pseudoneuro inferne obsoleto, margini approximato, superne a margine plus minusve remoto. Pedunculus virgosus, 13-14 poll. longus, folio toto brevior. Spatha lanceolata, angusta. Spadix semipollicaris. — Nicaragua, Granada. Oersted. — *v. s. in Herb.* Oerst.

### Grex 5. **Oxycarpium.**

Caudex internodiis brevibus assurgens. Petioli proportione breves. Lamina fol. oblanceolata l. obovato-oblonga, basin versus longe-cuneata, costa vix crassa, venis tenuibus, pseudoneuro continuo, impunctata. Pedunculi longi. Spatha longula. Spadix longulus, multiflorus. Ovarii loculamenta uniovulata. Bacca utrinque acutata, turbi-

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nata, colorata, jam immatura acuate-prominens.

27. **decurrens**. Poepp. *(N. Gen. III. p. 83. t. 293. 1845.)* — Petiolus 2-3-pollicaris. Geniculum breve. Lamina fol. 7-8-pollicaris, 2¼ poll. supernc lata, lanceolato-obovata l. obovato-oblonga, a supremo triente basin versus cuneata, apice repentino contracta, cuspidata, costa vix crassula, venis patentibus, pseudoneuro a margine subremoto. Pedunculus petiolo paulo longior, (ad exortum spathae) l. duplo longior (ad imum rhacheos). Spatha lineari-lanceolata, apice abrupte contracto-apiculata, inferne per longum spatium pedunculo decurrens. Spadix myosuroidcus, tripollicaris stipite (pedunculo) e media spatha exserto, pollicari l. ultrapollicari suffultus. Bacca coccinea. — Peruvia. Poeppig. — *v. s. in Herb. Mus. Vindob.*

28. **oxycarpum**. Poepp. *(N. Gen. III. p. 83. t. 293. f. B.)* — Petioli 2½-5 poll. longi. Geniculum sublongulum. Lamina fol. 10½-14 pollices longa, 3¼-3½ pollices paulo supra medium lata; late oblongo-ovata l. late oblanceolato-oblonga, basin versus sensim linea introrsum arcuata cuneata, apicem versus extrorsum arcuate-acutata, summo apice subcuspidulata, costa haud crassa, venis aperte-patentibus, pseudoneuro a margine remoto. Pedunculus 8-9-pollicaris. Spatha lanceolata, spadice brevior, basi amplexa,

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apice acuminata. Spadix myosuroideus, sessilis, multiflorus, 2-3-pollicaris. Bacca violacea. — Brasilia borealis. Poeppig. — *v. s. in Herb.* Poeppig.

29. **consobrinum.** *S. (Oesterr. B. Wchnbl. 1855. p. 66.)* — Petiolus 1-2½ pollicaris. Geniculum breve. Lamina fol. 12-16½ poll. longa, 2½-3 poll. lata, late obovato-oblonga, l. oblanceolato-oblonga, a medio circiter (magis apicem versus) linea introrsum arcuata, primum subrepentino-deinde basin versus sensim cuneata, apice plus minusve repentino acutata, cuspidata, costa haud crassa, venis inferioribus patentibus, superioribus aperte-patentibus, pseudoneuro in brevifoliis a margine subremoto, in longifoliis margini approximato, semper inferne deficiente. Pedunculus sub-9-pollicaris in longifoliis, in brevifoliis 5-6-pollicaris. Spatha lanceolata, basi amplexa, apice abrupte in cuspidem brevem tenuem contracta. Spadix sessilis, juliformis, 2-2½ poll. longus. — Nicaragua. Friedrichsthal. — *v. s. in Herb. Mus. Vindob.*

### Grex 6. **Erythropodium.**

Caudex assurgens. Petioli semiteretes, breves l. longi. Lamina fol. pergamena, oblonga, elongato-lanceolata l. lineari-lanceolata, inferne obtusata l. cuneata, costa crassula, venis tenuibus, pseudoneuro continuo, (haud nigro-punctata). Pedunculi

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longi et praelongi, rubentes. Spatha elongato-lineari-lanceolata, reflexa. Spadix longulus l. longus, sessilis l. stipitatus, myosuroideus, multiflorus. Ovarii loculamenta uni-, raro biovulata. Baccae ex albo, flavo l. livido sordide-virentes.

30. **Swartzianum.** *S. (Oest. B. Wchnbl. 1857. p. 238.)* — Petioli pollicares l. bipollicares. Geniculum longulum. Lamina fol. 9-10 pollices longa, 2-2¼ poll. infra medium lata, oblongo-lanceolata l. lanceolato-oblonga, inferne repentino-, linea extrorsum arcuata, cuneata, apicem sensim acutatum versus in cuspidem latam triangularem oblique productam terminata, venis apertissime-patentibus, remotis, pseudoneuro a margine remoto. Pedunculus petiolo triplo-longior, folio toto brevior, gracilis. Spatha lineari-lanceolata, basi brevi spatio decurrens. Spadix stipitatus, cum stipite 1¾ pollicaris, absque stipite sesquipollicaris. — Ind. occ. Swartz. — *v. s. specim. spontan. in Herb. Swartzii.*

31. **Poiteauanum.** Knth. *(En. III. p. 68. 1841.)* — Petioli 7-8-pollicares. Geniculum valde breve. Lamina fol. 9-11 poll. longa, 1-2¾ pollices ad medium lata, oblongo-lanceolata l. oblongo-lanceolata, inferne sensim, linea extrorsum arcuata, cuneata, apice gradatim angustata, cuspide lanceolata obliquata terminata, venis aperte patentibus, plurimis fere approximatis, pseudoneuro a margine

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remoto. Pedunculus 19-20 pollices longus, virgulosus. Spatha basi amplexans. Spadix gracilis, brevissime l. vix stipitatus. — Guiana gallica. Poiteau. — *v. s. spec. in Herb.* Knth.

32. **leptostachyum**. *S. (Oest. B. Wchnbl. 1855. p. 66.)* — Petioli 6-8-10 pollices longi. Geniculum longulum. Lamina fol. 9-13-pollicaris, medio 2-4 pollices lata, oblongula l. oblonga, basin versus sub rectilineo-cuneata, apice arcuatim-angustata, cuspide subabrupte lanceolata terminata, venis patentibus, remotis, pseudoneuro a margine valde remoto. Pedunculus petiolo sesqui- l. duplo longior, tenuis, folio toto brevior. Spatha lineari-lanceolata, brevissime l. vix decurrens, subamplexa. Spadix sessilis $2^1/_2$-pollicaris, spatha semipollice circiter longior. Baccae sphaericae, minutae. Semen rubiginoso-purpureum. — Brasilia, Rio Jan. S. — *v. v. spont. et cult.*

33. **Mandiocanum**. *S.* — Petioli 9-10-pollicares. Geniculum potius breve. Lamina fol. 13-15 poll. longa, $3-3^1/_2$ pollices medio lata, oblonga, basin versus subrectilineo-cuneata, apicem versus sensim acutata, venis plurimis, magis approximatis, aperte-patentibus, pseudoneuro a margine modice remoto. Pedunculus 9-10-pollicaris, folio brevior, gracilis. Spatha lineari-lanceolata, sensim angustata, praelonge acuminata, basi breviter-decurrens. Spadix stipitatus, cum stipite

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¼-pollicari 2¼-2½ poll. longus, spatha brevior? — Brasilia, Rio Jan. Riedel. — *v. s. in Herb. Petropol. spont. specim.*

34. **Harrisii.** Endl. *(Gen. p. 240. 1836—40.)* — Caudex tandem subelongatus. Petioli juniorum specim. breves, vetustorum 12-15 pollices longi. Geniculum breve plerumque valde-tumidum. Lamina fol. adultae 16-18 pollices longa, ad 4 pollices lata, lanceolato-oblonga, basin versus leviter l. fortiter angustata, imo cuneato, plus minusve late-rotundato l. subcordato, apicem versus sensim acutata, cuspide lanceolata subsensim exserta terminata, venis! plurimis, remotis, aperte l. apertissime patentibus, pseudoneuro a margine (⅙ lateris) remoto. Pedunculus 12-15-20 pollices longus, folio toto brevior, virgosus. Spatha lineari-lanceolata, basi brevissime decurrens, apice apiculato-cuspidata, 2½ pollices longa. Spadix potius sessilis l. vix stipitatus, 4½-5-pollicaris, spatha duplo l. plus duplo longior. — Brasilia, Rio Jan. Loddiges. — *v. spec. culta et spec. sicc. ex horto Edinburg. 1828. collect. in Herb. D. C.*

*Synon.* Anthur. andulatum C. Kch. fide specim. ex Horto Augustini.

35. **assimile.** *S. (Oest. B. Wchnbl. 1855. p. 82.* — Caudex tandem elongatus. Petioli 6-7 pollices longi firmi. Geniculum sublongulum tumidum. Lamina fol. adultae 20 pollices longa, 5 pollices lata, lanceolato-oblonga,

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basin versus leviter-angustata, imo rotundato l. subcordato, a medio apicem versus linea leviter-arcuata sensim angustata, summo apice obtusata, apiculato-cuspidulata, venis plurimis remotis aperte-patentibus, pseudoneuro a margine ($^1/_6$ lateris) remoto. Pedunculus 18-20 pollices longus, virgosus. Spatha $3^1/_2$ pollices longa, lineari-lanceolata basi oblique amplexa, vix levissime decurrens, cuspidata. Spadix sessilis, 6-7 pollices longus. — Patria? — *v. v. cult. et s. cult.*

*Synon.* Anthur. Harrisii Hortor ex parte! — Beyrichian. Hort. ex parte!

36. **consanguineum**. Knth. (*En. III. p. 71. 1841.*) — Petioli 5-11 pollices longi. Geniculum breve l. longulum. Lamina fol. adultae 22-25-pollicaris, 4-6 pollices et ultra lata, elongato-lanceolato-oblonga, a medio basin versus sensim-, linea recta, angustata, imo obtuso l. abrupte contracto, apicem versus leviter-angustata, summo apice repentius acutata, cuspidulato-apiculata, venis plurimis approximatis, aperte-patentibus l. apertissime patentibus, pseudoneuro a margine ($^1/_{10}$ lateris, mediae laminae) remoto. Pedunculus 21-23 pollices longus, virgosus. Spatha lineari-lanceolata, longe et anguste acuminata, 4-5-pollicaris, basi longe decurrens. Spadix stipitatus, cum stipite sub-3-lineari, 6-7-pollicaris. — Brasilia? — *v. exemplar authenticum Herb. G. Berol.*

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*Synon.* Anthur. Harrisii Hortor. ex parte.
*Observ.* Supra data descriptio ex exemplari authentico exacte non congruit cum speciminibus hodie in horto bot. Berolinensi cultis. In his folia saturate viridia magis deorsum angustata, spatha parum decurrens et spadix sessilis. An adolescentiae causa? —

37. **Kastelskii.** *S. (Oesterr. B. Zeitschr. 1859. p. 100.)* — Caudex crassulus, brevis? Petioli 2-2½-pollicares crassus. Geniculum breve, tumidum. Lamina fol. 10-12-pollicaris, sesquipollicem lata, elongato-lanceolata, subcoriacea, basin versus leviter angustata, imo rotundato, l. obtusato, apicem versus sensim acuminata, venis plurimis remotis, aperte-patentibus, pseudoneuro margini approximato, (⅐-⅛ lateris). Pedunculus . . . — Valparaiso. Kastelski. — *v. spec. spontan. in Herb. Hort. Petropol.*
*Observ.* An hujus gregis?

38. **Bredemeyeri.** *S. (Oesterr. B. Wchbl. 1857. p. 269.)* — Petiolus 6-9 pollices longus. Geniculum longum. Lamina fol. 8-10-pollicaris, 1½-2½ pollices inferne lata, lanceolata, imo repentino l. subabrupte contracto, cuneato, apicem versus sensim linea levissime extrorsum arcuata angustata, summo apice repentino contracta et cuspida lanceolato-lineari longula terminata, venis plurimis distantiusculis, patentibus, pseudo-

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neuro a margine (1/4 lateris) remoto. Pedunculus petiolo paulo longior, tenuis. Spatha lineari-lanceolata, cuspidato-acuminata, 1 3/4 pollic. longa, basi vix decurrens, oblique-amplexa tantum. Spadix gracilis, stipitatus, cum stipite 1/4-pollicari 2 1/4 pollices longus. — Caracas Bredemeyer, Moritz. — *v. s. specim. in Herb. Mus. Vind.*

39. **Langsdorffii** *S.* Caudex brevis. Petioli 3-4-pollicares. Geniculum longulum. Lamina fol. 12-24-pollicaris, 1 1/2-2 1/2 pollices lata elongato-lineari-lanceolata, basi obtusata, apicem versus longe-sensimque acuminata, venis plurimis remotis, patentibus l. subaperte-patentibus, pseudoneuro a margine (1/6 lateris) remotiusculo. Pedunculus 5-9 pollices longus, petiolo duplo l. fere triplo longior, folio toto multo brevior. Spatha lineari-lanceolata, acuminata, 2 1/4-2 3/4 poll. longa, basi longe-, immo longissime decurrens. Spadix stipitatus, cum stipite 1/4 poll. 3-4-pollicaris. — Brasilia, Rio Jan. Riedel. — *v. s. in Herb. Hort. Petropol.*

40. **Chamissonis** *S. (Oestr. B. Wochenbl. 1857. p. 269.)* — Petiolus tripollicaris? Geniculum fere longulum. Lamina fol. 16-17-pollicaris, 2 1/2 poll. lata, oblongo-lanceolata, basi repentino contracta, rotundato-obtusata, apicem versus ex longo sensim acuminata, venis plurimis, irregulariter subapproximatis, patentibus l. aperte-patentibus, pseudoneuro a margine (1/5-1/6

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lateris) remoto. Pedunculus 6-pollicaris? Spatha lineari-lanceolata, cuspidato-apiculata, $2^3/_4$ poll. longa, basi abrupte-amplexa, sulco decurrente tantum deorsum indicata. Spadix stipitatus, cum stipite ultra-semipollicari fere $^3/_4$-pollicari tripollicaris. — Brasilia Chamisso. — *v. s. specim. spont. in Herb. G. Berol.*

41. **Gaudichaudianum** Knth. *(En. III. p. 74. 1841.)* — Petiolus 8-9 pollices longus. Geniculum fere longulum. Lamina fol. 18 pollices longa, 2 pollic. lata, elongato-lineari-lanceolata, basi longe-cuneata, imo subobtusato, apice linea arcuata subrepentino angustata, summo apice apiculata, venis plurimis subapproximatis, aperte-patentibus, pseudoneuro a margine ($^1/_9$-$^1/_{10}$ lateris) haud multo remoto. Pedunculus 20 pollices et ultra longus virgosus. Spatha lineari-lanceolata, longe cuspidato-acuminata, $3^1/_2$-pollicaris, basi amplexa. Spadix stipitatus, cum stipite pollicari sub-5-pollicaris. — Brasilia, St. Catharina Gaudichaud. — *v. s. specim. spontan. in Herb. G. Berol.*

42. **Urvilleanum** *S.* Petioli 10-11-pollicares, firmi. Geniculum proportione breve. Lamina fol. 20-21-pollicaris, 4 poll. lata, elongato lineari-oblonga, basi sensim cuneata, apice gradatim acutato, summo apice cuspidulata, venis plurimis subapproximatis, aperte-patentibus, pseudoneuro a margine ($^1/_9$-$^1/_{11}$ lateris) distante. Pedunculus 18-20-polli-

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caris, virgosus. Spatha lineari-lanceolata cuspidulata, $2^1/_2$ pollices longa, basi longule-decurrens. Spadix stipitatus, cum stipite $^1/_4$-pollicari $3^1/_2$ pollices longus. — Brasilia St. Catharina, Urville. — *v. s. specim. ab Urvilleo collectum in Herb. G. Berol.*

*Synon.* Anthur. rubricaule Knth. quoad plant. Urvillean.

43. **intermedium**. Knth. *(En. III. p. 70. 1841.)* — Caudex magis elongatus. Folia atroviridia. Petioli adultae 10-12 pollices longi. Geniculum breve. Lamina fol. 24-pollicaris, $3-3^1/_3$ pollices lata, elongato-lineari-lanceolata, basin versus longe-sensimque cuneata, apice gradatim angustata subacuminata, venis plurimis, subapproximatis, patentibus, in media lamina aperte-patentibus, pseudoneuro a margine ($^1/_6$ lateris) remoto. Pedunculus 20-22 pollices longus virgosus. Spatha lineari-lanceolata, cuspidulata, $3^1/_2$ pollices longa, basi longule-decurrens. Spadix sessilis, 5-6 pollices longus. — Baccae flavo-virentes, vertice atro-virentes, 2-3-4-spermae. Semen flavens. — Brasilia. Princ. Neovid. — *v. s. specim. spontan. in Herbar. Sonder., s. specim. cult. authent. in Herb. G. Berol. et viva exempl. culta.*

44. **Beyrichianum** Knth. *(En. III. p. 69. 1841.)* — Petioli adultae 8-10 pollices longi. Geniculum longulum. Lamina fol. 24-28 poll. longa, 4-5 poll. lata, elongato oblongo-lan-

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ceolata, basi e medio sensim in cuneum angustum angustata, apice gradatim acutata, apiculata, venis approximatis aperte-patentibus, pseudoneuro a margine (1/5-1/7 lateris) remoto. Pedunculus 22-24-pollicaris, virgosus. Spatha lineari-lanceolata, 4 1/2 pollicaris, cuspidato-apiculata, basi parum decursive-amplexa. Spadix subsessilis, 6-pollicaris. — Brasilia Beyrich. — *v. s. spec. authent. in Herb. G. Berol. et specim. viva culta.*

*Observ.* Folia laete-viridia, magis flaccida.

45. **rubricaule.** Knth. *(En. III. p. 69. 1841.)* — Petioli 6-8-pollicares. Geniculum, longulum, interdum subcontractum. Lamina fol. 20-24-pollicaris, 3 1/2-4 1/2 pollices lata, elongato-oblongo-lanceolata, basi e media lamina sensim in angustum cuneum angustata, apice gradatim in acumen longum acutissimum producta, venis remotis, aperte-patentibus, pseudoneuro a margine (1/7-1/9 lateris) remoto. Pedunculus 20-22-pollicaris, virgosus. Spatha lineari-lanceolata, acuminato-cuspidata, 4 1/2-5 pollices longa, basi brevissimo spatio defluens. Spadix sessilis, 7-8 poll. longus. Baccae flavo-virentes, vertice atrovirentes. Semen flavens. — Brasilia Knth. — *v. v. cult. ex horto bot. Berol. et s. ex eod. horto.*

46. **Sellowianum.** Knth. *(En. III. p. 70. 1841.)* — Caudex abbreviatus. Petioli breves, crassi, 1 1/2-2-3-5-pollicares. Geniculum breve,

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tumidum. Lamina fol. 6-7-9-20 pollices longa, $^5/_4$-$2^1/_2$-$3^1/_2$ poll. lata, oblongo-lanceolata, basi sensim leviterque angustata, imo cuneato, obtusato l. cordato, apice sensim acuminata l. supremo apice abruptius in cuspidem producta, l. etiam apiculata tantum, venis plurimis remotis, aperte patentibus, pseudoneuro a margine ($^1/_5$-$^1/_8$ lateris) remoto. Pedunculus 6-12-18-pollicaris. Spatha 1-3-6-pollicaris, lanceolato-linearis, breviter- l. longo-cuspidata, basi breviter-decurrens. Spadix subsessilis, 3-4-7 pollices longus. Baccae flaventes, vertice sordide-virentes. — Brasilia Sello. — *v. v. spontan. et cultam, siccam in plurimis herbariis.*

*Observ.* Lamina fol. petiolo 6-7-8-ties longior. Venae interjectis venastris 2-3-5 parallele et fere regulariter procurrentibus auctae, primo intuitu approximatae parallelae, ergo copiosissimae.

47. **viride**. C. Koch. *(App. 1855/56. p. 6.)* — Caudex brevis. Petiolus modo brevior, modo longior, saepe sesquipedalis. Geniculum longulum. Lamina fol. saepe tripedalis et longior, elliptica, ad basin cuneata, medio l. supra medium 6-8 poll. lata, venis distantioribus 20-25, pseudoneuro ad basin interdum nullo. Pedunculus foliis brevior. Spatha oblonga, 2-pollicaris, 6-8 lineas lata. Spadix curvatulus 4-5 poll. longus, 5-6 lin. crassus. (ex C. K.)

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*Observ.* Venae in specimine Herb. Horti Petropol. fere horizontaliter patentes!

48. **erythropodum**. Miq. *(Delect. sem. 1853. 8.)* — Caudex elongatus. Folia laete-viridia. Petiolus modicus. Geniculum elongatum. Lamina fol. longe-lanceolata, basi breviter-ex rotundato cuneata l. cuneata, apice longe acuminata, venis remotiusculis, (venastris 2-3 interjectis) aperte-patentibus. pseudoneuro in cuspidem non assurgente. medio a margine ($^1/_5$-$^1/_6$ lateris) remoto. Pedunculus folio brevior. Spatha lanceolato-linearis spadice interdum paulo brevior. Spadix substipitatus, 4-5 pollicaris. — Brasilia? Miquel. — *v. v. juvenculam et spec. sicca juvencula.*

49. **longifolium** Knth. *(En. III. p. 69. 1841.)* — Caudex abbreviatus. Folia flaccida laete-viridia. Petiolus brevis, subteres. Geniculum longum, raro et abbreviatum. Lamina fol. elongato-lineari-lanceolata, plerumque angusta, pergamena, basi rotundata, apice acuminata, venis plurimis revera remotis, venastris vero interjectis parallelis comitatis et ex eo dense-venosae, exacte patentes, pseudoneuro a margine ($^1/_4$-$^1/_5$ lateris) remoto. Pedunculus folio brevior. Spatha pedunculo plus minusve pedunculo decurrens, apice acuminata. Spadix gracilis, subelongatus, vix stipitatus. — Brasilia. Widgren. — *v. v. et specim. sicc. a Widgren. collect. in Herb. Holmiense.*

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50. **Galeottianum** Hortor. Caudex abbreviatus. Folia strictiuscula, ex glauco-viridia. Petiolus firmulus, longitudine varius. Geniculum breve, tumidum. Lamina fol. subcoriacea, elongato-lanceolato-linearis, supra sulcato-undata, basi rotundata, saepe cordata, apice longe-acuminata, venis remotiusculis, venastris comitatis, pseudoneuro margini plus minusve approximato, laminae apicem non attingente. Pedunculi foliis breviores, strictiusculi. Spatha lineari-lanceolata, acuminata, basi antice amplexa. Spadix brevis, firmulus, sessilis, spatham parum superans, fructiger sepalis flavo-ochraceis ornatus. Baccae ex toto virides, subglobosae. Semen obsolete- cordiforme, compressulum, ex livido-purpureum. — Patria? — *v. v.*

51. **illepidum** *S. (Oesterr. B. Zeitschr. p. 100. 1859.)* — Petiolus brevis, sesquipollicaris? Geniculum breve. Lamina fol. obverse elongato-lanceolata, angusta, longitudine sesquipedalis, 10 lin. lata, basin versus a $^2/_3$ totius longitudinis sensim deorsum angustata, ex eo longissime inferne cuneata, apicem versus repentius angustata, subabrupte cuspidulata, venis plurimis patentibus, haud multo remotis, pseudoneuro in media lamina a margine ($^1/_4$ lateris) distante. Laminae apicem non attingente. Pedunculus ultra pollices 9 longus. Spatha lanceolata, cuspidulata, pollicaris, basi antice amplexa, vix minimo decurrens. Spadix subsessilis,

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sesquipollicaris. — Brasilia. Riedel. — *v. s. specim. spontan. in Herb. Hort. Petropol.*

52. **reticulatum**. Benth. *(Pl. Hartw. p. 255. Nr. 1403. 1839.)* — Assurgens, 4-6 pedes altum. Folia lacte-viridia. Petioli longi, 8-9-pollicares. Geniculum longulum. Lamina fol. $1^1/_2$-2 pedes longa, $2^1/_2$ pollices lata, elongato lanceolato-linearis, basi linea arcuata sensim cuneata, apice . . . . . , venis plurimis remotis patentibus subarcuatis, valde-irregularibus, pseudoneuro margini approximato, ($^1/_{11}$-$^1/_{12}$ lateris distante). Pedunculus sub-9-pollicaris. Spatha 4-$4^1/_4$ pollices longa, lanceolato-linearis, sensim acuminata, basi amplexa brevissime decurrens. Spadix 5 poll. longus subsessilis. — Nova Granata. Hartweg. — *v. specim. s. in Herb. Hooker.*

53. **imperiale**. Miq. *(in schedula.)* — Petiolus crassus, sub-6-pollicaris. Geniculum breve, crassum. Lamina fol. 19-20 pollices longa, fere 4 pollices lata, lanceolato-oblonga, basi linea arcuata sensim cuneata, apice arcuatim-acutata, venis! plurimis revera remotis, venastris interjectis 5-7, parallelis, adspectu creberrimis, exacte- patentibus, pseudoneuro a margine ($^1/_9$ lateris) remoto. . . . . — Patria? — *v. fol. exsicc. ex Horto Amstelod.*

54. **protensum**. *S. (Oesterr. B. Zeitschr. p. 181. 1858.)* — Petiolus 10-pollicaris. Geniculum longulum. Lam. fol. 24 poll. longa,

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$2^1/_2$ pollices superiore triente lata, elongato-oblanceolata, basin versus sensim angustata, apicem versus subrepentius acuminata, venis! plurimis remotis, exacte-patentibus, pseudoneuro margini approximato, ($^1/_{10}$-$^1/_{11}$ lateris distante) . . . . . Amer. centralis. Oersted. — *v. fol. exsicc. in Herb. Oersted.*

### Grex 7. **Pachyneurium.**

Caudex abbreviatus, contractus. Petioli breves crassi, raro elongati tenuiores. Lamina fol. pergamena l. coriacea, raro nigro-punctata obovata, obovato-oblonga l. oblanceolato-oblonga, basin versus cuneata, imo tamen interdum latiusculo obtusato, rotundato l. et cordato, costa venisque crassis, pseudoneuro vix constructo, in apice laminae tantum perfecto. Pedunculi longi l. longissimi. Spatha reflexa. Spadix caudiformis, multiflorus, rarissime abbreviatus. Ovarii loculamenta uniovulata. Baccae obconicae l. turbinatae, coloratae.

