

Engelmann

PLANTÆ WRIGHTIANÆ,

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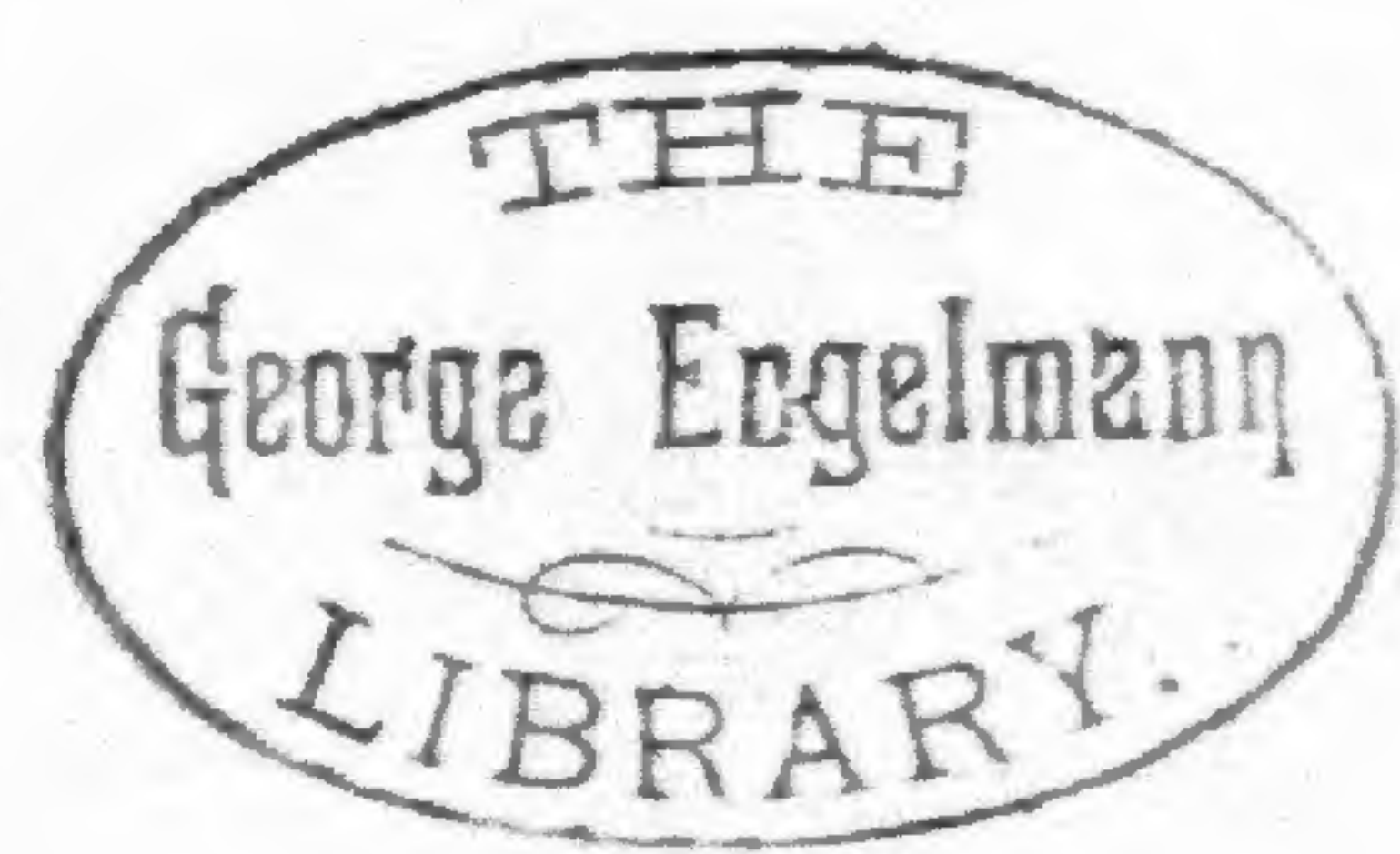
CUBA ORIENTALI,

A

A. GRISEBACH.

PARS I.

[Ex Mem. Acad. Amer. Scient. et Artium, N. Ser. Tom. VIII.]



CANTABRIGIÆ NOV. ANGL.

Dec. 1860.

VI.

Plantæ Wrightianæ e Cuba Orientali (Polypetalæ et Apetalæ), a

A. GRISEBACH.

(Read August 14, 1860.)

[THE collection of dried plants of which Professor Grisebach has here commenced to give the determinations, with diagnoses of the new genera and species, was made by Mr. Charles Wright, in the eastern part of the island of Cuba, partly in the years 1856 and 1857, and partly in 1859 and the beginning of 1860. The specimens were mainly gathered in the high country and mountains behind Santiago de Cuba and Cobre (mostly within a moderate distance of *Filanthropia*, the hospitable country residence of George Bradford, Esq.), and especially in the elevated district back of Santa Catalina de Guantanamo, where the collector's principal station was *Monte Verde*, a coffee-plantation and residence of the most estimable and hospitable M. Lescaille; from which place as a centre Mr. Wright is still prosecuting and extending his herborizations. That the field is a rich and promising one, the great number of interesting and new species, enumerated in this and the following papers, abundantly show. In the distribution of these materials, the fullest set of the collection of 1856-57 was assigned to Professor Grisebach, in order that they might be studied by him, along with the materials of his *Flora of the British West Indian Islands*, now in course of publication. This set, enriched by the collector's valuable memoranda, was unfortunately lost on its way to Göttingen. As it could be only partially replaced, certain species of the first distribution have not been examined by Dr. Grisebach. Such of these species as I could name, more or less confidently, I have ventured to intercalate, always enclosing such additions, and other brief annotations I have had occasion to make, within brackets. When extracts from Mr. Wright's memoranda are given, they are placed within quotation-marks. Determinations of the *Monopetalæ*, &c. will follow.—ASA GRAY.]

RANUNCULACEÆ.

CLEMATIS DIOICA, L. (No. 1, 2.)

CLEMATIS FLAMMULASTRUM, Griseb. (n. sp.): scandens, superne pubescens; foliis bis vel semel ternatisectis, segmentis parvis (6-2 lin. longis) ovato-lanceolatis integerrimis

glabrescentibus; corymbis 5-(3-1-) floris; floribus albis hermaphroditis; sepalis cuneato-oblongis expansis pubescentibus (4-6 lin. longis); antheris filamentis multo brevioribus; ovarii plumosis. — Habitus *C. Flammulæ*, quæ sepalis juxta marginem glabris et antheris elongatis differt; antheris nostra cum *C. dioica*, L. convenit. (1561.)

MAGNOLIACEÆ.

ILLICIUM PARVIFLORUM, Michx. — “In monte Loma del Gato dicto; Dec. Frutex 10-pedalis, petalis virido-luteis, staminibus rubris.” (3.)

TALAUMA PLUMIERI, DC. “Arbor minor: sepala rubescentia: petala alba.” (1100.)

ANONACEÆ.

UVARIA NEGLECTA, Rich. — “Arbor mediocris, sylvicola, ramis strictis, floribus viridibus seu viridi-luteis.” Petala velutina, oblonga, semipoll. longa. Specimina a descr. Rich. paullo recedunt foliis angustioribus obtusis, carpidiis monospermis. Semina ut in *U. Brasiliensi*, sed arillo destituta. (1103.)

OXANDRA LAURIFOLIA, Rich. Cub. t. 8. “Flores albi: fructus viridis.” (4, 489, 1101.)

OXANDRA VIRGATA, Rich. — Syn. *O. punctuata*, C. Wright, mscr. “Vulgo Lancewood. Arbor parva, foliis eximie punctatis, floribus albis.” (1102.)

[ANONA MURICATA, L. (5.)]

MENISPERMACEÆ.

COCCULUS DOMINGENSIS, DC. (1105, florif.) [23, fructif.]

CISSAMPELOS PAREIRA, L. (21.) Var. γ . *C. Caapeba*, L. (22.)

PAPAVERACEÆ.

[BOCCONIA FRUTESCENS, L. (6.)]

CRUCIFERÆ.

NASTURTIUM OFFICINALE, R. Br. (7.)

NASTURTIUM BREVIPES, Griseb.: annuum; caule brevi folia rosulata subæquante subaphyllo; foliis pinnatisectis, segmentis oblique subrotundis obtusilobis subæqualibus; floribus parvis pedicellatis; siliquis oblongo-linearibus pedicello quadruplo longioribus

(3 – 4 lin. longis); stigmatē subsessili. — An *N. palustre*, *ε brevipes*, DC.? e Portorico. “In humidis ad vias prope Santa Catalina de Guantanamo, Jan. — Feb. Flores luteoli.” (1562.)

CAPPARIDÆ.

- [CLEOME POLYGAMA, L. (9.)] CAPPARIS CYNOPHALLOPHORA, L. (10.)
 [CAPPARIS JAMAICENSIS, Jacq. Syn. *C. emarginata*, Rich. (9^a.)]
 [CAPPARIS AMYGDALINA, Lam. (9^b.)] MORINGA PTERYGOSPERMA, Gærtn. (1588.)

BIXINÆ.

LUNANIA GRAYI, Griseb. (Pl. Amer. Trop. p. 26): foliis ellipticis obtusiusculis basi acutis et e basi ipsa trinerviis; pedicellis flore longioribus supra basin articulatis cum axi racemi puberulis; stigmatē obtuso subintegro. (1110.) [Etiam 468? coll. 1856 – 7. “Arbor parva, gracilis, sylvicola.”]

LUNANIA RACEMOSA, Hook. “Arbor gracilis, 30 – 50-ped., floribus albidis.” (1563.)

XYLOSMA INFESTUM, Griseb. (n. sp.): spinis gracilibus patentissimis folio duplo brevioribus; foliis coriaceis glabris ovalibus obovatis oblongisque obtusiusculis subsessilibus superne obtuse serratis, serraturis paucis distantibus; floribus dioicis fasciculatis; pedicellis paucis brevibus flori æquilongis; calyce 5-partito, segmentis ciliolatis; staminibus 12 – 16 breviter exsertis; stylis 3; bacca ovata acutiuscula. — Frutex, “floribus viridulis, baccis rubris,” a *H. nitido*, As. Gr. differt foliis rigidis, petiolo brevissimo, et spinis. “In præruptis prope villam Nouvelle Sophie.” (1109.)

[Species sequentes duas imperfecte cognitās, a cl. Grisebach omissas, addo: —

[XYLOSMA BUXIFOLIUM, A. Gr. (n. sp.): inerme, glabrum; foliis obovatis retusis rigide coriaceis integerrimis margine revolutis, venis fere obsoletis; floribus dioicis fasciculatis, masculis ignotis, fœmineis calyce 4 – 5-partito, segmentis angustis acutis eciliatis pedicellis multo brevioribus; ovario 4-ovulato, stigmatē sessili bifido; bacca ovata. — “Prope Monte Verde, Dec. Frutex circa 10-pedalis.” Folia cum petiolo brevi subpollicaria, obtusissima vel retusa, lævia sed opaca. Pedicelli pauci, $1\frac{1}{2}$ – $2\frac{1}{2}$ lin. longi. Calyx parvus, fere $\frac{1}{3}$ lin. longis. Discus annularis crassiusculus. Ovarium ovatum, placentis 2 biovulatis. Bacca 3 lin. longa, 1 – 2-sperma. (1465.)

[XYLOSMA SCHÆFFERIOIDES, A. Gr. (n. sp.): inerme, glabrum; foliis obovato-cuneatis retusis subintegerrimis utrinque lineato-venosis; floribus dioicis fasciculatis, fœmineis ignotis, masculis calyce 4-partito, segmentis ovato-rotundis ciliatis; staminibus 12 – 16

longe exsertis pedicello duplo brevioribus. — “In scopulosis prope Monte Verde, Aprili. Arbor sat magna, trunco pedem diametro; flores flavidi.” Folia pollicaria vel sesquipollicaria, obtusissima, sæpius retusa vel emarginata, nunc obliqua seu repando-undulata, supra nitidula, subtus pallida, utrinque venis gracilibus prominulis ascendentibus anastomosantibus, modo *Schafferia* sed crebrioribus strictioribus, percursa: petiolo $1\frac{1}{2}$ – 2 lin. longo. Pedicelli masculi in fasciculo plures, 3 lin. longi. (1464.)]

LÆTIA TERNSTRÆMIOIDES, Griseb. (n. sp.): foliis coriaceis obovato-oblongis integerrimis obtusis vel emarginatis petiolatis glabris; corymbis pedunculatis axillaribus 3 – 7-floris; sepalis 7 – 8, interioribus (4 – 5) petalinis; fructu velutino ovoideo-globoso; placentis 3. — “Frutex 10-pedalis, seu arbor gracilis 15 – 20-pedalis, flores albi,” habitu *Ternstræmiæ*, affinis *L. Thamniæ*, Sw.: folia punctis et lineolis pellucidis notata. (1107.)

THIODIA LÆTIOIDES, Griseb. Fl. Ind. Occ. 1, p. 22. “Arbor 40-pedalis; folia subcomplicata; flores viriduli.” Placentæ in fructu demum trivalvi valde incrassatæ, “succo viscido”; semina arillata. (1108, fl., 1111. fr.)

TRILIX (PROCKIA) CRUCIS, Griseb. Pl. Carib. p. 17. (11.)

VALENTINIA ILICIFOLIA, Sw. (12.)

CASEARIA SYLVESTRIS, Sw. (17.) Var. foliis subopacis. (1112.) [594 = 17. 595, inter 17 et 1112.]

CASEARIA STIPULARIS, Vent. [Fruct. in coll. 1859 – 60 globosus, parvus.] (16.)

CASEARIA HIRTA, Sw. (15.) Vars. glabriores vel glabellæ. (13^a, 18.) [Huc forte no. 14.]

GUIDONIA SPINESCENS, Griseb. Fl. Ind. Occ. 1, p. 24. (13, fl. in coll. I.; fr. in coll. II.)

[SAMYDA SERRULATA, L. ? ex char. (19, fr.)]

VIOLACEÆ.

HYBANTHUS HAVANENSIS, Jacq. (114.)

IONIDIUM STRICTUM, Vent. (20.)

POLYGALÆÆ.

POLYGALA ANGUSTIFOLIA, H. B. K. (112.)

PHLEBOTÆNIA, n. gen. Sepala 5, bina lateralia multo majora, colorata. Petala 3. Stamina monadelphæ, 8: antheræ uniloculares, foramine rotundo introrso-terminali. Stylus lingulatus, labio stigmatis inferiori distante. Fructus ignotus. — Frutex glaber,

habitu *Polygalæ*; folia coriacea, venis rectis utrinque prominulis valde approximatis reticulato-striata; racemi breves axillares; pedicellis cum sinu rhacheos articulatis; bracteolis deciduis. — *A. Polygala* differt staminibus monadelphis et poro antheræ introrsum declivi.

PHLEBOTÆNIA CUNEATA, Griseb. — Syn. *Polygala cuneata*, Griseb., in litt. olim. Folia rigida, cuneato-spathulata, apice emarginato-subtruncata, pollicaria, venis crassiusculis trabeculis distantibus invicem connexis. Racemi folium subæquantes, subsessiles, axi puberulo crassiusculo, sinubus denticulato; pedicellis 3–4 lin. longis florem subæquantibus. Sepala minora oblonga; alæ petala includentes, ovales, roseæ, illis quadruplo majores. — Prope urbem Santa Catalina de Guantanamo, 1856. (113.)

BADIERA DOMINGENSIS, DC. (115.)

SECURIDACA VIRGATA, Sw. (1175.)

SECURIDACA LAMARCKII, Griseb. Fl. Ind. Occ. 1, p. 30. (116.)

EUPHORBIACÆ.

TRICERA GLOMERATA, Griseb. (n. sp.): foliis glaucescentibus elliptico-lanceolatis mucronato-acutiusculis (pollicem longis); floribus glomeratis; petiolo pedunculum brevissimum superante; calycis ♂ segmentis ovatis filamenta brevia multo superantibus; ovario e calyce ♀ exserto stylis longiori. — “Frutex 3–4-pedalis in scopulis prope Nouvelle Sophie villam, Oct.” (1676.)

HIERONYMA CLUSIOIDES, Griseb. — Syn. *Stilaginella*, Tul. (580.)

SAVIA SESSILIFLORA, W. — Syn. *Phyllanthus laurifolius*, Rich. (587, 588, 1674.)

SAVIA ERYTHROXYLOIDES, Griseb. (n. sp.): ramulis glabris; foliis coriaceis obovatis v. ovalibus obtusis margine integerrimo revolutis glabris; ovario pubescente; stigmatibus brevibus reflexis bipartitis, segmentis crassiusculis. — “Frutex 6–10-pedalis, patens, in sylvis umbrosis pr. Monte Verde.” — Eandem speciem pr. Matanzas fruticemque 4-pedalem dixit Rugel. A præcedente differt glabritie ramulorum, foliis rigidis basi attenuatis, capsula juniore pubescente. Flores dioici, in axillis glomerati. Calyx 5-partitus. Petala 5, in ♂ partim aut omnino abortiva. Discus minutus, 5-lobus. Stamina 5: rudimentum pistilli in ♂ 3-partitum vel minutum. Capsula tricoeca; coccis dispermis, seminibus lævibus ecarunculatis. (♂ 1434, ♀ 1433.)

DRYPETES GLAUCA, Vahl. “Fructus ruber.” (593.)

CICCA ANTILLANA, Juss. Var. α , GLAUDESCENS, foliis subtus glaucis. [*Cicca scandens*, C. Wright in sched. “Climbing to the height of 30 to 50 feet, and spreading about among the branches of trees. La Perla, Monte Verde, Aug. 22.”] (1437.)

Var. β . VIRENS; foliis concoloribus. "Frutex 5-10-pedalis; floribus viridi-flavis; fructu albido." (583, 584.)

Var. γ . PEDICELLARIS; foliis subtus glaucescentibus; baccae pedicello longiori (3-4 lin. longo). "Arbor gracilis, 40-pedalis. Nouvelle Sophie, Oct. Semina caeruleo-purpurea." (584^a.)

PHYLLANTHUS NUTANS, Sw. (582, 1436, partim: specimina floribus majoribus.)

PHYLLANTHUS NIRURI, L. (590, [591,] 1675.)

PHYLLANTHUS (ANISONEMA) JAMAICENSIS, Griseb. Fl. Ind. Occ. 1, p. 34. (1436, partim,* specimina floribus minoribus.)

PHYLLANTHUS (ANISONEMA) MYRTILLOIDES, Griseb. (n. sp.): fruticosus; foliis obovato-rotundatis saepe mucronatis glabris subtus glaucis breviter petiolatis; stipulis e basi lanceolata setaceis marcescentibus; pedicellis subsolitariis paucisve fasciculatis folium dimidium subaequantibus; floribus utriusque sexus mixtis; calycis segmentis 6 ovalibus; staminibus 3 exterioribus distinctis columnam aequantibus; columna centrali breviter trifida triandra; antheris breviter ovatis rima longitudinali dehiscentibus; stylo gracili ad medium trifida; stigmatibus breviter bidentatis; capsula globosa. — Habitus et magnitudo floris ut in *P. nutante*. Folia 10-4 lin. longa. Character sectionis *Anisonematis* columna integra aut breviter trifida amplificandus est. "Frutex diffusus, 6-9-pedalis. Fl. masc. albi, foem. albid. Prope Monte Verde, Dec." (1438.)

PHYLLANTHUS (ASTERANDRA) JUGLANDIFOLIUS, W. (586.)

PHYLLANTHI sp. aut var., specimina tantum ♀ indeterminata, sunt 1430, 1431, 1432: "arbusculæ."

JATROPHA HASTATA, Jacq. (575.)

[JATROPHA GOSSYPIFOLIA, L. 576.]

[ALEURITES TRILOBA, Forst. Arbor Oceanica, nunc in Antillis spontanea. (577.)]

CROTON (CASCARILLA) STENOPHYLLUS, Griseb. (n. sp.): ramulis foliisque subtus flavescenti-tomentosis, his anguste linearibus acuminatis vel apice obtusiusculis integerrimis supra verruculoso-scabris basi eglandulosis in petiolum brevem attenuatis, venis crassiusculis obliquis supra saepe impressis subtus prominulis; racemis terminalibus; seminibus oblongis. — "Frutex gracilis, 6-10-pedalis, prope Cobre et Nouvelle Sophie. Stamina alba." (560, 1669.)

CROTON (CASCARILLA) VIMINALIS, Griseb. (n. sp.): ramulis foliisque subtus luteolepidotis, his lineari-lanceolatis obtusiusculis integerrimis supra glabris basi eglandulosis

* [Magna pro parte.]

breviter petiolatis, venis crassiusculis transversis supra impressis subtus sæpe prominulis; racemis terminalibus; seminibus oblongis. — “Frutex gracilis, 6–12-pedalis, floribus albidis; pr. Monte Verde.” (565.)

CROTON (CASCARILLA) DISCOLOR, W. “Prope Santa Catalina de Guantnamo.” (564.)

CROTON (CASCARILLA) PACHYSEPALUS, Griseb. (n. sp.): ramulis scabro-pubescentibus; foliis parvis oblongo-lanceolatis obtusiusculis inæqualiter eroso-crenatis supra stellato-pubescentibus subtus tomentosis basi biglandulosis, glandulis subsessilibus, petiolo crassiusculo; racemis paucifloris in ramulo brevi terminalibus subsessilibus; calycis ♀ segmentis incrassatis. — Affinis *C. betulino*, Vahl. “In collibus prope Cobre; fruticosa.” (559.)

CROTON (CASCARILLA) CORYLIFOLIUS, Lam. (566.)

CROTON (ASTRÆOPSIS) LUCIDUS, L., var. GLANDULIFERUS, Vahl. (567.)

CROTON (LASIOGYNE) ASTROITES, Ait.: forma depauperata, stylis minus divisis. (1670.)

CROTON (MICROCROTON*) SERPYLLOIDES, Griseb. (n. sp.): caulibus suffruticosis cæspitose decumbentibus filiformibus foliosis foliisque stellato-pubescentibus (v. demum glabrescentibus), his minutis orbicularibus integerrimis breviter petiolatis (2–1 lin. diam.); racemis paucifloris monoicis (v. abortu sexu distinctis) floribus ♂ superioribus 2–5, ♀ subsolitario longius pedicellato. (Eandem speciem prope Havanam leg. Greene, ej. coll. 7.) 569.)

[CROTON sp. indeterminata. Specimina pauca, manca. (563.)]

[CROTON (GEISELERIA) GLANDULOSUS, L. (568.)]

ARGYTHAMNIA CANDICANS, Sw. Styli variant 2–3-partiti. (570.)

ADELIA RICINELLA, L. (581, 1435.)

BERNARDIA VENOSA, Griseb. (n. sp.): foliis lanceolatis ovatisque obtusiusculis margine calloso crenato-serratis supra glabris subtus in reticulo venarum prominulo ramulisque strigosis stellatoque-pubescentibus; amentis ♂ abbreviatis petiolo tomentoso brevioribus sessilibus, calyce tripartito; amentis ♀ breviter pedunculatis, calyce biserialiter 6-partito, stylis 3–4-partito-laceris. — Differt a *B. carpinifolia* foliis inter venas

* Sectio MICROCROTON. Calyx 5-partitus, valvaris. Petala in ♂ 5, in ♀ nulla. Stamina 5, petalis opposita. Ovarium glandulis 5 calyci oppositis cinctum: styli 4-partiti, apice involuti. Semina ovalia, subcompressa, rhaphe distincta, caruncula minuta. — Habitus *Codonocalycis*; folia exstipulata; racemuli terminales vel laterales.

secundarias prominulas glabratis, serraturis crebris callosis, pube rigente. Glandulæ in foliis subtus ocellatæ nunc sparsæ, nunc deficient. “Prope Monte Verde. Frutex ultra-orgyalis, floribus viridibus.” (1425.)

BERNARDIA INTERMEDIA, Griseb. (n. sp.): foliis ovato-lanceolatis obtusiusculis margine calloso crenato-serratis supra scabriusculis subtus ramulisque molliter stellato-pubescentibus, reticulo venarum prominulo; amentis ♂ petiolum æquantibus subsessilibus, calyce tripartito; capsulis solitariis subsessilibus. — Venis secundariis subtus prominulis cum *B. venosa*, pube cum *B. carpinifolia*, Griseb. convenit. — “Frutex 8–12-pedalis, in scopulosis prope Nouvelle Sophie, Nov.” (1671.)

LEUCOCROTON (n. gen.) WRIGHTII, Griseb. Pl. Amer. Trop. p. 21. — Syn. *Croton Wrightii*, Griseb. olim. “Arbuscula, in sylvis densis prope Monte Verde; Maio 2, Junio 17.” (561, 562, 1424.)

ALCHORNEA LATIFOLIA, Sw. (579, 1668.) ACALYPHA ALOPECUROIDES, Jacq. (571.)

ACALYPHA REPTANS, Sw. (1426, 1672.)

[ACALYPHA, sp. foliis parvis. Var. præcedentis? (572.)]

PLATYGYNE URENS, Merc. — Syn. *Acanthocaulon pruriens*, Kl. (557.)

TRAGIA VOLUBILIS, L. (558, 1423.)

SAPIUM LAURIFOLIUM, Griseb. Fl. Ind. Occ. 1, p. 49. (578.)

SAPIUM ADENODON, Griseb. (n. sp.): foliis obovatis vel rhombeis obtusiuscule apiculatis basi exquisite cuneatis supra basin margine glandulifero regulariter glanduloso-serratis lævibus minutissime pellucido-punctatis, venis inconspicuis, petiolo eglanduloso; stipulis cordato-subrotundis; spicis ♂ axillaribus interruptis, calyce bifido, filamentis 2 e basi monadelphæ divergentibus; pedunculis ♀ (in distinctis ramis) bracteiferis in florem terminalem abeuntibus, stylis abbreviatis. — “Frutex gracilis, orgyalis et ultra, in præruptis prope Monte Verde, Aug.” (1428.)

DITTA, n. gen. Flores ♂ —, ♀ nudi, glomerati. Ovarium biloculare, loculis uniovulatis, ovulis pendulis: stigmata 4, sessilia, conica, nuda. Pericarpium subdrupaceum, endocarpiis binis lignosis rugosis ab epicarpio tenui et septo solutis. Semina — Frutex resinosis, habitu *Myricæ*, glaber: folia glandulis marginalibus *Sapii* instructa: flores sessiles in axillis congesti. — Genus *Bonaniæ*, Rich. Cub., a cl. Baillon ad *Sapium* reductæ, affine videtur florem situ: a stylis in duplicem conum ad basin divisis nominantur.

DITTA MYRICOIDES, Griseb. — Folia approximata, lanceolata, obtusiuscula, superne

repando-denticulata, basi in petiolum brevem attenuata, bi-sesquipollicaria: stipulæ nullæ vel sub resina effluente inconspicua. Ovaria bracteis subrotundis (v. calycis rudimento?) distincta, lineam longa, 5 vel pauciora in plerisque axillis; stigmatibus margine protrusis divergentibus obtusiusculis. Drupa subglobosa 2 lin. diametro. "Prope Monte Verde, Jan. 3. Frutex vel arbuscula." (1429.)

[EXCÆCARIA (GYMNANTHES) LUCIDA, Sw. (585, fructif.)]

EXCÆCARIA (SEBASTIANA) PALLENS, Griseb. (n. sp.): glabra; foliis coriaceis lanceolatis supra basin remote serrulatis vel subintegris basi attenuata supra canaliculata a petiolo distinctis; amentis androgynis folio duplo brevioribus interruptis breviter pedunculatis; bracteis ♂ margine incurvo glandulosis trifloris; floribus tri-(2-4-)andris, centrali squamulis 4 angustis stipato, antheris breviter exsertis filamentum subæquantibus; floribus ♀ 1-2 in basi amenti sessilibus aliisque ex distinctis axillis pedicellatis solitariis; stylo tripartito; capsulæ valvis coriaceis apice cohærentibus; seminibus ovoideo-globosis, caruncula obsoleta. — "In scopulosis prope Monte Verde. Frutex patens, 6-10-pedalis." (1427.)