55. **Wagenerianum.** C. Koch. *(Index 1853/54. p. 16.)* — Subacaule. Petioli proportione breves, postice acietati. Geniculum breve, oblongulum. Lamina fol. 6-12-pollicaris, 2-4 pollices lata, obovata l. obovato-oblonga, basin versus a medio sensim angustata, apice rotundato-obtusata l. obtusata, breviter l. brevissime cuspidulata, costa postice basi acietata venis crassulis sub-5 utrinque om-

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nibus patentibus, marginem versus sursum arcuatis, longe procurrentibus, pseudoneuro apicali tantum in cuspidem procurrente. Pedunculus foliis vix longior. Spatha 1-2-pollicaris, lanceolata, acuminata, basi triangulare angustata, decurrens. Spadix spatha vix l. parum longior, stipitatus, stipite $^2/_3$ spathae accretus, 1-2 lin. libero, juliformis, rhachi $1^1/_2$-$2^1/_2$ poll. longa. — Caracas. Wagener. — *v. v. cult. et specim. sicca Herb. G. Berol.*

56. **recusatum**. *S.* Caudex breviter-assurgens. Folia erectiuscula. Petiolus elongatus, proportione tenuis, 10-12-pollicaris, dorso in adulta acutatus. Geniculum breve, oblongulum, dorso-rotundatum l. acietatum. Lamina fol. 20-22 poll. longa, $6^1/_2$-7 poll. lata, lanceolato-late-oblonga, basin versus, ab ultimo supremo triente sensim in geniculum usque cuneata, apicem versus gradatim angustata, breviter-cuspidato-apiculata, venis utrinque 10-12 infimis tenuissimis patentibus mediis aperte- l. apertissime-patentibus, supremis patentibus in pseudoneurum a margine sat remotum, cuspidem non transgrediens rectilineo-transeuntibus. Pedunculus 12-15 pollices longus. Spatha $2^1/_2$-3 pollices longa, lanceolato-linearis, latiuscula, basi antice oblique adnata, triangulariter subdecurrens, apice apiculata. Spadix stipitatus, cum stipite $^3/_4$-pollicari, dimidio adnato 5-6 pollices longus, sepalis ex

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purpureo fuscescentibus. — Patria? — *v. v.*

57. **Fendleri.** *S.* Petiolus 9½–10 pollices longus, crassulus. Geniculum proportione breve, oblongulum. Lamina fol. 18 pollices longa, 7-7½ pollices medio lata, late-ovato-oblonga, basin versus arcuatim angustata, imo subrepentino l. repentino contracto, apicem versus subrepentino acuminata in cuspidem producta, venis (18 uno latere) infimis (1) utrinque gracilibus, patentibus, mediis apertissime patentibus, supremis iterum patentibus, a basi ad dimidiam costam exsertis in marginem excurrentibus reliquis in pseudoneurum a margine sat remotum subrectilineo-anastomosantibus. Pedunculus sub-18-pollicaris, crassulus. Spatha basi longe decurrens. Spadix stipitatus, cum stipite 6-7-lineari, 6-7-pollicaris, myosuroideus, tenuis. Baccae obconoideae. — Venezuela Fendler. — *v. s. spontan. in Herb. Hooker.* ~ A Schlechtendal. Th

58. **Brachygonatum.** *S.* Petiolus 3-4-pollicaris, crassus, dorso convexo rotundatus. Geniculum perbreve, 4-4½ lineas longo, tumidulo. Lamina fol. 32 pollices longa, 13-14 poll. medio lata, basin versus linea repanda angustata, ima basi repentino-contracta, margine undulata, apicem versus sensim acutata, summo apice cuspidulato-apiculata, venis 20-21 utrinque, omnibus, summis magis patentibus exceptis, aperte- l. apertis-

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sime-patentibus, supremis tantum in pseudoneurum a margine parum remotum confluentibus. . . . . — Mexico. S. — *v. plant. viv. cultam.*

59. **spectabile.** *S. (Oesterr. B. Zeitschr. 1858. p. 181.)* — Petioli 20-pollicares, crassi, dorso tricarinati. Geniculum proportione breve, oblongum, quoque tricarinatum. Lamina fol. 48-60 pollices longa, 13-14 pollices lata, longe-oblongata, basin versus leviter-angustata, ima basi abrupte rotundato-contracta, a medio l. jam a parte infra medium apicem versus sensim linea arcuata angustata, summo apice repentino contracta in cuspidem lanceolatam longulam, venis utrinque 38-40, infimis patentibus, rectiusculis approximatis, summis patentibus arcuatis, intermediis aperte-patentibus, leviter-arcuatis, omnibus in marginem excurrentibus, in ipso margine pseudoneurum fere continuum constituentibus. Pedunculus . . . . . Spatha pedalis, inferne 2 pollices et ultra lata, basi rotundata, amplexa, apicem versus sensim angustata, cuspidulata, margine undulata sordide-virens. Spadix spatha longior. — Costa-rica. Wendland. — *v. sicc. specim. spontan. in Herb. Wendl.* = A. hookeri

60. **Iluegelii.** *S. (Oesterr. B. Wochenbl. 1855. p. 83.)* Caudex brevis. Petioli juvenculae perbreves, adultae subelongati, vagina pedunculum obvolvente ad geniculum l. in geniculum progrediente aucti, infra alte-con-

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vexi. Geniculum longulum, plus minusve intumescens. Lamina fol. juvenculae obovato-oblonga, basi rotundata, l. subcordata, in stirpe adultiore spathulato-oblonga, a summo triente basin versus incurva linea sensim angustata et ima basi latius l. angustius auriculata, apice acutata, apiculata l. cuspidato-acuminata, supra laete-infra pallide-virens, utrinque punctis demum nigricantibus sparsis tecta, venis inferioribus erectiusculis, tenuissimis, superioribus longe-arrecto-arcuatim procurrentibus, summis in pseudoneurum a margine valde-remotum conjunctis, venulis e venis horizontaliter et dense subparalleleque prolatis, quasi unilateraliter exsertis. Pedunculus foliis brevior, proportione tenuis. Spatha lanceolata, spadice brevior, virens, basi parum decurrens. Spadix myosuroideus, sessilis l. breviter-stipitatus, atroviolaceus. Baccae obovoideae albidae, vertice atropurpureae. Semen hippocrepicum. — Dominica. Imray. — St. Vincent. Guilding. — Guadelupa. Duchassaing. — *v. v. et s.*

*Synon.* Pothos acaulis Hook. Exot. Fl.
Anthur. neglectum. Miquel.
Anthur. Hookeri. C. Kch.

61. **Mexicanum.** Liebm. *(Vidensk. Medel. 1849-50. p. 21.)* — Acaule. Petioli breves, 4-9-pollicares. Geniculum breve, oblongum. Lamina fol. 21-30-pollicaris, 9-11 poll. lata, obovato-oblonga, a medio basin versus sen-

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sim angustata, imo latiuscule rotundato-auriculato, l. cuneato apicem versus linea valde-arcuata angustata, summo apice abrupte-rotundata, apiculo vix perceptibili aucta, venis 14 et ultra utrinque, infimis magis approximatis tenuissimis arrecto-patentibus, mediis aperte-patentibus, supremis patentibus, vix in pseudoneurum conjunctis. Pedunculus sesqui- l. bipedalis. Spatha reflexa. $3^1/_2$-4 pollices longa lanceolato-linearis Spadix myosuroideus, l. tenuiter-caudaeformis, 6 pollices longus. — Mexico. Liebmann, Karwinsky. — *v. fol. sicc. spont. a Karwinskyo lectum in Herb. Hort. Petrop.*

62. **rugosum**. *S. (Oest. B. Ztschr. 1858. p. 387.)* — Acaule. Petioli breves, 5-6-pollicares, dorso tricarinati. Geniculum breve, oblongum tricarinatum. Lamina fol. 24-26 poll. longa, ultra medium, supremum trientem versus 7-8 pollices lata, late oblanceolato-oblonga, venulis intrusis bullulato-rugosa basin versus sensim in geniculum excurrens, apicem versus arcuatim angustata, in acumen acutatum producta, venis utrinque sub-9, omnibus supremis exceptis patentibus in pseudoneurum late a margine distans conjunctis, erecto-patentibus, infimis approximatis tenuibus. Pedunculus longus, folio brevior. Spatha lineari-lanceolata, reflexa, spadice brevior, basi brevissime decurrens. Spadix sessilis, juliformis, ex violaceo brunneus. Baccae violaceae. — Caracas.

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Wagner, Gollmer. — *v. v. cult. et sicc. spontan.*

63. **crassinervium**. *S. (Melet. I. p. 22. 1832.)* — Acaule. Petiolus brevis, longitudine varians, dorso tricarinatus, saepe 4-5-gonus. Geniculum proportione breve, oblongulum. Lamina fol. oblonga, lanceolato-oblonga l. obovato-oblonga, 18-36 pollices longa, 5-12 pollices medio l. summo triente lata, basin versus sensim angustata l. a medio subcontracto cuneatim angustata, apice acuta, cuspidulata, supra undata saturate-viridis, infra pallidior, costa venisque ex albido-virentibus crassis, venis utrinque 9-11, exceptis supremis arrecto-arcuatis, inferne subaperte patentibus, erecto-patentibus, infimis tenuibus, pseudoneuro a margine remoto ex ultimis venis orto. Pedunculus irregulariter 5-7-gonus, apice tantum teres, crassus, longus, folio tamen brevior. Spatha late-lineari-lanceolata, basi vix decurrens, potius amplexans. Spadix juvenculae interdum stipitatus, adultae sessilis caudaeformis, longus (paulo- l. valde-), 6-8 lineas crassus, ferrugineo-virens. Baccae obconice-oblongae, coccineae. Semen pallide-flavens, ellipticum. — Caracas? — *v. v. cult.*

*Synon.* Anthur. albo-costatum. Miquel.

64. **Hookeri.** Knth. *(En. III. p. 74. 1841.)* — Acaule. Petioli subtetragoni, plus minusve abbreviati. Geniculum subcubicum. Lamina fol. obverse-oblonga l. oblonga, 22-36 poll.

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longa, 7-14 poll. supra medium lata, basin versus sensim angustata, apice subrepentino acutata, supra laete glauco-viridis, infra flavo-virens, venis utrinque 15-20, patentibus, subapproximatis, rectis, exceptis summis in pseudoneurum margini approximatum conjunctis, in marginem asscendenter excurrentibus. Pedunculus petiolo longior, folio triplo et ultra brevior. Spatha oblongo-lanceolata, pedunculum oblique amplexans, apice longe-cuspidata. Spadix breviter-stipitatus, conoideus l. caudaeformis, inferne pollicem crassus, sordide-virens, ovariis ultra sepala valde productis, rubiginosis. Baccae tenues, elongato-turbinatae, acutatae, inferne ex rubro-purpureae, apice flavo-virentes. Semen ellipticum, pallide-flavens. — Demerara. Hooker. — *v. v. cult. et specim. Herb. Hooker.*

*Synon.* Pothos crassinervia. Hook.

65. **affine.** *S. (Oest. B. Wchnbl. 1855. p. 82.)* — Petiolus brevis l, subelongatus, 6-9-pollicaris, subtetragonus et dorso acietatus, hinc postice tricarinatus. Geniculum breve, tricarinatum. Lamina fol. 22-36 pollices longa, 6-12 pollices lata, oblanceolato-oblonga, basin versus sensim angustata, imo abrupte-cuneato l. subauriculato, margine laxe-undulata, apice acutata l. acuminata, costa subtetragona medio carinata, supra lucide laete viridis, infra flavo-viridis, venis utrinque 13-16, infimis erecto-paten-

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tibus, tenuibus, mediis aperte-patentibus, supremis patentibus in pseudoneurum a margine valde distans anastomosantibus, pseudoneuro altero exteriore comitatis, arcuatim cuspidem petentibus. Pedunculus 24-27 pollices longus, subbicarinatus, erectus. Spatha 3-3½-4 pollices longa, inferne ¾ pollices lata, lanceolata, planiuscula, basi longule-decurrens, apice acuminato-cuspidata. Spadix cylindricus immo clavato-cylindricus, 2½-5 pollices longus, 7-9 lineas crassus, apice quasi truncatus, e flavo-virenti in aureum transiens. Baccae oblongo-obconicae, puniceae. — Brasilia (S.) — *v. v. spont. et cult.*

66. **ellipticum** C. Koch. *(Index. 1853. p. 6.)* — Petioli . . . . . Geniculum breve, oblongulum. Lamina fol. 15-18 pollices longa, 4-5 pollices lata, lanceolato-oblonga, a medio basin versus sensim angustata, apice arcuatim acutata, venis omnibus, supremis patentibus arcuatim in pseudoneurum margini approximatum junctis exceptis, aperte-patentibus, infimis tenuissimis, mediis juxta marginem subabrupte sursum prolongatis. Pedunculus elongatus, 10-12 pollices longus, tenuis. Spatha lanceolata 2½-pollicaris, 6 lin. fere lata, acuminata, basi longule decurrens. Spadix tenuiter-cylindroideus, obtusatus, cum stipite ad medium adnato ¾-pollicari, 4-5½ pollices longus. Bacca obovoidea. Semen compressule ovoideo-

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ovale. Embryo latus, compressus. — Caracas Moritz, Gollmer. — *v. s. spontan. a Gollmero lectam et cult. Horti Berol.*

67. **tetragonum** Hooker. *(in schedula.)* — Petiolus brevis l. subelongatus, tetragonus. Geniculum breve. Lamina fol. sesquipedalis, 4-5-6 pollices lata, lanceolato-oblonga, basin versus angustata, imo inaequilato, hinc subcuneato, illinc repentino-contracto, apicem versus a medio linea arcuata sensim angustata, summo apice breviter-cuspidulata, venis infimis tenuibus, erecto-patentibus, reliquis omnibus aperte-patentibus, summis in pseudoneurum margini approximatum conjunctis . . . . . Habit. . . . . ? — *v. fol. sicc. a Celebr. Hookero mecum communicatum.*

68. **egregium** *S.* Acaule. Petiolus 6-9-12 pollices longus, quadrangularis l. dorso tricarinatus. Geniculum breve, tricarinatum. Lamina fol. 3-4-pedalis, 12-15 pollices ad medium l. ad basin supremi trientis lata, oblonga l. oblanceolato-oblonga, basin versus gradatim angustata imo in juvencula saepe latiusculo, abrupte contracto, apice arcuatim angustata, acutata, brevissime cuspidato-apiculata, supra saturate- et laete-viridis, infra glaucidulo-viridis, venis utrinque 11-16, exceptis superioribus l. supremis valde arrecto-arcuatis et in pseudoneurum margini approximatum junctis, omnibus aperte-patentibus. Pedunculus in adulta

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bicarinatus, elongatus, folio brevior. Spatha lanceolata, breviter basi decurrens, subamplexa, apice cuspidata. Spadix juvenculae longe-stipitatus, cum stipite pollicari tripollicaris, adultae breviter stipitatus elongato caudaeformis. Baccae parvae obconice-pyriformes, coccineae. Semen lanceolato-ellipsoideum, compressulum. Embryo tenuis. — Venezuela. — *v. v. cult.*

69. **Schlechtendalii.** Knth. *(En. III. pag. 75. 1841.)* — Petiolus 3 et plures pollices longus. Geniculum oblongulum. Lamina fol. 20-24 pollices longa, 4-5 pollices in supremo triente lata, oblanceolato-lineari-oblonga, basin versus sensim angustata, imo acuto l. obtuso, apicem versus gradatim linea arcuata sensim acutata, venis utrinque sub-15, infimis erecto-patentibus, reliquis aperte-patentibus, omnibus l. superiorum plurimis in pseudoneurum margini approximatum anastomosantibus. Pedunculus 24-28 pollices longus, tenuis. Spatha 5-6 pollices longa, lanceolato-linearis, basi amplexa, apice acuminata. Spadix myosuroideus, sessilis, 6-pollicaris. — Mexico Chamisso. — *v. exempl. sicc. spontan. in Herb. Liebmannii.*

70. **acaule.** *S. (Melet. I. p. 22. 1832.)* — Petiolus brevissimus l. brevis, dorso alte-convexus. Geniculum longulum. Lamina fol. 9-24-39 poll. longa, 2-5-7 poll. et ultra lata, lanceolata, obverse-lanceolata l. obverse lan-

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ceolato-oblonga, basin versus sensim angustata, imo cuneato, auriculato l. subcordato, apice acuminata, supra atro- infra laete-viridis, venis utrinque 11-17 et ultra, infimis patentibus, mediis basi aperte-patentibus, arcuatim in marginem excurrentibus, summis in pseudoneurum margini plus minusve approximatum junctis, venulis varie anastomosantibus, rete densum subtus valde prominens exstruentibus. Pedunculus teretiusculus, longissimus, tenuis, debilis, folio tamen brevior. Spatha lanceolata, spadice paulo l. multo brevior, basi subamplexa, vix decurrens. Spadix longule- l. breviter-stipitatus, teres, apicem versus sensim attenuatus, fusco-purpureus, longitudine varius. Baccae obconoideae, coccineae. Semen breviter ellipticum. Martinica Jacq., St. Thomas Friedrichsth. etc. — *v. v. plant. cult. et s. spont.*

*Synon.* Anthur. crassinervium Hortor. —
— varians. Miq.

*Observ.* Huc certe Anther. crenat. Knth. ducend.

71. **Dombeyanum** Brongn. *(Herb. Mus. Paris.)* Petiolus brevis, sesquipollicaris. Geniculum breve. Lamina fol. 13-15 pollices longa, 4 pollices ad medium lata geniculum versus leviter angustata, imo abruptius coarctato, apicem versus sensim linea arcuata angustata l. acutata, venis plurimis inferioribus mediam laminam exitu superantibus, paten-

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tibus, reliquis in pseudoneura 2 junctis, in extimum margini valde approximatum et in intimum a margine remotum. Pedunculus folior brevior. Spatha late lineari-lanceolata, basi amplexa, apice repentino angustata, cuspidulata. Spadix teres, (crassitie sub-5-lineari), tripollicaris, inferne breviter-stipitatus. — Peruvia, Dobey. — *v. delin. specim. spont. in Herb. Mus. Paris.*

72. **agnatum.** *S. (Oesterr. B. Zeitschr. 1858. p. 181.)* — Petioli $4^1/_2$-$5^1/_2$ pollices longi. Geniculum oblongulum. Lamina fol. 18-24-pollicaris, $3^1/_2$-4 pollices ad basin quartae supremae partis lata, geniculum versus sensim angustata, exinde longissime et angustissime cuneata, apicem versus gradatim acuminata, venis inferioribus ad apicem primi trientis tenuibus, erecto-patentibus, supremis in pseudoneurum a margine haud multo remotum junctis. — . . . . . Nicaragua. Oersted. — *v. specim. sicc. spont. absque spadice in Herb. Oersted.*

73. **solitarium.** *S.* Petiolus brevis. Geniculum oblongulum, tumidum. Lamina fol. oblonga, 18 pollices et ultra longa, 6-7 pollices medio lata, basin versus cuneata, venis utrinque sub-8. Pedunculus 18 pollices longus, tenuis. Spatha basi parum decurrens. Spadix conoideus, 7-8 pollices longus. — Brasilia. (Flor. Flum.)

74. **aduncum** *S.* Petioli 3-4-pollicares. Geniculum oblongum tumidum. Lamina fol. 8-9

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pollices longa, 1½-2 poll. medio lata, basi cuneata, apice acuminata, venis utrinque plurimis. Pedunculus longus, tenuis. Spatha brevis. Spadix stipitatus, conoideus, sub-4-pollicaris. — Brasilia. (Flor. Flum.)

Grex 8. **Acamptophyllium.**

Caudex abbreviatus, contractus. Petioli breves l. praelongi. Lamina fol. coriacea, stricta, oblonga, basi acuta l. obtusa, costa crassa, venis tenuibus, pseudoneuro continuo, impunctata. Pedunculi longi, stricti. Spatha erecta. Spadix longus, multiflorus. Ovarii loculamenta uniovulata. Bacca colorata.

75. **lanceolatum** Knth. *(En. III. p. 71. 1841.)* — Petiolus teres brevis. Lamina fol. leviter-complicata, oblanceolata, basin versus leviter- angustata, imo repentino contracto, apice acutata, costa acutata. Spatha lanceolata, acuminata, spadice dimidio brevior. Spadix vix stipitatus, conoideo-cylindroideus, pedunculi fere longitudine. Baccae obovoideae, amethystinae. — (Ex icone et descr. Plumieri.)

76. **Willdenowii.** Knth. *(En. III. p. 71. 1841.)* Petiolus semiteres, 6-8 pollices longus. Geniculum longum. Lamina fol. 10-15 pollices longa, 2½-4 pollices lata, lanceolato-oblonga, basin versus arcuatim cuneata, apicem versus leviter angustata, summo apice repentino contracta, brevissime-api-

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culata, venis utrinque 20-25, aperte patentibus rectiusculis, in pseudoneurum a margine sat remotum anastomosantibus. Pedunculus pedalis. Spatha 2-2½ pollices longa, lanceolata e rectiuscula, basi subdecurrens, apice acuminata. Spadix stipitatus, stipite brevi 3-4 pollic. longus, juliformis. Bacca sphaerico-dacryoidea, sordide-violacea. Semen subrotundum, hinc planiusculum, inde convexum, saturate-violaceum. — St. Lucia. (Forsyth in Herb. Bentham.) — *v. v. et s. cult. et spont.*

77. **lancifolium** *S. (Oestr. B. Zeitschr. 1858. p. 180.)* — Petiolus pedalis et ultra tenuis. Geniculum longulum. Lamina fol. 11-14 poll. longa, 2¾-3¼ pollices lata, lanceolato-oblonga, basin versus sensim l. repentino cuneata, apice sensim longe-acuminata l. summo apice repentius angustata longe-angusteque cuspidata, venis utrinque 18-25, patentibus l. inferioribus magis erecto-patentibus in pseudoneurum a margine haud multo remotum anastomosantibus. Pedunculus pedalis tenuis. Spatha 2-2½ pollicaris, lanceolato-linearis, acutata, basi longule decurrens. Spadix (juvenilis) myosuroideus, spatha paulo longior. — Costa-rica Wendland. — *v. s. spec. spont. in Herb. Wendl.*

78. **coriaceum** Endl. *(Gen. p. 240. 1836-40.)* — Petiolus teres l. apice leviter sulcatus, 15-18 pollic. longus. Geniculum longulum. Lamina fol. 24-28 poll. longa, 6-7 poll. ad

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basin supremi trientis lata, basin versus gradatim angustata, imo obtusulo, apicem versus levissime angustata, summo apice rotundata l. valde-obtusata, apiculata, crasse-coriacea, utrinque glauco-viridis, costa dorso alte-, antice plano-convexa, venis utrinque ad 40, immersae, approximatae, venulis creberrimis connexae, in pseudoneurum a margine late-remotum quoque immersum anastomosantes. Pedunculus bipedalis et ultra, crassus, teres. Spatha latiuscule-lanceolata, apice abruptius cuspidulata, basi amplexa, intus rubens. Spadix sessilis, strictus, subulato-conoideus, spatham 5-pollicarem tribus pollicibus superans. Baccae pyriforme-obovatae albidae l. sordide violascenter albidae, vertice ex pallide-violaceo virentes. Semen ellipticum, pallide-ochraceum. Embryo late-compressus. — Brasilia. S. — *v. pl. v. spontan. et sicc. Herb. Hooker.*

*Synon.* Anthur. glaucum. S. 1832.
— glaucescens. Knth.

Grex 9. **Platylonchium.**

Caudex assurgens. Petioli longi. Lamina fol. chartacea l. subpergamena, oblonga, basi rotundata, subcordata, obtusa l. acuta, impunctata, costa firma haud crassa, venis remotis tenuibus, pseudoneuro continuo interdum nervum manifestum mentiente. Pedunculi longi. Spadix potius bre-

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vis, multiflorus. Ovarii loculamentum uniovulatum. Bacca virescens.

79. **Vellozianum**. *S.* Petioli 5-7-pollicares, semiteretes. Geniculum longulum, semiteres. Lamina fol. 6-12-pollicaris, 2-4 pollices lata, elliptico-oblonga, l. oblonga, basin apicemque versus acutata, in juvenculis et obtusata et rotundata, supra laevigata, lucidula, infra pallidior, venis in vivis parum conspicuis in exsiccatis utrinque 12-18, venastris 1-3 interven. occupantibus comitatis, omnibus patentissimis, pseudoneuro tenui, haud multo a margine remoto. Pedunculus 12-14 pollices longus, tenuis, debilis, folio brevior. Spatha lineari-lanceolata, paulo decurrens, acuminato-cuspidata. Spadix cylindroideus rectus, spatha paulo l. multo longior, stipite brevissimo suffultus, brunneo-violascens. Baccae minutae sphaeroideae sordide-virentes. Semen apice abrupte-attenuatum, parte attenuata lateraliter curvata. — Brasilia. Vellozo. S. — *v. v. plant. spontan. et cult.*

*Synon.* Pothos parasitica. Flor. Flum.

80. **Miquelanum**. C. Koch. *(Append. 1855. p. 5.)* — Petiolus semiteres. Lamina fol. pergamena, supra saturate-virens, nitens, infra flavo-virens, 15-16 pollices longa, 5-5¼ pollices lata, elliptico-oblonga, a medio basin versus sensim angustata, imo repentino obtusato, apicem versus gradatim acumina-

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ta, venis magis perspicuis utrinque 16-18, venastris subtribus intervenium occupantibus, parallelis, comitatis, pseudoneuro a margine late-remoto. Pedunculus 9-12-pollicaris, antice carinatus. Spatha lineari-lanceolata, spadice brevior, basi amplexa. Spadix brevissime stipitatus, 5-6-pollicaris, violascens. — Patria . . . . .? — *v. specim. viv. a Lauchio missum.*

81. **Olfersianum.** Knth. *(En. III. p. 72. 1841.)* Petiolus 8-9 pollices longus, semiteres. Geniculum longulum l. longum semiteres l. canaliculato-excavatum, marginibus argutis. Lamina fol. 12-14-pollicaris, $4^1/_2$-6 pollices lata, elliptico-oblonga l. elliptica, supra atroviridis lucidula, infra pallide-viridis, imo repentino- l. abrupte-contracto, apice plus minusve arcuatim acutata, cuspide brevi aucta, venis utrinque 15-18, perspicuis, venastris totidem, raro 2-3, intervenium percurrentibus, comitatis, aperte-patentibus, pseudoneuro exortu interdum in nervum manifestum incrassato, procursu attenuato, a margine late- l. valde distante. Pedunculus teres, longus. Spatha lineari-lanceolata, basi amplexa, apice cuspidata. Spadix subsessilis, spatha sesquilongior, 5-pollicaris, rubiginoso-violaceus. Baccae breviter-obovoideae, virides. Semen compresse-ovoideum, flavens. — Brasilia. Knth. S. — *v. v. plant. spontan. et cult. sicut et specimina sicca.*

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82. **bellum**. *S. (Oest. B. Ztschr. 1859. p. 100.)* — Petioli 5-8-pollicares, sulcati. Geniculum longulum l. longum. Lamina fol. valde-variabilis, 7-8-11-18 pollices longa, 3½-5½-8 pollices lata, elliptica, ovato-elliptica, oblonga, late-oblonga l. ovalis, basi linea introrsum arcuata cuneata, l. rotundata et imissimo tantum cuneato, apicem versus gradatim linea extrorsum arcuata contracta, abrupte cuspide lanceolata aucta, l. sensim acuminata l. cuspidato-acuminata, venis! utrinque 9-11-13 remotis, venastris 1-3 intervenium parallele l. subparallele occupantibus comitatis, pseudoneuro a margine valde-remoto. Pedunculus petiolo paulo longior, firmus. Spatha lanceolata, basi breviter-decurrens, apice cuspidulata. Spadix juliformis, firmus, strictiusculus, 4-5 pollices longus stipite 6-8 lineas longo sustentus. — Brasilia, Rio Jan.? Riedel. — *v. sicca specim. spont. in Herb. Hort. Petrop. etc.*

83. **lucidum**. Knth. *(En. III. p. 73. 1841.)* — Petiolus teres, laminam parum superans. Geniculum elongatum, teres. Lamina fol. 8-11 pollices longa, 4-6 pollices inferne lata, oblonga, ovato-oblonga l. oblongo-ovata, basi cordata, auriculis rotundatis, apicem versus linea extrorsum arcuata angustata, apiculata, venis plurimis, 19-22, inferioribus retrovergentibus, l. apertissime patentibus, reliquis aperte-patentibus, approximatis, rectiusculis, subparallelis, pseudoneuro a

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margine late l. satis remoto, ceterum supra nitida, subtus pallide-virens. Pedunculus petiolo paulo l. multo longior, teres. Spatha lanceolata, basi parum decurrens, apice cuspidata. Spadix breviter-stipitatus, cylindricus, rectus, $2^1/_2$-4-pollicaris. — Brasilia. Knth. S. — *v. plant. spontan. v. et specim. plura sicca.*

*Synon.* Anthur. Luschnathianum. Knth. fide speciminib. authenticis comparatis!

### Grex 10. **Oophyllium.**

Caudex prorepens, abbreviatus. Petioli longi. Lamina fol. petioli longitudine l. illo brevior, ovata l. elliptica, basi rotundata imo subcuneato l. arcuate-cuneata, costa tenui, venis remotis tenuibus, pseudoneuro continuo l. interrupto, tenui, impunctata. Pedunculi folii longitudine l. longiores. Spadix brevis, pauciflorus. Ovarii loculamenta uniovulata. Bacca colorata l. vertice virens.

84. **flavescens.** Poepp. *(N. Gen. III. p. 83. 1845.)* — Petiolus 4-7-pollicaris. Geniculum longulum. Lamina fol. obovato-elliptica, 5-7 pollices longa, 2-3 pollices lata, basin versus linea extrorsum arcuata cuneata l. acutata, apicem versus repentino arcuatim angustata subabrupte-cuspidata, subcoriacea,

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rigida, supra obscure-viridis, subtus flavida, venis utrinque 15-20, aperte-patentibus, pseudoneuro continuo a margine sat remoto. Pedunculus folium aequans l. superans. Spatha lanceolata, bipollicaris, reflexa, basi subdecurrens. Spadix subsessilis, cylindricus, bipollicaris, albidus. Bacca purpurea. — Peruvia. Poeppig. — *v. sicca specim. Herb. Poepp.*

85. **microphyllum**. Endl. *(Gen. p. 240. 1836.)* — Petiolus semiteres, 5-7-pollicaris. Geniculum breve. Lamina fol. 2-2½ (stirp. spontan.) 3-5 pollices (stirp. cultae) longa, 1-1½—2-2½ pollices lata, ovata, basi rotundata et imissimo imo subcuneata, apicem versus arcuatim angustata et apiculata, costa proportione crassula, venis supra in pagina subglauco-viridi vix perspicuis, in pagina inferiore dilutiore magis expressis, utrinque 7-12 patentibus l. aperte-patentibus, infimis plerumque in marginem excurrentibus, reliquis in pseudoneurum a margine remotiusculum anastomosantibus. Pedunculi teretes, tenues, debiles. Spatha lanceolata, reflexa, basi breviter-decurrens. Spadix stipitatus cum stipite ¼-½ pollicari ¾-⅝-pollicaris, rubiginoso-violascens. Bacca breviter-ovoidea, pallida, vertice viridis. Semen stramineo coloris. — Brasilia, Rio Jan. S. — *vidi plant. spontaneam in summitate Corcovadis, et culta sicut et exsiccata specimina.*

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## II. Folia digitinervia.

### Grex 11. Parabasium.

Caudex contractus. Petiolus longus, antice canaliculatus. Geniculum longum, interdum subindistinctum. Lamina oblonga, pergamena, 5-nervis, basi cuneata l. leviter cordato-emarginata; nervi intimi jam in inferiore laminae parte in pseudoneurum a margine late remotum arcuatim transeuntes; extimi in margine excuntes. Pedunculus longus. Spatha reflexa, virens, angusta, basi parum decurrens, spadice tenuiusculo brevior.

86. **trinervium.** Knth. *(En. III. p. 76. 1841.)* — Petiolus laminam subaequans. Geniculum obsoletum. Lamina fol. 12-13 poll. longa, 4½ poll. lata, subcoriacea, ex lanceolato oblonga, basin versus rotundata imo cuneato, apice sensim angustata, acutata, supra saturate viridis, lucidula. Nervi 5, extimi tenues, margini subapproximati, media lamina in marginem excurrentes; intimi crassiores, erectiusculi, leviter arcuati, in pseudoneurum continuum progredientes. Venae costales remotae, patentes, 6-7, venastris interjectis 1-3 comitatae. Spatha lineari-lanceolata, cuspidulata, basi brevissime decurrens. Spadix tenuis, sessilis, spatha paulo longior. — Brasilia. S. — *v. v. et sicc.*

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87. **quinquenervium**. Knth. *(En. III. p. 76. 1841.)* — Petiolus . . . . . Geniculum obsoletum canaliculatum. Lamina fol. 13-14 poll. longa 5 poll. lata, subcoriacea, late-lanceolato-oblonga, basin versus rotundata, imo cordatim repando, imissimo brevissime cuneato, apicem versus gradatim angustata. Nervi 5, extimi tenuiores, a margine haud late remoti, ad imam quartam partem lam. margini inserti; intimi crassiusculi, arcuatim arrecti, in pseudoneurum continuum procedentes. Venae costales sub-10, remotae patentes, venastris 3-5 comitatae. Spatha late lineari-lanceolata, basi brevissime decurrens, spadice dimidio brevior. Spadix stipitatus, stipite $^1/_4$-pollicari. — Nova-Granata. — *v. specim. sicc. a Humboldtio lectum in Herb. Willd.*

88. **Augustinum**. C. Kch. *(App. 1855. p. 7.)* — Petiolus 9-10 pollices longus, firmus, antice canaliculatus. Geniculum longum antice deplanatum. Lamina fol. 12-13 poll. longa, 5-6 poll. inferne lata, subcoriacea, oblongo-late-lanceolata, basi rotundata, et cordatim repanda l. subcordata, apicem versus gradatim acutata, cuspidato-acuminata. Nervi 7-9, exteriores tenuiores intimi omnium crassissimi, arcuatim arrecti, in pseudoneurum continuum prolongati; intimis vicini ad imam tertiam partem-laminae in marginem excurrentes, reliqui quo exteriores, eo prius margini inserti. Venae costales 12-14

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remotiusculae, inferiores aperte-patentes, superiores patentes, venastris subparallelis 2-3 comitatae. Spatha late lineari-lanceolata, longe-acuminata, basi vix decurrens, spadice multo longior. Spadix brevissime-stipitatus, violaceus, crassulus. — Patria . . . . .? — *v. exempl. viva a Lauchio communicata.*

89. **Dominicense.** *S. (Oesterr. B. Ztschr. 1858. p. 350.)* — Petiolus 5-6 pollices longus. Geniculum longulum, incrassatum, canaliculatum? Lamina fol. 8-10 pollices longa, 2-2½ pollices lata, subcoriacea, l. pergamena, oblongo-lanceolata, basi rotundata, et cordatim repanda l. subcordata, apicem versus sensim angustata, cuspidata saepe longe-cuspidata. Nervi 5-7, exteriores tenuiores, intimi inferne arcuati rectilineo fere demum prolati, in pseudoneurum continuum, intimis vicini ad imam tertiam laminae partem in marginem inserti. Venae costales sub-10, remotiusculae, omnes patentes, venastris 2-3 interjectis comitatae. Spatha lineari-lanceolata, cuspidata, basi vix decurrens, spadice brevior. Spadix sessilis subconoideus, crassulus. — Dominica. Imray. — *v. s. specim. spont. in Herb. Hooker.*

90. **subcordatum.** *S. (Oesterr. B. Ztschr. 1858. p. 181.)* — Petiolus 8-9 pollices longus sulcatus. Geniculum longum, incrassatum, sulcatum. Lamina fol. 6½ pollices longa,

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$3^1/_2$-$3^3/_4$ pollices lata, pergamena l. subchartacea, ovato-oblonga, basi rotundata et subcordata, apicem versus sensim linea arcuata angustata, acuta, apiculata. Nervi 5, extimi tenues, haud multo a margine remoti, ad $^1/_3$-$^1/_4$ laminae inferioris in marginem transgredientes, intimi inferne arcuati et demum late-, a margine remoti, curvatum pseudoneurum continuum constituentes. Venae costales sub-6, remotae, inferiores apertius patentes, summae patentes, venastris magis irregularibus 2-3 interjectis comitatae. Pedunculus 11-12-pollicaris. Spatha late lineari-lanceolata, longule et tenuiter cuspidata, basi brevissime decurrens. Spadix cum stipite $^3/_4$-pollicari $2^3/_4$-pollicaris, teretiusculus, juliformis. — Guatemala. Wendland. — *v. s. spec. spont. in Herb. Wendl.*

### Grex 12. **Episeiostenium.**

Caudex assurgens. Petiolus longus, teretiusculus, subsulcatus. Geniculum longum, subsulcatum. Lamina fol. cordiformis, pergamena, 7-9-, raro! 11-nervis; nervi intimi jam in inferiore laminae parte in pseudoneurum a margine late-remotum arcuatim transeuntes, reliquis valde arcuatis omnibus in marginem excurrentibus, raro et intimis vicinis laminae apicem versus prolongatis, alterum pseudoneurum a margine quoque remotum formantibus. Pe-

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dunculus longus. Spatha reflexa, angusta, basi vix decurrens, spadice tenui brevior.

91. **cordatum** C. Koch. *(Append. 1853/54. p. 5.)* — Caudex tenuis. Petioli praelongi, 18-21 pollices protensi, costa triplo quadruplove longiores, antice leviter-canaliculati. Geniculum longum, leviter-incrassatum, teretiusculum sulco obsoletissimo l. nullo. Lamina fol. sublanceolato-oblonga, 10-12 pollices longa, 5-5½ pollices inferne lata, basi leviter cordata, lobis brevibus sinum angustum l. obtectum formantibus, apicem versus sensim in cuspidem subabruptam angustatis. Nervi sub-7, intimi inferne valde-arcuati, in pseudoneurum continuum a margine late-remotum transeuntes, exteriores, gradatim tenuiores in marginem excurrentes, intimis vicini ad ⅓-¼ laminae inferioris. Venae costales utrinque 12-13, apertius patentes, venastris irregulariter comitatae. Pedunculi 24-27-pollicares, rubelli. Spatha late lineari-lanceolata, cuspidato-acuminata, basi subamplexa, spadice brevior. Spadix tenuis, juliformis, 4-5 pollices longus, vix stipitatus brunneo-violaceus. Bacca sphaeroidea pallide-virens, vertice saturate-virente. Semen flavens, purpureo punctato-maculatum. — Patria . . . . . ? — *v. v. cult.*

92. **Lhotzkyanum** *S.* Caudex pollicis crassitie. Petioli 9-11-pollicares, antice sulcati . . . . Geniculum longum, leviter sulcatum. La-

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mina fol. lanceolato-oblonga, 9-10-pollicaris, 4 pollices lata, basi cordata, lobis rotundatis, sinu aperto, haud profundo secedentibus, apicem versus sensim-angustata. longe cuspidata. Nervi sub-7, intimis inferne arcuatis, in pseudoneurum continuum a margine remotum procedentibus, intimis vicinis inferne valde-arcuatis ad primi laminae trientis infimi exitum marginem tangentibus, extimis tenuissimis, valde-arcuatis mox in margine terminatis. Venae costales utrinque sub-10, remotae patentes venastris interjectis sub-3, comitatae. Pedunculus 12-13-pollicaris. Spatha lanceolato-linearis, acuminata, basi paululo decurrens. Spadix breviter stipitatus, crassulus, $2^1/_2$-pollicaris, spatha brevior. — Brasil. Lhotzky. — *v. sicc. specim. spontan. a Lhotzkyo lectum in Herb. D.C.*

93. **fallax.** *S. (Oestr. B. Wchbl. 1857. p. 309.)* — Petiolus 6-pollicaris et ultra, antice sulcatus. Geniculum longum, sulcatum. Lamina fol. oblongo-cordiformis, $10^1/_2$ pollices longa, 6 pollices ad imum trientem lata, auriculis rotundatis sinu profundiusculo subparabolico secedentibus, apicem versus sensim acuminata. Costa 8 pollices longa. Nervi sub-9, intimi inferne ascendentes ad apicem infimi laminae trientis, in pseudoneurum continuum, a margine late remotum procurrentes, intimis vicini pari altitudine in marginem inserti, reliqui inferne retro-

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curvi apice sursum directi distantes, margini mox inserti. Venae costales venastris subaequicrassis auctae, ex apparentia plurimae, approximatae, rectiusculae subapperte-patentes. Pedunculus 12 pollices et ultra longus. Spatha lanceolato-linearis, acuminata, 2½ poll. longa, basi subdecurrens. Spadix tenuis, breviter-stipitatus. — St. Vincentii insula. Guilding. — *v. exempla spontan. in Herb. Hooker.*

94. **Isertianum** *S.* Petiolus . . . . . Geniculum longulum . . . . . Lamina fol. cordato-ovata, 13 pollices longa, 7½ medio lata, basin versus leviter arcuato-angustata, auriculis semiovatis, sinu profundiusculo, obtusulo sejunctis, apicem versus linea repentiuscule arcuata angustata, cuspide triangulari terminata. Costa 11 pollic. longa. Nervi 9, intimi ad mediam laminam arrecto-ascendentes, deinde arcuatim in pseudoneurum a margine late remotum transeuntes, intimis vicini exortu patentissimi abruptiuscule ad primum eorum trientem sursum curvati, mediam versus laminam marginem jungentes, reliqui retrocurvati et apice sursum directi mox in margine terminati. Venae costales, venastris subaequicrassis auctae, 8-10, primo intuitu plurimae, approximatae, subparallelae rectiusculae, subaperte-patentes. Pedunculus 15 pollices longus. Spatha lineari-lanceolata, acuminata, vix bipollicaris, basi brevissime decurrens

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Spadix subincrassatus, breviter-stipitatus. Baccae (immaturae tantum visae) — prominentes turbinatae? Guadelupa Isert. — *v. specim. spontan. in Herb. Hafniense.*

95. **Guildingii** *S. (Oestr. B. Wochenb. 1857. p. 301.)* — Petiolus 5-6-pollicaris, firmus, antice deplanatus. Geniculum longum canaliculatum. Lamina fol. 7-9 pollices longa, 5 pollices ad transitum primi laminae trientis infimi lata, imum versus leviter arcuate-angustata, auriculis semiovatis, sinu profundiusculo, rotundato-apertiusculo secedentibus, apicem versus sensim arcuato-angustata, subabrupte longe-tenuiterque cuspidata. Costa 6-7½ pollices longa. Nervi 9, intimi inferne subhorizontaliter exsertae, ad transitum primi laminae trientis infimi subabrupte sursum curvati, pseudoneurum continuum a margine late remotum formantes, intimis vicini retrocurvi valde sursum arcuati ad terminum imi laminae trientis margini inserti, reliqui valde retrocurvi, sursum arcuati, mox in margine excurrentes. Venae costales utrinque 13-14, subapproximatae, venastris interjectis 1-3 auctae, aperte- l. apertissime-patentes, rectiusculae. Pedunculus 8 pollices longus. Spatha lanceolato-lincaris, acuminata, sesquipollicaris, basi parum decurrens. Spadix tenuis, myosuroideus, cum stipite ¼-pollicari vix bipollicaris. — Insula St. Vincentii. Guilding. — *v. s. sp. spont. in Herb. Hook.*

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96. **corallinum** Poepp. *(Nov. Gen. III. p. 84. 1845.)* — Petiolus 16 pollices longus, semiteres, strictus. Lamina fol. 13-30 pollic. longa, 7-16 pollic. ad imam quintam partem costae lata, elongato-cordiformis, terminum infimum versus leviter rotundato-angustata, auriculis semiovatis, sinu profundo 2½-3-pollicari indicatis, maxima inferiore parte incumbentibus, ad petioli annexionem subpeltatim angustissime confluentibus, apicem versus primum sensim-, exitui proxime, repente-angustata, cuspide angusta subsesquipollicari terminata. Costa in foliis minoribus 9-10-pollicaris. Nervi 9, intimi inferne subhorizontaliter exserti, circum transitum imae quintae partis, sursum arcuati ibique in pseudoneurum intimum continuum, a margine valde remotum procedentes, intimis vicini inferne retro-arcuati, gradatim sursum vergentes, denique margini subapproximati pseudoneurum intermedium ad apicem laminae continuum formantes, reliqui valde retrocurvi cum apice sursum arcuati marginem petentes. Venae costales sub-6 utrinque ob venastra subaequicrassa haud exacte numerandae, apparentia approximatae, inferiores apertissime patentes, supremae erecto-patentes, rectiusculae. Pedunculus elongatus. Spatha elongato lanceolato-linearis, 5½ pollic. longa, tenuissime acuminata, basi breviter decurrens. Spadix subcaudaeformis, 6-7 pollices l. ultra longus,

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sessilis. — Peruvia. Poeppig. — *v. s. specimina in Herb. Poeppig.*

97. **concinnum** *S. (Oesterr. B. Wochenbl. 1857. p. 301.)* — Petiolus . . . . . Geniculum longum, sulcatum. Lamina fol. 15 pollices longa, 9-9½ pollices ad imam costae 5-tam partem lata, elongato-cordiformis, terminum infimum versus leviter rotundato-angustata, auriculis semiovatis, sinu subparabolice-aperto, 2½-3 pollices profundo separatis, apicem versus arcuatim angustata, longule-cuspidata. Costa 12-pollicaris. Nervi 13, intimi inferne erecto-patentes, ad ⅓ costae, tunc in pseudoneurum intimum a margine remotum procedentes, intimis lateraliter proximi adscendenter arcuati et in pseudoneurum intermedium continuum transgredientes, reliqui gradatim magis deorsum curvati et apicibus sursum arcuatis margini inserti. Venae costales, plurimae, approximatae, interjectis venastris auctae, omnes subaperte-patentes, rectiusculae. Pedunculus pedalis et ultra. Spatha 4½-pollicaris, lanceolata, acuminata, basi vix decurrens. Spadix tereti-conoideus, spatham subaequans, brevissime stipitatus. Ovaria conice prominula. — St. Vincentii insula, Guild. — *v. s. specim. spontan. in Herb. Hooker.*

## Grex 13. **Calomystrium.**

Terrestres. Caudex assurgens. Petiolus longus teres. Geniculum longum teres.

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Lamina fol. cordiformis, chartacea, 11-13-nervis; nervi subpedati, intimi rectiuscule-, patenterque prolati folii apicem versus pseudoneurum margini approximatum exstruentes; reliqui valde-arcuati omnes in marginem procurrentes. Pedunculus longus. Spatha erecta! latissima, colorata, basi amplexa, spadice brevi crassiusculo longior.

98. **nymphaeifolium.** C. Kch. *(App. 1854. p. 9.)* — Caudex 3-4 pedes longus. Petioli plantae adultae pedales usque bipedales. Geniculum parum incrassatum. Lamina fol. adultae sesquipedalis longitudine et 12 poll. ad medium lata, (juvenculae omnibus dimensionibus minor,) juvenculae rotundato-cordata, adultae ovato-cordata, exitum infimum versus leviter angustata, auriculis semiovatis, sinu $4^1/_2$-5 pollices profundo angusto l. obtecto approximatis l. incumbentibus, apicem versus repentius l. gradatim arcuatim angustata, subabrupte cuspidata. Costa (adultae) $13^1/_2$ pollices longa. Nervi 11, intimi erecto-patentes, rectiusculi, apice arcuatim in marginem ducti, intimis vicini apertissime patentes, sursum arcuati, ad duas tertias laminae marginem intrantes, reliqui retroversi, et apice sursum curvati, margini gradatim demissius inserti. Venae costales paucae 3-4, remotae, infimae e media lamina exortae arcuatae, secundae; sequentes, in pseudoneurum summo apice ex-

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structum procurrentes. Pedunculus 13-14-pollicaris. Spatha 4-5-pollicaris, $1^3/_4$ poll. lata, oblongo-elliptica, apice abrupte cuspidata, ex albido viridis. Spadix 3-$3^1/_2$-pollicaris, brevissime stipitatus, crassulus, $2^3/_4$ poll. longus, pallide ochraceus l. pallide sordide-purpurascens. — Venezuela. S. — *v. v. et s.*

99. **fucatum**. *S. (Oest. B. Ztschr. 1858. p. 387.)* — Petioli longi. Geniculum incrassatum, subpollicare. Lamina fol. ovato-cordiformis 11-12 pollices longa, 7 pollices ad transitum imae quintae laminae partis lata, exitum infimum versus leviter-angustata, auriculis elongato-semiovatis, sinu subtripollicari angusto disjunctis, apicem versus linea arcuata sensim angustata, abrupte cuspide acuminata terminata. Costa 8 pollices longa. Nervi 11, intimi arrecto-assurgentes, in marginem excurrentes, intimis vicini, exortu apertissime patentes, sursum arcuati, circum mediam costam margini juncti, reliqui retrocurvi, et a medio sursum arcuati, marginem mox petentes. Venae costales sub-6, venastris comitatae, remotae, infimae a media lamina exortae vix arcuatae, sequentes leviter-arcuatae, patentes in pseudoneurum prolongatae. Pedunculus longus. Spatha 4-pollicaris, 2 pollices et ultra lata, oblongo-elliptica, apice abrupte cuspidata, ceterum laevigata, alba, intus kermesino colore pallidissime obducta, extus ad medium kerme-

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sina. Spadix $2^1/_2$-pollicaris, brevissime stipitatus, tenuis, kermesinus (ex Gollmer.). — Caracas. Gollmer. — *v. s. specim. spontan. in Herb. G. Berol.*

100. **ornatum**. *S. (Oesterr. B. Wochenbl. 1857. p. 294.)* — Petioli . . . . . Geniculum longum. Lamina fol. 15 pollices longa, $9^1/_2$ pollices ad petioli affixionem lata, late cordato-ovato-oblonga l. ex ovato-oblongo cordiformis, exitum infimum versus paululo angustata, auriculis semiovatis, sinu $3^1/_2$-pollicari aperto disjunctis, apicem versus linea sensim arcuata angustata, summo apice abrupte cuspidata. Costa pedalis. Nervi 11, intimi recti, patentes, in marginem excurrentes, intimis vicini exortu apertissime-patentes, repentino sursum arcuati, ultra mediam costam in marginem excurrentes, reliqui retrocurvi et apice sursum arcuati, margini inserti. Venae costales 6-7, venastris comitatae, inferiores rectiusculae patentes, in marginem ductae, superiores magis arcuatae, inferne apertissime-patentes, in pseudoneurum junctae. Pedunculus longus. Spatha sub-6-pollicaris, inferne $2^1/_2$ poll. lata, ex ovato oblonga, apice cuspidata, basi subdecurrens. Spadix 5-pollicaris, crassulus, breviter-stipitatus. Ovaria tandem prominula. — Caracas. Linden. — *v. s. specim. spontan. in Herb. Hooker.*

101. **cochleatum**. Moritz. *(Exsicc. Nr. 452.)* — Petioli 18-20 pollices longi. Geniculum lon-

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gum. Lamina fol. 18-20 pollices longa, 12-13 pollices ad petioli affixionem lata, late-ex ovato-oblongo cordiformis, exitum infimum versus levissime angustata, auriculis late-semiovatis, sinu obtecto 5-pollicari haud remotis sed maxima parte incumbentibus, apicem versus linea sat arcuata angustata, cuspidata. Costa sub-14-pollicaris. Nervi 13, intimi inferne recti, patentes, arcuatim margini approximati et pseudoneurum continuum, a margine subremotum constituentes, intimis vicini aperte exortu patentes sursum arcuati ad $^3/_4$ laminae margini juncti, reliqui retrocurvi et a medio l. apice sursum curvi margini inferiori inserti. Venae costales sub-5 utrinque, inferiores e media costa exortae parum curvae, patentes, summae apertius patentes. Pedunculus 10-pollicaris, crassus. Spatha 5 $5^1/_2$ pollices longa, $1^3/_4$ poll. inferne lata, anguste oblongo-elliptica, abrupte cuspidata, alba, basi subdecurrens. Spadix tripollicaris, crassus, brevissime-stipitatus. Ovaria tandem prominula. — Caracas, e regione alpina. Moritz. — *v. specim. spontan. in Herb. Mus. Vindob.*

102. **consimile.** *S. (Oesterr. B. Wochenbl. 1857. p. 294.)* — Petiolus . . . . . Geniculum . . . . . Lamina fol. $16^1/_2$-17 pollices longa, 13 pollices ad imam quintam costae partem lata, late-cordiformis, exitum infimum versus in auriculas rotundata, auricu-

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lis obliquatis semiovato-semirotundatis, incumbentibus, sinu $4^1/_2$ pollices profundo, valde obtecto separatis, apicem versus linea inferne extrorsum arcuata, superne linea subintrorsum arcuata, repentimo angustata, summo apice subabrupte cuspidata. Costa 12-$12^1/_2$ pollices longa. Nervi 11, intimi apertissime patentes, marginem versus leviter-arcuati, a media costa circiter repentino sursum curvati in pseudoneurum continuum, raro interruptum, intimis vicini retro rectiuscule directi, juxta marginem repentino arcu semicirculari, sursum longe producti, ad mediam costam margini inserti, reliqui deorsum fere rectilineo-directi juxta marginem abruptius sursum curvati et prolongatione marginem intrantes. Venae costales sub-5, remotae, venastris auctae, omnes aperte-patentes, parum curvatae. Pedunculus longus, crassus. Spatha 6-7-pollicaris, 2 pollices lata, longe-cuspidata. Spadix 5-pollicaris, breviter-stipitatus, crassus. — Peruvia subandina. Poeppig. — *v. fol. laminam in Herb. Poepp.*

*Observ.* Crescit supra terram. Poepp.

103. **Lindenianum.** C. Koch. *(Allg. B. Grt.-Z. Nr. 30. p. 234. 1857.)* — Petioli 13-pollicares, crassuli. Geniculum subincrassatum sesquipollicare. Lamina fol. 15 pollices longa, 11 pollices in lobis l. auriculis lata, late ex ovato cordiformis, exitum infimum versus vix l. haud angustata, lobis l. auriculis

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late semiovatis, sinu $3^1/_2$-4 pollices profundo, triangulari, aperto, sejunctis, apicem versus linea sat arcuata subrepentino-angustata, cuspide abrupta triangulari aucta. Costa 10-$10^1/_2$ pollices longa. Nervi 11, intimi inferne aperte-patentes, demum arcuatim ad supremum marginis trientem procurrens, intimis vicini leviter retro-arcuati marginem in media lamina tangentes, reliqui retrocurvi et apice sursum arcuati margini inserti. Venae costales 5-6, venastris comitatae, infimae angulo valde acuto e costa exsertae, inferne rectiusculae, marginem versus abrupte in marginem curvae, sequentes patentes, rectiusculae, juxta marginem in pseudoneurum prolongatae. Pedunculus 18-19-pollicaris, firmulus. Spatha $5^1/_2$ pollices longa, 2 poll. et ultra ad apicem infimi trientis lata, oblongo-lanceolata, apicem versus sensim angustata, summo apice cuspide subsubulate-convoluto semipollicari abrupte aucta, ex toto alba, basi amplexa. Spadix $4^1/_2$ poll. longus, crassulus, flavidus, breviter-stipitatus. Stigma minutum. — Brasilia? C. Kch. — *v. v. cult.*

104. **Quindiuense.** *S. (Oesterr. B. Ztschr. 1858. p. 293.)* — Petiolus longus, robustus. Geniculum . . . . . Lamina fol. 10-$10^1/_2$ poll. longa, $7^1/_2$ pollices ad lobos l. auriculas lata, cordiformis, exitum infimum versus haud angustata, auriculis elongato-semiovatis sinu $2^1/_2$-pollicari lato triangulare-

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aperto divergentibus, apicem versus subrepentino arcuatim angustata, in cuspidem triangularem terminata. Costa $7^1/_2$-pollicaris. Nervi 11, intimi inferne aperte-patentes, arcuatim sursum in marginem directi, intimis vicini sub-deorsum vergentes, in marginem ex apice sursum directi, reliqui retrorsum porrecti, apice plus minusve abrupte sursum curvati, marginem petentes. Venae costales sub-6, venastris comitatae, infimae ex apice imi costae trientis, aperte-patentes cum nervis intimis apice connexae, etiam sequentes, reliquae magis curvatae in pseudoneurum apicalem excurrentes. Pedunculus longus. Spatha $5^1/_2$ pollices longa, $1^1/_2$ poll. ad terminum imi trientis lata, anguste-elliptica, apice abrupte subulate-cuspidulata. Spadix $3^1/_4$ poll. crassulus, basi brevissime stipitatus. Stigma minutum. — Nova-Granata. Holton. — *v. specim. spontan. in Herb. Hooker.*

105. **fraternum**. *S. (Oest. B. Wchnbl. 1857. p. 293.)* — Petioli 8-9 pollices longi. Geniculum . . . . . Lamina fol. 9-11 pollices longa, sub-5 poll. ad petioli annexionem lata, elongato-cordiformis, exitum infimum versus leviter angustata, auriculis elongato semiovatis, sinu parabolico l. triangulare-aperto remotis, apicem versus sensim linea leviter-arcuata angustata longule abrupte- l. subabrupte-cuspidata. Costa $6^1/_2$-$9^1/_2$ pollices longa. Nervi 11, intimi inferne aperte-patentes, in

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pseudoneurum continuum extra laminae medium procurrentes, vicini inferne subretrocurvi apice valde prolongato sursum arcuato ad mediam costam margini juncti, reliqui retro-arcuati demum sursum curvati marginem mox tangentes. Venae costales sub-5 utrinque, remotae, venastris comitatae, infimae ad terminum infimi quartae partis costae patenter exsertae supremae magis aperte-patentes. Pedunculus pedalis, firmus. Spatha 3-4¾ poll. longa, ⅝-⅞ poll. inferne lata, sublanceolato-oblonga, in cuspidem semipollicarem abrupte contracta. Spadix 2¾-3½ poll. longus, crassulus, breviter-stipitatus. — Nova-Granata. Purdie. — *v. s. specim. spontan. in Herb. Hooker.*

106. **inamoenum**. *S.* — Petioli . . . . . Geniculum . . . . . Lamina fol. 12 pollices longa, vix 7 poll. supra petioli annexionem lata, exitum infimum versus leviter-angustata, ex ovato-oblongo cordiformis, auriculis elongato-semiovatis, sinu 2¾ pollices profundo angusto sejunctis, apicem versus linea sat arcuata angustata et summo apice cuspidata. Costa 9 pollices longa. Nervi 11, intimi patentes, inferne rectiusculi, apice in marginem sursum curvati, proximi retrorsum arcuati, in mediae circiter laminae marginem procurrentes, reliqui deorsum arcuati et medio subabrupte sursum curvati marginem petentes. Venae costales sub-6, aperte-patentes infimae ad apicem quintae infi-

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mae partis exsertae, cum nervo intimo apice junctae, reliquae in pseudoneurum continuum unitae. Pedunculus 20-22 poll. longus. Spatha (vix aperte!) 4 pollices longa, pollicem medio lata, longe cuspidato-acuminata. Spadix $2^1/_2$-pollicaris, tenuis, breviter-stipitatus. — Caracas. Gollmer. — *v. s. specim. spontan. in Herb. G. Berol.*

107. **angustatum.** Knth. *(En. III. p. 79. 1841.)* Acaule? foliis ovato-lanceolatis, profunde-cordatis, acuminatis, 5-nerviis, subcoriaceis; lobis basilaribus rotundatis, approximatis; spatha oblongo-elliptica, obtusa, plana, subcoriacea, multinervia, spadice breviore; pedunculo tereti. Knth. l. c. — Sylvae Orinocenses.

Folia pedalia. Spadices bipollicares, cylindracei, crassitie pennae anserinae; fructiferi crassitie digiti. Spathae bipollicares et longiores. Pedunculi subpedales. Knth. l. c.