EXCÆCARIA ERYTHROSPERMA, Griseb. (n. sp.): glabra; foliis lanceolatis vel elliptico-lanceolatis supra basin remotiuscule glanduloso-serrulatis; amentis —; seminibus semi-ovoideis facie interiori convexis arillo rubro inclusis, caruncula obsoleta. — Similis *E. lucidæ*, semine rubro et caruncula evanida distincta. — "In monte La Guinea, Dec. Frutex 10-15-pedalis." (1673.)

PEDILANTHUS LINEARIFOLIUS, Griseb. (n. sp.): foliis elongato-linearibus basi attenuatis apice mucronatis (3-4-pollicaribus, lin. 2 fere latis); pedunculis umbellatis vel cymosis; bracteis 2 ovatis involucrum ante anthesin includentibus; involucre æquali apice truncato uniglanduloso, glandula maxima rotundata, appendice dorsali foveata crasse marginata labiiformi, margine apice emarginato inferne in calcar brevissimum apice subdidymum producto; ovario exserto; capsula lævi. — Sectionem generis involucre truncato distinctam format magisque quam genera Klotzschiana a cæteris recedit. — "In scopulosis ad Nouvelle Sophie, Nov. Fruticosa, 6-9-pedalis, bracteis involucrisque rubellis." (1677.)

EUPHORBIA DIOICA, H.B.K. (547.) EUPHORBIA PROSTRATA, Ait. (548, 549.)

EUPHORBIA PILULIFERA, L. (550, 551.) EUPHORBIA HYPERICIFOLIA, L. (552, 1422.)

EUPHORBIA HETEROPHYLLA, L. var. PRUNIFOLIA, Jacq. (554.)

EUPHORBIA PUNICEA, Ait. [Semina globosa, lævia, opaca, albida-variegata, caruncula haud manifesta.] (556.)

EUPHORBIA aff. *E. heterophyllæ*, L. in DC. Prodromo a cl. Boissier mox edenda. (555.)

EUPHORBIA MONANTHA, C. Wright, mscr., a cl. Boissier describenda. "Inter saxa in rivis desiccatis prope Monte Verde, Junio. Radix tuberosa." (1421.)

[EUPHORBIA, sp. aphylla, articulata, siccitate ramulis acutissime pluricostatis. (553.)]

Caryophyllæ m. sp.

CARYOPHYLLÆ.

DRYMARIA CORDATA, W. var. DIANDRA. (24.) [CYPSELEA HUMIFUSA, Turp. (596.)]

MOLLUGO NUDICAULIS, Lam. (25.) TALINUM PATENS, W. (26.)

PHYTOLACCEÆ.

PHYTOLACCA OCTANDRA, L. (1392.) PHYTOLACCA ICOSANDRA, L. (470.)

RIVINA LÆVIS, L. et vars. (469.) RIVINA OCTANDRA, L. (471.)

PETIVERIA ALLIACEA, L. (1391.)

AMARANTACEÆ.

IRESINE CELOSIODES, Linn. (474.) [IRESINE ELATIOR, Rich. (473.)]

[IRESINE (PHILOXERUS) SERPYLLIFOLIA, Moq. ex char. (475.)]

[CHAMISSOA ALTISSIMA, H.B.K. (472.)]

WÆHLERIA SERPYLLIFOLIA, Griseb., Pl. Amer. Trop. p. 10.* "Prope Monte Verde in fissuris rupium." (1396.)

NYCTAGINEÆ.

BÆRHAAVIA SCANDENS, L. (467.)

PISONIA NIGRICANS, Sw.! (non alior.) Syn. *P. pedicellaris*, Griseb. olim. (465 pro parte, 466.)

[PISONIA ACULEATA, L. (465 pro parte, coll. 1856-7, 1859-60, fruct. glandulis pedicellatis ornato.)]

* "WÆHLERIA, n. gen. Calyx tribracteolatus, quadrisepalus, sepalis subæqualibus lana destitutis. Stamen unicum, hypogynum, sepalorum alteri interiorum oppositum; filamentum filiformi basi minute bidentato; anthera subglobosa uniloculari. Ovarium uniovulatum: stigmata 2, filiformia, sessilia. Pericarpium utriculare. — Herba minuta, filiformis, diffusa, radicans, glabra, habitu *Illecebræ* v. *Lithophilæ*; folia opposita, subrotunda, petiolata; capitula in ramulis terminalia, alba, minuta, demum oblongata, pedicellata; sepalis scariosis bracteis multo superantibus." Griseb. l. c.

PISONIA OBTUSATA, Sw., var. RUFESCENS: foliis junioribus subtus cymisque rufo-tomentosis. — “Arbor sat magna, floribus viridulis.” (464.)

MALVACEÆ.

MALVASTRUM SPICATUM, As. Gr. Bot. Pacif. Expl. Exped. 1, p. 147. (27.)

SIDA CARPINIFOLIA, L. (1115.) Var. BREVICUSPIDATA, Griseb. Fl. W. Ind. (1565.)

SIDA GLOMERATA, Cav. (1566.) SIDA JAMAICENSIS, L. (29.)

SIDA RHOMBIFOLIA, L. (1116.) [SIDA SPINOSA, L. (28.)]

SIDA URENS, L. (1564, 30^a.) SIDA HEDERIFOLIA, Cav. (1567.)

SIDA PANICULATA, L. (1569.) SIDA PYRAMIDATA, Cav. (1570.)

[SIDA ULMIFOLIA, Cav., forma subglabra. (30.)]

SIDA NERVOSA, DC. Lusus pedicellis infra medium articulatis. (1568.)

SIDA CORDIFOLIA, L., var. S. ALTHÆIFOLIA, Sw. (31.)

[ABUTILON (WISSADULA) PERIPLOCIFOLIUM, Don. (32.)]

ABUTILON (BELCERE) CONFERTIFLORUM, Rich. Cub. (1572.)

ABUTILON (BELCERE) PERMOLLE, Don. (1571.)

[MALACHRA CAPITATA, L. var. ALCEIFOLIA, Griseb. (36.)]

MALACHRA RADIATA, L. (35, 1573.) URENA SINUATA, L. (1114.)

PAVONIA TYPHALEOIDES, H.B.K. Syn. *P. Pseudotyphalea*, Griseb. olim. Arista media quandoque breviori a forma vulgari recedit. “Flores albi.” (33.)

PAVONIA SPINIFEX, Cav. (34.) Var. involucello calycem excedente 6 – 10-phyllo. (1113.)

HIBISCUS (KETMIA) CRYPTOCARPUS, Rich. Cub. “Fruticosus, ultraorgyalis, corolla atro-rubra.” (1575.)

HIBISCUS (BOMBICELLA) PHÆNICEUS, Jacq. non. Cav. (1574.)

THESPESIA POPULNEA, Cav. (1576.) PARITIUM TILIACEUM, A. Juss. (37.)

BOMBACEÆ.

CARPODIPTERA, n. gen. — Calyx bi – trifidus, persistens, lobis subinæqualibus valvatis. Petala 5, hypogyna, sinistrorsum contorta, late unguiculata, bina majora. Stamina

16 – 13, hypogyna, basi monadelpha; filamentis inæqualibus; antheris unilocularibus terminalibus reniformibus seu obliquis sursum vel introrsum dehiscentibus. Ovarium liberum, sessile, biloculare, loculis uniovulatis; ovulis supra medium loculum affixis pendulis: stigmata 2, sessilia, effigurata, crenato-multilobulata. Samara bilocularis, carpidiis utrinque latere (ad modum *Hireæ*) alatis, alis 4 divergentibus. Semina compressa, orbicularia, apicibus comata; testa coriacea. — Arbor, ramulis petiolisque stellato-puberulis; foliis glabrescentibus subpenninerviis ovato-oblongis acuminatis basi 5-nervi minute subcordatis integerrimis; stipulis deciduis; cymis pedunculatis corymbiformibus axillaribus; calyce stellato-tomentoso; corolla rubra [seu “pallide purpurea”] glabra. — Genus ovulis pendulis heteroclitum, *Myrodiæ* paullisper affine.

CARPODIPTERA CUBENSIS, Griseb. — Folia 2 – 3-pollicaria, cymas duplo superantia, petiolo 6 – 4 lin. longo. Calyx subglobosus, lineam latus, petalis majoribus duplo superatus. Stamina inclusa, ovarium æquantia. Carpodia samaræ connexa, calycem duplo superantia, alis semi-obovatis stellato-expansis 8 lin. longis. “Arbor 30 – 50-pedalis, in sylvis prope Santa Catalina, in declivibus prope villam Nouvelle Sophie dictam, Aug. et Oct.” (1117.)

OCHROMA LAGOPUS, Sw. (38.)

BUETTNERIACEÆ.

GUAZUMA TOMENTOSA, H.B.K. (47.)

BUETTNERIA MICROPHYLLA, L. (41.)

MELOCHIA TOMENTOSA, L. (40.)

[MELOCHIA NODIFLORA, Sw. (39.)]

[WALTHERIA AMERICANA, L. (42.)]

TILIACEÆ.

TRIUMFETTA SEMITRILOBA, L. (43.)

TRIUMFETTA GROSSULARIFOLIA, Rich. (44.)

CORCHORUS SILIQUOSUS, L. (45.)

MUNTINGIA CALABURA, L. [Ex cl. Wright “Placentæ axiles inter se liberæ.”] (46.)

SLOANEA CURATELLIFOLIA, Griseb. (n. sp.): ramulis petiolis stipulisque puberulis; foliis ovali-oblongis (6 – 8 unc. longis) sinuato-denticulatis glabris, petiolo apice tumido (8 – 12 lin. longo), stipulis elongato-acuminatis deciduis; pedicellis lateralibus; calyce persistente 5-partito velutino, segmentis ovatis vel ovato-subrotundis ovario brevioribus; staminibus —; stylo trifido, ramis filiformibus acutis erectis; capsula ovoidea setis ejus diametrum transversalem superantibus pubescentibus rectiusculis. — “Arbor excelsa, *Achiote* incolarum, in sylvis prope Monte Verde, Jan.” (1118.)

SLOANEA AMYGDALINA, Griseb. (n. sp.): ramulis puberulis glabrescentibus; foliis parvis (sesqui – bipollicaribus) obovato-oblongis leviter emarginatis superne subcrenato-repandis glabris, petiolo æquali (4 – 2 lin. longo); stipulis deciduis; pedunculis axillaribus bifidis; pedicellis æquilongis; calyce 4-partito intus velutino, segmentis deltoideis; staminibus pubescentibus breviter exsertis, filamentis brevissimis, antheris oblongo-linearibus infra mucronem terminalem subrecurvum loculo triplo breviorum foramine ovali dehiscentibus; stylo brevi simplici apice incurvo obtusiusculo; ovario setuloso; capsula —. Affinis *S. quadrivalvi*, Seem., “per exsiccationem amygdalas amaras spirat.” [Capsula globosa, quadrivalvis, setulis brevissimis creberrime vestita.] “Arbor magna, trunco basi in laminis latis excurrente. Prope Monte Verde in sylvis; Junio.” (1119.)

RHAMNEÆ.

COLUBRINA FERRUGINOSA, Brongn. (1139.) COLUBRINA RECLINATA, Brongn. (76.)

ZIZYPHUS HAVANENSIS, H.B.K. Specim. fructif. (1298.)

GOUANIA TOMENTOSA, Jacq. var. PUBESCENS. (75.)

AMPELIDEÆ.

CISSUS SICYOIDES, L. (74.) Et forma parvifolia. (1136.)

CISSUS TRIFOLIATA, L.: α . foliolis pellucido-punctatis ovatis acutis superne remote incumbenti-serratis. (72.) Forma floribus luteo-rubris. (72, partim.) [Forma foliolis promisse acuminatis, 70.]

Var. β . CAUSTICA (*C. caustica*, Tuss.): foliolis pellucido-punctatis cuneato-ellipticis obtusiusculis superne remote serratis. “Flores coccinei.” (1137.)

Var. γ . INTERMEDIA, (*C. intermedia*, Rich.): foliolis opacis cuneato-ellipticis obtusis superne remote denticulato-serratis vel subintegerrimis; pedicellis hirsutis vel glabrescentibus; bacca obovata. (71, 73.)

Var. δ . OBOVATA (*C. obovata*, Vahl): foliolis demum opacis spathulatis obtusis integerrimis vel repando-paucidenticulatis. (1138.)

VITIS CARIBÆA, DC. (69, specim. florif. & fructif.)

TERNSTREMIACEÆ.

TERNSTREMIUM OBOVALIS, Rich. (*T. meridionalis*, Swartz, etc. non W.) “Corolla alba.” (1125.)

TERNSTRÆMIA ELLIPTICA, Sw. (*T. meridionalis*, W. non Sw. *T. peduncularis*, DC.)
Ludit foliis emarginatis et obtusis. (1577.)

TERNSTRÆMIA CLUSIIFOLIA, H.B.K. "Corolla pallide lutea." (1124.)

CLEYERA THEOIDES, Planch.; Griseb. Fl. Ind. Occ. 1, p. 103. (1126, 1145.)

FREZIERA HIRSUTA, Sw.; a forma Caribæa recedens petiolo longiori et serraturis folii minoribus. (49.)

LAPLACEA WRIGHTII, Griseb. (n. sp.): ramulis glabris; foliis spathulatis apice emarginatis integerrimis subsessilibus glabris, nervo mediano subtus glabrato; sepalis sericeovelutinis; capsula 5-angulari lineari-oblonga, loculis trispermis. — Proxima *L. Curtyanæ*, Rich., foliis glabris emarginatis distincta. "In sylvis prope Monte Verde. Arbor gracilis, floribus albis, antheris extrorsis." (48.)

OCHNACEÆ.

GOMPHIA ALTERNIFOLIA, Rich. Drupæ obovata, "læte cyaneæ." (58.)

GOMPHIA REVOLUTA, C. Wright, mscr. (n. sp.): foliis parvis elliptico-oblongis spathulatisque obtusis integerrimis margine revolutis breviter petiolatis, venis tenuissimis; panicula laxa corymbosa; pedicellis gemmam ovatam obtusam duplo superantibus; sepalis ovali-oblongis corolla paullo brevioribus; antheris lævibus; drupis subglobosis basi contractis. — Prope Monte Verde. (1128.)

GUTTIFERÆ.

TOVOMITA CLUSIOIDES, Griseb. (n. sp.): foliis obovatis obtusis integerrimis basi obtusiusculis (2–3½ poll. longis), venis primariis rectis crassiusculis utrinque prominulis, petiolo brevi crasso; cyma terminali pauciflora foliis superata, pedicellis tetragonis; sepalis 2 deciduis; petalis 6; staminibus plurimis; filamentis superne dilatatis; antheræ loculis breviter oblongis lateralibus. — Habitu accedit ad *Clusiam venosam* et *T. havetioidem*. Flores "albi," fœm. ignoti. — "In pinetis prope Monte Verde. Arbuscula." (1121.)

CLUSIA ROSEA, L. (50.) CLUSIA ALBA, L. (51.) CLUSIA FLAVA, L. (52.)

RHEEDIA, Griseb. n. gen. Flores hermaphroditi.* Sepala 2, persistentia. Petala 4, imbricativa. Stamina plurima, infra gynophorum inserta: antheræ minutæ, globosæ,

[* Flores non revera hermaphroditi, sed in spec. coll. 1856–7 ovarii abortu steriles, staminibus validioribus; in coll. 1859 fertiles, subhermaphroditi, staminibus minoribus. Folia pleraque angustiora, lanceolata.]

introrsæ. Ovarium gynophoro mamillari suffultum, 4-loculare, loculis uniovulatis: stigma late depressum, convexum, obsolete 4 lobum, sessile. Pericarpium drupaceum. Testa lignosa. — Frutex habitu florum *Berberidis*, foliorum *Rusci*, ramis triquetris vel tetragonis; folia parva, rigida, mucronato-aristata, opposita vel terna. Pedicelli axillares solitarii, exserti. — Genus *Mammeæ* affine, gynophoro et flore hermaphrodito ab ejus sectione *Rheediandra* (*Rheedia*, L.) distinctum, habitu inter *Clusiaceas* peculiare, cui nomen reductione *Rheediæ* Linnæanæ e systemate expulsum redditur.

RHEEDIA RUSCIFOLIA, Griseb. — Folia subpollicaria, lanceolata-oblonga, rigida, marginata, venis primariis crassiusculis, petiolo brevi incrassato. Pedicelli folia vulgo duplo superantes. Petala ($2\frac{1}{2}$ lin. diametro) subrotunda, calyce plus duplo longiora. Drupa ovoidea. — “In pinetis prope Monte Verde. Arbuscula, ramis horizontalibus, succo resinoso flavo, floribus pallide luteis. Ovarium triloculare.” (53.)

CALOPHYLLUM CALABA, Jacq. (1122.)

MARCGRAAVIACEÆ.

MARCGRAAVIA UMBELLATA, L. (54, 1123.)

HYPERICACEÆ.

MARILA RACEMOSA, Sw. (1120.)

ERYTHROXYLEÆ.

ERYTHROXYLUM OBTUSUM, DC. (86, 1149.)

MALPIGHIACEÆ.

BYRSONIMA SPICATA, Rich. (82.) BYRSONIMA LUCIDA, Rich. (1150, 84^a, fruct.)

BYRSONIMA BIFLORA, Griseb. (n. sp.): fruticosa; foliis spathulatis obovatisque in petiolum brevem angustatis margine revolutis glabris supra lucidis venis teneribus remotiusculis; racemis in ramulo terminalibus in corymbum bi-pauciflorum contractis, pedicellis folio demum brevioribus, bracteis ovato-lanceolatis subæqualibus; petalis rubris; antheræ loculis glabris connectivo apice subrecurvo subæqualibus; ovario glabro. — Affinis *B. lucidæ*, inflorescentia in genere singularis. (84.)

BUNCHOSIA MEDIA, DC. (89.) [No. 87 est eadem fructifera; 88, florifera.]

MALPIGHIA GLABRA, L. (90.) [MALPIGHIA PUNICIFOLIA, L. (85, fr.)]

MALPIGHIA OXYCOCCA, Griseb. Fl. Ind. Occ. 1, p. 117. Drupa obtusangula. (83, 1583.)

MALPIGHIA CNIDA, Spreng. (100.)

[MALPIGHIA COCCIGERA, L. ? foliis anguste oblongis. (99.)]

STIGMAPHYLLON MICROPHYLLUM, Griseb. (n. sp.): foliis parvis (5–8 lin. longis) oblongis utrinque rotundatis apice mucronulatis supra glabris subtus ramulisque puberulis, glandulis 2 infra apicem petioli collocatis stipitatis; pedicellis infra medium articulatis et bibracteolatis; stigmatibus 2–1 foliaceis, binis aut tertio compresso-truncato. — Fructus ignotus. (93.)

STIGMAPHYLLON SAGRÆANUM, Juss. (97.)

BANISTERIA PAUCIFLORA, H.B.K. (95, 1584.)

HETEROPTERIS LAURIFOLIA, Juss. (92.)

TRIOPTERIS RIGIDA, Sw. — Glandulæ in basi folii adsunt, sed evanescent. (96.)

[TETRAPTERIS sp. indetermin. 94. Malpighiaceae indeterminata, fruct. ignot. 98.]

SAPINDACEÆ.

SERJANIA LUCIDA, Schum. “Flores coccineo-rosei.” (109.)

SERJANIA DIVARICATA, Sw.: forma foliolis versus apicem pauciserratis, serraturis obtusis. “Caulis scandens, sectus succum lacteum effundit. Flores albi.” (1587.)

SERJANIA CRENATA, Griseb. (n. sp.): foliis biternatis pellucido-punctatis ramulisque glabratis, foliolis ellipticis vel elliptico-oblongis grosse crenatis, petiolo communi anguste marginato; racemis compositis; samara glabra, ala semi-obcordata basi ad medium carpidium usque producta. — “Ad Monte Verde, Nouvelle Sophie, etc. Alte scandens; flores albi.” (108^a.)

PAULLINIA CURASSAVICA, Jacq., Sw. (107, bis, 110, 1172.)

PAULLINIA PINNATA, L. (104, 1171.)

CUPANIA GLABRA, Sw. “Arbor excelsa, gracilis.” (1165, 1586.) [No. 105 est eadem, fructu maturo.]

CUPANIA AMERICANA, L. (108, 1166.)

CUPANIA TRACHYCARPA, Griseb. (n. sp.): ramulis hispidulis glabratis; foliolis abruptim 8-jugis suboppositis oblongo-lanceolatis acuminatis integerrimis glabris, venis ten-

uibus 6 – 10-jugis; racemis simplicibus axillaribus; capsula globosa ecarinata subsessili scabro-tomentosa; semine subgloboso-trigono arillo involuto. — Flos ignotus. [Folia interdum impari-pinnata; capsula glabrescens. (103.)

BLIGHIA SAPIDA, Kœn. “Culta.” (1170.)

RATONIA APETALA, Griseb. Fl. Ind. Occ. 1, p. 126. [Polygamo-dioica: adsunt in fl. masc. “petala minuta, albida,” crassa, discum vix superantia. Folia sæpissime disjuncta.] (1604, fl. masc., 1151, fr.)

SCHMIDELIA COMINIA, Sw. (106, 1161.) SCHMIDELIA RIGIDA, Sw. (1164.)

SCHMIDELIA OCCIDENTALIS, Sw. (102, 1162, 1163.)

[THOUINIA TOMENTOSA, DC. ex char. (106, bis.)]

THOUINIA NERVOSA, Griseb. Syn. *Schmidelia nervosa*, Rich. Cub. t. 29. (1173.)

MELICOCCA BIJUGA, L. (1167, 1168.) HYPELATE PANICULATA, Camb. (1169.)

STAPHYLEACEÆ.

TURPINIA OCCIDENTALIS, Don. (111, 1174.)

MELIACEÆ.

[TRICHILIA SPONDIROIDES, Sw. (101.)]

MOSCHOXYLUM TRACHYANTHUM, Griseb. (n. sp.): ramulis petiolisque strigilloso-pubescentibus; foliolis parvis rigidis 9 – 7 ovalibus rotundatis glabratis utrinque reticulato-venosis; paniculis racemiformibus folio superatis; pedunculis partialibus brevibus in corymbulos subtrifloros divisus; corolla extus strigillosa 5-partita calycem triplo superante, segmentis oblongis obtusiusculis patentibus; ovario sericeo-tomentoso. — Prope Monte Verde. Sept. (1134.)

GUAREA TRICHILIOIDES, L. (63, florif., 107, fruct.)

SWIETENIA MAHAGONI, L. (1153.)

CEDRELA ODORATA, L. (1152, florif., 1582, fruct.)

AURANTIACEÆ.

CITRUS AURANTIUM, L. “Bitter Orange: in sylvis ubique.” (1127.)

OXALIDEÆ.

OXALIS VIOLACEA, L. "In fissuris rupium prope Josephina, Nov. Flores albi seu leviter purpurei." (1579.)

[OXALIS CORNICULATA, L. (55.) Var. MICROPHYLLA? (56.)]

ZYGOPHYLLÆ.

[GUAIACUM OFFICINALE, L. (57.)]

RUTACEÆ.

RAVENIA SPECTABILIS, Planch. — Syn. *Lemonia spectabilis*, Lindl. (61.)

RAPUTIA HETEROPHYLLA, DC. — Ad *Galipeam* videtur reducenda. Specimina exstant tantum fructifera, foliis trifoliolatis et simplicibus, oppositis et sparsis variantia, racemo simplici, carpidiis a dorso arcuatim costulatis. [Reperi flores nonnullos, corolla 5-petala, stellatim patentissima, atro-rubra, æstivatione valvata: discus, genitalia, semen, embryo, etc. omnino *Pilocarpi*. Ergo *PILOCARPUS HETEROPHYLLUS*. Ex cl. Wright "frutex 10–15-pedalis; prope Monte Verde, coll. Dec. 25."] (1129.)

TOBINIA EMARGINATA, Desv. — Syn. *Zanthoxylum coriaceum*, Rich. Cub. t. 34. (62.)

ZANTHOXYLUM CLAVA-HERCULIS, L. — Syn. *Z. Caribæum*, Lam. (1132, 1132^a.)

ZANTHOXYLUM AROMATICUM, W. (1131.)

FAGARA DUMOSA, Griseb. — Syn. *Zanthoxylum dumosum*, Rich. Cub. Proxima *F. microphyllæ*, Desf.; differt foliolis tuberculo basilari destitutis ternatis vel abortu binatis, et petiolo spathulato-oblongo apice subtus aculeifero. (1605.)

BRUNELLIA COMOCLADIFOLIA, H.B.K. (60, 1133.)

PICRAMNIA PENTANDRA, Sw. (64, 65.)

ERICÆ.

CLETHRA BYRSONIMOIDES, Griseb. (n. sp.): ramulis petiolis axibusque racemi rufo-villosis; foliis obovato-oblongis integerrimis vel superne serrulatis glabris, venis 6–8-jugis; racemis simplicibus vel in apice rami aggregatis; bracteis lanceolatis deciduis pedicello refracto brevioribus; petalis apice erosis calycem tomentosum paullo superantibus; antheris obovatis basi breviter mucronatis, loculis lato poro dehiscentibus; stylo incluso. — "In Monte Lomo del Gato dicto, Dec. Arbor gracilis, floribus albis." (343.)

[ANDROMEDA (LYONIA) JAMAICENSIS, Sw. var.? In declivibus prope Cobre, Jan. (1635.)]

VACCINIUM (VITIS-ID.EA) CUBENSE, Griseb. (n. sp.): ramulis glabriusculis; foliis obovatis obsolete mucronulatis margine cartilagineo integerrimis vel obsolete serrulatis glabris; pedicellis axillaribus solitariis flore longioribus supra basin bibracteolatis; calycis limbo 5-partito, segmentis deltoideis; corolla ovata glabra, lobis patentibus tubo duplo brevioribus; genitalibus inclusis; antheris e dorso biaristatis, aristis tubulo triplo brevioribus. — “Ad Lomo del Gato et Monte Verde. Arbuscula, corolla saturate rubra.” (342.)

CYRILLEÆ.

CYRILLA ANTILLANA, Michx. (1320.)

PURDIEA STENOPETALA, Griseb. (Pl. Amer. Trop. p. 45): sepalis exterioribus 3 ovato-oblongis obtusis corollam longitudine æquantibus latitudine excedentibus, 2 interioribus minoribus ovato-lanceolatis acutis corollam dimidiam superantibus; petalis oblongis mucronato-obtusiusculis. Ceterum *P. nutanti* simillima. — “Ad Lomo del Gato et Monte Verde.” (341.)

CELASTRINEÆ.

SCHÆFFERIA FRUTESCENS, Jacq. (77.)

ELÆODENDRON ATTENUATUM, Rich. (1144.) Forma foliis superne serrulatis. (1585.)

MYGINDA LATIFOLIA, Sw., var. Recedit ramis teretiusculis et foliis vulgo angustioribus. “Flores albi. Frutex 10–15-pedalis et ultra. In monte La Guinea dicto, Dec.” (81.)

[“EUONYMUS CUNEIFOLIUS, n. sp. In monte La Guinea et in pinetis prope Monte Verde; Aug. florif., Dec. fructif. Arbuscula; flores albi.” C. Wright mscr. — Folia fere exacte angustioris formæ præcedentis, sæpe paululum crassa basi longiusque attenuata; inflorescentia, etc. simillima. Ovarium bilobum. Fructus bi- vel abortu uni-follicularis; pericarpio coriaceo lævi oblongo-obovato subcurvato intus dehiscente. Semen unicum, erectum, loculo conforme, arillo cerino cupulæformi semitectum. (1140.)

ILICINEÆ.

ILEX MONTANA, Griseb. — Syn. *Prinos montanus* et *P. sideroxyloides*, Sw. (78, 79.)

ILEX DIOICA, Griseb. — Syn. *Prinos dioica*, Vahl. Forma foliis basi attenuatis, bacca 4-pyrena; flores ignoti. (1143.)