*Observ.* Folii lamina a lobis posticis apicem versus continue sensim-angustata. Spatha erecta, 3 pollices longa, $1^1/_2$ pollices lata, inferne rotundata, vix decurrens, apice sensim angustata, cuspidulata. Spadix longissime-stipitatus, stipite $^5/_4$ pollices metiente. — *v. delineat. speciminis Bonplandii in Herb. Mus. Paris. — An recte hic collocatum?*

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## III. Folia pedatinervia.

### α. Cordiformia.

### Grex 14. **Neurolysium.**

Caudex contractus. Petiolus longus, subteres. Geniculum longulum subteres, levissime sulcatum. Lamina chartacea. Nervi sub-11, juvenculae omnes! in marginem excurrentes, intimi l. interlobares apertepatentes, rectiusculi, inferiores rectiusculi quoque juxta marginem abrupte sursum arcuati in costulae rudimentum posticum basi longe conjuncti. Venae costales sub-10, nervis intimis parallelae, remotiusculae, infimae a petiolo et superioribus subaequidistantes, intervenio venastro solitario percurso. Pedunculus longus. Spatha lanceolata, patentissima, basi amplexa. Spadix digitiformis, stipitatus l. substipitatus, brevis.

108. **metallicum** Linden *(Catal.)* — Lamina fol. ex ovato cordiformis, basi sinu profundo rotundato aperto instructa, apice repentino arcuate-angustata, brevissime cuspidata. Spatha viridis. Spadix pallide-flavo-virens, stipite interdum brevissimo. Pollen albido-flavum. — *v. v. cultum.*

109. **obliquatum** *S. (Oestr. B. Zeitschr. 1858. p. 387.)* — Lamina fol. ex oblongo cordiformis basi auriculis semiovatis, sinu aperto, sesquipollicari disjunctis, exacte retrorsis, hinc linea extrorsum illinc subintrorsum

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curva aequilate longe producta, apice tantum repentino contracta, in acumen cuspidatum oblique exsertum terminata, ceterum 11 pollices longa, ad $^2/_3$ usque $4^1/_2$ pollices lata, laete-viridis. Pedunculus tenuis. Spatha lanceolata, acuminata laete-viridis, patula, spadicem duplo superans. Spadix cylindraceus, sessilis purpurascens, 14 lineas longus. Venezuela? Moritz. — *v. s. specim. spontan. in Herb. G. Berol.*

Grex 15. **Amphineurium.**

Caudex contractus? Petiolus longus, sulcatus. Geniculum longum sulcatum. Lamina fol. cordiformis. Nervi 13-15, omnes pseudoneuro connexi, intimi (interlobares) patentes, rectiusculi, inferiores leviter-arcuati, in costulae rudimentum posticum basi longe connexi. Venae costales 11-15, nervis intimis parallelae, exortu ab illis haud multo remotae, venastrum solitare intervenium percurrens. Pedunculus longus. Spatha lanceolata, patens l. reflexa, basi decurrens. Spadix digitiformis, sessilis, brevis.

110. **alienatum** *S.* Lamina fol. 17-18 pollices longa, 11-12 pollices ad exortum primarum venarum lata, deorsum (in auriculas) leviter arcuatim angustata, auriculae rotundatae, oblique semiovatae, sinu valde profundo ($4^1/_2$ pollices), juxta petiolum rotundato, haud multo ampliato sejunctis, api-

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cem versus a medio subrectilineo triangulariter sensim angustata, cuspidato-acuminata. Nervi 15. Venae costales utrinque 13-15. Pseudoneurum margini valde approximatum. Pedunculus 16-17 pollices longus. Spatha reflexa, basi sub-longe decurrens. Spadix $3^1/_2$-pollic. Spatha uti videtur paulo longior. Semen ovale, micropyle prominula. Embryo dilatatus. — Peruvia. Lechler. — *v. specim. spontan. in Herb. Hooker.*

111. **obtusilobum** *S. (Oestr. B. Ztschr. 1858. p. 181.)* — Lamina fol. pedalis, in auriculis sub-7 pollices lata, oblongato-cordiformis, auriculis rotundatis (exitu!), elongato-semiovatis, sinu basi rotundato sensim in apertum ampliato $2^1/_2$ pollices profundo secedentibus apicem versus ex auriculis leviter sensimque rectilineo angustata, summo apice abrupte contracta, cuspide anguste-lanceolata longa aucta. Nervi 11. Venae costales 12-15. Pseudoneurum margini approximatum. Pedunculus virgineae 7-8-pollicaris. Spatha virginea arrecta, late-lanceolata, apice longe cuspidata, basi longule-decurrens. Spadix juvenculus spatha brevior, bipollicaris. — Costa-rica. Wendland. — *v. sicc. specim. spontan. in Herb. Wendl.*

## Grex 16. Andiphilum.

Caudex contractus. Petiolus longus, semiteres l. sulcatus. Geniculum idem. Lamina fol. cordiformis. Nervi 13-15, intimi

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(interlobares) subcurvati patentes, plerumque pseudoneurum continuum, saepe tamen et interruptum constituentes, reliqui curvuli in marginem excurrentes, ad basin in costulae rudimentum longe connatae. Venae costales 5-7, nervis intimis subparallelae, exortu ab illis remotae. Venastrum subsolitare intervenium percurrens. Pedunculus longus. Spatha lanceolata, patens l. divergens, basi sub- l. manifeste-amplexa. Spadix juliformis, stipitatus brevis.

112. **Hoffmannii** *S. (Oesterr. B. Zeitschr. 1858. p. 181.)* — Lamina fol. 14-16 pollices longa, 9-11 poll. lata exacte cordiformis, auriculis exitu rotundatis semiovatis, sinu basi rotundato, pollices 3 profundo, subparabolico l. parabolico sejunctis saepeque ad sinus ostium approximatis, apicem versus linea leviter arcuata angustata, cuspide lanceolata modica aucta. Pseudoneurum margini approximatum. Pedunculus 9-10-pollicaris. Spatha latiuscule-lanceolata, abrupte cuspidato-acuminata sub-4-pollicaris. Spadix crassulus, breviter-stipitatus, longitudine spathae. — Costa-rica Hoffmann. — *v. sicc. specim. Herb. G. Berol. Hoffmannio lecta.*

113. **cucullatum** C. Koch. *(Index. 1853. p. 16.)* — Lamina fol. rotundato-cordiformis, serius cucullata, 7-9 pollices longa, 6 pollices lata, auriculis exitu rotundatis breviter semiovatis, sinu $1^1/_2$ poll. profundo, aperto-

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disjunctis, apicem versus rotundate-angustata, subabrupte cuspidata. Pseudoneurum a margine remotum. Pedunculus 6-9-pollicaris, tenuis. Spatha sesquipollicaris latiuscule-lanceolata, longe-angusteque cuspidato-acuminata, reversa. Spadix longe-stipitatus, cum stipite pollicaris circiter, absque stipite 8-9-lineas longus, ruber. — Patria? — *v. v.*

114. **andicola** Liebmann. *(Vidensk. Meddelels. p. 22. 1849—50.)* — Lamina fol. pergamena, 9 poll. longa, 6½ poll. ad auriculas lata, triangulare-cordiformis, auriculis rotundatis, latis, brevibus, sinu 1½ pollic. profundo, late-basi rotundato, gradatim ampliato sejunctis, apicem versus linea rectiuscula sensim angustata, apiculate-acutata. Pseudoneurum a margine subremotum. Pedunculus 6-7-pollicaris. Spatha subsesquipollicaris, late-lanceolata, cymbiformis, breviter cuspidata, sordide ex ferrugineo virens. Spadix breviter-stipitatus, cum stipite 1¼-l. haud exacte sesquipollicaris, crassulus, brunneo-purpureus. — Mexico. Liebm. — *v. v. cult. et specim. sicc. spontan. Herb. Liebmann.*

115. **umbrosum** Liebmann. *(Vidensk. Meddelels. p. 21. 1849—50.)* — Lamina fol. sub-8-pollicaris, 4½-5 pollices ad petioli insertionem lata, acutate-cordiformis, auriculis elongatis, exitu rotundatis, sinu 2½ pollices profundo, amplo distantibus, apicem

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versus linea rectiuscula sensim angustata et acutata in acumen cuspidatum elongatum, ceterum subcoriacea, supra densiuscule nigro-punctata. Pseudoneurum a margine remotum. Pedunculus 13-14 pollices longus. Spatha lanceolata, acuminata, patula l. demum recurva, spadice brevior. Spadix breviter-stipitatus, subtripollicaris, tenuiusculus. — Mexico. Liebmann. — *v. sicc. specim. spontan. Herb. Liebmann.*

### Grex 17. Chondrophyllium.

Caudex brevis. Petiolus longus, semiteres, antice excavatus. Geniculum praelongum, rubens, leviter-sulcatum l. teretiusculum. Lamina fol. cordiformis, cartilaginea. Nervi 9-11, intimi (interlobares) sursum arcuati, patentes, pseudoneurum continuum l. uno latere interruptum formantes, reliqui deorsum arcuati, margini inserti, exceptis interdum intimis vicinis solutis longe-procurrentibus alterum pseudoneurum exterius proferentibus, in costulae posticae rudimentum longe connati. Venae costales sub-7, dorso parum prominulae, rectiusculae, infimae a nervis intimis valde remotae, nervis intimis haud parallelae, ceterum distantes, patentes. Venastra 1-3 intervenium occupantia. Pedunculus longus. Spatha anguste-lanceolata, patentissima, basi oblique-amplexa.

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Spadix juliformis substipitatus, brevis l. longulus.

116. **cartilagineum** Kuth. *(En. III. p. 79. 1841.)* — Petiolus semiteres. Geniculum apice canaliculatum. Lamina fol. cartilagineo-coriacea, rigida, bullato-undata, 14-18 etc. pollices longa, 7½-9 etc. pollices ad transitum imi trientis lata, oblongo-ovato-cordata, auriculis elongatis, exitu rotundato et obliquato, introrsum producte subcircinatim et subverticaliter e laminae plano surrecto, late-incumbentibus, sinus 3-4 pollicaris (profunditate) aperturam brevem juxta petiolum tantum relinquentibus, apicem versus arcuatim-angustata, apiculo subulato longo cuspidem brevem terminante aucta. Pseudoneurum intimum a margine valde-remotum, extimum secundum a margine distans. Pedunculus foliis saepe longior. Spatha lineari-lanceolata, patentissima, acuminatissima, pallide-virens, hinc inde purpurans. Spadix tereti-myosuroideus, atroviolaceus. — Venezuela (S.) — *v. v.*

117. **Appunianum** *S.* Petiolus antice aperte-sulcatus. Geniculum levissime sulcatum. Lamina fol. crasse-coriacea, rigidula, undata, supra saturate-, infra flavo-viridis, 17-21 pollices longa, ad petioli insertionem 10-11 pollices lata, elongato-cordiformis, auriculis retrorsis, leviter obliquatis, longulis, exitu rotundatis, sinu subparabolico 5-6

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pollices profundo sejunctis, apicem versus linea rectiuscula sensim angustata, acutata et apiculo brevi l. brevissimo terminata. Pseudoneurum intimum a margine late remotum, secundum e nervo intimis proximo prolongatum, ad mediam laminam usque late-distans, ibi margini approximatum et secus marginem procurrens. Pedunculus petioli fere longitudinis illum quandoque superans. Spatha lanceolata latiuscula, acuminata, viridis. Spadix myosuroideus, violaceus. — Venezuela. Appun. — *v. v. cult.*

118. **Boucheanum** C. Koch. *(App. 1855. p. 7.)* — Petiolus semiteres. Geniculum sulcatum. Lamina fol. crasse-coriacea, rigidula, sublaevigata, supra saturate-, infra pallidius-viridis, 16-20 pollices longa, 9-10 pollices ad petioli insertionem lata, elongato-cordiformis, auriculis retrorsis, leviter-obliquatis, longulis, exitu rotundatis, sinu parabolico l. subaperto, sub-5-pollicari profunditate divisa, apicem versus linea rectiuscula gradatim angustata, elongato-cuspidato-acuminata, apiculo subulato longo terminata. Pseudoneurum a margine remotum, secundum mox margini approximatum ibique longe-procurrens. Pedunculus folia interdum longe superans. Spatha lanceolata, angustata, cuspidato-acuminata, viridis. Spadix myosuroideus, violascens, stipite manifesto haud tamen longulo fultus. Bacca sphaeroidea, atroviolacea, fructus Pruni

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spinosi magnitudine. Semen sphaeroideo-ovoideum, compressulum lividum. Albumen flavo-virens. Embryo apice dilatatus pallidius flavo-virens. — Venezuela Appun. — *v. v. cult.*

119. **Laucheanum** C. Koch. *(Allg. Berl. Grt.-Zeit. p. 191. 1857.)* — Petiolus antice leviter-canaliculatus. Lamina fol. coriacea, oblongo-lanceolata, auriculis mediocribus, rectis. Spatha late lanceolata, reflexa, spadice breviter-stipitato fere duplo brevior. C. Koch.

## Grex 18. Eucardium.

Caudex contractus. Petiolus longus, teretiusculus, levissime sulcatus. Geniculum longulum, levissime sulcatum. Lamina fol. cordiformis pergamena. Nervi 9-15, interlobares sursum porrecti, inferne rectiusculi, apice arcuatim in marginem procurrentes, exortu patentes, reliqui, exceptis interlobariis proximis divaricatis, basi in costulae posticae rudimentum longe-connatis, retroversis, juxta marginem abrupte sursum curvis, in marginem prolongatis. Venae costales utrinque 4-5, aperte-patentes, inferne rectiusculae, apice tantum curvatae, infimae a nervis interlobariis valde remotae, excurrentes, summae tantum in pseudoneurum continuum junctae. Venastrum subsolitare intervenium occupans. Pedunculus longus. Spatha lanceolata, patens l. patentissima, basi oblique

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amplexa. Spadix breviter-caudaeformis, stipitatus.

120. **cordifolium** Knth. *(En. III. p. 76. 1841.)* — Petiolus tenuis. Geniculum abbreviatum. Lamina fol. laevigata, 16-18 pollices longa, infra petioli insertionem 10-11 poll. lata, elongato-cordiformis, auriculis latis, exitu rotundatis, obliquatis, sinu 4 pollices profundo imo tantum rotundate sejunctis, reliqua parte incumbentibus apicem versus sensim subrectilineo angustata, summo apice subabrupte cuspidata. Venae costales superiores interdum apice magis surrectae. Pseudoneurum apicale a margine valde remotum, altero margini approximato, e venis infimis exorto comitatum. Pedunculus 18-20-pollicaris. Spatha longe immo longissime acuminata. Spadix tenuis, breviter-stipitatus, spatha plus minusve longior. Antherae parum exsertae. — Insula St. Christophori. Casström, Forsström. — *v. v. cult. et in Herb. Holminense sicc. spont.*

*Observ.* Anthurium cordifol. in Herbario Swartzii sub designatione „Pothos. Ind. occid.“ inveniendum. Aliud synonymon ibi reperiendum est „Pothos cordata. *L.* sec. Euphrasen ex Herb. Alstroem.

### Grex 19. **Macrophyllium.**

Caudex contractus. Petiolus longus, antice carinato-sulcatus. Geniculum haud longum, carinato- l. excavato-canalicula-

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tum. Lamina fol. abnorme-cordiformis, coriacea. Nervi 11-13, intimi (interlobares) sursum porrecti, rectiuscule l. subsigmoidei, exortu patentes, pseudoneurum incompletum, interruptum proferentes, reliqui, exceptis infimis subretro-arcuatis, basi in costulae posticae rudimentum breviter connatis, divaricato-patentibus, subcurvatis. Venae costales 7-9, rectiusculae, apice tantum curvatae, infimae nerviformes, a nervis interlobariis parum remotae, costae valde decurrentes, exortu patentes, sequentes ab illis remotae cum reliquis inter se minus distantibus, in summitate laminae pseudoneurum continuum formantibus, apertius patentes. Venastrum in intervenio solitare, irregulare. Pedunculus longus. Spatha lanceolata, patentissima, basi oblique amplexa. Spadix caudaeformis, sessilis.

121. **macrophyllum** *S.* Lamina fol. subcoriacea, 24 pollices longa, $7\frac{1}{2}$-8 pollices ad petioli insertionem lata, cordato-oblonga, auriculis brevibus, rotundatis, sinu vix ultrapollicari, apertissimo late-disjunctis, apicem versus inferne sensim, superne abruptius linea arcuata angustata, acutata, proportione breviter acuminato-cuspidata. Pseudoneurum in summo apice laminae, a margine late-remotum, uno l. altero latere secundo margini approximato e venis inferioribus exorto duplicatum. Pedunculus longus. Spatha lan-

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ceolato-linearis 5 pollices longa. Spadix proportione tenuis. — Insula Porto-rico. Krebs. — *v. sicca exemplaria Berolinensia et spontan. Herb. Hafniensi.*

*Synon.* Anthur. Selloum. C. Koch.

*Observ.* Deest. Pothos macrophyllus in Herbar. Swartziano. — Anthurium macrophyllum Endl., Knth. est planta e plurimis speciebus conflata.

122. **grandifolium** Knth. (*En. III. p. 77. 1841.*) — Lamina fol. coriacea, adultae 15-18 pollices longa, 11-13 pollices ad petioli insertionem lata, triangulare-cordiformis, auriculis retrorsis l. et subextrorsis, rotundatis, sinu $1^1/_2$-2-pollicari (profunditate) late-aperto l. apertissimo remotis, apicem versus linea levissime arcuata, sensim angustata, breviter-cuspidata. Pseudoneurum e nervis et venis inferioribus, interruptum e venis summis tantum continuum, a margine remotum. Pedunculus longus, crassus. Spatha late-lanceolata, acuminata, saepe semitorta, horizontaliter l. subretrorsum directa. Spadix tereti-fusiformis, brunneo-violaceus pedalis et ultra. Baccae pyriforme-obovoideae, atro-violaceae. Semen oblongo-ovoideum, micropylen versus magis attenuatum, compressulum atro-violaceum. Embryo summitate incrassato-dilatatus, radiculam versus attenuatus, ut albumen pallidissimus. — Caracas. Jacquin. — *v. v. cult.*

*Synon.* Anthur. amplum Knth.

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## Grex 20. **Sobaronium.**

Caudex breviter-assurgens. Petiolus longus, canaliculato-sulcatus. Geniculum breve canaliculato-sulcatum. Lamina fol. ampla cordiformis, pergamena? Nervi 15-21, interlobares patentes, rectiusculi, apice arcuatim in marginem transcedentes, reliqui, exceptis interlobariis deorsum vicinis 1-2 sursum arcuatis, basi liberis, inferne in costulae posticae rudimentum longe connatis, retroversis, juxta marginem abrupte sursum curvis, margini insertis. Venae costales 9-20, patentes remotae, parum curvae, cum nervo interlobari subparallelae, infimae ab illo magis remotae, summae tandem in pseudoneurum continuum unitae. Venastrum solitare intervenium transgrediens. Pedunculus longus. Spatha late-lanceolata, patens l. patentissima, basi decurrens. Spadix caudaeformis, crassus, breviter-stipitatus.

123. **Bogotense.** *S. (Oestr. B. Wochenbl. 1857. p. 302.)* — Lamina fol. ad 26 poll. longa, 16-18 pollices ad petioli insertionem lata, subelongato-cordiformis, auriculis magnis, latis, rotundatis, introrsum auctis, curvis, saepe exitu incumbentibus, sinum juxta petiolum late-rotundatum, aperturae in modum monstrantibus, apicem versus linea arcuata gradatim angustata. Nervi 21. Venae 17-18. Pseudoneurum apicale margini

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approximatum. Spatha 7-8 pollices longa, $^5/_4$-$^6/_4$ poll. lata, cuspidato-acuminata, patens. Spadix sub-9-pollicaris, stipite brevi libero suffultus. Ovaria conice prominula — Nova-Granata. Holton. — *v. s. specim. spontan. in Herb. Hooker.*

124. **formosum**. *S. (Oesterr. B. Zeitschr. 1858. p. 181.)* — Lamina fol. ad 32 pollices longa, 21-22 poll. ad petioli insertionem lata, elongato-cordiformis, auriculis maximis, retrorsis, exitu introrsum obliquato rotundatis, sinu 8 pollices profundo late-parabolico basi late-rotundato sejunctis, apicem versus gradatim angustata abrupte, cuspidato-acuminata. Nervi 13. Venae sub-10. Pseudoneurum e vena secunda l. tertia costae continuum, margini approximatum. Pedunculus crassus. Spatha pallide-rosea, 7-8 pollices longa, $1^1/_2$-$1^3/_4$ poll. lata, abrupte cuspidata, basi haud longe decurrens, spadicem juvenculum sessilem multo-superans. — Costa-rica. Wendland. — *v. spec. sicc. spontan. in Herb. Wendlandii.*

125. **Liebmannii**. *S. (Bonpl. 1859. p. 165.)* — Lamina fol. 20-21 pollices longa, 16-17 pollices ad petioli insertionem lata subelongato-cordiformis, auriculis magnis, retrorsis, exitu rotundatis, sinu $4^1/_2$-5 pollices profundo, juxta petiolum rotundato, campaniforme aperto, latiusculo sejunctis, apicem versus subrepentino linea arcuata angustata . . . . . Nervi 17. Venae sub-8. Pseu-

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doneurum e nervo interlobari productum, margini approximatum, continuum. Pedunculus haud valde crassus. Spatha 7 1/2 poll. longa, 1 1/2 poll. lata, longe-acuminata, ad basin breviter-decurrens, spadice brevior. Spadix brevissimo stipite libero sustentus. — Mexico. Liebmann. — *v. spec. sicc. spontan. in Herb. Liebm.*

*Synon.* Anthur. umbrosum. Liebm. pro parte!

126. **longispathum**. *S.* Folium ignotum. Pedunculus 21 pollices et ultra longus, crassus. Spatha 13-14 pollices longa, inferne 1 1/2 poll. lata, lanceolata, apicem versus sensim angustata, longe-acuminata, basi antice longe-decurrens. Spadix baccis immaturis longe semi- exsertis onustus, stipite brevi sustentus. — Costa-rica. Oersted. — *v. s. spadicis partem plantae spontaneae in Herb. Oersted.*

## Grex 21. Cosmetophyton.

Caudex breviter-assurgens. Petiolus longus, sulcatus. Geniculum longulum, sulcatum. Lamina fol. cordiformis, chartacea. Nervi 15-17, interlobares, interdum cum deorsum vicinis 1-2, liberi, priores apertepatentes, posteriores divaricati, rectiusculi l. a basi certe ab apice arcuati in marginem excurrentes, reliqui gradatim deorsum directi, rectiusculi, apice tantum plus minusve abruptius sursum curvati, basi in

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costulae posticae rudimentum crassum praelonge connati. Venae costales 9-15, patentes, remotae, parum curvae, cum nervo interlobari subparallelae, infimae distantia reliquarum a petioli insertione remotae, summae in pseudoneurum continuum junctae. Venastrum intervenium solitare transiens. Pedunculus longus. Spatha late-lanceolata, colorata, recurva, basi amplexa. Spadix caudaeformis, crassus, breviusculus, substipitatus.

127. **violascens**. *S. (Oesterr. B. Wochenbl. 1854. p. 89.)* — Petioli livescentes l. virides. Lamina fol. ampla, elongato-ovato-cordiformis, 15-18 pollices longa, 10-12 pollices ad exortum primae venae costalis lata, tenuiter-pergamena, laete-viridis supra, infra subglauco-viridis, auriculis retrorsis, incurvo-subtriangulare-ovatis l. oblongulis, exitu rotundatis, sinum fundo acutum angustum l. latum parabolicum 4 pollices profundum aperientibus, apicem versus linea arcuata gradatim angustata et acuminata, apiculata. Nervi sub-17. Venae costales sub-10. Pseudoneurum tantum in summo apice laminae continuum, margini approximatum. Pedunculus petiolo dimidio fere brevior, longitudinaliter striato-acietatus, violacens. Spatha 6-7-pollicaris, $2^1/_2$-$2^3/_4$ poll. inferne lata, basi late-amplexa, apice sensim acuminata, recurva l. subvolute-recurva, ex flavo-viridi et purpureo pallidissima tincta, striis et

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marginibus saturatioribus. Spadix tereti-conoideus, saturate- l. atro-violaceus, breviter stipitatus. Filamenta excedentia, immo longiuscule-excedentia effoeta recurva. Baccae oblongulae potius parvae, lateritiae, vertice atropurpureae. Semen pallide-straminеum, compresse-oblongulum. Albumen albidum. Embryo dilatatus. — Venezuela. Appun. — *v. v. cult.*

*Synon.* ? Anth. costatum. C. Koch.

128. **concinnatum**. *S.* Lamina fol. ampla triangulare-cordiformis, 21-22 pollices longa. 18-20 pollices ad petioli insertionem lata, auriculis extensis, irregulariter subtriangulare oblongatis, incurvis, exitu vero rotundatis, sinu apertissimo, 8-9 pollices lato, vix 3 pollices profundo, remotis, apicem versus sensim, linea recta angustata, summoque apice lanceolato longe cuspidato-acuminata. Nervi 19. Venae costales sub-15. Pseudoneurum continuum e secunda vena costali exortum, margini approximatum. Pedunculus 23-24-pollicaris. Spatha 6-7 pollices longa, $1^1/_2$ pollices lata, sensim acuminata, patens. Spadix tereti-conoideus, longule-stipitatus. Filamenta excedentia effoeta apice recurva, sepali vertici incumbentia. — Costa-rica. Oersted. — *v. s. specim. spontan. in Herb. Oerstedii.*

129. **sororium**. *S.* Lamina fol. (juvenculae?) 9 pollices longa, $4^1/_2$ pollices ad petioli insertionem lata, oblongo-cordiformis, auricu-

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lis retrorsis, elongatis, oblongis, subincurvis, exitu oblique-rotundatis, sinu parabolico in fundo subacutato, $2^1/_2$ pollices profundo disjunctis, apicem versus sensim linea arcuata angustata. Nervi 11. Venae costales sub-8. Pseudoneurum e nervis interlobariis continuum, margini approximatum. Pedunculus tenuis 4-pollicaris. Spatha sesquipollicaris, longe-acuminata, horizontaliter-porrecta. Spadix $2^1/_2$-pollicaris, tenuis, vix l. haud stipitatus. — Peruvia. Poepp. — *v. s. specim. spontan. absque denominatione in Herb. Poepp.*

### Grex 22. **Pleonophlebium.**

Caudex ascendens l. scandens. Petiolus longus, sulcatus. Geniculum longulum sulcatum. Lamina fol. cordiformis, chartacea. Nervi 12-20, interlobares interdum cum deorsum vicinis liberi, recti, priores aperte-patentes, posteriores divaricati, ambo apice sursum curvae, conjunctim pseudoneurum continuum producentes, reliqui deorsum arcuati, inferne in costulae posticae rudimentum longe-connati. Venae costales 15-17, aperte-patentes, approximatae, inferne rectae, apice parum curvae, cum nervo interlobari parallelae infimae distantia reliquarum a petiolo remotae. Venastrum solitare intervenium transgrediens. Pedunculus proportione brevis. Spatha lanceolata, recurva l. reflexa, basi

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amplexa, viridis. Spadix caudaeformis, crassulus, spathae longitudine, stipitatus l. stipite carens.

130. **Humboldtianum.** Knth. *(En. III. p. 78. 1841.)* — Lamina fol. ad 16-18 pollices longa, 12-13 poll. ad transitum imi trientis lata, exacte cordiformis l. elongato-cordiformis, lobis l. auriculis introrsum curvis, suboblongis, exitu rotundatis, sinu parabolico, juxta petiolum rotundato 3-4 pollices profundo disjunctis, apicem versus linea arcuata gradatim angustata, acuminata l. cuspidato-acuminata. Nervi sub-17. Venae costales sub-15. Pseudoneurum e nervo interlobari l. vicino continuum, margini plus minusve approximatum. Pedunculus 8-9-pollicaris, tenuis. Spatha 8 pollices longa, inferne pollicem lata, longe-acuminata, basi amplexa l. decurrens, supra ex pallido glauco-flavens, infra flavo-virens. Spadix sub-10-pollicaris, brevissime l. longule-stipitatus, stipite viridi, ceterum ex roseo violaceus. Filamenta exserta. — Venezuela. Appun. — *v. v. cult. sicc. specim. a Humboldtio lectum, aliisque in Herb. G. Berol. asserv.* *Synon.* Anthur. polyrrhizom. C. Kch.

131. **indecorum.** *S. (Oesterr. B. Ztschr. 1858. p. 350.)* — Lamina fol. ad 16 pollices longa, 7-9 pollices, ad transitum primi trientis lata, elongato-cordiformis, auriculis retrorsis, oblongis, exitu rotundatis, sinu plus minusve parabolico, inferne rotundato, 3-4

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pollices profundo disjunctis, apicem versus linea sensim arcuata angustata, acuminata l. acuminato-cuspidata. Nervi 13-15. Venae sub-15. Pseudoneurum e nervo interlobari l. vicino continuum, margini plus minusve approximatum. Pedunculus 3-5-pollicaris, firmus. Spatha 2-5-pollicaris, 5-6 lineas lata, cuspidulata, patula. Spadix sessilis, spatha paulo brevior violascens. — Peruvia. Poeppig. — *v. s. specim. spontan. in Herb. Poepp. absque nomine.*

132. **breviscapum.** Poepp. *(N. Gen. et Sp. III. p. 84. 1845.)* — Lamina fol. adultae 17-18-21 pollices longa, in lobis 12-18 pollices lata, juvenculae cordato-deltoidea subisocela, adultae elongato-deltoideo-cordiformis, l. hastato-cordiformis, auriculis elongatis, oblongis, exitu rotundatis, divaricatis, sinu latissimo 4-5 pollices profundo sejunctis, ad medium arcuatim angustata ibique subcontracta et deinde linea fere recta sensim leviterque angustata, summo apice repentino arcuatim contracta, in acumen breve desinens. Nervi 15-19. Venae costales sub-15. Pseudoneurum e nervis lobariis ortum ducens, continuum, margini plus minusve approximatum. Pedunculus 9-10 pollicaris. Spatha remota, erecta oblonga, acuminata, viridis, 3 pollices longa. Spadix breviter-stipitatus, cylindricus, bipollicaris. — Peruvia. Poeppig. — *v. s. spec. spont. in Herb. Poepp.*

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133. **Macleani.** *S. (Oesterr. B. Zeitschr. 1858. p. 350.)* — Lamina fol. 20 pollices longa, inter secundam et tertiam partem inferiorem 12 poll. lata, heteromorphe-cordiformis, cum auriculis oblongo-semiovatis, incurvis, subincumbentibus, sinus ostium subcordiforme relinquentibus, ad duas tertias partes, ambitu ex rotundato-ovata, l. exacte fere rotundata, ibi valde contracta et supremum trientem angustatum oblongum, apice repentino contractum, obtusum, proferente. Nervi 17. Venae costales 21-22. Pseudoneurum inferne interruptum, apice tantum e supremis venis continuum, margini approximatum. — Pedunculus 8-9-pollicaris, crassus. Spatha lineari-lanceolata, 7 pollices longa, pollicem lata, apice cuspidato-acuminata, suberecta, basi antice decurrens. Spadix cum stipite longo $7^1/_2$-8-pollicaris tenuiter ex tereti conoideus, absque stipite 6-pollicaris. — Peruvia. Maclean. — *v. s. folii laminam et spadicem sejunctum a Macleanio lectos in Herb. Hook.*

***B.* Sagittato-hastata.**

### Grex 23. Cardiolonchium.

Caudex brevis. Petiolus longus, sulcatus. Geniculum longum, sulcatum. Lamina fol. cordato-sagittata, chartacea. Nervi 11-13, interlobares surrecti, rectiusculi, in marginem excurrentes, vicini arcuati, jux-

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ta marginem abrupte sursum curvi, excurrentes; reliqui deorsum curvi, apice abrupte anticum lobum versus in marginem procedentes, omnes, interlobariis, inferne in costulae posticae rudimentum elongatum connati. Venae costales 6-9, patentes, remotae, inferne rectae l. parum curvae, cum nervo interlobari parallelae, infimae a petiolo, quam reliquae inter se, distantiores. Venastrum intervenium solitarie transiens. Pedunculus longus. Spatha lineari-lanceolata, patens l. reflexa, basi amplexa, viridis. Spadix juliformis, tenuis, spatham vix l. paulo superans, stipite brevi fultus.

134. **sagittatum.** Knth. *(En. III. p. 79. 1841.)* — Petiolus acietato-striatus 18 pollices et ultra longus, ut vaginae, costa et venae novellae rubens. Lamina fol. cordato-sagittata, 17-18 pollices longa, in auriculis infra petioli insertionem 10 pollices lata, auriculis elongatis semiellipticis, exitu rotundatis, sinu amplo 5 pollices profundo, aperto l. lato-aperto distantibus, apicem versus elongato-triangulare angustata, sensim acutata l. subacuminata. Nervi 11-15. Venae costales sub-8, secunda l. tertia in pseudoneurum continuum producta. Pseudoneurum inferne interruptum, ubique a margine remotum. Pedunculus elongatus, subpedalis, juventute rubens. Spatha patentissima l. recurva, 3-4 pollices longa, supra l. utrinque glauco-virens. Spadix fusiforme-tere-

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tiusculus, glauco-virens, interdum rubens, sub-4-pollicaris, subsessilis l. stipite semipollicari sustentus. — Guiana gallica. Poiteau. — *v. v. et sicc. specim. spontan. a Poiteau lectum in Herb. Hort. Petropol.*

*Synon.* Anthur. rubrinervium. Knth.

— cordato-sagittatum. S.

Grex 24. **Belolonchium.**

Caudex scandens. Petiolus longus antice sulcatus. Geniculum longum sulcatum. Lamina fol. sagittata l. subhastato-sagittata, chartacea? Nervi 9-15, interlobares raro aperte-patentes, plerumque surrecti, raro arcuati, utplurimum rectiusculi, saepe cum proximis in pseudoneurum, margini approximatum procurrentes, reliqui retrorsi, juxta marginem abrupte sursum curvati, excurrentes, exceptis interlobariis et illis vicinis, in costulae posticae rudimentum connati. Venae costales 7-9, erecto- l. apertius-patentes, remotiusculae, rectiusculae, cum nervo interlobari subparallelae, infimae a petiolo magis distantes. Venastrum in intervenio solitare, saepe irregulare. Pedunculus elongatus. Spatha lanceolata, patens, l. recurva, basi amplexa, viridis. Spadix juliformis, longe-stipitatus, spatham superans.

135. **Oxybelium.** *S. (Oesterr. B. Wochenbl. 1857. p. 310.)* — Petiolus tennis, 12-15 pollices longus. Geniculum . . . . . Lamina fol.

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elongato-subsagittata, 8 pollices longa, ad exitum loborum l. auricularum 4 pollices lata, auriculis subparallelogrammis, sinum, inferne rotundatum, lateribus plus minusve approximatis, parallelis, (1 ½ pollices profundum versus) exitu rotundatis, extrorsum versus subangulatis, apicem versus gradatim, linea e lobis posticis rectiuscula angustata, summo apice abrupte cuspide lineari-lanceolata, longa aucta. Nervi sub-9. Venae costales 7-8. Pseudoneurum e nervo interlobari continuum, margini approximatum. Pedunculus gracilis, 8-pollicaris. Spatha patens, acuminata, sesquipollicaris. Spadix cum stipite 1 ¾-pollicaris, absque stipite tenui vix sesquipollicaris. — Nova-Granata. Purdie. — *v. s. specim. spontan. in Herb. Hooker.*

136. **nitidum.** Benth. *(Pl. Hartw. p. 255. 1839.)* — Petiolus crassus, bipedalis et ultra. Geniculum . . . . . Lamina fol. 14-15 pollices longa, ad exitum loborum posticorum 7 pollices lata, cordato-elongato-deltoidea, auriculis retrorsis oblique-semioblongis, sinum subparabolicum 3 pollices profundum versus exacte rotundatis, latere exteriore subangulatis, apicem versus, linea subincurva longe sensimque angustata, in cuspidem lanceolatam terminata. Nervi 15. Venae costales sub-8. Pseudoneurum e nervis interlobariis prolongatum, continuum, margini approximatum. Pedunculus petiolo paulo brevior, sub-14-pollicaris, crassulus. Spa-

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tha lineari-lanceolata, 4 pollices longa, 10 lineas lata, erectiuscula, apice longiuscule-apiculata. Spadix tereti-conoideus, 4-pollicaris, stipite 8-9 lineas longo, triente spathae accreto, sustentus. Ovarium conice prominens. — Columbia. Hartweg. — *v. s. specim. spontan. in Herb. Benth.*

137. **subsagittatum**. Knth. *(En. III. p. 79. 1841.)* — Petiolus 6-7 pollices longus, tenuiusculus. Geniculum longum. Lamina fol. 7-8 pollices longa, 3-5 pollices ad lobos posticos lata, subsagittata, auriculis semiellipticis rotundatis sinu angusto l. subaperto, 2 pollices fere profundo remotis, subextrorsis, apicem versus, ad tertiam imam partem leviter contracta, deinde linea recta subangustata, summo apice repentino valde- l. leviter-contracta, abrupte cuspide longa angusta terminata. Nervi 9-11. Venae costales sub-8. Pseudoneurum e nervis interlobariis productum, continuum, a margine remotum. Pedunculus petioli fere longitudine l. illo longior et multo longior saepe pedalis, tenuis. Spatha patens l. revoluto-reflexa, cuspidato-acuminata, bipollicaris, ad tripollicarem accrescens. Spadix cum stipite quam spatha longior, interdum vero plus duplo longior, subcylindroideus viridis, stipite semipollicari sustentus, fructifer cum stipite $2^1/_2$-pollicari 9-pollicaris. Baccae flavo-virentes, obovoideae minutae. Semen irregulariter ovoideum compressu-

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lum, stramineum, micropyle viridi. Embryo in albumine albente, quadrato-dilatatus, radicula atrovirente abrupte contracta brevissima, virens. — Venezuela. Appun. etc. — *v. v. cult. et spontan. sicc.*

138. **subhastatum**. *S. (Oesterr. B. Ztschr. 1858. p. 350.)* — Petiolus 7-8-pollicaris. Geniculum longum. Lamina fol. 9-10 pollices longa, ad lobos 5 pollices, supra lobos $2^3/_4$ pollices lata, auriculis extrorsis, subtriangularibus, exitu rotundatis, sinu apertissimo, vix pollicem profundo divaricatis, de contractura supralobari apicem versus subaequilata, apice subrepentino l. subsensim acutata, summo apice cuspide longa, angusta terminata. Nervi sub-9. Venae costales 7-8. Pseudoneurum e nervis interlobariis exortum continuum, margini approximatum. Pedunculus petiolo parum longior, sub-6-pollicaris, tenuis. Spatha lineari-lanceolata, subulate-cuspidulata, sesquipollicaris. Spadix cum stipite vix ultra sesquipollicaris, absque stipite $1^1/_4$-pollicaris. — Nova-Granata. Purdie. — *v. specim. spont. in Herb. Benth.*

### Grex 25. **Dorylonchium**.

Caudex abbreviatus. Petiolus longus sulcatus. Geniculum longum, sulcatum. Lamina fol. hastato-sagittata, subpergamena, nervi 9-13, interlobares patentes l. subaperte-patentes, leviter-arcuati utplurimum in pseudoneurum a margine remo-

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tum prolongati, vicini liberi, arcuati, in marginem sursum curvati, reliqui curvati longe-retrorsi in costulae posticae rudimentum longum connati. Venae costales sub-7, erecto- l. apertius-patentes, remotiusculae, rectiusculae, cum nervo interlobari haud parallelae; infimae a petiolo magis quam reliqui inter se remotae. Venastrum subsolitare per intervenium productum. Pedunculus valde-elongatus. Spatha lanceolata, acuminata, patentissima, basi decurrens, lutescens. Spadix juliformis, breviter-stipitatus, spatha brevior l. paulo longior.

139. **Ochranthum**. C. Kch. (*App. 1853. p. 16.*) — Petiolus longus, 9-18-24-pollicaris. Geniculum longulum, leviter-canaliculatum. Lamina fol. 14-18 pollices et ultra longa, ad lobos 12-15 pollices lata, supra lobos ad 5-8 pollices contracta, auriculis l. lobis posticis elongato-oblongis, subaequilatis, exitu rotundatis, sinu triangulari l. subparabolico, plus minusve aperto l. apertissimo, 2-3-4 pollices profundo disjunctis, apicem versus inferne sensim, superne subrepentino angustata, acumine cuspidato terminata. Nervi 11-13, interlobares et proxim liberi. Venae costales 7-9. Pseudoneurum e venis interlobariis, continuum, a margine late-remotum. Pedunculus 15-20-30-pollicaris, petiolum semper multo superans. Spatha 4-6-8 pollices longa, sesquipollicaris latitu-

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dine basilari, longe-acuminata, breviter-decurrens, viridis l. tandem flavo-virens. Spadix 4-7 pollices et ultra longus, elongato-tenuiter-fusiformis, aureus, stipite brevi suffultus. Baccae ovoideae albidae, vertice conice producto purpureo auctae. Semen cordatum compressulum, flavo-virens, albumine aquoso-virente. Embryo albidus, dilatatus, radicula viridi. — Costa-rica. Wendland. — *v. v. cult. et sicc. spontan. in Herb. Wendl.*

140. **lapathifolium.** *S. (Oest. B. Wchnbl. 1857. p. 309.)* — Petiolus 8 pollices longus. Geniculum . . . . . Lamina fol. 11-12-pollicaris, ad lobos $5^1/_2$-6 pollices lata, supra lobos ad $3^1/_2$-4 pollices contracta, auriculis l. lobis posticis elongato-oblongis, subaequilatis, exitu rotundatis, sinu basi rotundato, late et gradatim aperto, $2^1/_2$ pollices profundo secedentibus, apicem versus sensim, linea leviter-arcuata angustata, acuminata. Nervi 9, exceptis interlobariis omnes in costae posticae rudimentum connati. Venae costales sub-8. Pseudoneurum e venis costalibus inferioribus, continuum, margini subapproximatum. Pedunculus 11-pollicaris, petiolo ergo longior. Spatha $2^3/_4$-3 pollicaris et ultra, vix semipollicem lata, longule-decurrens, lata, patens. Spadix $1^3/_4$-2-pollicaris, juliformis, stipite brevissimo sustentus. — Isthmus Panamae. Fendler. — *v. fol. et spadicem spontan. in Herb. Hooker.*

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141. **Lechlerianum**. *S.* Petiolus crassiusculus. . . . . Geniculum longum. Lamina fol. subtus dense-punctulata, 12-13 pollices longa, ad lobos 8-9 pollices lata, supra lobos ad 4-pollicarem latitudinem subsensim constricta, auriculis l. lobis posticis elongato-oblongis, subaequilatis, exitu rotundatis, simu aperto l. apertissimo inferne obtuso, 3 pollices profundo sejunctis, apicem versus subsensim angustata, summo apice abrupte rotundato-obtusata, retusa, minutissime apiculata. Nervi 13, interlobares et proximi liberi, reliqui longe-connati. Venae costales sub-8. Pseudoneurum e nervis interlobariis valde-surrectis, continuum, late a margine remotum. Pedunculus longus . . . . . Spatha $2^1/_2$-$2^3/_4$-pollicaris, inferne pollicem lata, sublineari-lanceolata, apice obtusata, apiculata, ceterum torta l. explanata, patens, l. patentissima, basi longule-decurrens. Spadix 5-pollicaris, tenuiter-fusiformis, stipite longulo suffultus. Baccae ovoideae, vertice conice productae. Semen compresse-ovoideum l. compresse-ovale.

*C.* Sub- l. manifeste-divisa.

Grex 26. **Semaeophyllium.**

Assurgens. Petiolus longus, antice sulcatus. Geniculum sulcatum. Lamina pergamena, hastato-triloba, lobo medio sola costa, absque nervis, lateralibus utrinque nervis 5-9, inferne omnibus l. fere omnibus,

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(intimis nempe tunc exceptis), in costulae posticae rudimentum praelonge connatis, sursum arcuatis, interlobariis saepe venaeformibus, attenuatis, rectis, percursis. Venae costales plurimae, approximatae l. remotiusculae, patentes rectiusculae, parallelae, venastris 1-3 comitatae. Pseudoneurum e nervo medio loborum exortum, nervos venasque superiores omnes connectens, margini approximatum. Pedunculus petioli longitudine l. illo brevior. Spatha lanceolata, longa, reflexa, basi amplexa. Spadix cylindroideus, myosuroideus, stipitatus.

142. **subtrilobum.** *S. (Oesterr. B. Wchnbl. 1857. p. 198.)* — Petiolus . . . . . Geniculum . . . . . Lamina fol. 16-17 pollices longa, in mediis lobis 11 pollices, supra lobos $5^1/_2$ pollices lata, lobis posticis elongato-semiellipticis, $5^1/_2$ pollices longis, 4 pollices latis, exitu rotundatis, sinu apertissimo basi rotundato, 3 pollices profundo separatis, lobo medio l. antico oblongo, 10 pollices longo, latitudine ad 5 pollices minuendo, apice repentino rotundate contracto et abrupte breviter-cuspidato. Nervi loborum utrinque 5, leviter-arcuati, juxta marginem abrupte sursum curvati; interlobares crassuli, rectiusculi, apertissime patentes. Venae costales sub-9, aperte-patentes, parum curvulae. — Caracas. Appun. — *v. f. laminam exsiccatam a Celeberr. Reichenbach fil. mecum communicatam.*

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143. **panduraeforme.** *S.* — Petiolus 24 poll. long. Geniculum longulum. Lamina fol. 15 pollices longa, in lobis mediis 9 pollices, supra lobos 5 pollices lata, lobis posticis semiovali-ellipticis, $4^1/_4$ pollices longis, 4 pollices latis, exitu rotundatis, sinu parabolico l. plus minusve aperto, basi obtusato, tres pollices profundo sejunctis; lobo medio l. antico oblongo medio dilatato, 10 pollices longo, latitudine mediana $5^1/_2$-pollicari, apicem versus sensim angustato, acutato, cuspide brevi angustata terminato. Nervi loborum utrinque 5-7, levissime arcuati interlobares tenues, recti, apertissime patentes. Venae costales sub-18, aperte-patentes, fere rectae. Pseudoneurum margini approximatum. Pedunculus 6-pollicaris. Spatha lanceolata, 4 poll. longa, pollicem lata, acuminata. Spadix vix tripollicaris, substipitatus. — Costa-rica. Wendland. — *v. s. exemplaria spontan. in Herb. Wendl.*

*Synon.* Anth. panduratum. S. (Oesterr. B. Ztschr. 1858. p. 182.)

*Observ.* Spatha viridis. Spadix luteus. Wendl.

144. **signatum** Mathieu. *(in Catalogis).* — Caudex strictiuscule assurgens, tenuis, internodiis pollicaribus. Petioli fere teretiusculi, stricti longi, (18-pollicares). Geniculum breve l. longulum. Lamina fol. 15-18 pollices et ultra longa in lobis posticis oblongo-ellipticis, 7-8 pollices longis, $3^1/_2$-4 polli-

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ces latis, subsursum curvatis, exitu rotundatis, sinu apertissimo l. fere in imum truncatum transgrediente separatis, 12-15-18 pollices lata, lobo medio l. antico oblongo, 9-11 pollices longo, inferne 4 pollices lato, apicem versus parumper latitudine augente, summo apice repentino contracto, cuspide lanceolata longa abrupte exserto terminato. Nervi loborum utrinque 5, arcuati, omnes longe-connati, interlobares ad venas tenuissimas reducti, recti, aperte-patentes. Venae costales sub-9, patentes, rectiusculae. Venastra in intervenio sub-3. Pseudoneurum margini valde-approximatum. Pedunculus 10-14-pollicaris, petiolo brevior l. longior, strictus. Spatha flavo-virens, 5 pollicaris, pollicem lata, acuminata, spadice brevior. Spadix juliformis, tenuis, viridis, stipite brevi suffultus. Ovarii loculamenta interdum biovulata. — Patria? — *v. v. cult.*

145. **Sagittaria.** Linden. *(Catal.)* — Caudex . . . . . Petiolus longus. Geniculum longulum. Lamina fol. 8-9 pollices longa, in lobis posticis obovato-oblongis, antice et lateraliter subtruncatis, angulo obtuso, postice rotundatis, $3^1/_2$ pollices longis, $3^1/_2$ pollices latis, porrectis, sinu apertissimo in repando-truncatum vergente divergentibus, sub-10 pollices lata, lobo medio l. antico oblongo-obovato, 5-$5^1/_2$ pollices longo, inferne $3^1/_2$ pollices lato, apicem versus latitudine augente, summo apice repentino contracto,

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cuspide lanceolata longa abrupte exserta terminato. Nervi loborum utrinque 7, leviter arcuati, omnes longe connati, interlobares crassuli, recti, patentes. Venae costales sub-9, patentes, rectiusculae. Venastra in intervenio 1-3. Pseudoneurum margini valde approximatum, e nervo ante-interlobari exortum. — Patria? — *v. fol. a Lindenio missum.*

### Grex 27. Schizoplacium.

Assurgens. Petiolus longus, teretiusculus, semiteres l. sulcatus. Geniculum teretiusculum l. sulcatum. Lamina fol. pergamena? pedato-partita partitionibus l. segmentis integerrimis l. iterum partitis l. sectis, uninerviis l. costulatis, nervis nempe in costulas interdum ramosas mutatis. Venae costales l. costulares plurimae, remotiusculae, venastris comitatae. Pseudoneurum l. continuum segmenta ambiens l. ad sinus segmentorum interruptum. Pedunculus longus. Spatha lanceolata recurva, basi amplexa. Spadix fusiformis, stipitatus.

146. **Ghiesbreghtii.** Linden. *(Catal.)* — Lamina fol. sub-5-secta ambitu rotunda, segmento medio elliptico, profunde separato, apice repentino angustato, cuspidato, vicinis ovatis acuminatis cum infimis et extimis triangulariter prosilientibus, quoque cuspidatis, confluentibus. Costa media $3^1/_2$ poll. longa,

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costula media 3-pollicaris extima curvula $2^1/_2$ pollices longa, saepe altera costula comitata, valde curva in marginem excurrente. Pseudoneurum ubique a margine distans, segmenti intermedii inferne deliquescens. — Patria? — *v. s. fol. a Lindenio mecum communicatum.*

147. **pedato-radiatum** *S. (Bonpl. 1859. p. 337.)* — Petiolus teres, vix sulcatus. Geniculum teretiusculum longulum, vix sulcatum. Lamina fol. sub-13-partita, ambitu rotundata, laete-viridis, lucida, partitionibus omnibus acuminato-lanceolatis, anticis rectis, posticis falcatim procurvis, omnibus inferne aequilate cohaerentibus. Costa media 9-pollicaris. Costula partitionum gradatim breviores, intimae 2 utrinque ad basin liberae, reliquae in costularum phalangem crassipedum connatae. Pseudoneurum a margine remotiusculum, plerumque inferne deliquescens. — Mexico. (S.) — *v. v. cult.*

148. **pedatum**. Knth. *(En. III. p. 79. 1841.)* — Petiolus superne canaliculatus. Geniculum breve. Lamina fol. pedato-11-15-secta l. medio partita, ambitu late-triangularis, segmento medio profundius separato, ceteris triente longiore, sub-11 pollices longo, medio latitudine aucto, apice acutato, proximis contigue-exsertis, multo brevioribus lanceolato-oblongis, exterioribus gradatim minus profunde separatis, brevioribus obtusioribusque. Costa media 11-pollicaris. Costulae

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segmentorum vicinorum $6^1/_2$ pollices longae, reliquae gradatim breviores, omnes in costularum phalangem crassipedum elongatum connatae. Pseudoneurum a margine parum remotum, plerumque basin versus segmentorum deliquescens. Pedunculus longus, petiolum superans. Spatha oblonga, obtusula? Spadix cylindraceus, violaceus, spatham aequans, stipitatus. — Andes Popayanenses. Humboldt.

149. **palmatum** Kuth. *(En. III. p. 80. 1841.)* — Petiolus praelongus; antice sulcatus. Geniculum breve. Lamina fol. ambitu subrotundata, 9-11-profunde-partita, partitionibus lanceolatis l. oblongo-lanceolatis, a medio basin versus sensim angustatis, apice cuspidato-acuminatis, gradatim ad extera minus profunde partitis, omnibus venis inferioribus obsoletioribus in marginem excurrentibus, altius exsertis in pseudoneurum margini approximatum confluentibus instructis. Costulae omnes, exceptis intimis duabus utrinque, in costularum phalangem crassipedum connatae. Pedunculus petiolo brevior. Spatha acuminato-lanceolato-linearis. Spadix longe-myosuroideus, brevissime-stipitatus, spatha parum longior. — Dominica Imray. — *v. laminam et spadicis pedunculo suffultam partem in Herb. Hooker.*

150. **pseudopodophyllum** *S. (Bnpl. 1859. p. 338.)* — Petiolus elongatus, sulcato-canaliculatus. Geniculum longum, manifeste-sulcatum. La-

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mina fol. ambitu rotundata, 9-11- et ultra partita, partitionibus inaequalibus, intermedia pinnatisecta, segmentis inaequalibus. mediis longioribus, oblanceolatis, acutiusculis, reliquis brevibus, obtusis; partitionibus intermediae utrinque vicinis oblongo-lanceolatis, latere exteriore l. utrinque infra medium segmento lineari-oblongo obtuso auctis; extimis lanceolatis brevioribus, obtusis. Costa ramos in segmenta emittens, crassos. Costulae interiorum partitionum hinc inde medio ramos crassulos exserentes; exteriorum in phalangem crassipedem. longulam connatae. Pseudoneurum partitionum et segmentorum saepe duplex, interius semper a margine remotum, inferne deliquescens. Pedunculus praelongus. Spatha late-lanceolata, recurva. Spadix conoideus, crassulus, breviter-stipitatus, spatha duplo longior, ceterum plerumque viridis rarius leviter livescens. — Patria? — *v. v. cult.*

*Synon.* Anthur. podophyllum Hortor.

151. **podophyllum** Kuth. *(En. III. p. 80. 1841.)* — Petiolus elongatus, teretiusculus. Geniculum longum, vix sulcatum. Lamina fol. ambitu ovata, 17-21- l. ultra-partita, partitionibus fere omnibus, extimis lanceolato-linearibus exceptis, pinnatisectis, mediis etiam subbipinnatisectis segmentis longioribus omnibus longissime anguste acuminatis mancis tantum rotundate-obtusatis. Costa et costulae mediae ramis auctae, exte-

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riores in phalangem crassipedem longulam connatae. Pseudoneurum partitionum et segmentorum saepe duplex, interius semper a margine remotum, inferne deliquescens. Pedunculus praelongus. Spatha acuminato-lanceolata, recurva. Spadix conoideus, brevis l. elongatus, viridis, stipite plus minusve longiore suffultus, spatha longior. — Mexico. Schiede. — *v. v. cult. et spec. spont. Schidei, Liebmannii etc.*

*Syn.* Pothos laciniatus Mart. et Galeotti. Anthur. membranuliferum Schott ex Ohlendorff.

152. **polytomum**. *S. (Bnpl. 1859. p. 337.)* — Petiolus parum elongatus, semiteres, marginibus acietatis, medio sulcatus. Geniculum breve, semiteres. Lamina fol. glaucescentis, ambitu rotundata, partitionibus omnibus fere bipinnatisectis, sub-15, segmentis anguste lanceolato-linearibus, acuminatis. Costa et costulae mediae ramis auctae, exteriores in phalangem crassipedem contracte-abbreviatam connatae. Pseudoneurum margini subapproximatum, inferne deliquescens. — Mexico. (S.) — *v. v. cult.*

*D.* Digitata.

## Grex 28. Dactylophyllium.

Scandens. Petiolus longus, l. longulus, teres l. teretiusculus, levissime sulcatus. Geniculum crassum, longulum, subsulca-

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tum l. teres. Lamina fol. herbacea, pergamena l. subcoriacea, digitati-secta, segmentis articulato-ansatis, integerrimis, repandis l. lobato-laciniatis, uninerviis l. costatis, interdum ramosis. Venae irregulariter-remotae, venastris minus distinctis comitatae. Pseudoneurum in apice segmentorum saepe duplex, inferne deliquescens, internum a margine remotum. Pedunculus longus l. brevis. Spatha elongata l. brevis, basi amplexa. Spadix longus l. brevis, crassus, stipitatus l. sessilis.

* Longepedunculata.