ILEX CELASTROIDES, H.B.K. ex diagn. (1141.)

ILEX REPANDA, Griseb. (n. sp.): glabra; foliis (2–2½-pollic.) obovatis apice emarginato-rotundatis supra medium remote obtuseque serrulatis vel subintegris supra lucidis subtus venosis pallidis breviter petiolatis; floribus fasciculatis; pedicellis baccam subæquantibus petiolo longioribus; calyce 4-lobo; bacca obovata (2 lin. longa) lævi 4-pyrena. — “Arbor parvula, ramis virgatis. Prope La Perla, May 28.” (1142.)

HIPPOCRATEACEÆ.

HIPPOCRATEA SCANDENS, Jacq. (1147.)

HIPPOCRATEA OVATA, Lam. (80.) Var. paniculis contractis folio multo brevioribus. (1148.)

ANTHODON VERRUCOSUS, Griseb. (n. sp.): glaber; foliis crassis ovali-oblongis utrinque rotundatis integerrimis politis (sesqui-bipollicaribus), venis sæpe inconspicuis, petiolo brevi crassiusculo demum annulatim verrucoso; pedicellis brevibus solitariis vel fasciculatis; flore majusculo (4 lin. diam.); petalis obovato-orbicularibus integerrimis calycis lobos breviter rotundatos multo excedentibus; staminibus intra discum insertis. — Syn. *Salacia verrucosa*, C. Wright mscr.; sed ex antheris apice transversim dehiscentibus loculis confluis non *Salacia*. — “In sylvis umbrosis prope Monte Verde, scandens; Aug. Flores dilute miniati.” (1146.)

[CHAILLETIÆ spec. *C. cubensi* proxima est no. 1299. Flores desiderantur.]

URTICACEÆ.

CELTIS TRINERVIA, Lam. “Folio pellucido-punctulata.” (1441.)

CELTIS ACULEATA, Sw. (524 & 526, pr. parte, fructif.)

SPONIA MICRANTHA, Desc. (525.)

SPONIA LAMARCKIANA, Desc. “Arbor 20-pedalis et frutex orgyalis.” (1442.)

FICUS (UROSTIGMA) SUFFOCANS, Herb. Banks. “Arbor excelsa.” (543, 1445.)

FICUS (UROSTIGMA) CRASSINERVIA, Desf. (541.)

FICUS (UROSTIGMA) TRIGONATA, L. “Arbor magna, fructibus læte rubris.” (1444, 1685.)

FICUS (UROSTIGMA) LÆVIGATA, Vahl. (544, 1684.)

FICUS (UROSTIGMA) LENTIGINOSA, Vahl. (1686.)

FICUS (*UROSTIGMA*) *DIMIDIATA*, Griseb. Fl. Ind. Occ. p. 151. “Arbor parva patens, vel majuscula, fructibus miniatis.” (542, 1683.)

FICUS (*UROSTIGMA*) *ELLIPTICA*, H.B.K. (= Fendl. coll. Venezuel. no. 1763.) (1443.)

FICUS (*UROSTIGMA*) *PERTUSA*, L. (545.)

CECROPIA *OBTUSA*, Trec. “Arbor excelsis, sylvicola.” (1440.)

TROPHIS *AMERICANA*, L. (589, 592.)

MACLURA *TINCTORIA*, Don. (1439.)

DORSTENIA *TUBEROSA*, C. Wright, mscr. (n. sp.): acaulis; foliis (6–12 lin. diam.) cordato-orbicularibus repando-integerrimis glabrescentibus, nervis subtus petiolisque pilosiusculis; receptaculis cyathiformi-orbicularibus denticulatis peltatis; pedunculo petiolo (pollicari) superato. — “Ad rivos prope Monte Verde; Julio. Planta tenella, violæfolia, rhizomate tuberifero.” (1446.)

DORSTENIA *CRENULATA*, C. Wright, mscr. (n. sp.): acaulis; foliis (6–8 lin. diam.) cordato-subrotundis repando-crenatis subtus margineque pilosiusculis; receptaculis cyathiformibus subintegris peltatis; pedunculo petiolum (1–2-pollic.) subæquante vel superante. — “Ad rivos umbrosos prope Monte Verde; Sept. Rhizoma filiformis, ut in præcedente tuberifera.” (1447.)

FLEURYA *UMBELLATA*, Wedd. “In sylvis opacissimis.” (1453.)

URERA *BACCIFERA*, Gaud. (527.)

PILEA *MICROPHYLLA*, Liebm. (538, 1452.) Var. *HERNIARIOIDES*, Lindl. (536, 1456, 1679.) Var. *PEREGRINA*, Griseb.: foliis orbicularibus (semilineam diam.) subciliatis, raphidibus obsoletis. (1458.)

PILEA *HETERONEMA*, Griseb. (n. sp.): diffusa, ramosissima, minutifolia; foliis rhombeo-cuneatis acutiusculis integerrimis triplinerviis subciliolatis; majoribus (3 lin. longis) in jugo longius petiolatis, raphidibus in utraque pagina linearibus vagis; floribus glomeratis in axilla subsessilibus. — In sylvis umbrosis et juxta rivulos prope Monte Verde. Caulis 1–4-pedalis.” (537.)

PILEA *GNIDIODES*, Griseb. (n. sp.): glabra; caule tenui stricto pauciramoso; foliis parvis (3–4 lin. longis) lanceolatis acuminatis integerrimis uninerviis margine incrasato revolutis in petiolum brevem attenuatis, raphidibus copiosis supra obliquis subtus sæpius mediano parallelis; cymis simplicibus contractis monoicis vel dioicis pedunculo folia subæquante suffultis. — “Ad saxa in sylvis; Junio. Flores purpurascens.” (1451.)

PILEA LUCIDA, Bl., β . CUNEIFOLIA, Wedd. "Capitula mascula rubra vel rosea." (1448.)
 — Var. SERRULATA (*P. Cubensis*, Wedd.) (1448^a, 1451, ex Griseb.)

PILEA NUDICAULIS, Wedd. (528.) Var. SALICIFOLIA, Wedd. (530.)

PILEA PARIETARIA, Bl. (529.)

PILEA CORYMBOSA, Bl. (1449.)

PILEA SWARTZII, Wedd. (533.) [Eadem est 534 et var. anisophylla? 540.]

PILEA NUMMULARIFOLIA, Wedd. (1455.)

PILEA DEPRESSA, Bl.; forma foliis minutis, 2 lin. fere diametro. (1678, 1682.)

PILEA ROTUNDATA, Griseb. Fl. Ind. Occ.; var. foliis subintegerrimis. (1457, 1680.)

PILEA WYDLERI, Bl. (535.)

PILEA REPENS, Wedd. (539, 539^a, 1454.)

GYROTÆNIA, n. gen. Flores dioici; ♂ glomerato-spicati, calyce 4-partito; ♀ nudi, dense glomerati, glomerulis fasciam gyrosam in rhachi complanata carnosa demum revoluta efformantibus, involucello exiguo diphylo. Stigma penicillatum, sessile. Achenium nudum, rectum. — "Arbor parva," foliis alternis trinerviis serratis, stipula axillari persistente. — Genus Procridearum *Pileam* cum *Myriocarpa*, cui inter Bœhmérieas accedit, connectens, inflorescentia fœminea ab omnibus distinctum.

GYROTÆNIA MYRIOCARPA, Griseb. — Rami et petioli hirsuti. Folia lanceolato-elliptica seu elliptica, acuminata vel acuta, eroso-serrata, raphidibus ovoideis supra scabra, pubescentia, glabrata, pilis in nervis subtus diutius persistentibus, 3–1 poll. longa. Spicæ utriusque sexus fere pollicem longa; rhachis fœminea demum lin. 2 lata: achenia minuta, creberrima. [Ex. cl. Wright "achenia innumera in rhachi pulposa subpellucida albida pl. m. lobata nidulantia. In sylvis prope Monte Verde, rara."] (531^a, masc., 531, fœm.)

BœHMERIA CYLINDRICA, W., var. LITTORALIS, Sw. ! (1450.)

POUZOLSIA REPENS, Griseb. (n. sp.): caule suffruticoso diffuso radicante; foliis parvis (2–6 lin. longis) oppositis inæqualibus ovatis acutiusculis petiolatis sparsim pilosis supra basin serratis, serraturis utrinque 2–6; glomerulis monoicis axillaribus vel foliis caducis interrupte spicatis; calyce ♂ 4-partito, ♀ adnato breviter bidentato, fructifero lævi ovata. — "In muris, ad Monte Verde, Dec." [Ex adn. cl. Wright calyce ♀ minutim 3-dentatus.] (1459.)

PHENAX URTICIFOLIUS, Wedd. [sed floribus pentandris]. (532.)

ROUSSELIA LAPPULACEA, Gaud. (1681.)

POLYGONÆ.

COCCOLOBA TENUIFOLIA, L. Bacca ovoidea, inferne tricarinata. (1395.) [Hujus var. ? foliis supra nitidis, no. 1668^a.]

COCCOLOBA LEOGANENSIS, Jacq. [Venæ primariæ subtus prominentes.] (1393.)

COCCOLOBA PUNCTATA, L., var. *PARVIFOLIA*, Griseb. (1394.) Forma foliis supra politis. (462, 462^a.)

PIPERACÆ.

PEPEROMIA NUMMULARIFOLIA, Kth. (520, 521.) [Eadem species est 518.]

PEPEROMIA EXILIS, Griseb. Fl. Ind. Occ. p. 164. (519.)

PEPEROMIA TENELLA, Dietr. (523.)

PEPEROMIA GLABELLA, Dietr. (506.)

PEPEROMIA ACUMINATA, Miq., non R. & P. (504.)

PEPEROMIA DENDROPHILA, Schlecht. (505.) Forma fructu stipitato. (503.) Forma *parvifolia*, foliis obtusiusculis. (1688.)

PEPEROMIA HIRTELLA, Miq. (512.) [Huc 511, quoad coll. 1856-7.]

PEPEROMIA IONOPHYLLA, Griseb. (n. sp.): caule succulento puberulo ascendente ramoso inferne radicante; foliis (pollicaribus vel sesquipollicaribus) subcordato-deltoideis obtusiusculis puberulis demum glabrescentibus 5-nerviis epunctatis petiolum 3-4-plo superantibus; amentis axillaribus densifloris; ovario ovoideo-oblongo apice stigmatifero; stigmate minuto. — "Prope Monte Verde, in truncis præsertim caducis sylvarum repens." (516.)

PEPEROMIA REPENS, Kth. (517.)

PEPEROMIA HERNANDIFOLIA, Dietr. (497.)

PEPEROMIA PRODUCTA, Griseb. Fl. Ind. Occ. p. 166. "In sylvis opacis, scandens." (501, 508, 1420.)

PEPEROMIA DISTACHYA, Dietr. (499, 1419.) Forma foliis longius acuminatis. (502.)

[*PEPEROMIÆ* spec. indeterminata est 498.]

PEPEROMIA OBTUSIFOLIA, Dietr. (509, 510.) Forma *grandifolia*. (1689.) Var. *CUNEATA*, Miq. (511, quoad coll. 1859.)

PEPEROMIA ALPINA, Dietr. (507.) [Huc forte pertinet 500.]

PEPEROMIA MYRTILLUS, Miq. (522.)

PEPEROMIA OBVERSA, Dietr. (515.)

POTHOMORPHE PELTATA, Miq. (496^a, coll. 1859 – 60.) [= Pl. Fendl. Chagres, no. 264.]

POTHOMORPHE UMBELLATA, Miq. (496.) [= Pl. Fendl. Venezuel. 1147. — No. 1146 ejusdem coll. = *P. speciosa*.]

ENCKEA AMALAGO, Griseb. Fl. Ind. Occ. p. 169. (513.) Var. β . HIRTELLA. (514.)

ARTANTHE SCABRA, Miq. (493.)

ARTANTHE GENICULATA, Miq. (1417, 1418.)

ARTANTHE ADUNCA, Miq. (494, 773, 1687.)

OTTONIA SPHÆROCARPA, Griseb. (n. sp.): dichotoma, glabrescens; foliis (3 – 2 poll. longis) ellipticis acutis basi subobliquis chartaceis pellucido-punctatis; baccis depressoglobosis sessilibus. — Recedit a typo generis ovariis baccisque foveæ rhacheos insertis sessilibus et semine globoso; convenit staminibus 4 circa ovarium insertis, stigmatibus 4 sessilibus: bracteæ minutæ, basilares, deciduæ. — “Prope Monte Verde, in sylvis densis. Frutex 2 – 5-pedalis, ramis patentissimis, spicis floriferis albis.” (495.)

CHLORANTHÆ.

HEDYOSMUM NUTANS, Sw. — “Caulis suffruticosus circiter orgyalis.” (491, 1416.)

HEDYOSMUM ARBORESCENS, Sw. — Amenta mascula oblonga, obtusa, fere pollicaria, demum nutantia, structura cum præcedente conveniunt. “Frutex 4 – 6-pedalis.” (490, 1415.)

TEREBINTHACÆ.

BURSERA GUMMIFERA, L. (1155.)

ICICA COPAL, Rich. “Arbor gracilis, floribus pallide flavis.” (1156, 1157.)

ICICA HEPTAPHYLLA, Aubl. (1603, florif.: “arbor gracilis, floribus luteo-albis;” 1158, fructif.: “frutex debilis, 10 – 15-pedalis, subscandens.”)

AMYRIS MARITIMA, Jacq. (66.) Forma foliis basi cuneata rhombeis. (1580.)

AMYRIS SYLVATICA, Jacq., var. foliolis ovato-lanceolatis acuminatis. (1581.)

AMYRIS BALSAMIFERA, L. “Frutex odore rutaceo.” (1606.)

AMYRIS LINEATA, C. Wright, mscr. (n. sp.): foliis sparsis unifoliolatis; foliolis coriaceis lineari-lanceolatis ensiformi-acuminatis integerrimis, venis parallelis approximatis utrinque prominulis rectis angulo acuto a costa ad marginem cartilagineam decurrentibus; petiolo gracili apice nodoso; corymbis paucifloris; petalis subrotundis; antheris globosis; bacca globosa. — Species in genere heteroclita, structura tamen non recedit, nisi disco intra stamina in carpophorum distinctum elevato et pericarpio molli. — “In præruptis prope Monte Verde, Feb. Arbor gracilis “40-pedalis, ligno lentissimo.” (1154.)

[MANGIFERA INDICA, L. Nat. (68.)] ANACARDIUM OCCIDENTALE, L. (67.)

AMENTACEÆ.

MYRICA PUNCTATA, Griseb. (n. sp.): foliis lanceolatis integerrimis (vel paucicrenulatis) glabris subtus dense aureo-punctatis; amentis dioicis, masculis breviter cylindricis gracilibus (1 – 2 lin. longis); fructu minuto subgloboso (lineam diam.). — Affinis *M. microcarpæ*, Benth. — “In saxosis prope Monte Verde, Feb. Frutex 10 – 15-pedalis.” 1460

LEGUMINOSÆ.

CROTALARIA LOTIFOLIA, L. (118, 1589.) [CROTALARIA INCANA, L. (119.)]

[CROTALARIA RETUSA, L. (117.)] TEPHROSIA CINEREA, Pers. (120.)

ÆSCHYNOMENE BRASILIANA, DC., var. (123.)

ÆSCHYNOMENE AMERICANA, L. (124 aut 125, lomento glaberrimo; 1590, lomento hispido.)

DESMODIUM ADSCENDENS, DC. [Stipulæ in speciminibus sæpe inferne connatæ, lomentum margine dorsali fere ad suturam sinuato!] (1176.) [= 127.]

DESMODIUM INCANUM, DC. [Stipulæ in specim. distinctæ; lomentum minus quam in præcedente sinuatum! Cf. char. in Fl. Ind. Occ.] (126.)

[DESMODIUM TRIFLORUM, DC. (124 v. 125.)] DESMODIUM AXILLARE, DC. (128.)

STYLOSANTHES PROCUMBENS, Sw. (1589, bis.) STYLOSANTHES VISCOSA, Sw. (122.)

BRYA EBENUS, DC. (1597.) [ABRUS PRECATORIUS, L. (121.)]

RHYNCHOSIA PHASEOLOIDES, DC. (133, forma glabrata; 134, foliolis subtus velutinis reticulatis.)

RHYNCHOSIA PARVIFOLIA, DC. (132.) [RHYNCHOSIA MINIMA, DC. (132^a.)]

CLITORIA TERNATEA, L. (1592.) CENTROSEMA PLUMIERI, Benth. (129.)

CENTROSEMA PUBESCENS, Benth. "Flores rosei, centro purpurei." (130.)

CENTROSEMA VIRGINIANUM, Benth. (131.) Var. ANGUSTIFOLIUM, DC. (1177, 1178.)

CENTROSEMA HASTATUM, Benth. "In sylvis umbrosis: flores viriduli." (1591.)

TERAMNUS UNCINATUS, Sw. (138.)

GALACTIA (SWEETIA) ANGUSTIFOLIA, Kth.: forma stylo rectiusculo et foliolis sæpe solitariis. "Ad urbem Guantanamo. Flores rubri." (1179.)

GALACTIA PARVIFOLIA, Rich. Cub. "Ad Villam Nouvelle Sophie: volubilis; flores purpurei." [Specimina perpauca, vix florifera, haud distributa.]

GALACTIA BRACHYODON, Griseb. (n. sp.): caule volubili; foliolis 3 ovati-oblongis obtusis vel emarginatis puberulis vel subtus glabratis, petiolo ipsis æquilongis seu longiori; racemis folia æquantibus vel superantibus; calycis dentibus ovatis imbricatis tubo breviter campanulato duplo brevioribus, superiori rotundato, cæteris acutiusculis, lateralibus paullo brevioribus; legumine (juniori) villosa arcuato. — "Prope Monte Verde. Corolla pallide purpurea." (135, 1180.)

GALACTIA FILIFORMIS, Benth. (136, 1593.)

VIGNA UNGUICULATA, Walp. ex Jacq. Vind. 1, t. 23. (1594.)

VIGNA LUTEOLA, Benth. (1182, 1595.)

PHASEOLUS SEMIERECTUS, L. (137.)

CANAVALIA CUBENSIS, Griseb. (n. sp.): glabra; caule volubili; foliolis coriaceis subrotundo-ovalibus mucronulatis utrinque reticulato-venosis; calycis labio superiori late bilobo tubum subæquante, inferiori minimo integro; vexillo reflexo obsolete biauriculato; carina erostris apice incurva obtusa alas superante; legumine stipitato compresso oblongo, costis juxtamarginalibus. — Corolla purpurea, $\frac{2}{3}$ poll. longa: legumen et semina *C. gladiatæ*, DC. — "In sylvis, arbores alte scandens." (139.)

DIOCLEA RUDOLPHIODES, Griseb. (n. sp.): foliolis parvis (pollicaribus) lanceolato-oblongis obtusis margine revolutis glabris; racemis longe pedunculatis; bracteis bracteolisque minutis; calyce pedicello brevi multo longiori, lobo superiori ovato acuto, inferiori lanceolato, utroque tubum subæquante; vexillo obovato exauriculato alas carinamque lævem æquante; antheris omnibus fertilibus; legumine 10-15-spermo rufo-viloso compresso leviter arcuato. — Vexillo ecarunculato ad *Rudolphiam* accedit. — "In pinetis prope Monte Verde; florif. Junio, fructif. Sept. Inflorescentia, calyx, etc. atrorubentes: corolla coccinea." (1181.)

MUCUNA PRURIENS, L. (140.)

ERYTHRINA CORALLODENDRON, L. (1183.)

LONCHOCARPUS LATIFOLIUS, Kth. (142 [et 141], 1184.)

LONCHOCARPUS SERICEUS, Kth. (1185, 1186.)

ANDIRA MICROCARPA, Griseb. (n. sp.): foliolis 3-4-jugis late oblongis (3-4 poll. longis) utrinque rotundatis supra lucidis subtus glabratis; racemis in paniculam amplam laxam digestis, ramis inferioribus distantibus pubescentibus; calyce campanulato basi acutiusculo pubescente, dentibus late triangularibus; petalis subæqualibus (4 lin. longis); staminibus $\frac{9}{7}$; ovario breviter basi attenuato ad marginem piloso; legumine sessili semi-ellipsoideo compressiusculo lævi (6 lin. longo). — Similis *A. retusæ*, Kth., cui flores breviores; præterea ovario stipite brevi latiusculo marginumque pube, calyce multo breviori fructuque nostra differt. — “In præruptis prope Monte Verde. Arbor elata: corolla pallide purpurea.” (1187, 1188.)

BELAIRIA MUCRONATA, Griseb. (n. sp.): foliolis 9-3 lineari-oblongis mucronatis glabris. — Specimen fructiferum leguminibus subfasciculatis membranaceis venosis indehiscentibus stipitatis cum *B. spinosa*, Rich. Cub. convenit, nec nisi foliolorum forma ab ejus descriptione recedit. Genus *Leptolobiearum* foliis e gemma axillari folii abortivi in spinas longissimas stipulares reducti oriundis singulare. — “In præruptis ad Monte Verde, Oct. Frutex ultra-orgyalis.” (1598.)

PÆPPIGIA PROCERA, Presl. “Arbor parvula.” (145, 1596.)

HÆMATOXYLON CAMPEACHIANUM, L. (143.)

CASSIA FISTULA, L. [Culta; specimina haud distributa.]

CASSIA LIGUSTRINA, L. (149, 1190.)

CASSIA DECIPIENS, Desv. Specimen fructiferum: species sectionis *Chamæsennæ*, foliolis 3 poll. longis et vix lineam latis singularis, glandula petiolari tereti acuminata a basi infimoque pari æquidistante, diagnosi Desv. nimis succincta incerti nominis. — “In rupibus ad Nouvelle Sophie, Nov.: 2-3-pedalis.” (1601.)

CASSIA DOMINGENSIS, Spreng. (150.)

CASSIA OBTUSIFOLIA, L.; var. foliolis oblique elongatis subretusis mucrone destitutis puberulis. (1602.)

CASSIA LINEATA, Sw., var. BRACHYLOBA. — A specimine Swartziano differt caule suffruticoso, foliolis 4-6-jugis, legumine breviori 4-6-spermo. (146.)

CASSIA SERICEA, Sw. (148.)

CASSIA SERPENS, L. (147.)

CASSIA NICTITANS, L. (1599.)

CASSIA PATELLARIA, DC. (1600.)

HYMENÆA COURBARIL, L. (1189.)

ATELEIA CUBENSIS, Griseb. — Syn. *Swartzia multijuga*, Rich. Cub. t. 42. “In rupibus prope villam Nouvelle Sophie. Arbor parvula: corolla albida vel luteola.” (144.)

CALLIANDRA COLLETIOIDES, Griseb. (n. sp.): Eucalliandra, spinis stipularibus patentibus folia multo excedentibus armata, glabrata; pinnis unijugis glandula petiolari distinctis; foliolis minutis (vix lineam longis) 3-2-jugis obovatis glabris; capitulis globosis breviter pedunculatis; corolla strigosa calycem striatum glabrum triplo superante; staminibus 10 purpureis corollam quadruplo superantibus in tubum gracilem corollæ subæqualem connexis; legumine recto a medio ad basin attenuato oligospermo pubescente, valvis chartaceis intra margines prominulos planiusculis. — Affinis videtur *C. hystrici* (Ingæ, Rich.) et *C. paucifloræ* (Acaciæ, Rich.). “In præruptis montium prope Nouvelle Sophie, etc., Oct. Frutex 6-8-pedalis: stamina punicea.” (153.)

CALLIANDRA GRACILIS, Griseb. (n. sp.): Eucalliandra, inermis, glabra; pinnis bijugis; foliolis (12-6 lin. longis) 8-3-jugis inæquilateris obovatis vel obovato-oblongis subacutis obtusisve basi in latere exteriori truncatis, inferioribus decrescentibus; capitulis pedunculatis; legumine recto lineari basi attenuato glabro, valvis chartaceis ad semina tumidis. — Flos ignotus. Legumen 4-3 poll. longum, 3 lin. latum, margine prominulo cartilagineo. [In speciminibus coll. 1860 flores pauci adsunt, pallidi, glabri; petalis estriatis infra medium connatis calycem profunde 5-fidum duplo superantibus staminibus sub-40 basi monadelphis 3-4-plo brevioribus. Ex cl. Wright, “frutex 6-10-pedalis, in præruptis.”] (151.) [154 videtur eadem.]

PITHECOLOBIUM FILICIFOLIUM, Benth., var. Recedit a vulgari forma pinnis 9-3-jugis. (1191, 1191^a.)

[MIMOSA PUDICA, L. (152.)]

CHRYSOBALANEÆ.

CHRYSOBALANUS ICACO, L. (1607.) HIRTELLA TRIANDRA, Sw. (155.)

ROSACEÆ.

PRUNUS OCCIDENTALIS, Sw. (156.) PRUNUS SPHEROCARPA, Sw. (1193.)

PRUNUS PLEURADENIA, Griseb. Fl. Ind. Occ. Specimina fructifera. (1192.)

MYRTACEÆ.

GOMIDEZIA LINDENIANA, Berg in Linnæa, 29, p. 208. “In monte Lomo del Gato. Arbor parvula.” (162.)

CALYPTRANTHES CHYTRACULIA, Sw. (163, 172.)

CALYPTRANTHES CALYPTRATA, Griseb. (n. sp.): ramulis cylindricis pedunculis foliisque novellis rufo-strigosis; foliis ovato-lanceolatis in acumen obtusum longe protractis opacis petiolatis, mediano supra impresso subtus prominente, venis inconspicuis; pedunculis axillaribus simplicibus petiolo duplo longioribus [nunc folio dimidio tantum brevioribus] glomerulo florum terminatis; bracteis elongatis supra gemmas in calyptram rostriformem connatis basi circumscissis; floribus sessilibus; calyce ovoideo obtusiusculo rufo-strigoso. — Folia pollicaria vel sesquipollicaria, 6–3 lin. lata. Pedunculi 2 [– 6], calyptra 4, flores 1, lin. longi. (165.)

CALYPTRANTHES DECANDRA, Griseb. (mscr. in pl. Rugel.): ramulis cylindricis parce puberulis glabratibus; foliis obovatis (v. spathulato-lanceolatis) obtusis glabratibus opacis, venis arcu connexis tenuibus vel inconspicuis; pedunculis trifidis folio superatis; floribus ternatis subsessilibus; calyce subgloboso mucronulato puberulo; petalis nullis; staminibus vulgo 10; bacca globosa limbo calycis repando coronata. — “Arbor” (Rug.): folia $1\frac{1}{2}$ – 1 poll. longa, 12 (– 5) lin. lata, pube minuta adpressa, mox glaberrima. Calyx semilineam longus. [Ex cl. Wright “arbor parvula, gracilis, in sylvis prope Monte Verde, Jan.” Fructifera.] (1203.)

CALYPTRANTHES PUNCTATA, Griseb. (n. sp.): ramulis cylindricis rufo-pubescentibus demum glabratibus; foliis rigidis lanceolato-oblongis obtusis opacis supra impresso-punctatis subtus adpresso-puberulis glabratibus, venis tenuibus supra inconspicuis; pedunculis axillaribus simplicibus crassiusculis ancipitibus folium subæquantibus glomerulo florum terminatis; bracteis ovato-rotundatis flore sessili multo brevioribus; calyce minute mucronulato. mucrone obtusiusculo. — Affinis videtur *C. Thomasianæ*, Berg.: folia 18 – 10 lin. longa, 6 – $2\frac{1}{2}$ lin. lata: calyx $1\frac{1}{2}$ lin. diam. — “Arbor parvula vel frutex, secus rivulos prope Monte Verde; Junio.” (1204.)

CALYPTRANTHES RIGIDA, Sw. (166.)