153. **Warscewiczii.** Alex. Braun. (*ex Mathieu in litteris*). — Petiolus 27-30-pollicaris, levissime-sulcatus. Geniculum breve, sulcatum. Lamina fol. 7-9- l. ultra-secta, segmenta omnia sessilia, intermedium longe-, basin versus cuneatum, proportione angustatum, ad latera bis segmentulatum, segmentulis rotundatis, apice valde-dilatatum, (6-7 pollices latum), repentino contractum cuspide angusta longula terminatum; reliqua plus minusve conformia, exteriora 2 in phalangem connata, interiora libera. Pseudoneurum in apice segmenti duplex, interius latissime a margine remotum. Pedunculus 14-16-pollicaris. Spatha lanceolata, acuminata purpurascens, 6-7-pollicaris. Spadix 10-pollices longus, subfusiforme-cylindroideus, sordide-purpurascens. — Patria? — *v. v. cult.*

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154. **Wendlandii** *S. (Oesterr. B. Zeitschr. 1858. p. 182.)* — Petiolus triginta-pollicaris apice sulcatus. Geniculum breve, teres. Lamina fol. 13-secta, segmenta omnia longe-ansata, longe sensimque basin versus cuneata, exteriora 2-3 tantum in phalangem crassipedem brevem, connata, reliqua libera; intermedium remote pinnatisectum apice abrupte contractum, cuspidatum, segmentulis utrinque binis remotis ut plurimum apice rotundatis, rarissime lateraliter acuminulatis auctum; cetera l. uno l. utroque latere segmentulis binis semper obtusis, i. e. rotundato-obtusis instructis, apice cuspidato-acuminatis extima tantum costulis connatis, l. repando-elongato-lanceolatis, longe acuminatis l., elongatis acuminatisque. Pedunculus 13-14-pollicaris. Spatha lanceolato-linearis, acuminatissima, pedalis, sordide ex viridi violascens. Spadix 16-17-pollicaris, caudaeformis. — Costa-rica. Wendland. — *v. s. specim. spontan. in Herb. Wendl.*

155. **Holtonianum.** *S. (Oestr. B. Zeitschr. 1858. p. 350.)* — Petiolus . . . . . Geniculum breve, teres. Lamina fol. 5-secta segmenta omnia vix ansata, extima longe-, basin versus angustissime repentino-angutata, reliqua ad imum usque diachymate abrupte contracto induta, intermedium remote pinnatisectum, segmentulis utrinque 4, infimis et supremis obtusis mediis acuminatis, apice . . . . . lateralia intermedio subconformia,

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latere exteriore segmentulis tantum binis instructis; extima repanda. Pedunculus . . . . . Spatha lanceolato-linearis, acuminatissima, 19-20-pollicaris. Spadix 21-22 pollices longus caudaeformis. — Nova-Granata. Holton. — *v. s. specim. in Herb. Hook.*

156. **clavigerum.** Poepp. *(Nov. Gen. et Sp. III. p. 84. 1845.)* — Petiolus longus . . . . . Geniculum . . . . . Lamina fol. 9-secta, segmenta omnia sessilia basi longe-cuneata, libera, nec exteriora in phalangem connata; intermedium 24 pollices longum remote pinnatisectum, ut fere omnia apice subabrupte acutatum, segmentulis 4-5 utrinque remotis, utplurimum apice rotundatis, rarissime subacutatis auctum; segmenta reliqua conformia. Pedunculus petiolo brevior. Spatha approximata. Spadix spatha duplo longior. — Peruvia. Poepp. — *v. fol. spont. in Herb. Poepp.*

157. **panduratum.** Martius. *(in schedula. S. in Oest. B. Wchnbl. p. 273. 1855.)* — Petiolus praelongus . . . . . Geniculum . . . . . Lamina fol. sub-7-secta, segmenta 14-17-pollicaria, sessilia, inferne anguste-cuneata, apice acuminatissima, utrinque bis lobato-repanda, lobulis subhorizontaliter prolatis, rotundato-obtusatis, brevibus, omnia libera. Pedunculus longus. Spatha lanceolato-linearis, acuminata, sub-9-pollicaris. Spadix subsessilis, pedalis et ultra. — Brasilia, Rio-

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negro. Martius. — *v. s. specim. spont. in Herb. Monacense.*

158. **repandum**. *S. (Oest. B. Wchnbl. 1857. p. 217.)* — Petiolus 11-18 pollices longus. Geniculum breve. Lamina fol. 11-secta, segmenta angusta sessilia, exceptis utrinque tribus inferne in phalangem connatis, libera, basin versus longissime angustissimeque cuneata, longe cuspidato-acuminata, medio irregulariter et leviter, uno latere l. utrinque, semel l. bis repanda; extima latere exteriore ad basin dilatata, subrepentino ibi contracta. Pedunculus 12-14-pollicaris. Spatha lanceolato-linearis, acuminatissima, 9-10 pollices longa. Spadix tenuis. — Nova-Granata, St. Martha. Purdie. — *v. s. specim. spont. in Herb. Hooker.*

159. **Martini**. *S. (Oest. B. Wchnbl. 1857. p. 325.)* — Petiolus longus. Geniculum sulcatum. Lamina fol. 7-secta, segmenta omnia ansata, exteriora 2 in phalangem connata, reliqua libera, basi cuneata, apice rotundato l. repentino angustato abrupte lineari-cuspidata, ceterum obovato-oblonga, subrepandula. Pedunculus 16-17-pollicaris. Spatha lanceolato-linearis basi antice subdecurrens, 8 pollices longa. Spadix 10-12 pollices longus, haud crassus. — Guiana gallica. Martin. — *v. s. specim. spontan. in Herb. Hook.*

160. **sinuatum**. Benth. *(in schedula.) S. (Oesterr. B. Wchnbl. 1857. p. 318.)* — Petiolus 15-pollicaris et ultra. Geniculum breve, sub-

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sulcatum. Lamina fol. 5-9-secta, segmenta 6-8-pollicaria, lanceolato-oblonga, subsessilia, exceptis extimis latere exteriore inferne auriculato-dilatatis, ibique abrupte contractis, basin versus cuneata, lateribus subsinuato-repandis, apice cuspidato-acuminata. Pedunculus sub-pedalis. Spatha lanceolato-linearis, acuminata, 8-9 pollices longa. Spadix 7-9-pollicaris, tenuiusculus, sessilis. — Brasilia, Pará. Spruce. — *v. s. specim. spontan. in Herb. Benth.*

161. **Andersonii.** *S. (Oesterr. B. Wchnbl. 1857. p. 325.)* — Petiolus . . . . . Geniculum longulum. Lamina fol. 9-secta, segmenta omnia sessilia, exceptis exterioribus, inferne saepe pro parte connatis, apicem versus lanceolatis, obovato-oblonga, basi arcte contigua, cuneata, marginibus late incumbentia, apice linea arcuata subrepentino angustata, abrupte longe- et anguste cuspidata. Pseudoneurum in apice segmenti a margine remotum. Pedunculus 8-pollicaris. Spatha tres pollices longa. Spadix . . . . . — St. Lucia. Anderson. — *v. fol. et pedunc. in Herb. Forsythii, nunc Benthamii.*

162. **Hoffmannseggii.** *S. (Oest. B. Wchnbl. 1857. p. 325.)* — Petiolus ultrapedalis. Geniculum . . . . . Lamina fol. 5-secta, segmentis majoribus, 9-11 pollices longis, medio latitudine tripollicaribus, oblongis sessilibus, inferne cuneatis, apice abruptius l. subsensim acuminatis, margine subundulatis, pseu-

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doneuro a margine valde-remoto. Pedunculus 10-pollicaris et ultra. Spatha ultra 5 pollices longa, lanceolato-linearis. Spadix tenuis, substipitatus. — Brasilia. (Willdenow. Herb. Nr. 3106, fol. 1 et 2.) — *v. fragmenta in Willd. Herb.*

*Observ.* An, pedunculus spadicifer huc pertinet?

163. **triphyllum.** Brongn. *(Herb. Paris.)* Petiolus . . . . . Geniculum . . . . . Lamina fol. 3-secta, segmentis haud ansatis, basi latere interiore anguste-confluentibus; medio late-oblongo-lanceolato, inferne cuneato, apice cuspidato-acuminato, venis remotis, aperte-patentibus; lateralibus inaequilateris, obliquatis, venis lateris interioris irregulariter-patentibus, exterioris tribus exortu 4-tam l. 5-tam partem inferiorem costulae occupantibus, margini subparallele procurrentibus, in ipso margine supremo excurrentibus. Pedunculus longus. Spatha . . . . . parum antice decurrens. Spadix sub-5-pollicaris, pedunculo brevior. — Bolivia d'Orbigny. — *v. delin. speciminis spont. a d'Orbigny collect. in Herb. Mus. Paris.*

164. **grossum.** *S. (Oest. B. Ztschr. 1859. p. 101.)* — Petiolus sesquipedalis. Geniculum breve. Lamina fol. 3-5-secta, segmentis subansatis, basi liberis, dense parallele-venosis, medium 11 pollices longum, superne 3 pollices latum, obverse oblongum, basin versus ex longo subsensim angustatum, apice re-

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pentino contractum longe- et anguste-cuspidatum; vicina apposita magis oblonga cum extimis basi oblique inaequilatis quoque longe-subabrupte- ac anguste-cuspidata. Pseudoneurum fere continuum a margine remotum. Pedunculus 8-pollicaris, firmus. Spatha lineari-lanceolata, acuminata, sub-5-pollicaris. Spadix sub-5-pollicaris, teretiusculus, subsessilis. — Brasilia, Ilheos. Riedel. — *v. s. specim. spontan. in Herb. Horti Petropolit.*

165. **Kunthii.** Poepp. *(N. Gen. et Sp. III. p. 84. 1845.)* — Petiolus 15 pollices et ultra longus. Geniculum longulum. Lamina fol. 5-13-secta, segmentis omnibus longe-tenuiterque-ansatis, elongato lanceolatis, longe-subabrupteque cuspidatis, ansam versus sensim cuneatis, mediis ultrapedalibus, latitudine ultra bipollicaribus, extimis 7 pollices longis pollicem latis. Venae approximatae, aperte-patentes, plurimae. Pseudoneurum fere continuum, margini plus minusve approximatum. Pedunculus sub-15-pollicaris. Spatha sub-6 pollices longa, angusta. Spadix vix stipitatus, tenuis, sesquipollicaris. — Peruvia. Poeppig, Lechler. — *v. s. specim. spontan. in Herb. Poepp. et Lechlerii et s. cult.*

*Synon.* Anthur. elatum. C. Kch. — fide speciminis ex Horto bot. Berol. mecum communicatum!

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*Observ.* Variat latitudo et numerus segmentorum! Variat longitudo ansae! in juvenculis nempe brevis!

166. **eminens.** *S. (Oest. B. Wchnbl. 1855. p. 273.)* — Caudex liber, arborescens, 4-6-pedalis. Folia terminalia in umbraculum disposita. Petioli tripedales. Foliola 15-20, lanceolato-oblonga, sesqui- l. bipedalia, basi longecuneata, petiolulo longo sustenta, apice repentino angustata, lanceolato-cuspidulata. Pedunculus 8-pollicaris. Spatha rubra, spadice $1^1/_2$ ped. longo brevior. (Poeppig in Herbario.) — Peruvia. Poepp. — *vidi fol. sicc. spont. in Herb. Poepp.*

*Observ.* An potius brevipedunculatis adnumerandum?

** Brevipedunculata.

167. **pentaphyllum.** Knth. *(En. III. p. 81. 1841.)* Petiolus 7-8-pollicaris, sulcatus. Geniculum breve, sulcatum. Lamina fol. 5-7-secta, segmentis omnibus breviter tenuiterque subansatis, exceptis extimis latere exteriore inferne oblique inaequilatis, abrupte basin versus saepe rotundatis, obverse-lanceolatis l. obverse-oblongo-lanceolatis, inferne ex longo sensim cuneatis, apice subrepentino angustato longe-angusteque cuspidatis. Pseudoneurum a margine remotum. Pedunculus longitudine spadicis. Spatha ovato-lanceolata vix sesquipollicaris. Spadix digitiformis, longitudine spathae. — Patria? — *v.*

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*exemplaria ex Anglia missa, culta, sicut et exemplar Herb. Knth. ex Horto b. Berol.*

168. **Aubletii.** Knth. *(En. III. p. 81. 1841.)* — Petiolus 11-14 pollices longus, subsulcatus. Geniculum breve, leviter-sulcatum. Lamina fol. 5-secta, segmentis omnibus breviter-ansatis, subaequalibus, oblongis, obovato-oblongis l. elliptico-late-oblongis, inferne repentino-contractis, imo cuneato, apice subabrupte- l. leviter-abrupte arcuatim angustatis, cuspide lanceolata longula, l. cuspide angusta praelonga auctis. Pseudoneurum remotum l. valde a margine remotum. Pedunculus tripollicaris. Spatha lanceolata, apiculata, $1^3/_4$ pollices longa, reflexa. Spadix sessilis, juliformis, tripollicaris. — Guiana gallica, etc. Poiteau. — *v. s. specim. spontan. in Herb. Hort. Petropol., Candollei et Martii.*

169. **aemulum.** *S. (Bonpl. 1859. p. 165.)* — Petiolus 9-10-pollicaris. Geniculum . . . . . Lamina fol. 7-secta, segmentis omnibus liberis, vix ansatis, 5-6 pollices longis, medio sesquipollicem latis, late-lanceolatis, basin versus sensim cuneatis, apicem versus subsensim cuspidate-acuminatis. Pseudoneurum a margine subremotum. Pedunculus sesqui- l. bipollicaris. Spatha . . . . . Spadix fructifer $2^1/_4$-pollicaris. — Mexico. Liebmann. — *v. fol. et spadicem stirpis spontan. in Herb. Liebm. nomine Anth. undati. S.*

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170. **bombacifolium.** *S.* Petiolus . . . . . antice sulcatus. Geniculum breve, sulcatum. Lamina fol. sub-11-secta, segmentis omnibus sessilibus, exceptis utrinque binis extimis in phalangem connatis, liberis, oblongo-ellipticis, 8-11 pollices longis, 2-2¾ pollices latis, basin versus anguste-cuneatis, apice subrepentino angustatis, longe-cuspidatis. Pseudoneurum a margine late-remotum duplex. Pedunculus sesqui- l. bipollicaris. Spatha lanceolata 4-pollicaris. Spadix breviter-stipitatus, cylindroideus sub-tripollicaris. — Costa-rica. C. Hoffmann. — *v. specim. spontan. in Herb. G. Berol.*

171. **digitatum.** Knth. *(En. III. p. 80. 1841.)* — Petiolus tandem 26-28 pollices longus, teres. Geniculum breve subsulcatum. Lamina fol. adultae 9-13-secta, segmentis omnibus liberis, longe- et longissime-ansatis, obverse-oblongis, 10-18 pollices longis, 3½-4 pollices superne latis, ansam versus ex longinquo sensim cuneatis, apice repentino angustatis, breviter-cuspidatis. Pseudoneurum margini potius approximatum. Pedunculus subtripollicaris, crassus. Spatha 4-5-pollicaris, ovato-oblonga, cuspidulata, viridis. Spadix sessilis, crasse-digitiformis, 3½-4 pollices longus, violaceus, fructifer ad 7-8-pollicarem longitudinem auctus. Baccae pyriformes, purpureae. Semen oblongo-ovoideum, compressum, micropylen versus

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valde attenuatum, pallide-ferrugineum. — Caracas. Jacquin. — *v. v. cult.*

172. **Karwinskyi.** *S.* Petiolus grossus, teres. Geniculum breve, subsulcatum. Lamina fol. 5-secta, (sed forte et 7-secta), segmentis omnibus liberis, longe- l. longule-ansatis, late obovato-oblongis, 12-15 pollices longis, 5-6 pollices superne latis, ansam versus longe-, linea subintrorsum arcuata cuneatis, apice abrupte- fere rotundate-contracta, breviter lanceolato-cuspidata. Pseudoneurum a margine valde-remotum, subduplex . . . . . Mexico, Colipa. Karwinsky. —

173. **Ottonianum.** Knth. *(En. III. p. 82. 1841.)* — Petiolus 10-12-pollicaris, teretiusculus. Geniculum breve. Lamina fol. 9-secta, segmentis omnibus liberis, longe-ansatis, lanceolato-linearibus, angustis, 12-14 pollices longis, 6-8 lineas latis, utrinque longe angustatis, acuminatis. Pseudoneurum margini approximatum. Pedunculus sub-bipollicaris, spatha multo brevior. Spatha lanceolata, sub-4-pollicaris, acuminata, reflexa, viridis. Spadix sessilis, digitiformis, 3-4-pollicaris, violaceus. — Brasilia. S. — *v. v. cult. et s. spontan.*

174. **variabile.** Knth. *(En. III. p. 80. 1841.)* — Petiolus 10-18-pollicaris, teretiusculus. Geniculum breve, sulcatum. Lamina fol. 7-9-secta, segmentis omnibus liberis, longe-ansatis, lanceolatis, obverse-lanceolatis, lanceolato-oblongis, oblongis l. subobverse-

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oblongis, 6-14 pollices longis, $^3/_4$-$2^1/_4$ poll. latis, ansam versus ex longinquo sensim cuneatis l. breviter linea arcuata cuneatis, apicem versus sensim- l. abruptius cuspidato-acuminatis. Pseudoneurum a margine subremotum l. remotum. Pedunculus $2^1/_2$-pollicaris, spatha brevior. Spatha acuminato-lanceolata, 3-4-pollicaris, reflexa, viridis. Spadix sessilis, digitiformis, $3^1/_2$-$4^1/_2$-pollicaris, violaceus. — Brasilia. (S.) — *v. v. cult. et spont.*

*Synon.* Anthur. indecorum *S.* anno 1832 in hortos divulgatum!

175. **undulatum**. Hook. *(in schedula.)* — Petiolus 9-10-pollicaris, apice sulcatus. Geniculum breve, sulcatum. Lamina fol. 7-9-secta, segmentis omnibus liberis, longe-, immo longissime-ansatis, spathulato-lanceolatis, 7-8 pollices longis, $^5/_4$-$^7/_4$ pollic. superne latis, margine crispato-undulatis, ansam versus ex longinquo sensim sensimque in angustissimum cuneatis, apice repentino contractis, cuspide lanceolata pollicari, quoque subundulata, terminatis. — Patria? — *v. fol. sicc. ex Horto Kewensi missa.*

176. **Sonderianum**. *S. (Bonpl. 1858. p. 372.)* — Petiolus 13 pollices longus, sulcatus. Geniculum breve, sulcatum. Lamina fol. 7-secta, segmentis omnibus liberis, haud ansatis, sessilibus, obverse-oblongis, $7^1/_2$-$9^1/_2$ poll. longis, 2-$2^1/_2$ pollices superne latis, basin versus longe cuneatis apice repentius con-

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strictis, longe-angusteque cuspidatis. Pseudoneurum potius margini approximatum. Pedunculus bipollicaris. Spatha lanceolata, pedunculi longitudine, spadice brevior. Spadix sessilis, digitiformis, tenuis, $2^1/_2$-pollicaris. — Brasilia. Sonder. — *v. s. specim. spontan. in Herb. Sonder.*

177. **pachiracfolium.** *S. (Oesterr. Bot. Wochenbl. 1855. p. 273.)* — Petiolus sub- 10-pollicaris, teretiusculus. Geniculum breve, sulcatum. Lamina fol. 9-secta, segmentis omnibus liberis, subansatis, elongato-obovatis, 5-6 pollices longis, $1^1/_2$-$2^3/_4$ poll. superne latis, basin versus ex longinquo sensim cuneatis, apice abruptiuscule-angustatis, cuspide brevi, triangulari terminatis. Pseudoneurum a margine remotum. Pedunculus $1^1/_2$-2-pollicaris. Spatha elliptico-lanceolata l. elliptica, breviter-apiculata. Spadix sessilis, digitiformis, crassulus, sub-4-pollicaris. — Brasilia, Ilheos. Princ. Videns. — *v. s. fol. et spadicem stirp. spontan. in Herbar. Monacens.*

178. **undatum.** *S. (Melet. I. p. 22. 1832.)* — Petiolus 9-14 pollices longus, apice sulcatus. Geniculum breve, sulcatum. Lamina fol. 7-9-secta, segmentis omnibus liberis, longe-immo praelonge-ansatis, 8-10 pollices longis, 2-3 pollices medio l. paulo supra medium latis, oblongo-l. ovali-ellipticis, basin versus repentino angustatis et tunc cuneatim in ansam breviter prolongatis, apice

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abrupte contractis, rotundatis, cuspide anguste-lanceolata longa, terminatis, ceterum supra undatis. Pseudoneurum a margine late- l. valde-remotum. Pedunculus 1-2-pollicaris. Spatha lanceolato-ovata, plus minusve acuminata, extus magis viridula, intus purpurascens. Spadix digitiformis, sessilis, spatha longior, ex glauco pallide-violascens. — Brasilia, RioJan. (S.) — *v. v. spont. et cult.*

*Synon.* Anthur. caudatum. Hort. et Knth.

179. **similaciforme.** C. Koch. *(Append. 1855. p. 8.)* — Folia heteromorpha, primordialia cordato-ovata, acuminata reliqua tri- (et forte penta-) phylla foliolis subsessilibus. (C. K. l. c.) — Petiolus brevis ad 3 pollices et ultra longus, apice subsulcatus. Geniculum longulum, paulo incrassatum. Lamina fol. ramei ambitu ovata, inferne cordata, lobis saepe incumbentibus, apice repentino angustata, cuspidata. Pseudoneurum a margine late-remotum. Segmenta in bi-trisectis, subsessilia oblonga. — Habitat? — *v. s. et v.*

Desciscens.

180. **radicans.** C. Koch. *(Append. 1854. p. 10.)* — Caudex crassulus, prorepens. Petiolus subsesquipollicaris, teres. Geniculum longulum, crassulum. Lamina fol. oblongo-ovato, crasse-pergamena, supra bullato-undata, laete-viridis, infra ex glauco pallidior, basi cordata, lobis approximatis l. incumbenti-

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bus, apicem versus sensim angustata, subacuminata. Nervi 5-7 cum 2-bus e costa medio exortis 7-9, 2-4 ex apice petioli, reliqui e costa, inferiores in marginem excurrentes, supremi pseudoneurum constituentes. Pedunculus 1-1¼-pollicaris, crassus. Spatha carnoso-coriacea, concava, patens l. patentissima, elliptica acuminato-cuspidata, basi subdecurrens, extus ex ferrugineo rubens, intus virens. Spadix oblongus, stipitatus, cum stipite ¾-pollicaris, absque stipite pollicaris, crassus, violascenter livescens, tandem spatham excedens. Pistilla stylo elongato praedita. — Patria? — *v. v. cult.*

Obscura.

181. **obtusifolium** Knth. *(En. III. p. 79. 1841.)* — Foliis cordatis, obtusissimis. Knth. l. c. — Barbados.

182. **flexuosum**. Knth. *(En. III. p. 82. 1841.)* — Ramis scandentibus, leviter flexuosis; foliis oblongis, leviter-acuminatis, basi obtusis, reticulato-venosis, coriaceis? — Orinoco, Rio-negro. Knth. l. c.

183. **palmatifidum**. Van Houtte *(Hort. 5.)* — quid?

Excludenda.

**peltatum** Poepp. = Philod. peltat. *S.*
**striatum** C. Koch. = ? Monstera ex C. Koch.

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**SUBTRIBUS POTHOINAE.** *S.* Spatha vaginalis, vegeto-persistens. Spadix a basi florens, floribus liberis, arcte contiguis. Flosculi sexsepali, sepalis tribus exterioribus majoribus, reliqua obcumbentibus. Filamenta brevia. Antherae subexsertae. Ovarii loculamenta uniovulata, ovulis basin versus exsertis. Stigma sessile umbilicatum. Baccae distinctae, maturescentes singillatim e sepalis gradatim procedentes. Semina exalbuminosa.

**POTHOS** *L.* Spatha tandem reflexa. Spadix varius. Antherae loculi rima aperientes. Ovarium triloculare, ovulis axeos parti inferiore affixis.

Frutices Indicae ad Sinam et Novam Hollandiam inque Madagascariam usque provenientes, caudice ramisque plerumque funiformibus, adscendentes et adradicantes. Folia juvenculorum vix petiolata, plus minusve rotundata, vetustorum difformia, petiolis vagina vegeto-persistente instructa. Lamina fol. in posterioribus pseudoneuris tribus quatuorve percursa.

*A.* Eupothos.

Rami axillares, nodis indistinctis. Folia in turione infima et interdum suprema, incompleta, e petiolis vaginalibus, acutatis tantum conformata, completa bifariam exserta, (foliis incompletis interpositis nullis). Petiolus basi semiamplexus, vagina virente explanata, apicem versus sensim dilatata ibique

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abrupte contracta, tota longitudine utrinque auctus, absque geniculo manifesto cum lamina articulatim junctus. Pseudoneura interiora costae approximata. Venae angulo acuto l. acutissimo exsertae, patenter-erectae. Inflorescentia solitaria. Spatha pedunculo defluens.

* Inflorescentia axillaris. Spatha brevis, concava. Spadix plus minusve sphaeroideus.

1. **angustifolius.** Presl. *(Epimel. p. 242. 1849.)* — Internodia 3-4 lineas longa. Petioli oblanceolato-cuneati, internodio 4plo-6-tuplove longiores, apice auriculis paululo productis, rotundatis l. angulatis. Lamina fol. anguste lineari-lanceolata, basi cuneata, petiolum longitudine aequans, latitudine subsuperans. Pedunculus brevissimus, vaginulam bracteantem supremam brevem vix excedens. Spatha lanceolata, longiuscule-acuminata, spadicem globosum, diametro 1-lineari, stipelli longitudine, pedunculo breviorem excedens. — Martabaniae, provinc. Tenasserim. — *v. s. in Herb. Mus. Vindob.*
2. **Zollingerii.** *S. (Oest. B. Wchnbl. 1855. p. 19.)* — Internodia 3-4 lineas longa. Petiolus lineari-cuneatus, internodio 7-ties, l. 9-vies longior, apice auriculis productis rotundatis l. rotundato-obtusatis. Lamina fol. lineari-lanceolata, basi obtusa, petiolum longitudine subaequans, latitudine vero angustior. Pedunculus brevissimus, vix vaginulam bracteantem supremam brevem exce-

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dens. Spatha ovato-lanceolata, cuspidato-acuminata, ad spadicis ovati, diametro transverso circiter 1-linearis, stipello longioris, pedunculum aequantis medium usque tantum productibilis. — Java. Zollinger. — *v. s. in Herb. Zollingeriano.*

*Synon.* Pothos angustifolia. Miquel. pro parte!

3. **fallax.** *S.* Rami graciles, leviter-flexuosi, internodiis semipollicaribus. Petioli cuneati, pollicares ad bipollicares, plerumque sesquipollicares, apice 3-4 lineas lati ibique sinu levi cordata, auriculis brevibus, rotundatis. Lamina fol. lanceolata, petiolum longitudine et latitudine multo superans, basin leviter cuneatam versus minus angustata, imo obtusato, apice semsim angustata. Pedunculus brevis, squamis bracteantibus vix longior. Spatha oblongo-ovata, acuminata, pedunculo vix brevior. Spadix ovoideus l. obovoideus, stipite suo longior, pedunculo et spatha brevior. — Borneo. Motley. — *v. s. in Herb. Hooker.*

4. **Horsfieldii.** Miq. *(Flor. Ind. Batav. Vol. III. p. 178. 1856.)* — Rami leviter-flexuosi, internodia circiter semipollicaria. Petiolus e basi semitorta anguste oblongo-cuneatus, 2-3, utplurimum $2^1/_2$ pollices longus, (in ramulis etiam brevior), apice $2^1/_2$-4 lineas lato cordato-excisus, integerrimus l. ibi obsolete-denticulatus, deorsum attenuatus, subtus parallelinervius et reticulatus, ner-

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vis 2-intimis approximatis, parallelis, aream demum striatinervulam, nec reticulatam includentes. Lamina fol. petiolum longitudine et latitudine circiter aequans, (inferiorum subbrevior, superiorum sublongior) e basi rotundata, lanceolata, acuta, nervatione petiolo subsimili. Pedunculus axillaris, solitarius, 2-4 lineas longus, incurvus, inferne praesertim dense vaginatus, bracteis circiter 7, infimis depauperatis, reliquis 4-5 late-ovatis, cuspidulatis, nervosis, suprema majore. Spatha cordato-ovata, acutata, navicularis, subconsimilis. Spadicis stipellus spatha subbrevior. Spadix obovoideus, stipellum subaequans. (Miq. l. c.) — Celebes. Reinw., Java. Horsfield. — *v. s. specim. spontan.*

*Synon.* Pothos angustifolia Reinw. et Miquel olim.