CALYPTRANTHES ROSTRATA, Griseb. (n. sp.): glabra; ramulis biangulatis; foliis rigidis ovatis obtusiusculis basi rotundatis opacis, venis arcu connexis tenuibus; pedunculis tri – unifloris; pedicellis crassiusculis flore multo brevioribus; calyce ovoideo abruptim rostrato, rostro obtuso; petalis nullis; bacca globosa, limbo truncato. — Folia 1 – $2\frac{1}{2}$ lin. poll. longa, 8 – 12 lin. lata. Pedunculi 4, calyces 2, lin. longi. — “In sylvis densis prope Monte Verde; florif. Junio, fructif. Jan. Frutex vel arbuscula: alabastra viridula demum badia: stamina flavida.” (174, 1216.)

CALYPTRANTHES ROTUNDATA, Griseb. (n. sp.): glabra; ramulis biangulatis; foliis rigidis elliptico-rotundatis obtusiusculis opacis, venis tenuibus vel inconspicuis; baccis

globosis solitariis sessilibus. — Flos ignotus, sed ex semine et ramulis biangulatis vix dubie præcedentibus congener. Folia 12–10 lin. longa, 8–6 lin. lata, basi rotundata. — “In præruptis prope Monte Verde, Dec. Frutex 8–12-pedalis; bacca rubra.” (1215.)

MYRCIA CORIACEA, DC., var. RETICULATA, Griseb.: glabra; foliis pellucido-punctatis vulgo utrinque reticulato-venosis; pedunculis 3–15-floris. (1197, 1198, 1199, 1201.)

MYRCIA SPLENDENS, DC. (170.)

EUGENIA REVOLUTA, Berg! Syn. *E. heterophylla*, Rich.? (167, 1212.)

EUGENIA BUXIFOLIA, W. (168, 1210 [1213], 1214.)

EUGENIA LATERIFLORA, W. (1613.)

EUGENIA GLABRATA, DC. (1206, 1207.)

EUGENIA CINCTA, Griseb. (n. sp.): ramulis pilosiusculis; foliis glabris rigidis obovatis obtusis vel ovalibus (14–8 lin. longis) basi subacutis opacis subtus punctato-rugulosis et callo juxtamarginali crasse prominulo ab arcu venarum distante cinctis, venis distantibus parum subtus prominulis; floribus glomerulatis; pedicellis longioribus petiolum subæquantibus; bacca globosa. — “In sylvis prope Monte Verde, secus rivulos, Junio–Julio. Frutex ultra-orgyalis, floribus albis, baccis rubris.” (1205.)

EUGENIA VIRGULTOSA, DC. (171.)

EUGENIA PALLENS, DC. (1211.) [Huc 91, florif.]

EUGENIA DOMINGENSIS, Berg. Proxima *E. ærugineæ*, DC., distincta bacca globosa. “Arbor elata, in sylvis opacis circa Monte Verde. Flores albi. Ovula in loculis 4–5, pendula. Bacca matura lutea.” (164, 1202.)

EUGENIA PROCERA, Poir. (1612.) [Huc forte 173, fructif.]

EUGENIA LIGUSTRINA, W. (169, 1208.)

EUGENIA BERGIANA, Griseb. Syn. *Stenocalyx pseudopsidium*, Berg. — Bacca globosa, pleiosperma, seminibus trigonis. Nostra forma *E. lineatæ*, DC. similis, sed floribus pedicellatis lateralibusque distincta: bracteolis longioribus et calycis lobis acuminato-lanceolatis apice obtusiusculis parum a descriptione cl. Berg recedit. “In pinetis et præruptis prope Monte Verde. Frutex 6–10-pedalis; flores albi; Julio.” (1194, 1200.)

[EUGENIA FLORIBUNDA, West? *Myrciaria floribunda*, Berg! In sylvis opacis prope Monte Verde, Aug. (florif.); in præruptis ad Nouvelle Sophie, Nov. (fructif.): bacca

nigra, grate acida. Arbuscula." Char. omnino *Myrciariæ*, Berg, nisi ovarii loculis circiter 5-ovulatis. Species a Grisebachio casu omissa. (1209, coll. 1859 florif., coll. 1860 fructif.)]

EUGENIA § MYRCIARIA? aff. præcedenti; differt foliis ovatis subcoriaceis magis punctatis, bacca arcte sessili, ovario deflorato depresso, pedicello brevissimo percasso, loculis bi-ovulatis. "Frutex 4-6-pedalis in collibus prope Nouvelle Sophie, Sept. (fructif.) Bacca rubra." Etiam a Grisebachio neglecta. (1610.)]

[PIMENTA OFFICINALIS, Berg. (479.)]

PSIDIUM CALYCOLPOIDES, Griseb. (n. sp.): glabrum; ramulis compressiusculo-cylindricis; foliis chartaceis elliptico-oblongis vel obovato-oblongis basi plerumque acutis lævibus pellucido-punctatis (2-3 poll. longis); pedicellis lateralibus fasciculatis demum ancipitibus (4-8 lin. longis); calycis lobis 4 ovato-oblongis obtusis; antheris subglobosis. — Affine *P. cordato*, Sims: semen generis. — "Arbor gracilis, in sylvis umbosis, Junio-Julio." (1195, 1196.)

MOURIRIA SPATHULATA, Griseb. (n. sp.): ramulis tetragonis demum cylindræis; foliis spathulato-oblongis seu ovalibus obtusis basi in petiolum brevem attenuatis, venis tenuibus demum subtus conspicuis; fasciculis corymbisve 3-4(-1-) floris petiolo longioribus axillaribus seu lateralibus, pedicellis infra medium minute bibracteolatis; calycis tubo campanulato, dentibus deltoideo-rotundatis; antheræ loculis calcare recurvo obtuso multo longioribus. — "La Perla, Maio. Arbuscula, floribus albis." Eandem leg. Linden (pl. Cub. 2147). (1234.)

MOURIRIA LANCEOLATA, Griseb. (n. sp.): ramulis tetragonis demum cylindræis; foliis lanceolatis acuminatis apice obtusiusculis vel mucronulatis basi in petiolum attenuatis aveniis; pedicellis geminis vel solitariis petiolo multo longioribus infra medium minute bibracteolatis axillaribus seu lateralibus; calycis tubo turbinato, dentibus mucronulato-rotundatis margine laceris; antheræ loculis calcare recurvo obtuso duplo longioribus. — "Prope Monte Verde in præruptis. Frutex 10-pedalis." (1235.)

MELASTOMACEÆ.

CALYCOGONIUM STELLATUM, DC. Forma foliis basi acutis subtus rufescenti-lepidotis. Calyx cum icone Bonpl. plane convenit, dum cl. Naudin diagnosis ad *C. Cubensi* magis accedit. (190.)

CALYCOGONIUM CUBENSE, Rich., var. — Non differt ab icone Rich. nisi flore sessili in axilla solitario; sed unicus tantum flos in specimina exstat. (1226.)

CALYCOGONIUM HETEROPHYLLUM, Naud.! “Frutex ultra-orgyalis, in sylvis opacissimis prope Monte Verde. Flores purpurei: fructus atro-purpureus.” (1220.)

CALYCOGONIUM WRIGHTIANUM, Griseb. (n. sp.): glabrum; foliis ellipticis seu elliptico-oblongis obtusiusculis triplinerviis, nervorum axillis subtus glanduliferis; pedicellis axillaribus solitariis calyce longioribus; calyce inferne subtetragono, lobis superne filiformi-triquetris tubum subæquantibus; stylo filiformi; stigmatate minuto. — Affine *C. Lindeniano*, Naud. et *C. glabrato*, DC. — “Prope Monte Verde secus rivulos; fl. Julio; fr. Dec. Frutex 6 – 16-pedalis: petala rosea: baccæ cæruleo-atræ.” — Idem leg. Linden (pl. Cub. 2134). (192, 193.)

CALYCOGONIUM INVOLUCRATUM, Griseb. (n. sp.): ramulis puberulis; foliis elliptico-oblongis seu ovali-rotundatis obtusis triplinerviis, nervorum axillis subtus barbatis, venis transversis subtus prominulis; glomerulis subtrifloris pedunculatis; bracteis ovalibus pluribus glomerulum cingentibus; calycis tubo hispido subgloboso lobis foliiformibus longiori. — “Prope Monte Verde. Frutex elata: petala rubra.” (194, 1225.)

CALYCOGONIUM ECHINATUM, Griseb. (n. sp.): ramulis nervoque foliorum subtus rufo-puberulis; foliis lanceolatis apice obtusis vel emarginatis *uninerviis*, venis tenuissimis subremotis; pedicellis axillaribus solitariis petiolo brevioribus; calycis tubo globoso setis mollibus echinato lobis dentiformibus lanceolato-linearibus obtusiusculis multo longiori. — Flos ignotus, sed ovarii vel baccæ junioris structura cum ceteris congrua. — “Prope Monte Verde, in sylvis; Dec. Frutex 6 – 10-pedalis.” (1221.)

OSSÆA PUNCTATA, Griseb. (n. sp.): ramulis nervisque foliorum subtus rufo-furfuraceis; foliis elliptico-oblongis mucronato-acutiusculis basi acutis integerrimis triplinerviis glabris subtus rufo-punctatis; fasciculis paucifloris; flore —; bacca quadri-loculari. — Proxima et simillima *O. fasciculari*, Griseb., quæ pube hispida differt. — “Prope Monte Verde, in sylvis densis; Dec. Arbor 20 – 30-pedalis.” (1223.)

CLIDEMIA LIMA, DC. (189, 1233.)

CLIDEMIA CAPILLARIS, Griseb. Syn. *Sagraea capillaris*, DC. (1229.)

CLIDEMIA SCABROSA, Griseb. Syn. *Ossæa scabrosa*, DC. “Petala rosea, filamenta cerina, antheræ fere albæ.” (1232.)

CLIDEMIA LANATA, Griseb. (non DC.) Syn. *Sagraea lanata*, Naud. *C. scabrosa*, var. Griseb. olim. Paulo recedit specimen cl. Naudin originarium (coll. Linden) foliis supra brevius strigillosis subtus densius villosis et nervis lateralibus magis basi approximatis: pube villosa imprimis a *C. scabrosa* differt. — “Prope Monte Verde. Frutex circa 4-pedalis, fructu læte cyaneo.” (177.)

CLIDEMIA RUBRINERVIS, Griseb. Syn. *Sagraea rubrinervis*, Naud. Glomerulo unilaterali bracteis incluso longe pedunculato connectit *Staphidiastra* cum *Staphidio* habitumque præcedentium sequitur. — “Petala rosea: baccae atropurpureæ.” (1230, 1231.)

CLIDEMIA HIRSUTA, Griseb. Syn. *Sagraea hirsuta*, DC. “Frutex sat elatus, in sylvis densis. Petala rosea.” (1228.)

CLIDEMIA WRIGHTII, Griseb. (n. sp.): ramulis et petiolis pube rufa adpressa furfuraceo-puberulis; foliis ovatis acutis præter nervum juxta-marginalem eximie triplinerviis denticulatis supra glabris subtus ad nervos venasque transversas furfuraceo-puberulis; petiolo cymam trifidam furfuraceam subæquante; calycis tubo globoso, dentibus 4 rotundato-mucronatis abbreviatis; petalis —; bacca 4-globosa. — Proxima *C. Swartzii*, Griseb., quæ pube differt: nervi laterales a basi folii 6 lin. fere distant. — “Prope Monte Verde in sylvis densis, Julio. Frutex orgyalis, fructu cæruleo-purpureo.” (1219.)

CLIDEMIA PENNINERVIS, Griseb. (n. sp.): ramulis obsolete tetragonis foliosis petiolisque sparsim pilosis; foliis lanceolato-linearibus acuminatis *uninerviis* supra glabris subtus glabrescentibus vel in nervo pilosis, venis transversis; pedunculis capillaribus unipaucifloris folio 3–4-plo superatis; bracteolis breviter linearibus; calyce tubuloso dentibus 4 subulatis longiori; petalis —; bacca globosa; stylo filiformi. — Affinis *C. capillari* et haud dubie ejusdem sectionis. — “Secus rivulos prope Monte Verde. Frutex gracilis, ultra-orgyalis: baccae læte cæruleæ.” (175.)

CLIDEMIA HIRTA, Don. (176.) [Var. ? foliis longe tenuiter acuminatis est 178.]

HETEROTRICHUM NIVEUM, Don. (188.) DIPLOCHITA SERRULATA, DC. (180.)

TETRAZYGIA SEMICRENATA, Griseb. Syn. *Conostegia semicrenata*, Sw. (182.)

TETRAZYGIA ELÆAGNOIDES, DC. (1222.)

MICONIA IMPETIOLARIS, Don. “Baccae atropurpureæ.” (1224.)

MICONIA LÆVIGATA, DC. (184, 185.)

MICONIA EURYCHÆNIODES, Griseb. (n. sp.): ramulis obtuse tetragonis petiolisque rufo-lepidotis; foliis ellipticis cuspidatis basi obtusiusculis integerrimis trinerviis supra nitide glabris subtus aurato-lepidotis, nervis lateralibus margini quam mediano magis approximatis venisque transversis subtus prominulis; panicula trichotoma rufo-lepidota; floribus breviter serialibus; calycis tubo ovato læviusculo, dentibus obsoletis; antheris 10 clavato-linearibus basi bituberculatis, poro terminali rotundo duplici; stigmatibus capitulatis; bacca triloculari oligosperma. — Syn. *Eurychænia punctata*, var. *latifolia*,

Griseb. olim. Simillima *Eurychæniæ punctatæ*, quæ foliis angustis ramisque cylindricis differt: antheræ porro structura, quæ est *Miconiæ*, in quo genere sectionem propriam (*Pseudoeurychæniam*) sistit, antheris versus apicem paullisper dilatatis et fructu *Eurychæniæ* distinguendam. Semina convexo-trigona, gemina in loculis matura exstant. Eadem species in Venezuela (Fendl. no. 1841) occurrit. “In monte La Guinea dicto, Dec. – Jan. Arbor gracilis, 20 – 30 ped. alta: petala alba versus apicem purpureo tincta.” (183, 1614.)

CREMANIUM TETRANDRUM, Griseb. Syn. *Tetrazygia tetrandra*, DC. “Arbor 40 – 60-pedalis.” (186, 1227.)

CREMANIUM AMYGDALINUM, Griseb. Fl. Ind. Occ. p. 261. (1218.) [Spec. nostra a no. 181 plane diversa videtur. “Flores” (calyces deflorati) ex cl. Wright “læte rubri,” longe pedicellati, corymbi e ramis annotinis orti.] — Forma angustifolia. “Petala alba.” (181.)

CATACHÆNIA ALTERNIFOLIA, Griseb. Pl. Amer. Trop. p. 55. Specimina serius accepta folia opposita præbent, tamen nomen jam editum mutare nolui. — “In pinetis prope Monte Verde. Frutex 10-pedalis. Petala rubentes.” (179.)

CHARIANTHUS OBLIQUUS, Griseb. (n. sp.): ramulis obsolete tetragonis glabris vel furfuraceis; foliis e basi obliqua ovatis rotundatis integerrimis glabris epunctatis triplinerviis; pedicellis solitariis folio parum superatis; calycis limbo brevi obtuse 4-lobo; flore —; capsula 4-loculari globosa carpophoro brevi suffulta. — Fructus congenerum, sed, donec flos innotescat, locus speciei in systemate dubius; folia $1\frac{1}{2}$ – 1 poll. longa, chartacea, pauca in ramulis abbreviatis cito in truncum lignosum abeuntibus. — “In pinetis prope Monte Verde, Aug. Frutex humilis.” (1217.)

GRAFFENRIEDA BRACHYCENTRA, Griseb. (n. sp.): glabra; foliis ovato-subrotundis basi obliqua subcordatis quintuplinerviis apiculatis; cymis corymbiformibus pedunculatis; calycis lobis 4 e basi subulata patula filiformibus obtusiusculis; antheræ calcaribus rudimentariis. — Habitus *Daryæ ascendentis*, Griseb., sed magis accedit ad *Cynopodium*. (191.)

ARTHROSTEMMA LANCEOLATUM, Griseb. — Syn. *Chætogastra*, DC. (187.)

LYTHRARIÆ.

GINORIA AMERICANA, Jacq. (160.) [AMMANNIA LATIFOLIA, L. (161^{bis}.)]
 [CUPHEA DECANDRA, Ait. (334.)] CUPHEA PARSONSIA, R. Br. (161, 1236.)

ONAGRARIÆ.

ISNARDIA PALUSTRIS, L. (157.) [JUSSIEA REPENS, L. (158.)]

JUSSIEA SUFFRUTICOSA, L. var. LIGUSTRIFOLIA, H.B.K. Syn. *J. octonervia*, Lam., non DC. (159.)

[COMBRETACÆ adhuc indeterminatæ, 1237, 1238, 1239, 1240, 1609.]

THYMELEÆ.

LINODENDRON, n. gen. Flores polygami, fertiles et steriles mixti. Calyx hypocraterimorphus, tubo basi tumidulo vel demum latere rumpente intus sericeo-piloso, limbo 5-partito imbricato. Squamulæ hypogynæ 5, pilis longissimis sericeis barbatae. ♂ Stamina 10, exsertæ, fauci inserta, 5 breviora, antheris oblongis seu ovalibus, filamentis longiusculis. Ovarium sterile sericeo-barbatum, stylo longissimo. ♀ Antheræ in fauce subsessiles, abortivæ. Ovarium maris, ovulo ex apice loculi pendulo, stylo infraterminali pubescente longissimo exserto, stigmate obtusiusculo cylindræo-conico. Fructus —. Arbores Cubenses, libro *Lagettæ* reticulato pulcherrimo, foliis sparsis, capitulis pedunculatis in corymbos terminales dispositis exinvolucratis receptaculo discoideo suffultis albo-tomentosis.

Daphnopsis Cubensis, Meisn., secundum descriptionem auctoris optimam altera generis species est, foliis angustioribus et calycis tubo lobos duplo superante distinguenda.

LINODENDRON LAGETTA, Griseb. (n. sp.): foliis lanceolato-oblongis vel elliptico-oblongis brevissime petiolatis glabris (8–6 lin. latis); calycis lobis oblongis acutiusculis intus puberulis tubo (10 lin. longo) quadruplo brevioribus; antheris oblongis filamentis staminum longiorum æquilongis. — “In sylvis prope Monte Verde; Dec., Jan. Arbor elata: flores purpurascens, odori.” (1397, 1397^a.)

LAURINÆ.

PHOEBE MONTANA, Griseb. Syn. *Laurus montana*, Sw. (476, 1406, 1407, 1411.)

PHOEBE TRIPLINERVIS, Griseb. (n. sp.): glabra; foliis oblongis seu elliptico-oblongis apiculatis triplinerviis, nervis subtus prominentibus axilla barbatis; racemis subsimplicibus petiolum parum excedentibus; pedicellis patentibus flore longioribus; staminibus sterilibus deltoideis fertilium serie interiori paullo superatis; bacca —. Folia 4–5-pollicaria, venis subtus minus quam nervi conspicuis. Calyx lineam longus, glaber, in-

fundibuliformis, 6 fidus, lobis patentibus: antheræ exteriores oblongæ, in filamentum attenuatæ. — “Prope Monte Verde, Maio. Arbor parvula, floribus viridulis.” (1400.) [No. 482 est pl. fœminea, bacca immatura olivæformi calyce majusculo stipata.]

HUFELANDIA PENDULA, Nees. (485, 486, 1402, 1403, 1414.)

ACRODICLIDIUM JAMAICENSE, Nees. ([481,] 1401, 1410.)

NECTANDRA SANGUINEA, Rottb. (484.)

NECTANDRA LEUCANTHA, Nees. (480, 1399.)

NECTANDRA CUNEATA, Griseb. (n. sp.): ramulis paniculisque rufo-tomentosis; foliis coriaceis (5 – 3 poll. longis) cuneato-obovatis spathulatisque obtusis supra glabris opacolævibus subtus pube brevissima tandem evanida rufo-tomentosis, venis primariis novenis – duodenis subtus parum secundariis non prominulis; calycis segmentis ovatis obtusatis (sesquilineam longis); antheris oblongis in filamentum æquilongum attenuatis, 3 interioribus juxta basin biglandulosis; staminibus sterilibus lanceolato-linearibus rufo-pilosis eglandulosis; cupula cupuliformi bacca oblonga demum duplo breviori. — In no. 1413^a bacca monstrosa disco fere ad apicem obvallatur, sicut a Neesio in *N. sarcocalyce* exponitur. — “In sylvis densis; prope Monte Verde (florif.), floribus flavoviridulis, Aug. Prope La Perla Maio (fructif.). Arbor grandis.” (1412, 1413.)

STRYCHNODAPHNE FLORIBUNDA, Griseb. — Syn. *Nectandra floribunda*, Nees. Specimina mascula prius ignota exstant, quæ staminum structuram eandem, quæ in Fl. Ind. Occ. de fœm. describitur, exhibent, nisi quod antheræ ovoideo-globosæ, 4-valvares, loculis 4 penitus exsculptæ filamento duplo breviores sunt. Baccæ vero in speciminibus prius descriptis nondum maturæ erant: maturæ (1409) ovoideo-globosæ sunt ac tum lobi cupulæ incremento tubi obsoletæ fiunt, ita ut genus, nisi dioicum esset, *Nectandra* magis accedat. (1404, 1405, 1408, 1409.)

OREODAPHNE LEUCOXYLON, Griseb. — Syn. *Laurus*, Sw. *Ocotea puberula*, Nees. (477, [etiam forte 483, 487,] 1398.)

[CINNAMOMUM ZEYLANICUM, Breyn. Cult. (478.)]

[CASSYTA AMERICANA, Nees. (488.)]

HERNANDIA CUBENSIS, Griseb. (n. sp.): ramulis paniculisque puberulis; foliis ovatis obtusiusculis basi rotundata brevissime aut non peltatis petiolo subæquilongis glabratis; sepalis ♂ ovali-oblongis stamina superantibus; antheris ovalibus filamento æquilongis; drupa lævi. — Proxima *H. Guianensi* Aubl., quæ suadente ic. Aubl. staminibus longe exsertis, filamentis antheræ multo longioribus et drupa 8-sulcata differt. Vesica

drupam includens in nostra ovalis, pollices 2 fere longa. Antheræ loculis margine soluto aperiundis Laurinearum structuræ satis accedunt, ut genus eidem familiæ adnumerari possit. — “In sylvis prope Monte Verde. Arbor gracilis, 30–50-pedalis, ligno albo tenero, floribus albis.” (1390.)

GARRYACEÆ.

FADYENIA HOOKERI, Endl. — Syn. *Garrya Fadyenii*, Hook. Ic. Pl. t. 333. (492.)

CUCURBITACEÆ.

CIONANDRA RACEMOSA, Griseb. Fl. Ind. Occ. p. 286. — Syn. *Bryonia racemosa*, Sw. (1243.)

CIONANDRA GRACILIFLORA, Griseb. l. c. — Flos masculus 7–8 lin. longus; calycis limbus cyathiformis, dentibus cyathulo æquilongis linearibus, ipse strictura abbreviata ab ovario æquilongo separatus. (1241.)

[MELOTHRIA PERVAGA, Griseb. (195.)] MOMORDICA CHARANTIA, L. (1244.)

ANGURIA POLYPHYLLOS, Schlecht. (196.) FEUILLEA CORDIFOLIA, L. (1242.)

PASSIFLOREÆ.

PASSIFLORA MINIMA, L. (197, 1245, pro parte.)

PASSIFLORA ANGUSTIFOLIA, Sw. (197, 1245, pro parte.)

[PASSIFLORA MALIFORMIS, L., var. foliis eximie aristato-cuspidatis. (199.)]

PASSIFLORA RUBRA, L. (201, 133^{bis}.) PASSIFLORA SEXFLORA, Juss. (200.)

PASSIFLORA PENDULIFLORA, Bert. (198.) PASSIFLORA OBLONGATA, Sw. (198^a, 1615.)

TURNERACEÆ.

TRIACIS MICROPHYLLA, Griseb. — Syn. *Turnera microphylla*, Desv. [Est *Bohadschia humifusa*, Presl. Rel. 2, p. 98, t. 68, a Grisebachio prætermissa.] (210.)

TURNERA ULMIFOLIA, L. (209.)

HOMALINEÆ.

HOMALIUM RACEMOSUM, Jacq. (1106.)

LOASEÆ.

MENTZELIA ASPERA, L. (208.)

ARISTOLOCHIEÆ.

ARISTOLOCHIA (GYMNOLOBUS) TRICHOSTOMA, Griseb. (n. sp.): scandens, cirrhifera, glabra; foliis cordatis pedatinerviis rotundato-obtusis subtus inter nervos glaucescentibus exstipulatis, sinu basilari late aperto; calycis tubo supra basin inflatum cylindrico (unciam longo lineam diametro) versus medium rectangulo-inflexo abruptim unilabiato, labio ovali-rotundato apice emarginato tubo quadruplo breviori utrinque a basi ad apicem longe fimbriato, fimbriis sparsis flexuosis (2–3 lin. longis). — Ex sectionibus Klotzschianis *Brachychilo* accedit. — “In sylvis prope Monte Verde. (463.)”

CACTEÆ.

CEREUS ERIOPHORUS, Link. (207.) [PEIRESCIA PORTULACIFOLIA, Haw. (205.)]
RHIPSALIS CASSYTA, Gærtn. (206.)

SAXIFRAGEÆ.

WEINMANNIA PINNATA, L. “In pinetis prope Monte Verde, et in monte La Guinea dicto. Arbor 30–40-pedalis.” (1250.)

BEGONIACEÆ.

BEGONIA CUBINCOLA, A. DC. n. sp. (203, 204, 1249.)

BEGONIA WRIGHTIANA, A. DC. n. sp. (202, 1246.)

BEGONIA, n. sp., monographo A. DC., relinquenda, affinis *B. Wrightianæ*. “In præruptis umbrosis inter Tiguabos et Montem Taurum, Junio. Flores fere albi.” (1247.)

BEGONIA, n. sp. affinis *B. Lindenianæ*, A. DC. “In rupibus cum præcedente. Flores pallide rosei.” (1248.)

ARALIACEÆ.

SCIADOPHYLLUM JACQUINI, Griseb. — Syn. *Hedera arborea*, Sw. (212.)

PANAX SPECIOSUM, W. (211.)

UMBELLIFERÆ.

HYDROCOTYLE SPICATA, Lam. (213.) [HYDROCOTYLE UMBELLATA, L. (214.)]

[ERYNGIUM FÆTIDUM, L. (215.)]

BALANOPHOREÆ.

PHYLLOCORYNE JAMAICENSIS, Hook, f. "In sylvis opacissimis prope Monte Verde. Planta cæspitosa, rubens." (546.)

OLACINEÆ.

MAPPIA RACEMOSA, Jacq. var. Forma a Jamaicensi recedens racemis simplicibus petiolo vix longioribus et drupa paullo breviori subglobosa (semipollicem longa). (1389, 1578.)

LORANTHACEÆ.

LORANTHUS PAUCIFLORUS, Sw. (1255, 1303.)

PHORADENDRON HEXASTICHON, Griseb. — Syn. *Viscum hexastichon*, DC. (1252.)

PHORADENDRON MARTINICENSE, Griseb. — Syn. *Viscum Martinicense*, DC. (1251, foliis 3 – 5-nervatis.)

PHORADENDRON LATIFOLIUM, Griseb. — Syn. *Viscum latifolium*, Sw. (216, 217, 1251^a, foliis enerviis.)

PHORADENDRON TETRASTACHYUM, Griseb. (n. sp.): ramulis compressis demum cylindricis; foliis obovatis apice rotundatis in petiolum attenuatis obsolete pauciveniis, venis a mediano infra medium secedentibus; spicis in axilla solitariis folio 2 – 4-plo brevioribus, articulus quadrifloris; floribus tetrastichis; baccis e basi ovata oblongatis. — Syn. *Viscum tetrastachyum*, C. Wright, mscr. — "Prope Monte Verde in *Guettardæ* sp. parasiticum." (218, 1300.)

PHORADENDRON RUBRUM, Griseb. — Syn. *Viscum rubrum*, L. (1302.)