5. **exiguiflorus**. *S. (Aroid. I. p. 21. tab. 41. 1857.)* — Internodia $^1/_4$ - $^4/_4$ - pollicaria. Petiolus lineari-cuneatus, internodio 2-4-plo longior, apice auriculis vix l. parum productis, (raro auriculis productioribus), rotundatis. Lamina fol. vegetioris ovata, acuminata, basi rotundata, ramulorum extimorum lanceolata, longe-acuminata, basi obtusata, petiolum longitudine parum l. duplo, latitudine duplo l. quadruplo superans. Pedunculus brevis, e vaginula bracteante suprema ovato-oblonga, dupla ejus longitudine exsertus. Spatha ovata cuspidulata, stipelli longitudine, quam pedunculus plus

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duplo longior. Spadix ellipsoideus, spathae stipellique longitudine, diametro sesquilineari. — Indiae prov. Concan. Stocks. — *v. s. in Herb. Hooker.*

6. **cognatus.** *S. (Aroid. I. p. 22. t. 42. 1857.)* — Internodia semipollicaria ad bipollicaria. Petiolus obovato-oblanceolatus, internodio duplo triplove longior, apice auriculis productis rotundatis. Lamina fol. lanceolata l. ovato-lanceolata, basi rotundata, petiolum paulo (¼) longitudine, ejus latitudinem dimidio l. duplo superans. Pedunculus brevis, e vaginula bracteante suprema oblongula, haud exsertus. Spatha ovato-acuminata, spadicis ellipsoidei, transverse sesquilinearis, stipellum paulo superans, spadicis longitudinem vero non attingens, pedunculo duplo circiter brevior. — Khasia. Hooker, f. — *v. s. in Herb. Hooker. f.*

7. **decipiens.** *S. (Bonpl. 1859. p. 165.)* — Internodia ½-¾-pollicaria. Petiolus late-cuneatus, internodio triplo quadruplove longior, apice auriculis prominentibus triangularibus. Lamina fol. ovato-lanceolata, raro lanceolata, basi rotundata, apice sensim acuminata, petiolum longitudine et latitudine superans. Pedunculus brevis, e vaginula bracteante elongata suprema, parum procedens. Spatha ultra ¼-pollicaris, surrecta, oblonga, sensim acuminata, spadicis ellipsoidei, transverse sesquilinearis stipellum refractum, duplo fere superans, valde

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ultra medium spadicem productibilis, pedunculo paulo brevior. Baccae lineari-oblongae. — India or. Vogt. — *v. spec. sicc. in Herb. Hafniensi.*

8. **scandens**. *L.* Internodia $^1/_2$-$^3/_4$-pollicaria. Petioli oblanceolato-cuneati, internodio duplo triplove longiores, apice auriculis productis rotundatis. Lamina fol. ovato-lanceolata, basi obtusa, petiolum longitudine et latitudine superans, (interdum duplo triplove). Pedunculus brevis, e vaginula bracteante suprema brevi, saepe dupla illius longitudine progrediens. Spatha ovata l. ovato-oblonga, apiculata, spadicis breviter ellipsoidei (transverse sesquilinearis) stipellum parum superans, vix medium spadicem attingens, pedunculo duplo circiter brevior. — Ceylona L. Canara Hohenacker, — *v. exemplaria permulta! in Herb. Mus. Vindob. Hookeriano, Berolin. etc.*

9. **longifolius**. Presl. *(Epimel. p. 242. 1849.)* — Internodia $^3/_4$-$^4/_4$-pollicaria. Petiolus cuneatus, internodio triplo et ultra longior, auriculis apicalibus productis, acutatis. Lamina fol. lanceolata, basi obtusa, petiolum longitudine et latitudine paulo superans. Pedunculus brevis, vaginam bracteantem supremam brevem, paulo excedens. Spatha ovata l. ovato-oblonga, apiculata, spadicis sphaeroidei, diametro bilinearis, stipellum duplo fere superans, medium spadicem attingens l. superans, pedunculo duplo circi-

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ter brevior. — Manila. Cuming. — *v. s. in Herb. Mus. Vindob. et aliis.*

10. **Chapelieri.** *S. (Aroid. I. p. 22. tab. 35. 1856.)* — Internodia semipollicaria. Petiolus lineari-cuneatus, internodio triplo longior, apice rotundatus, auriculis haud productis. Lamina fol. elliptico-lanceolata, acuminata, basi ex rotundato cuneato-angustata, petiolum longitudine paulo, latitudine duplo circiter superans. Pedunculus parum elongatus, vaginam bracteantem supremam brevem, duplo superans. Spatha ex rotundato ovata, brevissime cuspidulata, pedunculo multo brevior, spadicis sphaeroidei, vertice ex truncato depressi stipellum laxe anfractuose tortum, spadice paulo breviorem, multo superans. — Madagascaria. Chapelier. — *v. s. in Herb. Knth.*

11. **Seemanni.** *S. (Bonpl. 1857. p. 45.)* — Internodia semipollicaria. Petiolus oblanceolato-cuneiformis, internodio paulo longior l. brevior, apice auriculis rotundatis non productis. Lamina fol. lanceolato-ovata, acuminata, basin versus cuneata et imo abrupte contracta petiolo quinquies longior et latior. Pedunculus apicem vaginae bracteantis supremae obtusae breviterque apiculatae haud attingens. Spatha ovata, acuminata, pedunculo vix brevior, stipello longior. Spadix breviter-ellipsoideus, transverse ¼-pollicaris. — Hongkong. Seemann. — *v. s. in Herb. Seemanni.*

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12. **Roxburghii.** de Vriese. *(pl. Jungh. I. p. 103. 1851.)* — Internodia pollicaria. Petiolus cuneiformis, internodio duplo longior, apice auriculis rotundatis, productis. Lamina fol. obovato-lanceolata, subrepentino acuminata, basi arcuate-cuneata l. rotundata, petiolum longitudine plus duplo, latitudine triplo et ultra superans. Pedunculus vix ultra vaginam bracteantem, breviter-apiculatam protensus. Spatha dilatato-rotundata, pedunculo stipelloque vix brevior. Spadix ovoideo-sphaeroideus, diametro circiter $^1/_4$-pollicaris. — India or., Silhet. Silva. — *v. s. in Herb. de Vriese, Wallichii etc.*
13. **Vriesеanus.** *S. (Aroid. I. p. 22. t. 36. 1856.)* — Internodia $^3/_4$-$^4/_4$-pollicaria. Petiolus cuneiformis, internodio $2^1/_2$-3-plo longior, apice auriculis vix l. parum productis, rotundato-obtusatis. Lamina fol. lanceolata, sensim acuminata, basi rotundata, petiolum longitudine et latitudine dimidio superans. Pedunculus vix ultra vaginam bracteantem supremam acuminate-cuspidulatam protensus. Spatha dilatato-rotundata, pedunculo multo brevior, spadicis sphaeroidei, diametro $^1/_4$-pollicaris stipellum subaequans. — Sumatra. Junghuhn. — *v. s. in Herb. de Vriese.*
14. **Cathcarti.** *S. (Aroid. I. p. 22. t. 44. 45. 1857.)* — Internodia pollicaria. Petiolus cuneiformis, internodio duplo quadruplove longior, apice auriculis obtusate- l. rotun-

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date-subangulatis, parum l. magis productis. Lamina fol. ovato- l. oblongo-acuminata, apice sensim angustata, basi rotundata, petiolum longitudine et latitudine sesqui- l. et plus duplo superans. Pedunculus vix e vagina bracteante suprema, ovata, apiculata, exsertus. Spatha dilatata, ovata, cuspidate-acutata, pedunculo brevior, spadice ellipsoideo, transverse 4-5-lineari, stipelloque longior. — Sikkim. (Cathcart, Hooker f.) *v. s. et pict. in Herb. et Collectione Hookeri, fil.*

15. **Hookeri.** *S. (Aroid. I. p. 23. t. 46. 1857.)* — Internodia plus minusve semipollicaria. Petiolus cuneiformis, internodio duplo triplove longior, apice subtruncato-rotundatus, raro angulato-subprotensus. Lamina fol. lanceolata l. ovato-lanceolata, sensim acuminata, basi rotundata l. obtusata, petiolo paulo l. subtriplo longior, sesqui- l. subtriplo latior. Pedunculus ultra vaginam bracteantem supremam elongato lineari-lanceolatam l. lanceolatam longe productus, (sesqui- l. bipollicaris). Spatha ovato-lanceolata, acuminata, pedunculo duplo triplove brevior, stipello longior. Spadix oblongo-ellipsoideus ultra-semipollicaris, stipellum aequans. — Ceylona. Walker. — *v. s. in Herb. Hooker.*

16. **macrophyllus.** de Vriese. *(pl. Jungh. I. p. 104. 1851.)* — Internodia semipollicaria, pollicaria. Petiolus cuneiformis, internodio

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sesqui- l. vix duplo longior, apice rotundatus, auriculis non protensis. Lamina ovata l. oblongo-ovata breviter-acuminata, basi rotundata, petiolum longitudine duplo, triplo, quadruplo, latitudine triplo quintuplove superans. Pedunculus ultra vaginam bracteantem supremam lineari-lanceolato-elongatam, (subsesquipollicarem), longe productus, (bipollicaris). Spatha dilatato-ovata, acuminata, pedunculo plus duplo, stipello vix duplo brevior. Spadix pyriformis, longitudine semipollicaris, stipello duplo brevior. — Sumatra. Junghuhn. — *v. s. in Herb. de Vriese.*

17. **Junghuhnianus**. de Vriese. *(pl. Jungh. I. p. 104. 1851.)* — Internodia semipollicaria et pollicaria. Petiolus cuneiformis, internodio triplo longior, apice auriculis productis, rotundatis l. subangulatis. Lamina fol. lanceolata l. ovato-lanceolata, acuminata, basi rotundata l. obtusata, petiolo sesqui- l. subduplo longior et latior. Pedunculus ultra vaginam bracteantem supremam lineari-oblongulam, breviter-apiculatam, $^1/_4$-$^4/_4$-pollicarem longe-productus, (pollicaris et ultra). Spatha ovato-acuminata, pedunculo plus triplo, stipello sesqui- l. et triplo brevior. Spadix sphaerico-pyriformis l. ellipsoideus, longitudine semipollicaris, stipello sesqui- et ultra brevior. — Sumatra. Junghuhn, Java. Zollinger. — *v. s. in Herb. de Vriese et Zollinger.*

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18. **leptospadix**. de Vriese. *(pl. Jungh. I. p. 105. 1851.)* — Internodia semipollicaria l. pollicaria. Petiolus cuneato-linearis, internodio subduplo longior, apice auriculis parum productis, minutis. Lamina fol. linearis, subacuminata, basi rotundata, petiolo fere sequilongior, vix vero latior. — Sumatra. Junghuhn. — *v. s. sine fl. ex Herbar. de Vriese.*

*Synon.* An satis differt a P. angustifolio Presl?

19. **microphyllus**. Presl. *(Epim. p. 243. 1849.)* — Internodia semipollicaria. Petiolus cuneato-linearis, internodio triplo longior, apice auriculis minutis, vix productis. Lamina fol. lanceolata, acuminata, basi rotundata, petiolo triplo brevior multoque angustior. — Birma. China Gaudichaud, Manila. — *v. s. in Herb. Berol. et Horti Petropol.*

** Inflorescentia terminalis. Spatha elongata. Spadix amentiformis.

20. **longipes**. *S. (Aroid. p. 23. t. 47. 1857.)* — Internodia semipollicaria. Petiolus elongato-lineari-cuneatus, (inferior ramulorum phyllodineus, acutatus), internodio 7-10-plo longior, apice auriculis rotundatis, vix productis. Lamina fol. anguste lineari-lanceolata, in longe ramulosis, ovato-lanceolata in breve ramulosis, basi rotundato-obtusatis, apice sensim acuminatis, petiolo paulo l. et multo (fere duplo) brevior, eoque paulo l. multo

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latior. Pedunculus elongatus tenuis. Spatha lineari-lanceolata l. lanceolata. Spadix a spatha stipello longo remotus. — Nova Hollandia. Leichhard, Ferd. Mueller. — *v. s. specimina in Herb. Hooker, Horti Petrop. et Ferd. Mueller.*

*Synon.* Pothos Australasica. Ferd. Muel.

21. **cylindricus** Presl. *(Epim. I. p. 243. 1849.)* — Internodia semipollicaria. Petiolus elongato-cuneiformis internodio 6-ies, 9-ies longior, apice auriculis productis, rotundate-obtusatis. Lamina fol. lanceolata, subacuminata, basi rotundate-cuneata, petiolo duplo et ultra brevior, plerumque et angustior. Pedunculus elongatus. Spatha lineari-lanceolata. Spadix cylindraceus, sessilis, spatha brevior. — Philippinae. Cuming. — *v. s. in variis Herbariis.*

22. **Loureiri** Hooker. et Arn. *(Beechey voy. p. 20. 1841.)* — Internodia $^1/_4$-$^1/_2$ pollicaria. Petiolus elongato-cuneiformis, internodio 10-15-ies longior, apice auriculis leviter productis, subangulare-rotundatis. Lamina fol. lanceolata, acuminata, basi rotundata, petiolo duplo triplove brevior, manifeste angustior. Pedunculi in ramulis axillaribus foliatis brevibus, apice contractis, quasi terminalibus, ex axillis bractearum contiguarum, solitarii l. bini oppositi l. fere fasciculati, elongati, tenues. Spatha lanceolato-linearis, acuminata, longe-apiculata, pedunculo duplo brevior. Spadix tenuiter-

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cylindraceus, breviter stipellatus, spatha duplo longior. — China. Millet. — *v. s. in Herb. Hooker.*

*B.* Allopothos.

Rami infra-axillares l. potius remotissime supra-axillares, nodis distinctis. Folia in turione completa hinc inde interpositis incompletis comitata, (in juvencula rotundata, subimpetiolata). Petiolus basi amplexus, vagina membranacea, canaliculata, angusta ad ejus apicem usque vix producta, ligulare soluta auctus, geniculo manifesto, brevi l. longulo, cum lamina, imo exigue peltato, subcordato junctus. Pseudoneuro margini magis approximato. Venae late-patentes, copiosae. Inflorescentiae subsolitariae l. consociatae. Spatha clongata, pedunculum subpeltatim amplexans.

* Spadicis cylindrici axis rectus, flosculis contiguis undique tectus.

23. **Cumingianus** *S. (Bot. Wochenbl. 1855. p. 19.)* — Internodia semipollicaria. Petiolus $^1/_2$-1-pollicaris, vagina ad medium fere usque producta. Lamina fol. elongato elliptica, 6-7-tuplo petiolo longior, basi rotundate-cuneata, apice breviter l. longius cuspidata. Pedunculi utplurimum geminati, petiolo triplo longiores. Spatha (4-6 lineas longa), oblongula, pedunculo quadruplo et ultra brevior. Spadix 6-9 lineas longus, spatham paulo superans, brevissime stipella-

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tus. — Philippinae. Cuming. — *v. in var. Herbariis.*

*Synon.* Scindapsus inaequilaterus Presl.

24. **oxyphyllus** Miquel. *(Bot. Zeitschr. p. 561. 1856.)* — Internodia . . . Petiolus subpollicaris, vagina ad medium usque progrediente. Lamina elliptico-oblonga, basi acuta, apice subabrupte cuspidato-acuminata, 6 pollices longa. Pedunculus subterminalis, brevis. Spatha lata brevi-lanceolata. Spadix sessilis cylindricus pollicaris. Miquel. — Java. Miquel.

25. **Thomsonianus**. *S. (Aroid. I. p. 24. t. 51. 1857.)* — Internodia semipollicaria. Petiolus $^1/_4$-$^1/_2$-pollicaris, vagina brevissima, ad geniculum haud procedente. Lamina lanceolata, petiolo 12–15-ies longior, basi angustata obtusa, apice cuspidato-acuminata. Pedunculus petiolo 3-plo 4-plove longior. Spatha 7-9 lineas longa, lineari-lanceolata, sensim acuminata, pedunculo subduplo brevior. Spadix 12-15 lineas longus, spatham superans, breviter-stipellatus. India orient., Concan. Thomson. — *v. s. in Herb. Hooker, f.*

26. **leptostachyus** *S.* Internodia semipollicaria et ultra-semipollicaria. Petiolus sesqui- l. bipollicaris, vagina ultra (petiolum) medium producta, geniculum attingente. Lamina fol. oblonga, petiolo plus duplo longior valde-inaequilatera, basin versus cuneata, imo vero obtusato, apice cuspidato-

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acuminata. Pedunculus petiolo fere brevior l. subaequalis. Spatha $2^1/_2$ pollices longa, linearis, acuminata, angusta, pedunculo plus triplo longior. Spadix juliformis, $2^1/_2$ pollices cum stipite semipollicari longus, 2 lineas crassus, spatham superans. — Borneo. Motley. — *v. s. in Herb. Hooker.*

27. **tener** *S. (Aroid. I. p. 24. 1857.)* — Folia 5-6 pollic. longa, sesquipollices lata, crassiuscula, splendentia. Spadix fructiger 4-5-pollicaris. ex Rumph. — Amboyna?

*Synon.* Scindapsus tener Presl.

28. **macrostachyus**. Moritzi. *(Cat. pl. Zolling. 83. 1846.)* — Folia 9 pollices longa, 2 pollices lata. Spadix fructiger spithamam longus, brachium crassus. ex Rumph. — Amboyna?

*Synon.?* Pothos scandens Lour. (ex Rumphii citato.)

29. **Rumphii** *S. (Melet. I. p. 21. 1832.)* — Lamina fol. elliptica, acuminata, basi rotundata, petiolo ad apicem fere vaginato paulo longior, 11-12-pollicaris. Pedunculi geminati, fructigeri petiolum subaequantes. Spadix fructiger stipitatus, spatham pedunculumque longitudine superans. Ex icone Rumph. — Amboyna?

*Synon.* Scindapsus Rumphii. Presl.

30. **gracilis** Roxb. *(Fl. Ind. I. p. 454. 1820.)* — Petiolus internodio $^1/_2$-1-pollicari longior, vagina ad apicem (petioli) non producta, partem nudam, brevem sub geniculo

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relinquens. Lamina fol. lanceolata, cuspidato-acuminata, basi rotundata, petiolo paulo longior, venis patentissimis, tenuissimis, densis, sursum arcuatis. Pedunculus petiolo paulo brevior. Spatha lineari-acuminata, pedunculum superans. Spadix subsolitarius, breviter-stipitatus, tenuissimus. — Pulo-Penany Roxb. — *v. s. in Herbar. Hooker.*

*Synon.* Pothos tener Wallich.

Scindapsus tener Presl. pro parte!

31. **Barberianus**. *S. (Aroid. I. p. 24. 1857.)* — Petiolus ramum plerumque tubulose obvolvens, internodio sesquipollicari paulo longior, vagina ad apicem (petioli) fere exacte producta. Lamina fol. ovato-lanceolata, l. lanceolata, cuspidato-acuminata, basi rotundata, petiolo fere duplo longior, venis angulo recto patentibus, tenuibus, densissimis. Pedunculus petiolo brevior. Spatha anguste-linearis acuminata, pedunculo crassiusculo brevior. Spadix sessilis crassiusculus. — Borneo. Motley. — *v. s. in Herb. Hooker.*

** Spadicis filiformis axis anfractuose tandem torta, flosculis in spiram remote circumvolutam contigue et superposite collocatis.

32. **remotiflorus**. Hooker *(Ic. II. t. 133. 1837-38.)* — Petiolus internodio subaequalis, l. longior l. et brevior, apice in geniculum sesquilineare terminans, vagina ultra me-

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dium (petioli) producta. Lamina fol. ovato-lanceolata, lanceolata l. elongato-lanceolata, longe-acuminata, basi obtusate-cuneata, petiolo 4-plo 6-plove longior. Pedunculus petiolum subaequans, l. longior. Spatha lanceolata, acuminata, cuspidulata pedunculo brevior. Spadix subsolitarius, breviter-stipitatus, spatham duplo et ultra superans, anfractubus floribusque remotis. — Ceylona. Hooker. — *v. s. in Herb. Hook.*

*Synon.* Pothos (Goniurus) elliptica Miq.

33. **Motleyanus** *S. (Aroid. I. p. 25. t. 55. 1857.)* — Petiolus internodio plerumque longior, apice in geniculum breve transiens, vagina ad apicem fere producta. Lamina fol. ex falcato ovata, ovato-lanceolata l. et lanceolata, acuminata, basi rotundata l. subcuneato-angustata et imo abrupte-rotundata, petiolo duplo triplove longior, lateribus valde inaequalibus, pseudoneuro interno a margine 2 lineas remoto, venis crassioribus magisque approximatis. Pedunculus petiolo brevior. Spatha lineari-lanceolata, acuminata, pedunculo brevior. Spadix gregarius, longe-stipitatus, gracilis, spatham multoties superans, anfractubus approximatis, floribus minutissimis. — Borneo. Motley et Barber. — *v. s. in Herb. Hooker.*

34. **Luzonensis**. *S. (Oestr. Bot. Wochenbl. 1855. p. 19.)* — Petiolus internodio longior, apice in geniculum longulum progrediens, ad $^4/_5$-$^5/_6$-vaginatus. Lamina fol. subfalcato-ob-

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longo-lanceolata, cuspidato-acuminata, basi obtusa, petiolo triplo circiter longior, lateribus valde inaequalibus, pseudoneuro interno a margine valde remoto, venis tenuibus remotiusculis. Pedunculus petiolum aequans. Spatha elongato-lineari-lanceolata, cuspidata, quam pedunculus plerumque paulo brevior. Spadices e ramulo fertili 2-3-bus, grosse-filiformibus, anfractubus remotis, spatham triplo superantibus, stipello brevi fultis, floribus minutis. — Philippinae. Cuming. — *v. s. in var. Herbar.*

*Synon.* Goniurus luzonensis Presl.

*C.* Obscuri.

**Pothos scandens** Griff. It. Not. Vol. II. p. 14. W. 206. 1848.

— — Griff. It. Not. Vol. II. p. 167 W. 859. 1848.

*D.* Excludendi.

**P. Cuscuaria** Gmel. = Cuscuaria marantifolia *S.*

— . . . . . Griff. It. Not. Vol. II. p. 35. W. 578. 1848. = Rhaphidoph. spec?

— . . . . . Griff. It. Not. Vol. II. p. 101. W. 31. 1848 = Rhaphidoph. spec.?

**POTHOIDIUM** *S.* Spatha manifesta nulla. Bracteae caducae, inflorescentiae axillares, subpaniculatae, ramos alternos, simplices, apice

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spadiciferos, fulcientes, raro spadicibus immediate subpositae. Sepala 6, tria exteriora, tria interiora. Stamina 6, sepalis opposita, antheris postice aperientibus. Ovarium uniloculare, uniovulatum, ovulo e fundo funiculo longulo, parietem versus adscendente, anatropo. Stigma sessile umbilicatum.

1. **Lobbianum.** *S. (Aroid. I. p. 26. t. 57. 1857.)* — Rami elongati, distichophylli, nodis indistinctis. Folia patentia, brevissime distantia. Petiolus elongatus, linearis, 4-5-pollicaris, imo contractus, semiamplexus, apice raptim contractus, minute-auriculatus, auriculis rotundatis, vix sursum protensis. Lamina fol. acute-triangulari-lanceolata, pollicaris l. sesquipollicaris, lato imo, absque geniculo manifesto, petiolo latiori juncta, cum illo vasis continuis instructa, quasi continua. Inflorescentiae in apice rami, e pluribus axillis, foliorum longitudine, ramulis l. pedunculis subtribus 4-ve remotis patentibus, bracteis brevibus, ovato-acuminatis, l. sublanceolatis. Spadix tenuis, cylindricus, densiflorus, pedunculi l. stipitis longitudine. — Manila, Luzon. Lobb. — *v. s. in Herb. Hooker.*

**SUBTRIBUS ACORINAE.** *S.* Spatha phyllodinea, continua, haud convoluta l. concavata, vegeto-persistens. Sepala 4-6. Filamenta brevia. Antherae exsertae. Ovarium 1-3-loculare, loculamento 1- l. pluriovulato, ovulis funiculo brevi ex apice axeos pendulis l. tholifixis.

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Stigma sessile hemisphaericum, minutum. Semina albuminosa.

**GYMNOSTACHYS**. R. Br. Spatha bractealis, carinata, pedicellum l. stipellum fulcrans. Spadix l. spadices e bracteae axilla fasciculati, bracteolis suffulti, cylindrici, primum erecti demum fructu penduli. Sepala 4, lateralia 2 reliqua obtegentia. Ovarium uniloculare, uniovulatum, ovulo tholifixo. Bacca elliptica, (coerulea), ante maturitatem e sepalis procedens, unilocularis, monosperma. Semen ovoideum.

Folia sive phyllodia graminea. Pedunculus anceps, apice alternatim fasciculis spadicium onustus.

**anceps**. R. Br. *(Prodr. Fl. N. Holl. p. 327. 1810.)* — Tubera fusiformia, fasciculata. Folia elongata, nervosa. Pedunculus elongatus. Spadices graciles. — Nova-Hollandia. R. Br. — *v. v. cult. et s. specim. spontan. in plurim. Herbar.*

**ACORUS**. *S.* Spatha pedunculum continuans, anceps. Spadix sessilis, lateraliter protensus, rectus. Sepala 6, tria exteriora majora. Ovarium triloculare, loculamentis pluriovulatis, ovulis ex apice axeos pendulis. Bacca vertice conoidea, (rubra). Semina in loculamentis pauca, oblonga, membrana arillacea ad oram breviter l. longissime fimbriata obducta.

Rhizoma repens. Folia disticha irideo modo vaginata et ensiformia.

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1. **Calamus.** *S.* Phyllodium ultra vaginam longissime productum, ad $^4/_5$ longitudinis dilatatum $^3/_4$ pollicis circiter latum, sensimque apicem versus angustatum acuminatissimum. Spatha strictiuscule erecta, spadice 5-tuplo longior, medio dilatata, exitu acuminatissima, inferne in stipitem triquetrum pollicarem contracta. Spadix digitiformis, vix tripollicaris. Ovarii loculamenta 6-ovulata. Ovuli exostoma et endostoma fimbriis paucis longis, subaequalibus praeditum. — Europa, Amer. bor. — *v. v.*
2. **commutatus.** *S.* Phyllodium ultra vaginam longe productum, 12–15 pollices longum, 6 lineas latum, apice breviter acutatum. Spatha brevis, vix spadicem superans. Spadix digitiformis, sesquipollicaris. Ovuli exostoma et endostoma fimbriis plurimis brevibus cinctum. (Ex icone Griffithii.) — Khasia, Assam. Griff.

   *Observ.* An huc Acor. Calamus Lour. ducendus?
3. **triqueter.** Turczan. *(in schedula Herb. Horti Petropol.)* — Phyllodium ultra vaginam longissime productum vix dilatatum, 4–5 lineas latum, sensim apicem versus angustatum, acuminatissimum. Spatha strictiuscule erecta, spadice 7–8-tuplo longior, vix medio dilatata; exitu acuminatissima, inferne in stipitem triquetrum bipollicarem contracta. Spadix digitiformis, $2^1/_2$-vix tripollicaris. Ovarii loculamenta sub-6-ovulata.

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Ovuli exostoma fimbriis paucis, brevibus, latiusculis auctum, endostoma obsoletum. — Dahuria. Turczaninow. — *v. s. specim. in Herb. Horti Petropol.*

4. **terrestris.** Rumph. *(Amb. V. 178. t. 72. 1747.)* — Phyllodium ultra vaginam longissime productum, ad $^3/_5$ longitudinis levissime dilatatum, 4 lineas latum, sensim apicem versus angustatum, acuminatissimum, costa vix manifesta. Spatha erecta, spadice 7-8-tuplo longior, linearis, superne . . . . . , inferne in stipitem triquetrum subbipollicarem attenuata. Spadix digitiformis, bipollicaris. Semen oblongum, ad micropylen filis exostomatis longissimis, copiosis, reflexis, lateribus accumbentibus ornatum. — Kumaon. Thomson. — *v. s. in Herb. Hook. fil.*
5. **Nilaghirensis.** *S. (Oesterr. B. Ztschr. 1859. p. 101.)* — Folia . . . . . Spadix sesquipollicaris, crassitie 4-lineari, spatha longissima, (sesquipedalis et ultra), medio subdilatata superatus. Ovula paraphysibus illis longioribus obtecta, exostomate modice fimbriato endostomate ultra exostoma producto obiter fimbriato. — Montes Nilaghir. Ind. or. Hohenacker. — *v. s. spec. spont.*
   *Synon.* Acorus terrestris Hohenack.
6. **Tatarinowii.** *S. (Oest. Bot. Ztschr. 1859. p. 101.)* — Folia $1^1/_2$-2 pedes et ultra? longa, $^1/_4$ pollicis lata. Spadix sesquipollicaris, diametro trilineari, spatha longissima supera-

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tus. Ovula paraphysibus longis hinc inde praelongis circumdata exostomate breviter fimbriato, endostomate valde producto, brevius fimbriato. — China, Pekin. Tatarinow. — *v. s. specim. in Herb. Academ. Petropol.*

7. **Griffithii.** *S. (Oest. B. Ztschr. 1858. p. 357.)* — Phyllodium ultra vaginam vix longe-productum, 14-17 pollices longum, 3-4½ lineas latum, apice brevius acuminatum. Spatha 4½ pollices longa, 3 lineas lata, basin versus angustata in stipitem triquetrum tenuem, dimidium spadicem vix superantem, apice repentino acuminata. Spadix cylindroideus, tenuis, longitudine sesquipollicaris. Ovuli exostoma fimbriis brevibus, endostoma brevissimis cinctum. — Bootan. Griffith. — *v. s. in Herb. Hook.*
8. **gramineus.** Ait. *(Hort. Kew. I. p. 474. 1789.)* — Phyllodium ultra vaginam longe-productum, 8-11 pollices longum, 2 lineas latum, apice longe-acuminatum, vix costatum. Spatha elongata, 3-5 pollices longa, angusta, subsesquilinearis. Spadix 2-2½ pollices longus, 2-3 lineas crassus. Funiculi paraphysibus brevissimis comitati. Ovuli exostoma fimbriis longulis, multisque, endostoma brevioribus cinctum. — China, Japonia. — *v. v. et sicc.*
9. ? **Cochinchinens.** *S. (Melet. I. p. 22. 1832.)* — Phyllodia ensiformia, longa, utrinque carinata, pollicem lata. Spadix cylindricus,

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bipollicaris e latere phyllodii supra medium erumpens. Baccae monospermae! — Cochinchina. Loureiro. — *Omnia ex Lour. mutatis mutandis.*

Aroidea dubia.