PHORADENDRON MACROSTACHYUM, Griseb. — Syn. *Viscum macrostachyum*, Jacq. Spec. cum no. 220? mixta.

PHORADENDRON MYRTILLOIDES, Griseb. — Syn. *Viscum myrtilloides*, Sw. In *Furamea odoratissima* parasiticum. (1253.)

PHORADENDRON BUXIFOLIUM, Griseb. — Syn. *Viscum buxifolium*, Lam. A præcedente differt ramulis teretibus et spicis folia aequalia subæquantibus. (220, 220^a, 222, 219, 223.)

PHORADENDRON SESSILIFOLIUM, Griseb. (n. sp.): ramulis ramisque tetraquetris; foliis obovato-oblongis obtusis basi lata sessilibus aequalibus (8 – 10 lin. longis); spicis solitariis folium subæquantibus, articulis 3 – 4 subremotis; floribus tetrastichis; bacca ovato-oblonga. — "In arboribus prope La Perla." (1301.)

PHORADENDRON CONSTRICTUM, Griseb. (n. sp.): ramulis ramisque subcylindricis; foliis minutis crassis ovalibus spathulatisque in petiolum brevem contractis enerviis (3–4-lin. longis); spicis folium subæquantibus, articulis 2–3 bifloris; floribus distichis; bacca oblonga. — Syn. *Viscum constrictum*, C. Wright, mscr. — “Prope Monte Verde; in quodam fruticem Rubiaceum. Spicæ inter flores eximie constrictæ. Flores aurantiacei.” (220^b.)

PHORADENDRON SERPYLLIFOLIUM, Griseb. (n. sp.): nanum; ramulis striato-cylindricis; foliis minutis ovalibus enerviis petiolatis (1–2 lin. longis), inferioribus abortivis; spicis folium subæquantibus, articulis 2–3 contiguis plurifloris; floribus tetrastichis. — “In Euphorbiacea? quadam, prope Monte Verde. Flores virides.” (1254.)

[Var. ? aphyllum. Parasiticum in *Euonymo cuneifolio* et *Myginda latifolia*. (224.)]

ARCEUTHOBIUM EPIVISCUM, Griseb. (n. sp.): ramulis compresso-tetrapteris ad nodos constrictis, internodiis oblongo-linearibus rotundato-truncatis; squamis obsolete deciduis; spicis ♀ moniliformibus 2–3-articulatis, articulis ovoideis plurifloris; floribus distichis. — Syn. *Viscum Epiviscum*, C. Wright, mscr. Parasiticum in *Phoradendro buxifolio*. (221.)

VISCUM DOMINGENSE, Spreng. (225.)

EREMOLEPIS WRIGHTII, Griseb. (n. sp.): ramulis angulatis lævibus; foliis alternis obovato-oblongis ovalibusque 3–5-plinerviis subsessilibus; floribus ♀ glomeratis; calycis limbo 4-partito. — Parasiticum in *Hufelandia pendula*, etc. (226.)

* * * Specimina incompleta, non determinata.

No. 59 (coll. 1856–7): *Connaracea*.

1130.

1159, 1160. [*Connaraceæ*.]

PLANTÆ WRIGHTIANÆ,

London 1863

E

CUBA ORIENTALI,

A

A. GRISEBACH.

PARS II.

[Ex. Mem. Acad. Amer. Scient. et Artium, N. Ser. Tom. VIII.]



CANTABRIGIÆ NOV. ANGL.

Nov. 1862.

XVIII.

Plantæ Wrightianæ e Cuba Orientali, Pars II. (Monopetalæ et Monocotyledones), a

A. GRISEBACH.

(Read April 22, 1862.)

RUBIACEÆ.

GENIPA CARUTO, Kunth. Santa Catalina de Guantanamo. (336, 1619, fructif.)

CATESBÆA GRAYI, Griseb. (n. sp.): foliis elliptico-subrotundis obovatisque spinas sæpe excedentibus; floribus parvis pedicellatis; pedicello calycem (lineam longum) subæquante; calycis lobis deltoideo-acutis tubum subæquantibus corolla multoties brevioribus; corolla subtetragona (4 – 5 lin. longa), lobis ovato-subrotundis obtuse apiculatis tubo ter brevioribus; antheris faucem haud excedentibus; bacca subglobosa. — Syn. *C. parviflora* Sw. ex parte? sec. descriptionem, non Griseb. Fl. Ind. Occ. p. 317. Icon Sloanei a Swartzio citata melius ad *C. parvifloram* Griseb. (*C. parvifoliam* DC.) quadrare videtur: sed ex specimine Swartziano a nobis non viso tantum dijudicari potest, an nomenclatura Candolleana restituenda sit. Pedicelli quaque in *C. Grayi* sæpe longiores sunt (1 – 2 lin. longi): Cl. De Candolle vero qui *C. parvifloræ* Sw. specimen originale viderat, et huic et *C. campanulatæ* Ram. flores dicit sessiles et, an utraque distinguenda sit, dubitat. Speciei a cl. Ramon de la Sagra nominatæ specimen in herbario Hookeriano vidi, quod ad *C. parvifloram* meam pertinet, unde, Swartzium eandem habuisse vel *C. Grayi* non distinxisse, judicavi. “Frutex orgyalis, baccis albis: in sylvis ad Monte Verde.” (371.)

RANDIA ACULEATA, L. (392.)

SPHINCTANTHUS LONGIFLORUS, Griseb. (n. sp.): foliis spathulato-oblongis obtusiusculis; corollæ tubo longissimo (7 – 8 lin. longo) cylindrico basi leviter incrassato limbo ante anthesin subuliformi octies longiori; antheris subsessilibus; stigmatis lamellis plano-ovoideis; drupa ellipsoidea. — *Conosiphon aureus* Poepp. (1845) ex ic. congener, sed *Sphinctanthus* ann. 1844 descriptus est. “Frutex 6 – 8-pedalis: in sylvis prope Monte Verde. Corolla tubo viridi, limbo albido.” (1263.)

SCHRADERA CEPHALOPHORA, Griseb. (n. sp.): foliis oblongo-ovalibus; stipulis spathulatis petiolum subæquantibus; capitulis terminalibus solitariis pedunculatis; involucrio integerrimo calyces dimidios æquante; corolla hypocraterimorpha, tubo cylindrico calyce duplo longiori, lobis 6 lanceolato-linearibus tubum subæquantibus; staminibus inclusis corollæ tubo medio insertis; stigmate bifido. — Proxima *S. cephaloti* Vahl., Jamaicensi, staminibus inclusis distincta. “Prope Monte Verde, arbores excelsas scandens; flores albi fragrantés.” (1264.)

HAMELIA PATENS, Jacq. (227.)

HAMELIA LUTEA, Rohr. (234, 1265.)

HOFFMANNIA? LANCEOLATA, Griseb. (n. sp.): glabra; foliis subcoriaceis lanceolatis vel elliptico-lanceolatis acuminatis in petiolum attenuatis; cymis in glomerulum pauciflorum axillarem pluribracteatum reductis petiolo superatis; floribus sessilibus; calycis limbo quadripartito, segmentis deltoideis. — Folia 3–2 poll. longa, 8–12 lin. lata, petiolo 3–6 lin. longo. Calyx 2 lin. longus. Corolla ignota. Bacca globosa, bilocularis, seminibus obovoideis 3–5 in quoque loculo maturantibus. Habitu *Hoffmannia psychotriæfoliæ* (*Higginsia*, Benth.) affinis, calycis limbo profundius diviso a speciebus melius notis differt. “Frutex debilis, in pinetis prope Monte Verde,” etc.: flores albi: baccæ atropurpureæ. (253.)

GONZALEA PETESIA, Griseb. (*Petesia spicata*, Sw.) (233.)

COCCOCYPSELUM REPENS, Sw. (257.)

CHIMARRHIS CYMOSA, Jacq. “Ad Monte Verde, etc. Stipulæ glandulis linearibus intus donatæ. Flores albi, diœcio-dimorphi, aut staminibus exsertis stigmate incluso, aut stylo exserto antheris inclusis.” (1262, 1622.)

EXOSTEMMA LONGIFLORUM, R. & S. “Flores virginei albi, dein rosei.” (265.)

EXOSTEMMA ROTUNDATUM, Griseb. (n. sp.): glabrum; foliis ovali-rotundatis (3–2 poll. longis) in petiolum brevem basi attenuatis; corymbis paucifloris; pedicellis calyce breviter cylindrico longioribus; calycis dentibus subulatis obtusiusculis tubo plus duplo brevioribus; corolla tubo cylindrico (20–22 lin. longo) lobis fere duplo longiori; capsula oblonga lævi (10 lin. longa). “In pinetis prope Monte Verde. Arbor gracilis 20–30-pedalis. Flores viriduli, dein albi, demum rosei et rubri.” (1258, 1259.)

EXOSTEMMA ELLIPTICUM, Griseb. (n. sp.): glabrum; foliis ellipticis (2–3-poll.) breviter petiolatis; floribus corymbosis, pedicellis calycem breviter cylindricum subæquantibus; calycis dentibus subulatis tubo duplo brevioribus; corollæ tubo cylindrico (pollicem longo) lobos subæquante; capsula oblonga obtuse costata. — “Arbor sat alta, in sylvis prope Monte Verde, floribus albis dein roseis.” (1257.)

EXOSTEMMA VALENZUELE, Rich. Cub. t. 48. Ramuli apice parce puberuli: folia

elliptica, subtus in axillis venarum piliferis: corymbi densiflori: capsula minuta, obovato-oblonga. Forsan *E. parviflorum* Rich. non differt. "Frutex, floribus albis suaveolentibus. Ad Monte Verde." (1260, 1261.)

PORTLANDIA GYPSOPHILA, Macf., Griseb. Fl. Ind. Occ. p. 324. (259.)

HILLIA TETRANDRA, Sw.! (266.)

HILLIA LONGIFLORA, Sw. (1256.)

CALYCOPHYLLUM CANDIDISSIMUM, DC. — Staminum insertione, quod cl. Klotzsch negabat, cum *Warszewiczia* convenit, nec recedit nisi calycis limbo truncato et inflorescentia. (258.)

FERDINANDEA STELLATA, Griseb. (n. sp.): glaberrima; foliis 3-4-natim verticillatis spathulatis obtusis coriaceis; corymbis specialibus 3-5-floris, pedicellis calyce longioribus; calycis dentibus minutis deltoideis; corollæ tubo gracili clavato limbo calyceque 3-4-plo longiori, lobis subrotundis; antheris oblongis inclusis; capsula obovata (semipollicari); ala seminum oblonga sublacera. — "In pinetis prope Monte Verde. Arbor humilis; flores atrorubentes." (264.)

FERDINANDEA BRACHYCARPA, Griseb. (n. sp.): ramulis puberulis; foliis ternatim verticillatis lanceolato-oblongis apiculatis coriaceis subtus puberulis glabratisque ad nervos pubescentibus; corymbis sub-9-floris in thyrsum oblongum dispositis; pedicellis brevibus; calycis segmentis ovatis obtusis; flore; capsula globosa ad commissuram contracta (lin. 3 diam.); seminibus minutis ala laciniata subrotunda cinctis. — "In fruticetis prope Santa Catalina." (1621.)

RONDELETIA (EURONDELETIA) BUXIFOLIA, Vahl. (262.)

RONDELETIA (STEVENSIA) POITÆI, Griseb. *Stevensia buxifolia*, Poit. (1266.)

RONDELETIA (STEVENSIA) RIGIDA, Griseb. (n. sp.): foliis rigidis ($1\frac{1}{2}$ -3-poll.) ovatis seu ovato-oblongis acutiusculis basi rotundatis supra impresso-venosis subnitido-glabris subtus in nervatura prominula pube simplici strigosis vel pubescentibus margine revolutis; stipulis subulatis deciduis; glomerulis subsessilibus pube adpressa lanuginosis; bracteis involucrentibus segmentisque limbi calycini ovato-oblongis; corolla extus lanuginosa intus glabra, tubo cylindrico apice dilatato (semipollicari) calycis lobos 5 plus duplo superante. — Affinis *R. incanæ* Sw. "Ad villam La Madelina. Frutex 10-pedalis, foliis ramorum validiorum sæpe ternatim verticillatis, corollæ limbo atrorubente." (1617.)

MANETTIA COCCINEA, Willd. *M. cuspidata*, Bert. (267.)

MANETTIA LYGISTOIDES, Griseb. (n. sp.): foliis ovato-lanceolatis lanceolatisque rigidulis glabrescentibus subtus aveniis brevissime petiolatis; stipulis minutis; cymis paucifloris subsecundis foliis superatis; calycis lobis 4 lanceolatis obtusiusculis cum toti-

dem denticulis alternantibus; corollæ tubo breviter cylindrico (lin. 2 longo) calycis limbo duplo longiori ad faucem barbato; antheris inclusis; seminibus ala lata denticulata cinctis. — Habitus *M. Lygisti* Sw., quæ venis foliorum subtus reticulatis, corolla longiori et floris seminumque fabrica differt. “Prope Monte Verde in pinetis. Corolla viridula: antheræ purpuræ.” (257.)

OLDENLANDIA CALLITRICHOIDES, Griseb. (n. sp.): glabrescens, radicans; caulibus filiformibus diffusis; foliis minutis ovato-orbicularibus in petiolum contractis, imis petiolo brevioribus; stipularum setis minutis vel obsoletis; pedicellis solitariis filiformibus elongatis; calycis dentibus 4 distantibus breviter lanceolatis piliferis; corollæ infundibuliformis lobis tubum subæquantibus; filamentis fauci insertis anthera minuta globosa multo longioribus; stylo ad medium bifido, ramis pilosis; capsula turbinata apice inter dentes calycinos convexa loculicida; seminibus minutis truncato-obovatis scrobiculatis. — Habitus *Hydranthe* et affinium Scrophulariacearum, accedit ad *Houstoniam*, e. g. *H. serpyllifolium* Michx., sed ex seminum forma potius *Oldenlandia*, nisi ob styli fabricam generice distinguenda. Folia lineam diametro: pedicelli 4–8 lin. longi. “Ad ripas rivulorum: flores albi.” (268, coll. 1856–7. 1640, coll. 1859–60, pro parte.) [Specimina cum iis numeri 378, *Hemianthi*, infeliciter mixta.]

LUCYA TUBEROSA, DC. (269.)

SPIGELIA ANTHELMIA, L. (390.)

GUETTARDA ELLIPTICA, Sw.: spec. fructifera. (1609.)

GUETTARDA CALYPTRATA, Rich. Cub. t. 46. “In montibus prope villam Josephina, etc.” (1295, 1618.)

GUETTARDA BRACTEATA, Griseb. (n. sp.): *Guettardaria*; foliis rigidis obovatis obtusis glabris supra lævibus, venis primariis subtus prominulis; stipulis deltoideo-subulatis; pedunculis trifloris folium sæpe æquantibus; bracteis oblongo-linearibus margine recurvis calycem truncatum subæquantibus; corollæ tubo cylindrico lanuginoso (semipollicari) calycem 5–6-plo superante, lobis 6–5 puberulis obovatis undulatis tubo 3–4-plo brevioribus; drupa globosa (3 lin. diam.) puberula triloculari. — “Prope Monte Verde. Arbor gracilis, 20–30-pedalis. Flores albi mox rubelli.” (261, 1292.)

GUETTARDA RETICULATA, Griseb. (n. sp.): *Guettardaria*; foliis rigidis elliptico-oblongis obtusiusculis undulato-repandis supra glabris in axillis venarum subtus pilosis inque ipsis hispidulis, venulis utrinque prominulis, quaternariis areolas seriatas subquadratas formantibus; stipulis lanceolato-acuminatis petiolisque rufo-hispidulis; pedunculis pubescentibus folium subæquantibus ejusque ramis abbreviatis 3-(–1-) floris; bracteis subulatis calyce truncato superatis; corollæ tubo cylindrico-clavato lanuginoso (semipollicari) calycem triplo superante, lobis 5 tubo multo brevioribus; drupa ellip-

soidea (lin. 3 longa) pubescente longitudinaliter venis costata triloculari. — Similis *G. membranaceæ* Sw.! ex Haiti, cui corolla filiformis, flores ebracteati et folia laxè reticulata utrinque setuloso-muricata. — “In sylvis Cubæ Orientalis frequens. Frutex vel arbor humilis: flores albi purpureo tincti.” (263, 1293, 1294, 1616.)

GUETTARDA MACROCARPA, Griseb. (n. sp.): foliis mollibus ovatis acutiusculis basi breviter cordatis supra velutinis subtus lanato-tomentosis, venis primariis subtus prominentibus; stipulis maximis (pollicaribus) ovato-oblongis petiolum excedentibus; flore; drupa ovoidea (12–15 lin. longa), loculis 6 rectis centro putaminis crassi lacunosi approximatis. — Stipulis ad sect. *Ulolobum*, fructu vero ad *Guettardiaram* accedit. “In præruptis prope Monte Verde. Arbor grandis.” (1296.)

STENOSTOMUM LUCIDUM, Gærtn. Santa Catalina. (1270, 1620.)

STENOSTOMUM GRANULATUM, Griseb. (n. sp.): foliis spathulato-lanceolatis seu lanceolato-oblongis obtusis breviter petiolatis glabris subtus granuloso-asperiusculis aveniis; stipulis oblongis acutis; pedunculis bifidis folium subæquantibus, ramis ejus recurvatis, floribus valde distantibus ebracteatis; calyce glabro, limbo breviter campanulato truncato in tubum longiorem oblongum contracto; corollæ tubo anguste clavato glabro, lobis 4 parvis; antheris inclusis; stylo exserto; drupa biloculari ellipsoidea calycis limbo mamilliformi coronata. — “Ad Monte Verde. Arbor humilis, floribus albis odoratis.” (1271, 1272.)

CHIONE LUCIDA, Griseb. (n. sp.): foliis lanceolato-oblongis obtusis supra lucidis subtus tenuiter venosis; stipulis deltoideis inferne connato-tubulosis; cymis laxis, floribus alaribus breviter pedicellatis; corolla ad $\frac{1}{3}$ 5-loba staminibus duplo superata; antheris linearibus filamentis brevioribus; drupa ellipsoideo-oblonga basi obtusa apice truncata. — “Ad Monte Verde, in sylvis opacis. Arbor humilis.” (250, 1238, 1286.)

CHIONE ELLIPTICA, Griseb. (n. sp.): foliis ellipticis obtusiusculis basi breviter cuneatis supra lucidis lævibus subtus tenuissime venosis; stipulis ovato-lanceolatis; cymis multifloris, floribus alaribus subsessilibus; corolla ad medium 5-loba staminibus parum breviori; antheris oblongo-linearibus filamentis brevioribus; drupa oblonga basi ovata apice truncata. — “In sylvis prope Monte Verde. Arbor gracilis, 30–60-pedalis, floribus odoratis.” (1287, fructif. foliis majoribus, 1288.)

CHIONE MYRTIFOLIA, Griseb. (n. sp.): foliis parvis elliptico-lanceolatis acutiusculis subtus aveniis, venis supra impressis; stipulis parvis subulatis; cymis trifloris, floribus pedicellatis; corolla ad $\frac{1}{3}$ 5-loba; antheris oblongo-linearibus. — “Ad villam La Perla. Arbor humilis.” (1289, corolla nondum aperta.)

ERITHALIS ROTUNDATA, Griseb. (n. sp.): foliis ovato-rotundatis basi cuneata in petiolum longiusculum attenuatis; calycis limbo obtuse 5-dentato; corollæ segmentis spa-

thulato-linearibus; antheris (lineam longis) filamento subæquilongis; drupa 5-(–7-) pyrena. — “In præruptis ad Monte Verde. Frutex majusculus, albiflorus.” (1267, 1268.)

CHIOCOCCA RACEMOSA, Jacq., *a. JACQUINIANA*. (252.)

CHIOCOCCA NITIDA, Benth. “Ad Monte Verde in pinetis.” (1290.)

[COFFÆA ARABICA, L. (251.) Cult.]

FARAMEA ODORATISSIMA, DC. (232, 241, florif. et fructif.)

PSYCHOTRIA ULIGINOSA, Sw. *P. lævis*, DC. “Drupa rubra demum atra.” (228.)

PSYCHOTRIA TENUIFOLIA, Sw. “Flores albi.” (1282.)

PSYCHOTRIA CORONATA, Griseb. (n. sp.): *Mapouria*, fruticosa vel arborea, glabra; foliis coriaceis ellipticis vel elliptico-oblongis acutis vel obtusiusculis (3–2-poll.) in petiolum longiusculum attenuatis lævibus, venis tenuibus; stipulis inferne connato-vaginantibus ovatis oblongisque deciduis; panicula triradiata cymosa fastigiata; floribus alaribus sessilibus, lateralibus glomeratis vel solitariis; calycis limbo producto ovario longiori 5-dentato in fructu abruptim tubuliformi; corolla ad faucem villosa, lobis tubo duplo brevioribus; bacca ovoidea, pyrenis 4-sulcatis, cristis convexis, commissura plana. — Ab affini *P. androsæmifolia*, Griseb. (Jamaicensi) differt coronula baccæ lineam longa: Wrightianam legerunt quoque Linden in Cuba (coll. ejus 1774) et Schomburgk in Haiti (ex ejus scheda “ardor parva, quandoque frutex, floribus albis odoris.”) [Ex schedis Wrightianis “frutex 4–10-pedalis vel arbuscula.”] (1284, 1285, 1385.)

PSYCHOTRIA CELASTROIDES, Griseb. in Fl. Ind. Occ., p. 341. “In sylvis opacis. Frutex gracilis, floribus albis, fructibus flavidis.” (237 [in herb. Gray cum *P. lasiophthalma* mixta], 246, 1275.)

PSYCHOTRIA RUFESCENS, Kunth, Bartl. *P. Portoricensis*, DC. (244, 1277.)

PSYCHOTRIA LASIOPHTHALMA, Griseb. (n. sp.): *Mapouria*, fruticosa, glabra vel apice glabrata; foliis chartaceis lanceolato-ellipticis oblongisque acuminatis; stipulis subdistinctis ovato-lanceolatis acuminatis rufo-pilosis deciduis; panicula pedunculata laxa trichotoma, floribus breviter pedicellatis; calyce minute 5-dentato; corolla infra faucem villosa, lobis tubo duplo brevioribus; bacca ovoideo-globosa (sesquilineam longa), pyrenis ad commissuram planis, albumine ibi minute bisulcato. — Affinis *P. hirsutæ* Sw., bacca rotundata stipulisque distincta: folia glaucescentia. “In sylvis ad Monte Verde. Frutex gracilis, floribus albis.” (1274, 1626.)

PSYCHOTRIA COSTIVENIA, Griseb. (n. sp.): *Mapouria*, fruticosa, glabra; foliis chartaceis obovato-oblongis vel ellipticis rotundato-acutiusculis longe in petiolum attenuatis, venis costatis 12–15-jugis subtus arcte prominulis; stipulis distinctis ovatis acuminatis sæpe bifidis deciduis, lobis anguste subulatis; panicula pedunculata trichotoma, floribus

glomeratis; corollæ lobis tubo duplo brevioribus; stylo exserto; bacca subglobosa ($2\frac{1}{2}$ lin. diam.), pyrenis ad commissuram planis, albumine ibi bisulcato. — Folia siccata glauco-nigricantia. “Prope Monte Verde, in sylvis opacis. Frutex 3–10-pedalis, floribus albis, fructibus coccineis.” (242.)

PSYCHOTRIA TRISPICATA, Griseb. (n. sp.): *Mapouria*, fruticosa, glabra; foliis chartaceis elliptico-oblongis seu ellipticis utrinque acutiusculis; stipulis basi breviter connatis ovatis cuspidato-acutis ciliatis petiolum superantibus deciduis; floribus glomeratis in spicam interruptam simplicem vel basi supra pedunculum simpliciter trifidam dispositis; bacca globosa, pyrenis ad commissuram planis bisulcatis. — “In sylvis prope villam San Andres. Frutex 4–6-pedalis, floribus viridulis, fructibus rubris: folia in axillis venarum superiorum saccato-glandulosa: stipulæ majusculæ carinatae.” (1280.)

PSYCHOTRIA BRACHIATA, Sw. “Flores albi seu viridulo-purpurascens: fructibus indigoticis.” (231 quoad coll. anno 1859, et 1283.)

PSYCHOTRIA HEBECLADOIDES, Griseb. (n. sp.): *Euppsychotria*; ramulis tetragonis pubescentibus; foliis (6-pollic.) membranaceis elliptico-oblongis cuspidatis supra glabris, venis costatis subtus pilosulis; stipulis basi in vaginam truncatam connexis utrinque geminis linearibus petiolo brevioribus persistentibus; panicula thyrsoida pedunculata, ramulis ejus cymigeris, bracteolis oblongis acutis calycem superantibus; corolla puberula ad faucem villosa, lobis tubo cylindrico triplo brevioribus; antheris linearibus e fauce exsertis; bacca globosa minuta (fere lineam diam.) calycis limbo diviso coronata, pyrenis obsolete 3–5-carinatis, albumine semilunari. — Simillima *P. hebecladæ* DC.! cui bracteolæ lineares, minores. “In sylvis montis Nima-nima. Arbuscula, floribus luteolis.” (231, coll. ann. 1856–7, et 1627.)

PSYCHOTRIA PYRAMIDALIS, Griseb. (n. sp.): *Euppsychotria*; ramulis puberulis subtetragonis; foliis magnis (12–6-poll. longis) papyraceis ellipticis breviter cuspidatis basi in petiolum attenuatis pube farinosa minutissima evanida glabratis; stipulis subdistinctis bifidis, lobis deltoideo-acuminatis distantibus vagina truncata æquilongis; panicula pedunculata pseudo-axillari pyramidato-thyrsoida folia subæquante, ramis ejus scorpioideo-cymosis, bracteolis pluribus ovato-oblongis calycis tubum subæquantibus; calycis limbo 5-partito; corolla parva tubulosa glabra fauci pilosa, lobis tubo brevioribus; antheris linearibus inclusis; bacca subglobosa, pyrenis obsolete 4-cristatis, albumine semilunari. — Habitu accedit ad *P. uliginosam* Sw., sed ex albumine campylopermo ad sect. *Euppsychotriam* referenda, ex proxima præcedenti, cui stipulæ angustiores. — “Prope Monte Verde. Fruticosa, 6–10-pedalis, fructibus atris.” (1281.)

PSYCHOTRIA PUBESCENS, Sw. (243, 1278, 1279, 1625.)

PSYCHOTRIA PATENS, Sw. "Baccæ cæruleæ." (230 fide A. G., 236, 1276, 1623.)

PSYCHOTRIA NUTANS, Sw. (1628, fructif.)

PSYCHOTRIA PARASITICA, Sw. (249.)

PSYCHOTRIA CRASSA, Benth. [228 ex mscr. Griseb.: sed specimina numeri 228 in herb. Gray omnia ad *P. uliginosam* referenda; *P. crassæ* frustra quæsivi, nisi sub no. 249 cum *P. parasitica* confusa.]

[PSYCHOTRIA OLIGANTHA, DC.?? Specimina imperfecta, fructifera, dubia. 238.]

PALICOUREA CROCEA, DC. (229, 245) & β . TENUIFLORA, Griseb. (247.)

PALICOUREA ALPINA, DC. *P. Mexicana*, Benth. (239, 248, corollis hirtis *P. erianthæ* DC.)

PALICOUREA PAVETTA, DC. (240, 1273, 1624.)

GEOPHILA RENIFORMIS, Don. (256.)

MACHAONIA MICROPHYLLA, Griseb. (n. sp.): spinescens; ramulis puberulis, cymigeris brevibus; foliis subsessilibus parvis (6 – 2 lin. longis) elliptico-spathulatis glabriusculis; stipulis deltoides; cymis simpliciter corymbiformibus laxiusculis pubescentibus, pedicellis calyce turbinato brevioribus; calycis lobis 4 lanceolatis obtusiusculis demum tubo brevioribus; corolla ad medium quadrifida puberula intus pilosa, lobis obtusis stamina duplo excedentibus; filamentis antheræ æquilongis; carpidiis pubescentibus dorso rotundatis ab apice ad basin attenuatis. — Affinis *M. cymosæ* Griseb. (275, 433.)

DIODIA RIGIDA, Cham. & Schlecht. (271, 272.)

SPERMACOCE TENUIOR, Lam., non Linn. (273, 274.)

BORRERIA PODOCEPHALA, DC. (270.)

[Rubiaceæ in coll. 1856 – 7, in exemplis perpauca divulgatis, a cl. Grisebachio haud visa, sunt —

RANDIA ACULEATA, L., no. 391, 392; RANDIA? fructif., 260; Frutex subtr. Psychotriearum, ruscifolius, fructu baccato dipyreno, 254.]

VALERIANEÆ.

VALERIANA SCANDENS, L., var. DENTATA, Griseb.: foliis subdentatis vel remote inciso-dentatis. (277, 278.) [No. 276 coll. 1856 – 7, a Grisebachio haud visa, est var. INDIVISA; segmentis lateralibus foliorum præsertim superiorum nullis.]

SYNANTHEREÆ.

SPARGANOPHORUS VAILLANTII, Gærtn. (279.)

VERNONIA MENTHÆFOLIA, Less.! Species a *Lepidaploa* § 2 apud DC. ad § 1 transponenda. "Fruticosa, scandens, floribus albis." (282, 1305.)

VERNONIA HIERACIOIDES, Griseb. (n. sp.): caule suffrutescente stricto cylindrico scabro; foliis petiolatis ellipticis vel breviter obovato-oblongis cuspidatis remote serrulatis basi obtusiusculis supra glabriusculis impresso-glandulosis subtus puberulis; panicula fastigiata aphylla, ramis ejus glandulo-pilosiusculis dichotomis vel apice brevissime scorpioideis; capitulis subsessilibus 10-floris, extimis sæpe geminis; involucre anguste campanulato (lin. 2 longo), squamis glabriusculis mucronato-acutis patulis, brevioribus pluriserialibus, intimis obtusiusculis; achenio pubescente costato; pappo flavescente, serie exteriori parum latiori brevi. — Habitus *Hieracii Sabaudi*, proxima *V. serratuloidi* Kth., distincta involucri squamis petalis et pappo flavescente. “In pinetis ad Monte Verde.” (1306.)

VERNONIA ARBORESCENS, Sw., var. (1309.)

VERNONIA RIGIDA, Sw., var. *V. Sagraana* DC. (284.)

VERNONIA RUBRICAULIS, Bonpl. Equin. t. 99, forma foliis latioribus. [Specimina nec icone nec descriptione Bonplandii congrua!] “In præruptis; flores albi.” (285.)

VERNONIA REMOTIFLORA, Rich., forma angustifolia, foliis lanceolato-linearibus. (286.)

DISTREPTUS SPICATUS, Cass. (281.)

AGERATUM CONYZOIDES, L. (1310.)

AGERATUM MUTICUM, Griseb. Fl. Ind. Occ. (1631.)

ADENOSTEMMA SWARTZII, Cass. *Lavenia decumbens*, Sw. (291.)

ADENOSTEMMA TRIANGULARE, DC. “In humidis prope Monte Verde. Flores albi vel purpurascens.” (292.)

EUPATORIUM CONYZOIDES, Vahl. (295.) β . *HETEROLEPIS*, Griseb. Fl. Ind. Occ. (294.)

EUPATORIUM LANTANIFOLIUM, Griseb. (n. sp.): fruticosum; caulibus cylindricis albotomentosis; foliis oppositis petiolo brevi crasso suffultis cordato-ovatis obtusis serrulato-repandis vel integerrimis quintuplinerviis supra rugosis scabris glabratis subtus tomentosus reticulatis epunctatis (2–1½ poll. longis); corymbis compactis; capitulis 12–24-floris turbinato-hemisphæricis (3–4 lin. longis) glomerato-subsessilibus; receptaculo intra squamas involucri producto apice plano; involucre dense lanato, squamis multiserialibus imbricatis plerisque ovatis acutiusculis laxiusculis, intimis longioribus lanceolatis; achenio glabro; pappi pilis apice paullisper incrassatis. — Connectit *Platycephala* cum *Cylindrocephalis*, cum deinceps sequentibus affine est. — “In pinetis et præruptis ad Monte Verde. Flores purpurascens. Suffrutex 4–6-pedalis.” (1307, 1308.)

EUPATORIUM PLUCHEOIDES, Griseb. (n. sp.): fruticosum; ramulis cylindricis tomentosus; foliis oppositis breviter petiolatis oblongis basi subcordatis apice acutis vel obtusiusculis serratis vel subintegerrimis penninerviis vel obsolete quintuplinerviis supra

sæpe rugosis scabriusculis subtus tomento evanido pilosiusculis epunctatis (4–2 poll. longis); corymbis trichotomis; capitulis 40–60-floris turbinato-hemisphæricis (4 lin. diam.) glomerato-sessilibus; receptaculo depresso inter squamas involucri turbinato apice plano; involucri dense pubescente, squamis triserialibus imbricatis lanceolatis obtusiuscule acuminatis subadpressis, exterioribus sensim brevioribus; achenio glabro; pappi pilis apice paullisper incrassatis. — “In sylvis ad Monte Verde. Suffruticosum, subscandens, 8–15-pedale, floribus purpureis.” (287.)

EUPATORIUM HYPOLEUCUM, Griseb. (n. sp.): fruticosum; ramulis cylindricis tomentosiss; foliis oppositis breviter petiolatis ovatis obtusiusculis repando-serrulatis 3–5-plinerviis supra rugosis glabris subtus albo-tomentosis epunctatis ($2\frac{1}{2}$ – $1\frac{1}{2}$ poll. longis); corymbis oligocephalis contractis; capitulis 30–40-floris turbinato-hemisphæricis (3–4 lin. diam.) ternato-subsessilibus; receptaculo inter squamas involucri brevi apice plano; involucri dense lanato, squamis subtriseriis imbricatis lanceolatis acuminatis subadpressis, exterioribus brevioribus; achenio scabriusculo; pappi pilis apice paullisper incrassatis. — “Prope villam Nouvelle Sophie dictam, in saxosis, etc. Flores purpurei.” (1629.)

EUPATORIUM CYNANCHIFOLIUM, DC. “In præruptis: flores albi.” (1632.)

EUPATORIUM AGERATIFOLIUM, DC. “In montanis. Flores albi vel subrosei.” (1633.)

[Forma angustifolia, 297.]

EUPATORIUM VILLOSUM, Sw. “Juxta Cobre in collibus.” (296.)

CRITONIA DALEA, DC. “In saxosis ad Nouvelle Sophie.” (Coll. “Sept. 1859–Jan. 1860,” 1311.)

CRITONIA IMBRICATA, Griseb. (n. sp.): glabra; foliis lanceolatis acuminatis serrulatis in petiolum brevem basi attenuatis; panicula fastigiata; capitulis breviter pedicellatis trifloris; involucri 6-seriali, squamis obsolete striatis ciliolatis plerisque subæqualibus ovatis obtusatis, intimis ovato-oblongis; achenio hispidulo. Folia 3–4 poll. longa, 10 lin. lata, petiolo 2–3 lin. longo: involucrum 3 lin. longum. — “Secus ripas rivulorum prope Monte Verde.” (Coll. “Jan.–Jul. 1859,” 1311.)

HEBECLINIUM MACROPHYLLUM, DC. (298.)

MIKANIA HASTATA, Willd. (302.)

MIKANIA SWARTZIANA, Griseb. Fl. Ind. Occ. *Eupatorium Houstonis*, Sw., non L. (303.)

MIKANIA TRINITARIA, DC., var. *M. volubilis*, Poepp. Cub.! (301.)

MIKANIA GONOCLADA, DC. (300.)

MIKANIA CORYDALIFOLIA, Griseb. (n. sp.): glabra; caule volubili gracili suffruticoso; foliis membranaceis longe petiolatis tripartitis palmatinerviis, segmento medio oblongo-

lanceolato, lateralibus duplo brevioribus sæpe inæqualiter bilobis; corymbis brevibus, pedunculis angulatis basi subalatis; capitulis inæqualiter pedicellatis ternatis umbellatisque; involucri bracteolam lanceolatam parum superante (2 lin. longo), squamis oblongis acutiusculis; corollæ limbo campanulato 5-dentato tubum æquante; achenio glanduloso. — “In monte Nima-nima dicto, etc. Flores albi.” (299.)

ERIGERON JAMAICENSIS, Sw. “In saxis humidis.” (305.)

ERIGERON RIVULARIS, Sw. var. “Inter saxa ad ripas rivulorum.” (306, 1312.)

ERIGERON BELLIOIDES, DC. (304.)

ERIGERON CANADENSIS, L. (1313.)

BACCHARIS PTARMICIFOLIA, DC. (1314.)

PLUCHEA ODORATA, Cass. (308.)

[PTEROCAULON VIRGATUM, DC., var. *P. alopecuroides*, DC. (307.)

LANTANOPSIS, C. Wright, mscr. (n. gen. Melampodinearum.) Capitula biflora, vel flore altero abortivo uniflora, dimorpha. Involucrum biseriale, utrumque 3-4-phyllum, interius membranaceum. Receptaculum minutum, nudum. Corolla *alterius* capituli ♂ rotato-quadrifida, antheris 4 connexis facile separandis exsertis ecaudatis nigricantibus stylum simplicem hispidulum includentibus, flore secundo ♀ vel abortivo nudo; *alterius* corolla ♀ bi-trifida, lobis integris vel obscure crenatis, stylo bifido, ramis ejus revolutis teretibus acutis puberulis, flore secundo ♂ nunc in rudimentum stipiti-forme reducto. Achenium subglobosum, calvum, superne glanduloso-papillosum et tuberculo papilloso minuto coronatum. — Herba suffruticosa, gracilis, strigoso-hispidulo: folia opposita, rhombeo-lanceolata, supra basin serrulata, triplinervia: capitula glomerata, glomerulis terminalibus supra folia suprema subsessilibus vel breviter pedunculatus subsolitariis vel cymas breves constituentibus.

LANTANOPSIS HISPIDULA, C. Wright. mscr. Habitu *Unxia*, verum structura *Tetrantho* et imprimis *Desmocephalo* fortasse parum distincto accedit. “Secus rivulos prope Monte Verde. Flores albi.” (1315.)

MICROCCECIA REPENS, Hook. f. Fl. Galap. — Simillima habitu *Tetrantho litorali* Sw. Stylus floris ♂ in nostra bifidus, supra antheras exsertas prominens, — forsitan in aliis capitulis integer. (312.)

OGIERA RUDERALIS, Griseb. *Melampodium ruderale*, Sw. *Kegelia*, Schultz Bip. *Tetranthus*, Griseb. Pl. Carib. (310.)

ACANTHOSPERMUM HUMILE, DC. (311.)

WEDELIA RETICULATA, DC. “Ad vias.” (1634.)

BIDENS LEUCANTHUS, Willd. (317.)

BIDENS LEUCANTHUS, Willd., forma discoidea, = *B. pilosa*, L. (316.)

BIDENS COREOPSISIDIS, DC. et var. foliis superioribus magis dissectis. *Cosmos luteus*, Bot. Mag. t. 1689. (314.)

[BIDENS BIPINNATUS, L. 315.]

[COSMOS CAUDATUS, Kunth. Specimina pauca coll. 1856-7. 318.]

VERBESINA (HAMULIUM) ALATA, L. (1316.)

ANCISTROPHORA WRIGHTII, A. Gray in Mem. Amer. Acad. Genus ex achenio marginato *Spilanthi* affine. [Melius a Schultz Bip. in Bonplandia 1861 ad *Hamulium* allatum.] "Prope Monte Verde, in calcareis rupibus." (1317.)

SALMEA GRANDICEPS, Cass. *S. scandens* DC. excl. syn. Linn., et *S. Eupatoria* β. DC. (309, 771.)

ISOCARPHA ATRIPPLICIFOLIA, R. Br. (Sine numero.)

[SYNEDRELLA NODIFLORA, Gærtn. 320.]

CHRYSANTHELLUM PROCUMBENS, Rich. (319.)

CALYDERMOS? SPILANTHOIDES, Griseb. (n. sp.): caule gracili striato-angulato glabro; foliis petiolatis rigidis elliptico-oblongis mucronatis remote mucronato-denticulatis repandisque triplinerviis supra glabris lucidis subtus ad venas hispidulis; pedunculo terminali folia summa subæquante tricephalo; capitulis hemisphæricis subsessilibus, vel lateralibus pedicellum subæquantibus; involucri sub-biseriato, squamis ovato-deltoides; paleis superne dilatis acutiusculis; achenio prismatico 4-3-gono calvo apice minutissime denticulato glabro. — Corollæ non extant: receptaculum breviter conicum. Folia *Spilanthæ insipidæ* Jacq., quæ pedunculis elongatis et achenio differt. — "In jugo montium, prope St. Jago." (313.)

PECTIS (PECTIDIUM) PUNCTATA, Jacq. (290, 1630.)

POROPHYLLUM RUDERALE, Cass. *P. ellipticum* Cass. (321.)

GNAPHALIUM ALBESCENS, Sw. var. CUBENSE, Griseb.: foliis discoloribus supra glabrescentibus; involucri squamis interioribus cuspidatis. Accedit ad formas Boreali-Americanas (*G. polycephalum* Michx.) involucri squamis obtusioribus distinctis. (322.)

[GNAPHALIUM AMERICANUM, Mill., Sw. 323.]

NEUROLÆNA LOBATA, R. Br. (325, 772.)

[ERECHTHITES HIERACIFOLIA, Raf., var. fere *carduifolius*. Coll. 1856-7, 324.]

[EMILIA SONCHIFOLIA, DC. Coll. 1856-7, 326.]

SENECIO TRINEURUS, Griseb. (n. sp.): *Conogynoxys*, fruticosus, volubilis, glaber; ramulis striato-cylindricis, florentibus brevibus; foliis ovatis vel ellipticis acutis integerimis triplinerviis in petiolum subæquilongum contractis (1-2 poll. longis); corymbis fastigiatis simpliciusculis; involucri squamis 10-12 oblongis acutiusculis (3 lin. longis), accessoriis linearibus erectis triplo brevioribus; ligulis 8 spathulatis involucri

sesquilingiori; disci floribus 16 – 24. — “Prope Monte Verde: alte scandens.” [Folia quandoque hinc vel utrinque basi unidentata vel subhastato-angulata.] (327.)

SENECIO PLUMBEUS, Griseb. (n. sp.): *Conogynoxys*, fruticosus, glaber vel glabrescens; ramulis striato-angulatis; foliis lanceolatis vel lanceolato-oblongis breviter acuminatis basi in petiolum attenuatis superne repandis remoteque denticulatis livido-virentibus (4 – 6 poll. longis), venis tenuibus pinnatis; corymbis pedunculatis simpliciusculis; involucri squamis 8 oblongis (2 lin. longis) obtusiusculis, accessoriis latiusculis basi connexis quadruplo brevioribus; ligulis 8 obovatis involucri $\frac{1}{3}$ longioribus; disci floribus 8 – 16; achenio hirto. — Species foliis rigidiusculis minutissime pellucido-punctatis et venulis libere dichotomis sequenti affinis. — “Prope Monte Verde ad ripas rivulorum. Caulis 10 – 15-pedalis, basi circa poll. 2 diametro.” (328.)

SENECIO POLYPHLEBIUS, Griseb. (n. sp.): *Syllepsis*,* arborescens, glaber; ramulis angulatis; foliis elongatis lanceolato-oblongis acutis remote denticulatis basi integerima in petiolum attenuatis (12 – 6 poll. longis), venis primariis numerosis pinnatis; corymbis pedunculatis sæpe divisis; involucri squamis junioribus connexis, lobis 5 ovato-oblongis obtusiusculis tubo campanulato triplo brevioribus, squamis accessoriis paucis minute deltoideis; floribus 5 parum exsertis; achenio glabro. — “Prope Monte Verde, secus ripas rivulorum in sylvis opacis. Caulis 20-pedalis.” (329.)

SENECIO VULGARIS, L. “In ruderalibus et cultis.” (1318.)

LIABUM BROWNEI, Cass. (289.)

LIABUM WRIGHTII, Griseb. (n. sp.): herbaceum; caule simplici adpresse lanuginoso superne aphylo; foliis spathulato-lanceolatis obtusiusculis eroso-denticulatis supra sparsim pilosulis virentibus subtus niveo-tomentosis sensim in petiolum attenuatis (12 – 6 lin. latis), imis rosulatis, petiolis elongatis alatis quandoque sinuato-dentatis basi subdistinctis; corymbo oligocephalo simpliciusculo; antheris caudatis; pappo molli stramineo subuniseriali, pilis exterioribus brevibus paucis vel nullis. — “In sylvis densis secus rivulos, prope Monte Verde.” (288.)

[LERIA NUTANS, DC. Coll. 1856 – 7. 331.]

LERIA MEDIA, Griseb. (n. sp.): foliis lyratis, segmento terminali ovato-oblongo (1 – 1 $\frac{1}{2}$ poll. lato) basi subtruncato, cæteris rotundatis deorsum decrescentibus; involucri squamis linearibus acutis; rostro achenii abbreviato. — Folia *L. nutantis* DC., capitula parva (involucro 4 lin. longo) *L. pumilæ* DC. (332.)

LERIA PUMILA, DC. “Ad Monte Verde.” (333.)

TRIXIS FRUTESCENS, P. Browne. (330.)

* *Senecio* sect. SYLLEPIS. Capitulum discoideum; involucri squamis connatis. Corollæ basi sensim dilatæ. Styli tumor basilaris hemisphæricus; rami apice truncati.

LOBELIACEÆ.

SIPHOCAMPYLUS MANETTIIFLORUS, Hook. Bot. Mag. t. 4403. "In præruptis prope Monte Verde." (339.)

LOBELIA CLIFFORTIANA, L. (340.)

TUPA ASSURGENS, A. DC. "In agris rudis, secus margines sylvarum, ad Monte Verde." (338.)

TUPA IMBERBIS, Griseb. (n. sp.): foliis elliptico-vel obovato-oblongis acutiusculis basi in petiolum attenuatis sinuato-dentatis, venis subtus piliferis vel glabrescentibus; racemo laxo glabrescente apice cernuo, pedicellis bracteam breviter linearem 4-3-plo superantibus; calycis tubo turbinato-hemisphærico, lobis subulatis corolla (pollicari) tenui apice incurva glabra purpurascente quadruplo brevioribus; staminibus glaberimis; antheris omnibus barba terminali destitutis. — Folia 5-4 poll. longa [venis subtus grosse reticulatis], superiora decrescentia, ovata, inferiora 2-1½ poll. lata. — "In sylvis opacis prope Monte Verde." (1319.)

ISOTOMA LONGIFLORA, Presl. (337.)

MYRSINEÆ.

MYRSINE LÆTA, A. DC. Specimina fructifera. (350.)

WALLENIA CLUSIIFOLIA, Griseb. Fl. Ind. Occ. "Prope Monte Verde, in montanis: arbuscula." (352, [460,] 1332.)

ARDISIA BUMELIOIDES, Griseb. (n. sp.): glabra; foliis rigidis chartaceis obovatis spathulatisque (4-3 poll. longis) obtusis basi cuneata in petiolum attenuatis integerrimis subimpunctatis, venis costatis subtus prominulis reticulo connexis, venulis extimis liberis; paniculis contractis corymbosis sessilibus terminalibus seu lateralibus; pedicellis drupa brevioribus; calyce 5-(-6-) partito, segmentis ellipticis acutiusculis serrulatis demum reflexis; stylo brevi filiformi; stigmatibus minuto truncato. — Specimina fructifera, sed affinia videntur *A. Xylosteoidi* Griseb., quæ sectionem *Anardisiam* Griseb. format. Drupa lin. 2 diametro, parce glandulosa: semen basi excavatum, albumine cartilagineo. — "Ad Monte Verde in sylvis opacis. Frutex biorgyalis, drupis immaturis e virido purpureis." (351.)

ARDISIA MULTIFLORA, Griseb. (n. sp.): *Euardisia*, glabra; foliis coriaceis spathulatis vel obovato-oblongis obtusiusculis basi cuneata subsessilibus integerrimis impunctatis aveniis; panicula terminali effusa pyramidata, pedicellis umbellatim 2-5-natis gracilibus, bracteis minutis deciduis; calyce minuto 5-4-fido, lobis obovatis acutis; corollæ (2 lin. diam.) segmentis ovatis obtusiusculis æstivatione contortis; antheris conicis cuspidatis rima longitudinali dehiscentibus filamentis tenui æquilongis; stylo filiformi;

stigmatē minuto. — Folia 4–2, panicula 6–8 pollices longa. — “Prope Monte Verde. Arbor gracilis: flores cum tota panicula alba.” (1334.)

ARDISIA JACQUINOIDES, Griseb. (n. sp.): glabra; foliis coriaceis spathulato-lanceolatis integerrimis margine revolutis basi in petiolum attenuatis minute punctatis subtus venosis; racemis axillaribus et terminalibus paucifloris folio duplo superatis; calyce 5-partito, segmentis ovato-rotundatis ciliolatis a drupa reflexis. — Specimen fructiferum, habitu exacte *Jacquiniam armillarem* referens, sed drupa monosperma, semen basi excavatum, embryone respectu drupæ transverso, albumine cartilagineo. Folia tripollicaria, 6–10 lin. lata. Drupæ 3 lin. diametro. (349.)

JACQUINIA RUSCIFOLIA, L., Jacq. Amer. t. 57. (353, et in nonnullis, errore quadam, 349, qui numerus ad præcedentem spectat.)

[No. 1333 est *Myrsinea* quædam a Grisebachio omissa, specimina imperfecta.]

SAPOTEÆ.

CHRYSOPHYLLUM OLIVIFORME, Lam. (344 [coll. 1859], 1322.)

[CHRYSOPHYLLUM CAINITO, L. 344, coll. 1856–7. fl. & fruct.]

CHRYSOPHYLLUM GLABRUM, Jacq. (345, 1328, 1636.)

LUCUMA PAUCIFLORA, A. DC., forma latifolia. (346, 346*.)

SAPOTA POLITA, Griseb. (n. sp.): *Micropholis*; ramulis pedicellisque rufo-sericeis; foliis elliptico-lanceolatis vel oblongis in acumen angustum obtusum apice protractis nitido-glabris politis margine subrecurvis (2–4 poll. longis); pedicellis geminis vel solitariis; calyce 5-partito rufo-sericeo; corolla basi lata ad medium 5-fida, lobis rotundatis (lin. 2 longis); antheris deltoideo-subrotundis appendices incurvas subæquantibus; bacca globosa apiculata polita 4-loculari 4-sperma (16 lin. diam.). — Proxima *S. rugosæ*, Griseb. Fl. Ind. Occ. (*Chrysophyllo*, Sw.), a qua foliis angustioribus et bacca polita differt. Pericarpium tenue: semina pollicaria, subtrigono-convexa, testa dura nitide fusca, hilo pallido longitudinali a placenta soluto: albumen carnosum: radícula infera, cotyledonibus planis crassiusculis, margine altero hilo contiguo. — “In sylvis prope Monte Verde. Arbor excelsa: flores albi: fructu rubro.” (1323.)

SIDEROXYLON MASTICHODENDRON, Jacq. *Bumelia pallida*, Sw.! (1324.)

SIDEROXYLON DICTYONEURUM, Griseb. (n. sp.): ramulis glabratis; foliis elliptico-oblongis vel ellipticis (2–1-poll. longis) acutis glabris subtus pallidis reticuloque venarum prominulo exsculptis longiuscule petiolatis; pedicellis fasciculatis puberulis petiolo vulgo brevioribus; calyce [4–] 5-phyllo crassiusculo extus pubescente corolla [4–] 5-partito parum superato; filamentis brevibus appendices ovatas subintegras æquantibus corollæ segmentis subduplo superatis; antheris ovatis latere dehiscentibus; ovario

biloculari. — Characteribus accedit ad *S. elegans*, A. DC., idemque ad genus certius determinandum seminis cognitione eget. — “In sylvis prope Monte Verde: arbor medicocris.” (1329, 1330.)

DIPHOLIS MONTANA, Griseb. *Bumelia montana*, Sw. (1326, 1327, 1637.)

DIPHOLIS SALICIFOLIA, A. DC. (1325.)

BUMELIA GLOMERATA, Griseb. (n. sp.): ramulis calycibusque rufo-sericeis; foliis spathulatis obovatisque (12–6 lin. longis) obtusis basi obtusiusculis rigidis margine subrecurvis glabris breviter petiolatis; floribus glomerato-subsessilibus; corolla quinquefida calyce sesquolongiori, appendicibus exterioribus parvis ovatis acutis, interioribus deltoideis serratis; bacca retuso-subglobosa (4 lin. diam.). — Habitus fere *Vaccinii*; a cæteris Indiæ Occidentalis *Bumeliis* differt floribus subsessilibus, corolla ad medium divisa et bacca (in unica specimine visa) disperma: structura vero seminis ignota est. (347.)

STYRACEÆ.

SYMPLOCOS CUBENSIS, Griseb. (n. sp.): ramulis hirsutis; foliis ($1\frac{1}{2}$ –1 poll. longis) ovalibus obtusis margine revolutis subintegerrimis vel superne repando-crenulatis supra glabris subtus ad medianum hirsutis; pedunculis unifloris cernuis petiolum subæquantibus; calycis lobis ovato-subrotundis obtusiusculis ciliatis, bracteolis subrotundis ciliatis remotiusculis; petalis 5 obovato-oblongis; staminibus monadelphis; drupa ovoideo-oblonga triloculari (5 lin. longa). — Eandem legit Linden (Cub. no. 1831). — “In sylvis ad Monte Verde. Arbor sat grandis: flores pallide purpurei.” (1135, 1321.)

EBENACEÆ.

DIOSPYROS TETRASPERMA, Sw.; Jacq. Schœnb. t. 312. (348.)

MACREIGHTIA CARIBÆA, A. DC.; Griseb. Fl. Ind. Occ. p. 404, adn. (1331.)

OLEINEÆ.

FORESTIERA PORULOSA, Poir. (411.)

HÆNIANTHUS SALICIFOLIUS, Griseb. (n. sp.): foliis rigidis lanceolatis subacutis apice ipso obtusiusculis basi in petiolum 4–6-plo brevioribus attenuatis, venis inconspicuis; antheris ovoideo-subrotundis pistillum superantibus; drupa ovoideo-subglobosa (lin. 8 longa). — Congener *H. incrassato*, Griseb. Fl. Ind. Occ. (*Chionantho*, Sw.): pedicelli ut in eadem stirpe crassiusculi, in panicula terminali ternati. (409, coll. 1856–7.)

LINOCIERA LIGUSTRINA, Sw. (409, coll. 1859, et 410, 1387, 1387^a.)

LINOCIERA COMPACTA, R. Br. (408.)

LINOCIERA AXILLIFLORA, Griseb. (n. sp.): *Ceranthus*; foliis rigidis lanceolato-ellipticis acutiusculis glabris; corymbis axillaribus abbreviatis petiolum duplo fere superantibus; pedicellis puberulis ternatis calycem subæquantibus; antheris obtuse deltoideis. — “Monte Verde. Arbor humilis, gracilis, albiflora.” (1338.)

APOCYNEÆ.

STRYCHNOS GRAYI, Griseb. (n. sp.): ramulis puberulis spinosis, spinis patentibus oppositis; foliis membranaceis ovato-oblongatis obtusatis (8–10 lin. longis) triplinerviis subtus in axilla nervorum penicillato-pilosiusculis; corymbis terminalibus paucifloris; corolla minuta profunde quinquefida, lobis intus barbatis. “Prope Monte Verde in dumetis. Scandens: flores viriduli, baccis rubellis.” (1304.) [Et 432, coll. 1856–7.]

THEVETIA NERIIFOLIA, Juss. (1380.)