**THAUMATOPHYLLUM Spruceanum.** *S. (Bonpl. 1859. p. 31.)* — Petiolus sesquipedalis et ultra, teres, imo breviter-vaginato et incrassato, apice in geniculum transiens. Lamina fol. pedatisecta, cruribus (lateralibus) horizontaliter exsertis et exitu arcuatim retrocurvis; segmentis omnibus lanceolate-oblongis, apiculato-acutatis, undenis, remotis, diachymate angustissimo connexis, extimis basi cuneatis, reliquis omnibus! ibi repentino contractis et quasi geniculo brevissimo ansatis. — Ad Amazonum flumen. Spruce. — *v. s. fol. in Herb. Hooker.*

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Notandum.

Genera nunc descripta 108. — Species ultra 964. — Kunthii genera 40, species 256. Species a me visae, omnes, in tabulis ultra 2300, delineatae l. depictae sunt.

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# Index

## synonymorum.

Acorus terrestr. Hohenack. = Acorus Nilaghirensis. S.
Aglaonema Cuscuar. Miq. = Cuscuaria marantifol. S.
" Griffithii. S. = Aglaodorum Griffithii. S.
" integrif. Hort. = Aglaonema nitidum. Kuth.
" marantifol. Zoll. = Aglaonema Schottii. Miq.
" marantif. Hort. = Aglaonema commutatum. S.
" princeps. Knth. = Aglaonema nitidum. Knth.
" pygmaea. Hassk. = Chamaeclad. lanceolat. Miq.
" pygmaea. β. purp. Zoll. = Chamaeclad. purpurasc. S.
Alocasia Boryi. S. Syn. = Alocas. Indica, var. S.
" Indica. S. Syn. = Leucocasia gigantea. S.
" Indica. C. Kch. pr. prt. = Alocasia macrorrhiza. S.
" metallica. S. Syn. = Alocasia Indica var. S.
" odora. C. Kch. = Alocasia commut. pr. prte. S.
" pallida. C. Kch. = Alocasia alba. S. S.
" undipes. C. Kch. = Xanthosoma Jacquini. S.
" variegata. C. Kch. = Alocasia Indica, var. S.
Amorphophl. bulbif. Blume. = Conophallus bulbifer. S.
" consimil. Blume. = Brachyspath. consim. S.
" difform. Blume. = Anchomanes Hookeri. S.
" Fontanesi. Knth. = Hydrosme Fontanesii. S.
" giganteus. Blume. = Conophall. giganteus. S.
" Granatens. Linden. = Arisaema macrospath. Benth.
" lyratus. Knth. = Conophall. lyratus. S.
" Mossambic. Kltsch. = Hydrosme Mossambicens. S.
" margaritif. Knth. = Plesmonium margaritif. S.
" Muelleri. Blume. = Brachyspath. Muelleri. S.
" punctulat. Blume. = Conophallus punctulatus. S.
" sativus. Blume. Conophallus sativus. S.
" sylvaticus. Knth. = Synantherias sylvatica. S.
" variabilis. Blume. = Brachyspatha variabil. S.
" Zeylanic. Blume. = Brachyspatha Zeylanica. S.
nthur. albo-costat. Miq. = Anthurium crassinerv. S.
" Beyrich. pr. part. Hrt. = Anthurium assimile. S.
" brachyspath. C. Kch. = Anthurium trinerve. Miq.
" caudatum Kuth. Anthurium undatum. S.
" cordato-sagitt. S. = Anthurium sagitt. Knth.
" costatum. C. Kch. = Anthurium violascens. S.

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Anthur. crassinervium. Hrt. = Anthurium acaule. *S.*
„ crenatum. Knth. = Anthurium acaule. *S.*
„ elatum. C. Kch. = Anthurium Knuthii. Poepp.
„ glaucescens. Knth. = Anthurium coriaceum. Endl.
„ glaucum. *S.* = Anthurium coriaceum. Endl.
„ Harrisii pr. prt. Hrt. = Anthur. assimile *S.*, et consang. Knth.
„ Hookeri. C. Kch. = Anthurium Huegelii. *S.*
„ indecorum. *S.* = Anthurium variabile. Knth.
„ Luschathian. Knth. = Anthurium lucidum. Knth.
„ membranulif. *S.* = Anthur. podophyllum. Knth.
„ neglectum. Miq. = Anthurium Huegelii. *S.*
„ peltatum. Poepp. = Philodendr. peltatum. *S.*
„ podophyll. Hort. = Anthur. pseudopodoph. *S.*
„ polyrrhizon. C. Kch. = Anthurium Humboldtii. Knth.
„ rubrinerve. Knth. = Anthurium sagittatum. Knth.
„ scolopendr. Knth. = Anthurium gracile. Lindl.
„ Sellowm. C. Kch. Anthurium macrophyll. *S.*
„ striatum. C. Kch. = Monsterae species ex C. Kch.
„ Surinamense. Miq. = Genus ignotum ex *S.*
„ umbros. pr. prt. Liebm. = Anthurium Liebmannii. *S*
„ undulatum. C. Kch. = Anthurium Harrisii. Endl.
„ varians. Miq. = Anthurium acaule. *S.*
„ violac. *β.* leucocarp. Hort. = Anthur. leucocarpum. *S.*
Arisaema Brasilian. Blume. = Arisaema atrorubens. Blume.
„ hastatum. Blume. = Peltandra Virginica. Rafin.
„ macrourum Bung. = Pinellia tuberifera. Tenore.
„ Makoyan. Knth. = Arisaema filiforme. Blume.
„ Pythonium. Blume. = Zomicarpa Pythonium. *S.*
„ Sieboldii. de Vriese. = Arisaema ringens. *S.*
„ ternata. *S.* = Pinellia tuberifera. Tenore.
„ tortuosum. Steud. = Arisaema Steudelii. *S.*
„ venosum. Blume. = Sauromat. venosum. Knth.
Arum Abyssinicum. Rich. = Sauromatum Abyssinic. *S.*
„ angulatum. Griff. = Heterostalis flagelliform. *S.*
„ Colocasia. Fl. Flum. = Xanthosoma sp. *S.*
„ cordifol. Bory. = Alocas. Ind. var. *S.*
„ crassipes. Boiss. = Helicoph. angustat. et crassip. *S.*
„ crinitum. Ait. = Helicodicer. crinitus. *S.*
„ Carsaami. Ranwlf. = Ischarum Carsaami. *S.*
„ decurrens. Blanco. = Amorphophall. decurrens. *S.*
„ Dioscoridis. Boiss. = Arum Syriacum. pr. parte. *S.*
„ Dioscorid. *S.* = Arum spectabile. *S.*
„ Dracontium. Fl. Flum. = Asterostig. Luschnathian. *S.*
„ esculentum. Fl. Flum. = Xanthosoma spec. *S.*
„ exiguum. Blume. = Arisarum Veslingii. *S.*
„ flagellifer. Griff. = Arisaema sp. *S.*
„ flagelliform. Griff. = Heterostal. flagellif. *S.*
„ flavum. Forsk. = Arisaema flavum. *S.*

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Arum fornicat. Wight. = Alocasia decipiens. S.
„ gracile. Unvercht. = Arum intermedium. Schnr.
„ graminenm. Russl. = Biarum Russelian. S.
„ heterophyll. Aucher, Blume. = Helicophyll. Aucheri. S.
„ Indicum. Lour. = Leucocasia gigantea. S.
„ Indicum. Roxb. = Alocasia Indica. S.
„ integrif. Link. = Aglaonema nitidum. Knth.
„ intortum. Russel. = Helicophyll. Russel. S.
„ Italic. Sieber. = ? Arum concinnatum. S.
„ longicirh. S. = Arum hygrophilum. Boiss.
„ maculatum. Host. = Arum immaculatum. S.
„ montanum. Roxb. = Alocasia montana. S.
„ mucronat. Lmk. = Alocas. macrorrhiza. S.
„ nigrum. Fl. Flum. = Xanthosoma sp. S.
„ obtusilob. Link. = Colocas. obtusiloba. Knth.
„ odorum. Roxb. = Alocas. commutata. S.
„ orientale. Besser. = Arum Besserianum. S.
„ orientale. Visian. = Arum Petteri. S.
„ pentaphyll. Fl. Flum. = Acontias pentaphylla. S.
„ peregrinum. L. = Alocasia macrorrhiza? S.
„ pictum. L. = Gymnomesium pictum. S.
„ punctatum. Desf. = Alocas. Indica var. S.
„ ramosum. Hort. = Alocasia cucullata. S.
„ rapiforme. Roxb. = Alocasia rapiformis. S.
„ (Emin.) Ranwolffii. Blume. = Helicophyll. Rauwolff. S.
„ sagittifol. Chamis. = Arisacontis Chamisson. S.
„ spiculatum. Blume. = Helicophyll. spiculat. S.
„ Syriacum. Sprng. = Biarum Russelian. S.
„ vermitoxicum. Fl. Flum. = Caladium Vellozian. S.
„ Virginicum. Blume. = Peltandra Virginica. Raf.
„ viviparum. Griff. = vix Arum.
„ xanthorrhiz. H. Schnb. = Xanthosoma Jacquini. S.
„ sp. Griff. II. Nr. 109 = Arum Griffithii. S.
„ „ „ II. Nr. 1147. = Arisaema spec. S.
„ „ „ III. Nr. 144. = Gonatanth. Griffithii. S.
Asterostigm. Langsdorffiii. C. Koch. = Asterostigm. concinnum? S.
Atherurus ternatus. Blume. = Pinellia tuberifera. Tenor.
„ tripartit. Blume. = Pinellia tripartita. S.
Biarum Alexandr. Boiss. = Leptopetion Alexand. S.
„ constrictum. C. Koch. = Biarum tennifolium. S.
„ gramineum. S. Mel. = Biarum tennifolium. S.
„ Haenseleri. Wilk. = Ischarum Haenseleri. S.
„ Lehmanni. Bung. = Eminium Ledebouri. S.
„ Olivieri. Blume. = Leptopet. Alexandrin. S.
„ rhopalospad. C. Koch. = Cylleninm Spruneri. S.
„ Spruneri. Boiss. = Cylleninm Spruneri. S.
Brachyspatha sylvat. S. Syn. = Synantherias sylvatic. S.
Caladium arborescens. Vent. = Dieffenbach. Ventenatian. S.

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Caladium arborenm. Hort. = Syngonium decipiens. S.
„ argyrites. Lem. = Calad. Humboldtii. S.
„ argyrostigm. S. Mel. = Calad. pictum. D.C.
„ colocasioides. Brongn. = Colocas. antiquor. var. S.
„ concolor. C. Koch. = Calad. asperulum. S.
„ cupreum. C. Koch. = Alocas. Indica var. S.
„ destillatorium. Williamson (in Rich. Taylors Ann. of N. Hist. I. p. 188. 1848.) = quid?
„ discolor. Hort. = Calad. pellucidum. D.C.
„ giganteum. Blume. = Leucocas. gigantea. S.
„ glaucum. Elliot. = Peltandr. Virginica. Raf.
„ glycyrrhiz. Fraser. = Colocas. antiquor. S.
„ grandifol. Hook. = Philodendr. Hookeri. S.
„ haematostig. Hort. = Calad. pellucid. var. D.C.
„ heterophyll. Presl. = Colocas. heterophylla. Knth.
„ Indicum. Hort. = Alocasia et Leucocasia. S.
„ lividum. Lodd. = Asterostigm. sp. S.
„ luridum. Knth. = Asterostigm. sp. S.
„ maculatum. Lodd. = Dieffenbach. picta. S.
„ metallicum. Houtte. = Alocas. Ind. var. S.
„ nymphaeif. Griff. = Colocas. antiquor. S.
„ pallida. C. Koch. = Calad. asperulum. S.
„ petiolat. Hook. = Anchoman. Hookeri. S.
„ plumbeum. C. Koch. = Alocas. Ind. var. S.
„ pumilum. Don. = Gonatanth. sarmentos. Kl.
„ punctatum. Hrt. Paris. = Alocas. Ind. var. S.
„ striatip. S. Syn. = Acontias striatipes. S.
„ Virginic. Hook. = Peltandr. undulata. Raf.
„ zamiaefol. Lodd. = Zamioculc. Loddigesii. S.
Calla angustifol. Jack. = Chamaeclad. angustif. S.
„ calyptrat. Roxb. = Schismatogl. calyptrat. Zoll.
„ humilis. Jack. = Chamaeclad. humile. Miq.
„ nitida. Jack. = Aglaonema nitidum. Knth.
„ oriental. Gron. = Ischarum Carsaami. S.
„ virosa. Roxb. = Colocasia virosa. Knth.
Colocasia acris. S. Mel. = Colocasia antiquor. var. S.
„ Boryi. Knth. = Alocasia Indica. var. S.
„ cochleata. Miq. = Alocasia rugosa. S.
„ cucullata. S. Mel. = Alocasia cucullata. S.
„ esculenta. S. Mel. = Colocasia antiq. var. S.
„ euchlora. C. Koch. = Colocasia antiq. var. S.
„ Fontanesii. S. = Colocasia antiq. var. S.
„ fornicata. Hort. = Alocasia navicularis. S.
„ „ Knth. = Alocasia fornicata. S.
„ heterophyll. Zollg. = Alocasia longiloba. Miq.
„ humilis β. minor. Hssk. = Schismatogl. picta. S.
„ Indica. Hssk. = Alocasia macrorrhiza. S.
„ „ pr. prte. Hort. = Alocasia commutata. S.

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Colocasia Indica pr. prte. Hort. = Alocasia navicular. S.
„ „ „ „ „ = Leucocas. gigantea. S.
„ „ „ „ C. Koch. = Alocasia Indica. S.
„ „ „ „ Knth. = Alocasia Indica. S.
„ macrorrhiz. Knth. = Alocasia macrorrhiz. S.
„ metallica. Hort. = Alocasia Indic. var. S.
„ montana. Knth. = Alocasia montana. S.
„ mucronata. Kuth = Alocas. macrorrhiz.? S.
„ navicular. C. Koch. = Alocasia navicular. S.
„ nymphaeif. Knth. = Colocas. antiquor. var. S.
„ odora. Brongn. Knth. pr. parte. = Alocas. macrorrhiz et commutata pr. parte. S.
„ odora. Wight. = Alocasia commutata. S.
„ odorata. Hssk. = Alocasia Indica var. S.
„ odorat. β. pnrp. Hssk. = Alocas. Ind. var. S.
„ peregrina. S. Syn. = Alocas. macrorrhiza. S.
„ picta. Hssk. = Schismatogl. picta. S.
„ pruinipes. C. Koch. = Leucocas. gigantea. S.
„ pubera. Hssk. = Alocasia pubera. S.
„ pumila. Knth. = Govatanth. sarment. Kl.
„ rapiform. Knth. = Alocasia rapiform. S.
„ rugosa. Knth. = Alocasia rugosa. S.
Cryptocoryne miloc. Knth. = Cryptocoryne Roxburghii. S.
„ miloc. S. Bnpl. = Cryptocoryne. Wightii. S.
Cyrtocladon sanguinol. Griff. = Chamaeclad. sanguinol. S.
Cyrtospad. striatipes. C. Koch. = Acontias striatipes. S.
Dochafa flava. S. Gen. = Arisaema flavum. S.
Dracont. dubium. Knth. = Echidnium Schomb. S.
„ pertus L. = Monstera Adanson. S.
„ spinos. L. = Lasia Hermanni. S.
Dracunc. minor. Blume. = partim Helicodicer. crinitus. S.
„ „ „ = partim. Helicophyll. Drac. S.
Eminium Carsaam. S. Syn. = Ischarum Carsaami. S.
„ heterophyll. S. Syn. = Helicoph. Aucheri. S.
„ Rauwolffii. S. Syn. = Helicoph. Rauwolffii. S.
„ spiculat. S. Syn. = Helicoph. spiculat. S.
Goniurus Luzonens. Presl. = Pothos Luzonensis. S.
Hemicarpur. fornic. Nees. = Pinellia tuberifera. Tenore.
Heteropsis obliqua. Miq. = Monstera microstachya. S.
„ ovata Miq. = Monstera ovata. S.
„ Surinamens. Miq. = Monstera Surinamens. S.
Homalomen. alba. Hssk. = Alocasia alba. S.
„ calyptrat. Knth. = Schismatogl. calyptrat. S.
„ occulta. S. Mel. = Zantedesch. occulta. Spr.
„ rubra. Hssk. = Homalom. rubescens. Knth.
Hydnostach. brevirost. Liebm. = Spathiphyll. brevirostr. S.
„ cochlearisp. Liebm. = Spathiph. Liebmanni. S.
„ longirostre. Liebm. = Spathiphyll. longirost. S.

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Ischarum Alexandr. *S.* Syn. = Leptopetion Alexandr. *S.*
„ Lehmanni. *S.* Syn. = Eminium Ledebourii. *S.*
„ Sprunneri. *S.* Syn. = Cylleninm Sprunneri. *S.*
Lasia heterophyll. Zoll. = Lasia Zollingeri. *S.*
„ Merkusii. Hssk. = Cyrtosperma Merkusii. *S.*
Massovia lanceolata. C. Kch. = Spathiphyll. lanceolat. C. Kch.
Monstera Adans. Poepp. = Monstera Poeppigii. *S.*
„ amomifol. Poepp. = Stenospermat. amomifol. *S.*
„ angustifol. C. Kch. = Rhaphidoph. angustifol. *S.*
„ calloides Moritz. = Anepsias Moritziana. *S.*
„ cannaefol. Knth. pr. prt. = Spathiph. Bonpland. *S.*
„ „ *S.* Mel. = Philodendr. Rudgean. *S.*
„ caudata. C. Kch. = Rhaphidoph. caudata. *S.*
„ cuspidata. Gardn. = Philodendr. propinquum. *S.*
„ decursiva. C. Kch. = Rhaphidoph. decursiva. *S.*
„ deliciosa. Liebm. = Tornelia fragrans. Gutier.
„ dilacerata. C. Kch. = Tornelia dilacerata. *S.*
„ gigantea. C. Kch. = Epipremnum gigant. *S.*
„ glauca. C. Kch. = Rhaphidoph. glauca. *S.*
„ Lennea. C. Kch. = Tornelia fragrans. Gutier.
„ lingul. *S.* Mel. = Phllodendr. lingulatum. *S.*
„ „ I. C. Kch. = Philodendr. lingulat. *S.*
„ „ II. C. Kch. = Rhaphidoph. lingulat. *S.*
„ multijuga. C. Kch. = Rhaphidoph. decursiv. *S.*
„ occidental. C. Kch. = Alloschemone Poeppigii. *S.*
„ officinalis. C. Kch. = Scindapsus officinal. *S.*
„ Peepla. C. Kch. = Rhaphidoph. Peepla. *S.*
„ pertusa. C. Kch. = Monstera Milleriana. *S.*
„ picta. C. Kch. = Scindaps. pothoides. *S.*
„ pinnata. C. Kch. = Rhaphidoph. pinnata. *S.*
„ pinnatifid. C. Kch. = Rhaphidoph. pinnatifid. *S.*
„ punctulata. Klotzsch. = ? Anadendr. punctulat. *S.*
„ trijuga. C. Kch. Rhaphidoph. decursiv. *S.*
„ Warscewiczii. Hort. = Tornelia dilacerata. *S.*
Peltandr. undulat. *S.* Syn. = Peltandr. Virginica. Raf.
„ Virgin. *S.* Syn. = Peltandr. undulata. Raf.
Philodendr. arbor. Knth. = Montrichard. arborea. *S.*
„ bicolor. Klotzsch. = Philod. micans. Klzsch.
„ callaefol. Hort. = Philodendr. Imbé. *S.*
„ crinipes. C Kch. = Philodendr. squamifer. Poepp.
„ cuspidat. C. Kch. pr. prte. = Philod. Oxycard. *S.*
„ dilacerat. Hort. = Tornelia dilacerata. *S.*
„ eximium. C. Kch. = Philod. eximium. *S.*
„ Fontanes Knth. = Acontias bastaefolius. *S.*
„ fragrantiss. C. Kch. pr. prt. = Philod. linguaeform. C. Kch.
„ hastaefol. Regel. = Philod. hastatum. C. Kch.
„ hederaceum. Knth. pr. prt. = Philod. Jacquini. *S.*
„ Imbé. Hort. = Philod. latifolium. C. Kch.

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Philodendr. lacinios. = S. Mel. = Philod. pedatum. Knth.
„ latipes C. Kch. = Philodendr. fragrantiss. Knth.
„ macrophyll. C. Kch. = Philod. cardiophyll. S.
„ microphyll. C. Kch. = Philod. micans. Kl.
„ nigrum Knth. = Xanthosoma sp. S.
„ peregrin. Knth. =? Alocasia macrorrhiza. S.
„ pertusum Knth. = Tornelia fragrans. Gutier.
„ pinnatif. viresc. C. Kch. = Philod. pinnatisect. S.
„ planinerv. C. Kch. = Philod. crassinervi. Lndl.
„ punctat. Knth. = Alocas. Ind. var. S.
„ Riedelian. Hort. = Syngonium Riedelian. S.
„ sagittifol. S. Syn. = Philodendr. tanyphyll. S.
„ Saueran. C. Kch. = Philodendr. eximium.
„ Sellowian. Knth. = Philodendr. Imbé. S.
„ „ C. Kch. pr. prt. = Philodendr. latifol. C. Kch.
„ „ C. Kch. pr. prt. = Philod. linguaeform. C. Kch.
„ striatipes. Knth. = Acontias striatipes. S.
Pothos acaulis. Hook. = Anthur. Huegelii. S.
„ angustif. Miq. = Pothos Zollingeri. S.
„ „ Miq. olim. = Pothos Horsfieldii Miq.
„ Australasiae F. Muell. = Pothos longipes. S.
„ cannaeform. Knth. = Spathiphyll. Bonpl. S.
„ crassinerv. Hook. = Anthur. Hookerii. S.
„ Cuscuar. Gmel. = Cuscuaria marantifol. S.
„ hederac. Zoll. = Scindaps. hederacea. S.
„ elliptica Miq. = Pothos remotiflor. S.
„ heterophyll. Roxb. = Lasia heterophyll. S.
„ humilis. Poepp. = Anthur. humile. S.
„ laciniat. Galeott. = Anthur. podophyll. Knth.
„ Lasia Roxb. =? Lasia Herm. et Roxburgh. S.
„ marginat. Wall. = Anadendr. marginat. S.
„ parasitica Fl. Flum. = Anthur. Vellozian. S.
„ sagittaefol. Rudge. = Urospath. sagittaefol. S.
„ scandens. Lour. = Poth. macrostachyus. Moritzi.
„ tener. Wall. = Pothos gracilis Roxb.
Python. bulbif. S. Mel. = Conophall. bulbif. S.
„ ecaudat. Griff. = Arisaema sp. S.
„ Hookerii. Knth. = Anchoman. Hooker. S.
„ sp. Griff. Il. W. 941. = Arisaema sp. S.
„ „ „ II. Nr. 1040. = Arisaema sp. S.
„ „ „ III. p. 156. = Arisaema sp. S.
„ „ „ II. Nr. 1103. = Arisaema sp. S.
„ „ „ II. Nr. 1106. = Arisaema sp. S.
„ „ „ II. Nr. 1179. = Arisaema sp. S.
Rhaphidoph. lacera. Hassk. pr. prt. = Epipremn. mirabile. S.
„ „ „ pr. prt. = Rhaphid. pertusa. S.
Sauromat. ferox. Lind. = Anchomanes dubius. S.
„ guttat. B. Mag. = Sauromat. venosum. S.

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Sauromat. punctat. Hort. =? Conophall. punctulat. S.
„ venosum Kuth. = Sauromat. guttatum. S.
Schismatogl. calyptr. Zolling. = Schismatogl. longipes. Miq.
„ rupestris Zolling. = Apoballis neglecta. S.
Scindaps. angulal. Miq. = Rhaphidoph. angulata. S.
„ angustifol. Hssk. = Rhaphidoph. angustifol. S.
„ arborum. Presl. = Pothos macrostachyus Moritzi.
„ caudatus. S. Mel. = Rhaphid. caudata. S.
„ Cuscuaria Presl. = Cuscuaria marantifol. S.
„ decursiv. S. Mel. = Rhaphid. decursiva S.
„ „ Zolling. = Epipremn. mirabile. S.
„ dilacerat. C. Kch. = Tornelia dilacerata. S.
„ gigant. S. Mel. = Epipremn. gigant. S.
„ glaucus. S. Mel. = Rhaphidoph. glauca. S.
„ Haenkei. Presl. = Aglaonema Haenkei. S.
„ inaequilat. Presl. = Pothos Cumingii. S
„ lingulat. Hssk. = Rhaphid. lingulata. S.
„ marantifol. Miq. = Cuscuar. marantif. S.
„ medius. Zoll. = Anadendr. medium. S.
„ (Dendropothos), microstachyus. de Vriese et Miq. = Anadendr. montanum. S.
„ (Nothopothos) microstachyus. de Vriese et Miq. = Anadendr. montanum. S.
„ montanus. Zoll. = Anadendr. montanum. S.
„ occidental. Poepp. = Aloschemone Poeppig. S.
„ Peepla. S. Mel. = Rhaphidoph. Peepla. S.
„ pertusus. S. Mel. = Rhaphid. pertusa. S.
„ pictus. Zoll. = Scindaps. pothoides. S.
„ pinnatus. S. Melet. = Rhaphidoph. pinnata. S.
„ pinnatif. S. Mel. = Rhaphid. pinnatifida. S.
„ pothoides Miq. pr. prt. = Scindaps. hederac. S.
„ Rumphii. Presl. = Pothos Rumphii S.
„ sylvestris Kuth. = Rhaphid. angustifol. S.
„ tener Presl. = Poth. tener S. et P. gracil. Roxb.
Spathiphyll. Amazon. Spruce. = Urospath. sagittifol. S.
Stanrostigma odor. Schdw. = ? Asterostig. concinn. S.
Typhonium Cochinch. Blume = Calyptrocor. Cochinchin. S.
„ crassifol. Ledeb. = Eminium Ledebouri. S.
„ cuspidat. Decaisn = Heterostal. flagelliform. S.
„ discolor. Hssk. = Null. Typhonium. S.
„ divaricat. Kuth. in Blanco — quid?
„ diversifol. Wall. = Heterostal. diversifol. S.
„ flagellif. Wight. = Heterostal. flagellif. S.
„ hastifer. Miq. = Heterost. flagellif. S.
„ Huegelii S. Aroid. = Heterostal. Huegel. S.
„ minutum. S. Mel. = Calyptrocor. minuta. S.
„ Orixense. S. Mel. = Typhon. trilobatum. S.
„ Reinwardtian. de Vries. = Heterostal. flagellif. S.

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Typhonium triste. Griff. =? Typhon. trilobat. S.
Xanthosom. Caracu. C. Koch. = Xanthos. robustum. S.
„ conspurcat. S. Syn. Acontias conspurcat. S.
„ gracile. Miq. = Syngonium gracile S.
„ hastaefol S. Syn. = Acontias hastaefolius. S.
„ Jacquini. Poepp. = Xanthos. Poeppigii. S.
„ ianthin. C. Koch. = Xanthos violaceum. S.
„ plumbeum. C. Koch. = Alocasia Indica, var. S.
„ Riedelian. S. = Acontias Riedelian. S.
„ sagittaefol. C. Koch. = Xanthos. Mafaffa. S.
„ „ Hort. pr. prt. = Xanthos. robust. S.
„ nudipes. C. Koch. = Xanthos. Jacquini. S.
„ xanthorrhiz. C. Koch. = Xanthos. sagittaefol. S.
Zantedesch. Aethiopic. Spr. = Richardia Africana Kuth.
„ alba C. Koch. = Homalom. alba. S.
„ aromat. Spr. = Homalom. aromatic. S.
„ asperata C. Koch. = Philodendr. asperat. S.
„ calyptrat. C. Koch. = Schismatogl. calyptr. Zoll.
„ cordata. C. Koch. = Homalom. cordata Kuth.
„ foetida. C. Koch. = Homalom. cordata Kuth.
„ rubens. C. Koch. = Homalom. rubescens. Kuth.
„ virosa C. Koch. = Colocas. virosa. Kuth.