RAUWOLFIA SALICIFOLIA, Griseb. (n. sp.): glabra; foliis quaternis obverse lanceolatis obtusiusculis basi attenuata subsessilibus supra nitidis subtus glaucescentibus, venis inconspicuis; cymis paucifloris, pedunculo folium dimidium subæquante; calyce 5-fido (pedicello duplo) corollæ tubo (5 lin. longo) 4–5-plo breviori, lobis obtuse deltoideis margine subglandulosis; corolla ad faucem plica brevi coarctata, lobis tubo duplo brevioribus. — “Ad Monte Verde in sylvis opacis: arbor humilis, albiflora.” (1386.)

RAUWOLFIA NITIDA, L. (397, 1383, 1384.)

ANECHITES ASPERUGINIS, Griseb. Fl. Ind. Occ. *Echites*, Sw. (1663.)

PLUMIERIA OBTUSA, L., γ . *LÆVIS*, Griseb.: foliis apice rotundatis lævigatis, venis secundariis inconspicuis; corollæ tubo lin. 10 lobis 10–18 longis. (1382.) δ . *PARVIFLORA*, Griseb.: foliis apice rotundatis vel obtusiusculis lævigatis, venis inconspicuis; corollæ tubo lin. 2–4 lobis 6–8 longis. Ic. Lam. Ill. t. 173, f. 2. (1381.)

PLUMIERIA FILIFOLIA, Griseb. (n. sp.): foliis dense approximatis filiformi-linearibus gramineis glabris sessilibus, venis inconspicuis, mediano prominulo planiusculo; cyma pedunculata pauciflora, bracteis brevibus subtruncatis; calycis lobis mucronato-rotundatis; corolla supra basin tubi puberulam staminifera, lobis ovalibus seu obovato-oblongis plerumque tubo longioribus; folliculis oblongo-linearibus paullisper reticulato-venosis; seminibus alæ subæquilongis, ala ad basin hinc producta. — Folia 6–4 pollices longa semilineam lata, utrinque attenuata: corollæ tubus 8–6, lobi 10–8 lin. longi. — “Ad Nouvelle Sophie. Arbor parvula.” (396, 1660.)

FORSTERONIA CORYMBOSA, Mey. Florif. et fructif. (398.)

THYRSANTHUS ? CORYLIFOLIUS, Griseb. (n. sp.): ramulis glabratis; foliis oppositis late ellipticis (3–4 poll. longis) mucronatis supra glaucescentibus subtus venosis et cum petiolo pilosiusculis, venis secundariis transversis subtus prominulis; inflorescentia con-

tracta spiciformi; calyce subsessili, segmentis ovatis acutiusculis pubescentibus intus uniglandulosis; corolla; folliculis cylindricis, junioribus dense pubescentibus. — Affinis videtur *T. spicato* (*Forsteroniæ*, Mey.) sed pube differt. “Prope Santa Catalina de Guantanamo, etc.: scandens.” (1664.)

ECHITES ROSEA, A. DC. *E. myrtifolia*, Roem. & Schult., non Poir. *Mesechites myrtifolia*, J. Mull. (1662.)

ECHITES UMBELLATA, Jacq., var. LONGIFLORA, Griseb.: foliis ovalibus seu ovatis, arcibus venarum a margine distantibus; floribus subsolitariis; corolla “viridi-lutea,” tubo (lin. 20 longo) calycem quatuordecies lobos obovato-oblongos quater superante. (1661.)

ECHITES CALYCOSA, Rich. Cub. Calyce magno foliaceo sub folliculis persistente habituque accedit ad *Lasequeam*, genus vix admittendum: cum descriptione ejus quoque convenit antheris corneis e basi obtuse cordata acuminatis, corollæ tubo intus piloso glandulisque disci partim distinctis. Specimina plura et a cl. Wright et a cl. Rugel missa speciem floris magnitudine, proportione partium et corollæ loborum forma valde variabilem ostendunt: calycis segmenta basi minute squamata lineas 6–12, corollæ “albæ” lobi oblongi vel oblique obovati pollices 1–2 longi, tubo sesquilingiores vel quadruplo fere ipsum superantes. (1377.)

ECHITES VALENZUELANA, Rich. Cub. *Rhabdadenia Wrightiana*, J. Mull.! Sed propter comam in seminis apice truncato sessilem non est *Rhabdadenia*, sed cum *Echitidis*, J. Mull. caractere consentanea, etsi species caule fruticoso erecto, corolla infundibuliformi, et pedicellis 1–2 axillaribus in genere anomala. — “In pinetis prope Monte Verde. Arbor parvula, gracilis.” (399.)

ECHITES SUBERECTA, Jacq. (400.)

ECHITES JAMAICENSIS, Griseb. Fl. Ind. Occ. *E. Domingensis*, Sw., non Jacq. (1376.)

ASCLEPIADEÆ.

ASTEPHANUS OVALIFOLIUS, Rich. Cub. (403, 1379.)

ASTEPHANUS CUBENSIS, Kth., var. PAUCIFLORUS, Griseb.: pedicellis geminis vel subsolitariis. — Forma habitu cum icone Kunthiana (Nov. Gen. t. 237) plane conveniens: columna plicis geminatis decurrentibus alternantibus insignis. (404, 1665.)

AMPHISTELMA FILIFORME, Griseb. Fl. Ind. Occ. (405.)

[ASCLEPIAS CURASSAVICA, L. 401.]

ASCLEPIAS NIVEA, L. (402.)

SARCOSTEMMA BROWNEI, Mey. (1666.)

OXYPETALUM RIPARIUM, Kth. Nov. Gen. t. 231. (406.)

GONOLOBUS TIGRINUS, Griseb. (n. sp.): ramis pube reversa petiolisque hispidulis;

foliis e basi cordata vel subcordata oblongo-lanceolatis apice attenuatis glabriusculis vel in nervos subtus parce hispidulis; corymbis paucifloris subsessilibus abbreviatis petiolum æquantibus; calyce hispidulo corolla ter breviori, segmentis ovalibus; corolla venis picta extus parce puberula intus glabra (lin. 5 – 6 diam.) 5-loba, lobis orbicularibus tubo planiusculo parum longioribus; corona subintegra scutelliformi. (1667.)

FISCHERIA SCANDENS, DC., Deless. Ic. 5. t. 77. (1378.)

MARSDENIA CLAUSA, R. Br. *M. affinis*, Rich. Cub. (1374.)

MARSDENIA CAMPANULATA, Griseb. (n. sp.): fruticosa, scandens; ramulis bifariam puberulis; foliis lanceolatis elliptico-lanceolatis vel spathulato-oblongis breviter acuminatis basi attenuatis glabris nitidis subtus pallidis; cymæ pedunculis petiolum subæquantibus; sepalis orbiculatis ciliatis corollæ tubo duplo brevioribus; corolla campanulata glabra ad faucem dense barbata, lobis subrotundis tubo urceolato plus duplo brevioribus; coronæ squamis carnosissimis ovatis obtusis infra medium antheræ adnatis; pollinariis ovoideis; stigmatibus umbonatis. — “Ad Monte Verde. Scandens, 6 – 10-pedalis, floribus viridulo-albis.” (1375.)

[GONOLOBUS sp. affinis *G. rostrato* et *Martinicensi*, sed pedunculo communi nullo, sepalis lanceolatis: specimina pauca in coll. 1856 – 7, a Grisebachio haud visa. 407.]

GENTIANEÆ.

SABBATIA GRACILIS, Salisb., var. CUBENSIS, Griseb.: foliis lanceolatis; floribus paucis subfastigiatis longe pedicellatis; calycis segmentis spathulato-linearibus acutis post anthesin excrescentibus. (412.)

GÆPPERTIA VOLUBILIS, Griseb. in Jour. Linn. Soc. 6, p. 141.* *Coutoubea volubilis*, Mart. “Ad Monte Verde. Corolla tubo flavido, limbo albo.” (1372.)

LISIANTHUS THAMNOIDES, Griseb. Fl. Ind. Occ. (1347.)

LEIANTHUS LONGIFOLIUS, Griseb. β. GRACILIS, Griseb.: forma corolla pollicari. (413.)

ZONANTHUS CUBENSIS, Griseb. in Jour. Linn. Soc. l. c. p. 145. (nov. gen.†) “In montanis prope La Perla, etc. Frutex 10-pedalis.” (1346.)

* GÆPPERTIA, Nov. Gen. (non Nees). Calyx 5-partitus, 2-bracteolatus. Corolla infundibuliformis, marcescens, limbo 5-partito. Stamina 5, e tubo corollæ exserta; filamentis brevibus infra faucem insertis; antheris erectis oblongis immutatis. Ovarium uniloculare; stylo deciduo; stigmatibus indiviso ovoideo, basi in marginem prominulum producto. Capsula bivalvis, septicida; valvulis paullo introflexis. Semina reticulata marginalia, funiculis dentiformibus inserta. Herba volubilis: folia lanceolata, paribus plerisque distantibus; cymæ trifidæ vel trichotomæ, in racemum elongatum dispositæ (aut sec. Mart. racemus simplex, terminalis). Griseb. l. c.

† ZONANTHUS. Involucrum calycem cingens, foliolis geminis rotundatis in tubum breviorum connatis, tubo cupuliformi apice intus in marginem annularem integrum producto. Calyx campanulatus, ecarinatus, demum

VOYRIA PALLIDA, Garcke! Parum differt a *V. uniflora*, Lam. squamis oppositis et corollæ lobis ovato-oblongis obtusiusculis. (415, 1373.)

[EUSTOMA EXALTATUM, Griseb. Coll. 1856 - 7, 414.]

SCROPHULARIACEÆ.

BUDDLEIA AMERICANA, L. [Flores ex cl. Wright albi nec flavi.] (1297.)

[SCOPARIA DULCIS, L. Coll. 1856 - 7, 376, 377.]

CAPRARIA BIFLORA, L. (375.)

STEMODIA DURANTIFOLIA, Sw. (1639.) [Et 375 coll. 1856 - 7 pro parte.]

[STEMODIA MARITIMA, L., sine numero, et STEMODIA PARVIFLORA, Ait. coll. 1856 - 7, 374.]

HEMIANTHUS CALLITRICHOIDES, Griseb. (n. sp.): foliis oppositis minutis ($1 - 1\frac{1}{2}$ lin. diam.) subrotundis pedicellum filiformem parum superantibus; corollæ labio superiori obsoleto, inferiore trifido, lobis oblongis obtusis, medio sesquolongiori; filamentis basi dente minuto auctis. — *H. micranthemoides*, Nutt. (ex icone Jour. Acad. Philad. 1, t. 6,) fig. inf. plantam simillimam exhibet, distinctam vero foliis spathulatis, corollæ labio inferiori tripartito, segmento ejus medio "lineari-ligulato" lateralibus multo longiori inflexo, et imprimis dentibus filamentarum filamento ipsi æquilongis. Character generis Nuttallianus omnino quadrat in nostram plantam: inde a *Micranthemo* potius ad Sibthorpieas (inter *Hydranthe* et *Limosella*) transponendum erit, a *Micranthemo* calyce 4-dentato unilateraliter fere ad basin fisso, corollæ labio superiori obsoleto, stylo bifido, ejusque ramis filiformibus diversum. — "Secus rivulos in saxis madidis cæspitosum." (378.) [Atque etiam 268 coll. 1859 - 60, necnon forma vegetior in rivulis ad Cobre, 1640, pro parte. Specimina cum iis *Oldenlandiæ callitrichoidis* male confusa: vide p. 506.]

SCROPHULARIA MICRANTHA, Desv. (non Urv.): *Venitia*, annua, glabra; foliis deltoideo-ovatis grosse duplicato-serratis (poll. $1 - 2\frac{1}{2}$ longis); thyrsos terminali laxo glandulifero, cymis paucifloris; calycis segmentis ovato-lanceolatis acuminatis haud marginatis; corolla calyce sesquolongiori (sesquilineam longa), lobis breviter rotundatis, 4 superioribus æqualibus, inferiori paullo longiori; staminibus exsertis, rudimento quinti nullo. fissilis, 5-lobus; lobis quadrato-subrotundis planis imbricatis margine membranaceis. Corolla hypocraterimorpha, dextrorsum contorta, ad medium fere 5-loba, tubo campanulato, lobis oblongis obtusis. Stamina medio corollæ tubo inserta; filamentis exsertis; antheris incumbenti-recurvis, loculis connectivo dilatato adnatis. Ovarium placentis suturalibus divisum semi-4-loculare; stylo elongato; stigmatibus bilamellato. Capsula septicida, bivalvis, carpidiis 2 introflexis semi-4-locularis, placentis polyspermis marginalibus; testa reticulata. Frutex: foliis spathulato-oblongis petiolatis, petiolis in vaginam annularem connexis: pedunculi axillares, solitarii, folia subæquant, uniflori: corolla virens. Griseb. l. c.

— “Prope Monte Verde nec non in monte Lomo del Gato, secus rivulos: corolla alba.” (372, 1345.)

SOLANÆ.

SCHWENKIA ADSCENDENS, Kunth., Nov. Gen. & Sp. t. 180. (373.)

BRUNFELSIA PURPUREA, Griseb. (n. sp.): glabrescens; foliis spathulato-lanceolatis obtusiusculis basi in petiolum brevem attenuatis vel subsessilibus (poll. 2 – 1½ longis); calyce breviter campanulato 5-dentato pedicellis subsolitariis cernuis multo breviori, dentibus rotundatis; corolla purpurea, tubo recto (20 – 22 lin. longo) deorsum attenuato calyce decies limbo ter longiori, lobis rotundatis integris; stigmatibus breviter exserto. — “In sylvis densis prope Monte Verde. Frutex 4 – 6-pedalis, floribus atropurpureis.” (393.)

BRUNFELSIA VINCIFLORA, Griseb. (n. sp.): glabrescens; foliis elliptico-lanceolatis acutiusculis basi in petiolum brevem attenuatis vel subsessilibus (1½ – 1 poll. longis); calyce breviter campanulato 5-dentato pedicellis subsolitariis multo breviori, dentibus ovato-rotundatis; corollæ tubo incurvo cylindrico (10 lin. longo) calyce quinquies limbo duplo longiori, lobis rotundatis integris; bacca globosa indehiscente (8 – 6 lin. diam.). — “Prope Monte Verde. Frutex 1 – 3-pedalis, floribus purpureis.” (394, 1349.) [Huc forte specimina fructifera coll. 1856 – 7, 335.]

SOLANDRA LONGIFLORA, Tuss. “Arbores excelsas scandens. Corolla suaveolens, limbo albo, tubo inferne sensim viridescenti lineis 10 rubellis percurso.” (1348.)

DATURA SUAVEOLENS, Humb. & Bonpl. “Secus rivulos: frutex circiter 10-pedalis.” (1641.)

CAPSICUM BACCATUM, L. (384.)

SOLANUM NODIFLORUM, Jacq. (384.)

SOLANUM TRISTE, Jacq. (388.)

SOLANUM CALLICARPIFOLIUM, Kunth. (379.)

SOLANUM VIRGATUM, Lam.; Dun. Sol. t. 4. *S. radiatum*, Sendtn. Ab affini *S. lento* Cav. differt foliis supra glabriusculis, calyce tomentoso et appendicibus ejus 10 brevioribus. Specimina extant præterea e Haiti, Teapa, Panama, Venezuela, Ecuador, et Peruvia. (385.)

SOLANUM AQUARTIA, Dun. — Jacq. Amer. Pict. t. 15. (1642.)

SOLANUM CROTONOIDES, Lam.; Dun. Sol. t. 15. Bacca matura pollicem diametro. (382.)

SOLANUM JAMAICENSE, Sw.! (380.)

[SOLANUM CARDIOPHYLLUM, Dun. Coll. 1856 – 7, 381.]

[SOLANUM INCLUSUM, Griseb., vel affine, a Grisebachio casu ommissa. 1350.]

CESTRUM HIRTUM, Sw. “Baccæ cæruleæ.” (386.)

CESTRUM LAURIFOLIUM, L'Her. (1352, 1352^a.)

CESTRUM DAPHNOIDES, Griseb. (n. sp.): ramulis villosopubescentibus; foliis lanceolato-oblongis (2 – 1½ poll. longis) obtusis subcoriaceis subtus puberulis; floribus subsessilibus glomeratis vel solitariis; calycis dentibus minutis; corolla (semipollicari) glabra, tubo filiformi sursum paullo dilatato, lobis ovatis obtusiusculis; staminibus inclusis infra faucem corollæ insertis, filamentis anthera triplo longioribus edentatis glabris; bacca (juniori) oblonga. — Idem in Insula S. Thomas legit Holton. — “Cult. ad Monte Verde: flores flavido-viriduli.” (1351.)

[CESTRUM DIURNUM, L. et C. MACROPHYLLUM, Vent.? in coll. 1856 – 7 commixta, 387.]

BIGNONIACEÆ.

CRESCENTIA CUJETE, L. (361^a) et C. CUCURBITINA, L. (361.)

SCHLEGELIA PARASITICA, Miers. *Tanæcium parasiticum*, Sw. (434.)

JACARANDA SAGRÆANA, DC. *Tanæcium paniculatum*, Sieb. Martin. 87. A simili *J. cærulea*, Griseb. (*J. Bahamensi*, DC., non R. Br.) differt corolla breviori (pollicem longa) puberula, et imprimis capsula elliptico-oblonga basi acutiuscula apice obtuse apiculata duplo angustiori (lin. 8 lata). “In pinetis. Corolla purpurea.” (360.)

TECOMA LEUCOXYLON, Mart. (1339.) Var. minus lepidota. (1338.)

TECOMA LEPIDOPHYLLA, Griseb. *Bignonia lepidophylla*, Rich. Cub. t. 59. Affinis *Tabebuia simplicifolia* DC., ad *Tecomam* revocandis. Diagnosi apud A. Richard hæc addentur: folia opposita vel alterna, basi rotundata vel angustata, supra demum virentia squamisque amissis nitida, subtus candido-lepidota: calyx junior clausus, ovoideus, demum breviter bilabiatus, labiis inæqualibus sæpe rotundato-integris: antheræ loculi oblongi, divergenti-pendula: ovarium disco prominulo cinctum, placentis dilatatis medio contiguis biloculare: capsula siliquiformis, teretiuscula, 3 – 5 poll. longa, valvis tricarinatis, dissepimento contrario planiusculo subcarnoso: semina lin. 10 longa, ipsa ovoideo-rotunda, rhapshe impressa, ala utraque rotundata pellucida diametro loculi æquali.* — “In præruptis ad Monte Verde: arbor circiter 50-pedalis, floribus purpureis.” (1341.)

* Species Cubensis *T. lepidophyllæ* Griseb. affinis est: —

TECOMA MYRTIFOLIA, Griseb. (n. sp.): fruticosa, tortuosa, glabra; ramis vetustis spinescentibus; foliis simplicibus sparsis vel fasciculatis lepidotis subtus candidis minutis (lin. 3 – 4 longis) spathulato-oblongis brevissime petiolatis rigidis margine revolutis, mediano supra impresso; fasciculis paucifloris; calyce lepidoto inæqualiter 5-dentato corolla quadruplo breviori; corolla glabra inferne tenui duplo stamina superante; antheræ loculis oblongo-linearibus strictis, altero erecto, altero pendulo; capsula lineari-acuminata teretiuscula, valvis carinatis; seminum alis loculum subæquantibus. — Legit Rugel prope Matanzas.

BIGNONIA UNGUIS, L. (359, 1340.)

PITHECOCTENIUM AUBLETII, Splitg. (1337.)

ACANTHACEÆ.

RUELLIA GEMINIFLORA, Kth., γ . CANESCENS, Griseb. *Dipteracanthus canescens* Nees in DC. (366.)

RUELLIA TUBEROSA, L. *Cryphiacanthus Barbadosensis* Nees. (1343.)

STENANDRIUM SCABROSUM, Nees. *Ruellia scabrosa* Sw. (1344.)

PACHYSTACHYS COCCINEA, Nees. (362.)

DIANTHERA OBTUSIFOLIA, Griseb., var. HIRSUTA. *Rhytiglossa obtusifolia*, β . Nees in DC. (367.)

DIANTHERA PEPLOIDES, Griseb. (n. sp.): caule filiformi repente (1–3-pollicari) glabrescente; foliis ovato-subrotundis petiolatis minutis (2–1½ lin. diam.); floribus 3 (–1) in spica simplici distantibus; calycis segmentis 5 lineari-acuminatis corolla triplo brevioribus; corollæ labiis tubo quadruplo brevioribus; antherarum loculis oblongis contiguis parallelis, altero altiori; capsula elliptica puberula in unguem æquilongum contracta. — Affinis *D. reptanti* (*Rhytiglossæ* Nees). — “Prope Monte Verde, ad saxos secus rivulorum margines. Corolla alba, palato sparsim rubro-guttato.” (365.)

[DIANTHERA REPTANS, Griseb. Coll. 1856–7, specimina pauca; in nonnullis spica demum elongata multiflora. 364.]

[DIANTHERA COMATA, L. 363.]

ANTHACANTHUS SPINOSUS, Nees. (368, 369.)

ANTHACANTHUS BISPINOSUS, Griseb. (n. sp.): glabrescens; spinis setaceis (3–4 lin. longis) utrinque geminis patentibus folia rhombeo-oblonga vel ovato-oblonga paucidentata acuta membranacea sæpe æquantibus; floribus solitariis subsessilibus; calycis segmentis inæqualibus, majori lanceolato capsulam subæquante, binis lineari-setaceis; capsula lanceolata (2 lin. longa) sessili ad basin usque 4-sperma. — Flos ignotus, sed habitus omnino *A. Jamaicensis* Griseb. (*Justiciæ acicularis* Sw.). — “Prope Monte Verde secus ripas rivulorum. Frutex gracilis, 1–2-pedalis, floribus albis.” [Corollæ nonnullæ in herb. meo repertæ parvæ (lineas 3–4 longæ), hypocraterimorphæ, labio superiori bipartito tubo quadruplo, inferiori alte tripartito tubo triplo breviori, lobis omnibus rotundatis planis: stamina 4; antheræ longiorum didymæ, loculis parallelis basi abrupte mucronulatis, breviorum loculo altero casso vel abortu nullo. Char. floris fere *Chameranthemi* sed habitu diversus.] (1342.)

DICLIPTERA ASSURGENS, Juss. (1638.)

GESNERIACEÆ.

BELLONIA SPINOSA, L. (370.)

RYTIDOPHYLLUM TOMENTOSUM, Mart. (356, coll. 1856 – 7 et Jan. – Jul. 1859.)

RYTIDOPHYLLUM PETIOLARE, DC. A præcedente foliis latioribus petiolatis et corolla coccinea differt. (356, coll. Sept. 1859 – Jan. 1860.)

DUCHARTREA VIRIDIFLORA, Decaisne in Ann. Sci. Nat. Ser. 3, 6, t. 8. (354.)

CONRADIA HUMILIS, Mart. “Corolla lutea.” (355.)

CONRADIA CORRUGATA, Griseb. (n. sp.): suffruticosa, nana, pube hispida; foliis rosulatis valde rugosis lanceolatis subsessilibus crenato-repandis supra muricato-asperis subtus ad costas hispidis; floribus axillaribus breviter pedicellatis coccineis; calycis tubo teretiusculo, lobis ovato-lanceolatis acuminatis trinerviis corolla multo brevioribus; corolla (sesquipollicari) clavata, tubo rectiusculo infra limbum parvum obliquum constricto, lobis minutis rotundatis crenatis. — “Prope Monte Verde: caules e fissuris rupium, nunc brevissime exserentes implexi, nunc pedales nodosi.” (1335.)

COLLANDRA SANGUINEA, Griseb. *Alloplectus sanguineus* Mart. *Besleria* Pers. Tuss. Fl. 1, t. 19. Proxima *C. aureo-nitenti*, Hanst., distincta sepalis corollam subæquantibus. (357.)

COLUMNEA TINCTA, Griseb. (n. sp.): suffruticosa; pilis articulatis longiusculis; foliis obovato-oblongis (5 – 2 poll. longis) sæpe inæqualibus superne obsolete serrulatis vel repando-integerrimis demum subglabratis, ciliis persistentibus; pedunculis fasciculatis petiolum subæquantibus calyceque hirsutis, hoc rubro-colorato corollam dimidiam æquante, segmentis oblongis acutis remote dentatis; corolla “flava” pilosa fere ad medium bilabiata, lobis lateralibus oblongis obtusis patentibus galeæ obtusæ subintegræ vel emarginatæ ad medium adnatis et æquilongis, lobo inferiori oblongo-lineari tubo clavato supra basin rectiusculo parum breviori. — “Epiphytica supra arborum truncos in sylvis densis.” (358, 1336.)

CONVOLVULACEÆ.

[IPOMŒA BONA-NOX, L. *Calonyction speciosum* Chois. 450.]

IPOMŒA TUBEROSA, L. (1657.)

IPOMŒA DISSECTA, Pursh, non R. Br. *I. sinuata* Orteg. (1656.)

IPOMŒA QUINQUEFOLIA, Griseb. *Batatas quinquefolia* Chois. (441 [lapsu calami in coll. 1859 – 60], 448.)

IPOMŒA FASTIGIATA, Sweet. (458, 1648.)

IPOMŒA SIDIFOLIA, Chois. (453, 1655.)

IPOMŒA UMBELLATA, Mey.! Desc. Fl. t. 524. (1649.)

*[IPOMŒA PES-CAPRÆ, Sw. Coll. 1856-7. 452.]

IPOMŒA HEPTAPHYLLA, Griseb. (n. sp.): *Pes-Capræ*, glabra, volubilis; foliis 7-partitis, segmentis spathulatis subsessilibus repando-integerrimis; cymis pedunculatis; sepalis ovatis rotundatis corolla triplo brevioribus, 2 exterioribus brevioribus; corolla supra basin ventricosa purpurea (sesquipollicari); capsula ellipsoidea biloculari calycem adpressum adæquante; seminibus oblongatis ventre glabris dorso villosis margineque lana (semipollicem longa) patente instructis. — Affinis *I. macrorrhizæ* R. S., et verosimiliter est *I. macrorrhiza* Chois. (non R. S. et exclus. syn. Burm.). Specimina Wrightiana juvenilia sunt, sed congrua cum Haitiensibus a Mackenzie collectis. (1371.)

IPOMŒA TENUISSIMA, Chois. (1651.)

IPOMŒA ARGENTIFOLIA, Rich. Cub. Similis *I. lachnea* Spreng.! sed valde distincta.

“Prope Nouvelle Sophie in collibus umbrosis. Corolla atro-coccinea.” (449.)

IPOMŒA RACEMOSA, Poir. *Exogonium* Chois. *Calystegia Berterii* Spreng. in pl. Bertero! (1650.)

[IPOMŒA QUAMŒCLIT, L. Coll. 1856-7, 447. Et *I. COCCINEA*, L., sine numero.]

IPOMŒA PURPUREA, Lam. *Pharbitis hispida* Chois. (451.)

IPOMŒA ACUMINATA, R. S. (non R. P.). *Pharbitis mutabilis* Chois. (1647.)

CONVOLVULUS MICRANTHUS, R. S. (455, 1654.)

CONVOLVULUS HAVANENSIS, Jacq., var. corolla majori. (1653.)

CONVOLVULUS NODIFLORUS, Desc. (1652.)

EVOLVULUS ARBUSCULA, Poir. (456, 1658.)

[EVOLVULUS NUMMULARIUS, L. Coll. 1856-7, 457.]

[DICHONDRA REPENS, Forst. Coll. 1856-7, 459.]

CUSCUTA AMERICANA, L. (1659.)

HYDROLEACEÆ.

NAMA JAMAICENSIS, L. (416.)

BORAGINEÆ.

CORDIA ALBA, R. S. *Varronia calyptrata* DC. (425.)

CORDIA GERASCANTHUS, Jacq. (1644.) [Lapsu calami specimina nonnulla sub no. 1664 distributa.]

CORDIA GERASCANTHOIDES, Kth. (414, 1369.)

CORDIA NITIDA, Vahl, apud West. (1367, fl., 1368, fr.)

CORDIA SULCATA, DC. *C. macrophylla* Vahl! non Mill. (427.)

CORDIA ULMIFOLIA, Juss. (423.)

CORDIA MICROPHYLLA, R. S.: fruticosa, aspera; foliis (4–10 lin. longis) spathulatis vel obovato-subrotundis obtusis rugosis supra bullato-muriculatis subtus adpresse setosis; fasciculis plurifloris breviter pedunculatis folia subæquantibus; calyce campanulato breviter 5-fido strigoso corollæ tubum dimidium æquante, lobis subulatis ab initio distinctis; corolla hypocraterimorpha, lobis obovatis tubum cylindricum dimidium æquantibus; staminibus subinclusis, filamentis glabris corollæ tubo superne insertis. — Eadem est in coll. Linden (Cub. 1723). — “Ad Santa Catalina de Guantnamo: frutex humilis.” (421.)

CORDIA GLOBOSA, Kth. “Prope Santa Catalina etc.” (422.)

EHRETIA TINIFOLIA, L. (1366, 1370.)

BEURERIA VIRGATA, G. Don: hispidula, glabrescens; foliis obovato-oblongis vel elliptico-oblongis obtusiusculis supra vulgo albo-tuberculatis breviter petiolatis (1–2 poll. longis); cymis vulgo paucifloris; corollæ tubo lobos subrotundos ter superante calyce hispidulo duplo longiori; drupa globosa leviter costata. — *Ehretia virgata* Sw.! Specimen Swartzianum in Haiti, aliud a Greene prope Havanam lectum est. (426.)

BEURERIA DIVARICATA, G. Don: ramulis divaricatis glabrescentibus; foliis parvis (4–8 lin. longis) oblongis vel ovali-oblongis subsessilibus convexo-revolutis supra muricato-hispidulis nitidis subtus glabrescentibus; cyma pauciflora; calyce sparsim puberulo drupam globosam dimidiam æquante. — Corolla non exstat: pyrenæ monospermæ eandem ad fluv. Yumury prope Matanzas legit Rugel.* — “In præruptis prope Monte Verde. Frutex 2–5-pedalis, ramis plurimis brevibus rigidis, floribus albis, fructibus rubris.” (1365.)

* Cæteræ *Beureriæ*, in Flora Indiæ Occidentalis nostra expositæ, ex magnis Antillis hæ sunt: —

B. CALOPHYLLA, Griseb.: glabra; foliis *B. Domingensis* Griseb.; cymis expansis; corollæ tubo lobis triplo longiori calycem glabrum duplo superante; drupa ex ic. Rich. ovoideo-globosa pruniformi calyce multo longiori. — Syn. *Ehretia* Rich. Cub. t. 61. In Cuba legit Rugel prope Matanzas eamque arborem parvam dicit.

B. CASSINIFOLIA, Griseb.: ramulis albo-puberulis glabratis; foliis rigidis spathulatis vel obovatis obtusis (10–12 lin. longis) in petiolum brevem attenuatis supra tuberculato-asperis lævibusque utrinque glabris; cymis paucifloris calyceque sericeis; corollæ tubo lobos subrotundos duplo superante calycem æquante. — Syn. *Ehretia* Rich. *E. virgata* DC.! ex specim. Bertero, non Sw. Ab affini *B. Domingensi* differt calyce breviori 2 lin. longo, petiolo brevi 1–2 lin. longo, et foliis parvis: an var.? Bertero legit in Haiti, alia specimina forsitan Vahlia, loco non adscripto, exstant in herbario cl. Sonder.

B. SPINIFEX, Griseb.: ramis calyceque glabris; foliis coriaceis parvis (6–12 lin. longis) spathulatis supra sparsim hispidulo-tuberculatis vel glabratis subtus glaberrimis breviter petiolatis; cymis patentibus paucifloris, pedicellis cernuis; corollæ tubo lobos subrotundos duplo superante calycem paullo superante; drupa globosa 4-costata. — Syn. *Ehretia* R. S. “Frutex vel arbor parva, in rupibus prope Matanzas,” Rugel.

- TOURNEFORTIA HIRSUTISSIMA, L. (419, 1362.)
 TOURNEFORTIA CYMOsa, L. (1645.)
 TOURNEFORTIA BICOLOR, Sw., γ. BRACHYCEPHALA, Griseb. Fl. Ind. Occ. (420.)
 TOURNEFORTIA LAURIFOLIA, Vent. (417, 417^a, 418, 1646.)
 TOURNEFORTIA FERRUGINEA, Lam. (1363.)
 TOURNEFORTIA INCANA, Lam. (1364.)

LABIATÆ.

- HYPTIS CAPITATA, Jacq. (443.)
 HYPTIS SPICATA, Poit. (441 [lapsu calami in distributione pro 444.])
 HYPTIS SUAVEOLENS, Poit. (445, 446.)
 HYPTIS SCOPARIA, Poit. (1608.)
 MICROMERIA OBOVATA, Benth. "In summo jugo montium. Corolla alba, lobis margine rubro-guttatis." (1643.)
 SALVIA TENELLA, Sw., var. foliis subtus pubescentibus. Syn. *S. micrantha* Vahl, formas foliis majoribus speciei Swartzianæ sistens. (1361.)
 SCUTELLARIA PURPURASCENS, Sw. (461.)

VERBENACEÆ.

- [STACHYTARPHA JAMAICENSIS, Vahl. Coll. 1856 – 7, specimina pauca, 442.]
 LIPPIA DULCIS, Trev. (440.)
 LANTANA ODORATA, L. (441.)
 LANTANA TRIFOLIA, L. (1360.)
 [LANTANA CAMARA, L.? Coll. 1856 – 7, specimina pauca, 439.]
 [CITHAREXYLUM VILLOSUM, Jacq.? Coll. 1856 – 7, specimina imperfecta, 438.]
 CITHAREXYLUM LUCIDUM, Cham. & Schlecht.! *S. quadrangulare* Schauer! non Jacq. (435, 436, 1359.)
 CITHAREXYLUM BERTERII, Spreng. (437, 1356.)
 DURANTA PLUMIERI, Jacq. (1358.)
 PETITIA PÆPPIGII, Schauer! Distincta a *P. Domingensi* Jacq. foliis subtus densius reticulatis hispidulo-tomentosis, paniculis brevioribus petiolum subæquantibus, et drupis globosis. (428, 1353.)
 CALLICARPA FERRUGINEA, Sw. (430.)
 CALLICARPA FULVA, Rich. Cub. "Frutex 6 – 10-pedalis, foliis rugosissimis, corollis læte purpureis. (1357.)
 ÆGIPHILA ELATA, Sw. (429, var. 1354: hæc forma ludit corollæ lobis 4 – 5 totidemque staminibus.)

VITEX AVICENNIOIDES, Rich. Cub. — Hæc et *V. ilicifolia*, Rich. Cub. t. 64 (arbor a Linden denuo in rupibus ad fluv. Yumury prope Matanzas l. a) a speciebus generis genuinis foliis vere simplicibus petioloque non articulato recedunt, tamen nec flore nec fructu a *Vitice* distinguendæ sunt. (431.)

VITEX UMBROSA, Sw. (1355.)

CONIFERÆ.

PINUS CUBENSIS, Griseb. (n. sp.): foliis ternis geminisque tenuibus (sexpollicaribus); strobilis solitariis vel geminis pedunculatis ovatis obtusis demum recurvis, apophysi depressa leviter convexa et transversim carinata pallida medio umbonata, umbone parvo breviter mucronato. — “In altioribus Cubæ Orientalis frequens.” (598, 1462.)

PODOCARPUS PURDIEANUS, Hook. Ic. Pl. t. 624; forma parvifolia. (1461.)

CYCADEÆ.

ZAMIA INTEGRIFOLIA, Ait. — Jacq. Ic. Rar. t. 635. (1463.)

ZAMIA ANGUSTIFOLIA, Jacq. Ic. Rar. t. 636. *Z. angustissima*, Miq. ex ic. Cycad. t. 1, f. 13. (597.)

NAJADEÆ.

POTAMOGETON NATANS, L. Forma foliis basi acutiusculis, *P. lonchiti*, Tuckerm. specimini Texensi conformis. (604.) [Idem est 603.]

[NAJAS FLEXILIS, Rostk. Coll. 1856–7 tantum, 605.]

[TYPHACEÆ. — TYPHA ANGUSTIFOLIA, L. Coll. 1856–7, 600.]

AROIDEÆ.

ANTHURIUM CRASSINERVIUM, Schott. (*Pothos* Jacq. Ic. Rar. t. 609.) Costa folii subtus striato-obtusata. (601.)

PHILODENDRON LACERUM, Schott. (602.)

ARISEMA ATORUBENS, Blume. Specimen incompletum. (1469.)

PALMÆ.

EUTERPE MANAËLE, Griseb. & Wendl. (*Oreodoxa Manaële*, Mart.?) E. pinnis lanceolato-acuminatis basi latiusculis glabris, mediano supra carinato; spadiceis ramis glabris fuscescentibus; floribus remotiusculis (♂ ignotis); bacca nigra opaca (semipoll. diam.). — Pinnæ 32–34 pollices longæ, 2½ poll. latæ, basi ipsa reduplicata rhacheos faciei (6 lin. latæ) adnatæ; rami spadiceis sesquipedales. “Caudex circiter 50-pedalis, gracilis; frondibus 10–15 pedes longis; panicula simplici 2–3-pedali; baccis atropurpureis, pulpa tenui. Prope Monte Verde.” (1468.)

OREODOXA OLERACEA Mart. (1467.)

GEONOMA (CALYPTROGONIA) SWARTZII, Griseb. & Wendl. in Griseb. Fl. Ind. Occ.
Elais occidentalis Sw. (1466.)

BACTRIS PLUMIERIANA, Mart. (1465, 599.)

COMMELYNACEÆ.

CAMPELIA ZANONIA, Rich. (697, 1527.)

TRADESCANTIA PANICULATA, Jacq., var. EFFUSA, Mart. (1714.)

CALLISIA UMBELLULATA, Lam. (695.)

COMMELYNIA CAYENNENSIS, Rich. (698.) [678 in schedis nonnullis.]

COMMELYNIA PERSICARIFOLIA, DC. (696.)

GRAMINEÆ.

ARTHROSTYLIDIUM FIMBRIATUM, Griseb. (n. sp.): ramorum internodiis gracilibus lævibus; foliis brevibus patentibus lineari-acuminatis basi contractis glabris margine scabris, fimbriis oris vaginæ elongatis patentibus inæqualibus pallidis, longissimis (10 lin. longis) folio fere duplo brevioribus, vagina læviuscula; racemis contractis terminalibus; spiculis 3-5-floris internodium axeos superantibus linearibus brevissime pedicellatis; floribus lineari-acuminatis nervatis internodio rhacheos duplo brevioribus; glumis sterilibus abruptim brevioribus. — "In sylvis densis prope Monte Verde. Culmi 1-3-pedales." (1554.)

ARTHROSTYLIDIUM CAPILLIFOLIUM, Griseb. (n. sp.): internodiis caulibus gracilibus (vix lineam diam.) ramulos foliatis dense fasciculatos vulgo excedentibus lævibus; foliis flexilibus tenuissimis capillaceis (3-6 poll. longis) canaliculatis glabris margine scabriusculis, fimbriis oris vaginæ albidis flaccidis (1-2 lin. longis), vagina brevi lævi; racemis depauperatis ramulos terminantibus; spiculis 1-4, lateralibus valde distantibus breviter pedicellatis lanceolatis; floribus fertilibus 2-5 superne nervatis internodio rhacheos clavato triplo longioribus lineari-attenuatis apice obtusiusculis, superioribus caducis; glumis sterilibus deorsum decrescentibus. — "In sylvis densis, frutices vel arbores scandens." (738.)

ARUNDO SACCHAROIDES, Griseb. *Gynerium saccharoides* Humb. (1560.)

ERAGROSTIS CILIARIS, Link. (1550.)

[ERAGROSTIS PILOSA, Beauv. 745.]

SPOROBOLUS INDICUS, R. Br. (1537.)

ARISTIDA STRICTA, Michx., var. COGNATA, Trin. (736, 737.)

LEERSIA MONANDRA, Sw.! (731.)

OLYRA LATIFOLIA, L., var. ARUNDINACEA, Trin. (746.)

OLYRA PAUCIFLORA, Sw. (732.)

OLYRA PINETI, C. Wright. mscr. (n. sp.): culmis aggregatis teneris inferne sub-
aphyllis, nodis constrictis; foliis lanceolatis acutiusculis (6–10 lin. longis) lævibus
margine scabriusculis, petiolo intus hispidulo, ligula truncata; inflorescentia axillari;
racemis supremis ♂, inferioribus in spiculam ♀ solitariam reductis; spiculis glabris;
glumis ♂ lanceolato-acuminatis, ♀ subulatis; flore ♀ semiorbiculari lævigato albo apice
in apiculum brevissimum obtusiusculum producto. — Affinis *O. paucifloræ*, differt tenui-
tate et apiculo floris magis distincto. — “Prope Monte Verde, inter pinorum folia
dejecta.” (1536.)

PHARUS LATIFOLIUS, L. *P. scaber* Kth. (733.)

PHARUS GLABER, Kth. (733 bis, coll. 1859.)

BOUTELOUA HUMBOLDTIANA, Griseb. *Eutriana juncifolia* Kth. exclusis plerisque
synonymis. Parum recedit ab icone Kunthii (Nov. Gen. t. 54) flore superiori ♂ vel
neutro, tertio in stipitem reducto: valde differt a *B. litigiosa* Lag. (*Aristida Americana*
Sw.) floribus basi glabriusculis, secundo magis explicato 5-dentato, dentibus exterioribus
et medio aristatis, deinde spicis plerumque unilateralibus earumque spiculis paucioribus
magis approximatis, internodio axeos glumis superato. (734, 739.)

TRICUSPIS (TRIPLASIS) SIMPLEX, Griseb. (n. sp.): culmis cæspitosis (4–8 poll. longis)
nudiusculis; foliis convulso-filiformibus brevibus flexuosis sparsim et ad apicem vaginæ
densius piligeris; racemo spiciformi simplici elongato; spiculis distantibus brevissime
pedicellatis; floribus fertilibus 4–6 distantibus supra barbulam calli glabris, imo glu-
mam sterilem inferiorem duplo excedente; arista e lobulis eroso-obtusiusculis exserta
flore ipso 3–4-plo breviori. — Genus ex gluma ima (in hac specie) axin respiciente et
ex embryone majusculo (apud Kunth. Rev. t. 67) potius ad Chlorideas transponendum,
nec a *Leptochloa* nisi spiculis alternis (non in facie axeos interiori biseriatis) distinctum,
eademque caractere ad *Gymnopogon* et *Heterostegam* accedens. — “In rupibus aridis.”
(1551.)

CHLORIS CRUCIATA, Sw. (1548, 1549.)

[CHLORIS CILIATA, Sw., 743, et C. quædam, 742, coll. 1856–7.]

[ELEUSINE INDICA, Gærtn. 744.]

[LEPTOCHLOA MUCRONATA, Kunth., 740, et L. VIRGATA, Beauv., 741, coll. 1856–7.]

PASPALUM CONJUGATUM, Berg. (767.)

PASPALUM DISTICHUM, L. var. VAGINATUM, Sw.! (1546.)

PASPALUM PANICULATUM, L. (766.)

[PASPALI sp. 2, coll. 1856–7, a Grisebachio non visa, 768, 769; etiam DIGITARIÆ,
763, 765.]

DIGITARIA FILIFORMIS, Mühl. *Panicum*, L. (1544.)

DIGITARIA SETIGERA, Roth. (764.)

ERIOCHLOA PUNCTATA, Ham. (1542.)

PANICUM FUSCUM, Sw. (754.)

PANICUM MOLLE, Sw. (1545.)

PANICUM DIFFUSUM, Sw.

PANICUM DURUM, Griseb. (n. sp.): *Virgaria*; culmo stricto (sesqui-bipedali) folia subæquante glabrescente, nodis puberulis; foliis lineari-acuminatis rigidis glabris vel basi remote ciliatis; panicula patente subfastigiata (poll. 4 longa), ramis simplicibus sparsis; spiculis (lin. 2 longis) breviter pedicellatis remotiusculis vel geminatis subsecundis erectis elliptico-oblongis acutis pubescentibus testaceo-purpurascensibus; gluma ima ovata 5-7-nervi spiculam dimidiam subæquante, superiori 7-nervi florequæ neutro 5-nervi paleato fertilem æquantibus; flore fertili elliptico-oblongo acuto lævi a dorso compresso. — Affine ex icone Triniana *P. velutinoso*, Nees, cui folia brevia et flos transversim rugosus; comparatur *P. Portoricense*, Ham., nobis ignotum. (1539.)

PANICUM LAXUM, Sw.! *P. tenuiculmum* Meyer. (759.)

PANICUM PALLENS, Sw. (750.)

PANICUM DIVARICATUM, L. (747.) Var. PUBERULUM, Griseb. Fl. Ind. Occ. *P. glutinosum*, Lam., non Sw. (748.)

PANICUM GLUTINOSUM, Sw. (757.)

PANICUM BREVIFOLIUM, L. (1538.)

[PANICI sp. indeterminata sunt 749, 752, 753, 756 (coll. 1856-7), 758, 761, 762.]

ORTHOPOGON LOLIACEUS, Spreng. (751.)

ORTHOPOGON SETARIUS, Spreng. (1543.)

ISACHNE LEERSIOIDES, Griseb. (n. sp.): gracilis, adscendens ($1\frac{1}{2}$ -2-ped.), inferne geniculata, pauciramosa; foliis lineari-acuminatis glabris ciliatis (poll. 3-6 longis), vagina pilosa; panicula patente, ramis sparsis distantibus, inferioribus compositis, pedicellis filiformibus spicula summa longioribus; spiculis subglobosis; glumis 2 subæquilongi spicula paullo brevioribus pilosis, inferiori elliptico-lanceolata trinervi, superiori quinque-nervi; flore utroque pilosiusculo semigloboso pallente, inferiori ♂, superiori ♀. (755.)

GYMNOTHRIX DOMINGENSIS, Spreng. *Pennisetum* Spreng. (1547.)

ECHINOLÆNA, sp. Specimen incompletum: accedit ad *E. polystachyam*, Kth., differt foliis petiolatis glumisque glabris. Flore minus indurato coriaceo a Panico recedit. (760.)

TRICHOLÆNA INSULARIS, Griseb. Pl. Carib. p. 117. *Trichachne* Nees. *Milium villosum* Sw. *Panicum leucophlæum* Kth. (1541.)

ARUNDINELLA CUBENSIS, Griseb. (n. sp.): gracilis, tripedalis; foliis anguste lineari-

bus, vagina ciliata; panicula longa, ramis inferioribus verticillatis elongatis simpliciusculis; spiculis lanceolatis pallide virentibus; glumis inæqualibus trinerviis florem sterilem superantibus, secunda fertilem ter excedente; arista geniculata flore (vix lineam longo) quinquies longiori. (1552.)

MANISURIS GRANULARIS, Sw. (1553.)

ANDROPOGON (HETEROPOGON) SECUNDUS, Willd. (1559.)

ANDROPOGON (GYMNANDROPOGON) SACCHAROIDES, Sw. (1556.)

ANDROPOGON (SCHIZACHYRIUM) BREVIFOLIUS, Sw. (1558.)

ANDROPOGON (SCHIZACHYRIUM) GRACILIS, Spreng. (1557.)

ANATHERUM BICORNE, Beauv. *Andropogon*, L. (770.)

ANATHERUM MACRURUM, Griseb. *Andropogon*, Michx. (1555.)

TRISCENIA, nov. gen. Spiculæ lanceolatae, acuminatae, muticae, pedicellatae. Glumæ, inferior membranacea, superior duplo major, cum flore neutro univalvi herbacea eique subæqualis. Flos fertilis solitarius, membranaceus, non induratus, inclusus: palea inferior superiorem binerviam subæquans. Lodiculæ minutæ. Stamina 3, antheræ loculis subdistinctis. Stigmata supra medium florem emersa. Caryopsis libera, oblonga; embryone minuto. — Gramen cæspitosum, habitu *Festuceæ ovinae*; foliis setaceis recurvis subcompressis supra canaliculatis lævibus culmum subaphyllum (8–18 poll. longum) sæpe æquantibus, vaginis latiusculis patulis brevibus membranaceis, margine ligulari ciliato; spiculis racemosis raris racemisque ramos breves distantes paniculae erectæ angustæ continuæ constituentibus, pedicellis inæqualibus. — Genus a *Panico* flore membranaceo sterilibus glumis (secunda et tertia) tenuiori, embryone minuto, habitu distinctum, potius Andropogineis inserendum, et *Zoysia* aliquid affine, si in hoc genere glumam primam *Trisceniae* suppressam floremque ad paleam solitariam reductum, quandoque etiam nudum, consideramus: sed caryopsis, quæ *Trisceniae* inter Andropogineas Paniceasve anomala fit embryone minuto, in *Zoysia* et *Leptothrice* adhuc ignota est.

TRISCENIA OVINA, Griseb. — Paniculae rami inferiores 6–8 lin., spiculæ sesquilineam longæ: gluma ima uninervis, nervo virente, secunda cum tertia (flore neutro) virentes, trinervia, flore fertili sesquilingiores. (756, coll. ann. 1859.)

[Gramen indeterminatum, a Grisebachio haud visum, coll. 1856–7, 735.]

CYPERACEÆ.

CYPERUS ACUMINATUS, Torr. (700.)

CYPERUS OCHRACEUS, Vahl. (707.)

CYPERUS (DICLIDIUM) FILIFORMIS, Sw. (702.)

CYPERUS (DICLIDIUM) FLEXUOSUS, Vahl. *C. stellatus*, Rudge, Guian. t. 20. (704.)

CYPERUS (DICLIDIUM) VAHLII, Steud. *C. ferox*, Vahl, non *C. ferax*, Rich. (705.)

CYPERUS (PAPYRUS) GIGANTEUS, Vahl. *C. Surinamensis*, Kegel, coll. 37. — Folia ab auctoribus negata, a Kunthio descripta, in nostro specimine cæspitem juxta caulem basi vaginatum formant: culmus 4-pedalis, inferne canaliculato-subteres, apice solo triqueter: spiculæ dense spicatae, demum subreflexo-patentes, nitide lutescentes. (1529.)

CYPERUS (MARISCUS) FLAVOMARISCUS, Griseb. Fl. *Mariscus flavus*, Vahl. (730.)

[CYPERUS COMPRESSUS, L., 1528, necnon CYPERI 701, 703, et 706 haud nominati.]

KYLLINGIA BREVIFOLIA, Rottb. (699.) [Coll. 1859, specimina coll. 1856–7 foliis involucri elongatis diversa.]

ABILGAARDIA MONOSTACHYA, Vahl. (1531 bis [an vera? 708].)

SCIRPUS (ELEOCHARIS) OCHREATUS, Griseb. *Eleogenus ochreatus*, Nees. (711.)

SCIRPUS (ELEOCHARIS) CAPITATUS, L. (712.)

SCIRPUS (ELEOCHARIS) CONSTRICTUS, Griseb. *Limnochloa constricta*, Nees. (709.)

SCIRPUS (ELEOCHARIS) PLANTAGINEUS, L. *Limnochloa*, Nees. *Eleocharis interstincta*, R. Br. (710.)

[SCIRPUS LACUSTRIS, L. 713.]

SCIRPUS (FIMBRISTYLIS) AUTUMNALIS, L., forma elatior. (715.)

SCIRPUS (FIMBRISTYLIS) BRIZOIDES, Sm. *Fimbristylis laxa*, Vahl. (714.)

[SCIRPUS (FIMBRISTYLIS) SPADICEUS, L. 715 bis, lapsus pro 716.]

SCIRPUS (ONCOSTYLIS) JUNCOIDES, Willd. *Isolepsis junciformis*, Kth. (1533.)

CLADIUM OCCIDENTALE, Schrad. (1534.)

MACHÆRINA RESTIOIDES, Vahl, var. EFFUSA: pedunculis longioribus arcuatis; spiculis pallidioribus; floribus paucioribus. (1535.)

RHYNCHOSPORA PRUINOSA, Griseb. (n. sp.): *Eurhynchospora*, glauca; caule gracili obtuse trigono; foliis planis lineari-acuminatis margine scabris, pagina superiori punctis albidis exasperata; spiculis pallidis elliptico-lanceolatis glomeratis, glomerulis breviter spicatis, spicis parvis oblongis, axillaribus subsessilibus, terminali bracteata; glumis ovatis acutiusculis; stylo bifido; achenio flavente elliptico leviter transversim striato setas 6 sursum scabras æquante rostrum virens conico-acuminatum duplo superante. (1532.) No. 729, specimen dubium, forsan ejusdem speciei monstrositas [sine dubio, speciminibus meis docentibus], spiculis elongatis sterilibus locum glomeruli tenentibus?

RHYNCHOSPORA (NEMOCHLOA) POLYPHYLLA, Vahl. (727.)

RHYNCHOSPORA (DICHROMENA) EXALTATA, Kth., forma oligocephala. *Echinoschaenus sparganioides*, Nees in Mart. Fl. Bras. 3, t. 10. *E. Beyrichii*, Nees. (Formam polycephalam in Venezuela legit Fendler, 2195.) “In sylvis densis, late cæspitosa.” (719.)

RHYNCHOSPORA (DICHROMENA) CUBENSIS, Griseb. Fl. Ind. Occ. *Dichromena Cubensis* Poepp. ex descr. Affinis *Haloschoeno capillari* Nees! (*Dichromenæ gracili* Kth.). "In pinetis, dense cæspitosa." (1531.)

RHYNCHOSPORA (DICHROMENA) STELLATA, Griseb. *Schoenus stellatus*, Lam. *Dichromena leucocephala*, Michx. (1530.) [718, coll. 1856-7.]

RHYNCHOSPORA (DICHROMENA) PERSOONIANA, Griseb. *D. Persooniana*, Nees. (717.)

SCLERIA PRATENSIS, Lindl. (723.)

SCLERIA MICROCARPA, Nees. (724, etiam sub 723 [coll. 1856-7, specim. latifol.] cum præcedente.)

SCLERIA SCINDENS, Nees. (726.)

SCLERIA BRACTEATA, Cav. *Macrolomia bracteata*, Nees. (725.)

SCLERIA (HYPOPORUM) FILIFORMIS, Sw. (721, 722.)

[SCLERIA ——— coll. 1856-7 non determinata. 720.]

CAREX SCABRELLÆ, Wahlenb. affinis: an forma ejus foliis latioribus spiculis paucis? (728.)

DIOSCOREACEÆ.

DIOSCOREA LUTEA, Meyer! *D. heptaneura*, Vell. (1711.)

[DIOSCOREA sp. coll. 1856-7 tantum, 692.]

RAJANIA ANGUSTIFOLIA, Sw.! (1713.)

RAJANIA MUCRONATA, Willd. Proxima *R. ovata*, Sw.! distincta samara breviori (8 lin. longa) semielliptico-oblonga foliisque brevius petiolatis. *R. cordata* L. samara est duplo minor (4 lin. longa). (691.)

RAJANIA HASTATA, L., var. foliis hastato-deltoideis 5-7-nerviis. (1712.)

SMILACEÆ.

SMILAX HAVANENSIS, Jacq.? var. IMPRESSA, Griseb., costis foliorum supra impressis. *S. Coriacea*, Spreng.? (693.)

[SMILAX OBLONGATA, Sw.? Specimina incompleta, fructifera, coll. 1856-7. 694.]

SMILAX DOMINGENSIS, Willd. *S. Schlechtendalii*, Kth. (1526.)

AMARYLLIDEÆ.

BOMAREA EDULIS, Herb. Forma foliis paullo brevioribus quam in icone apud Tuss. Fl. Ant. 1, t. 14. (690.)

HYPOXIS DECUMBENS, L. (1515.)

Bromeliaceæ cæteræque paucae adhuc indeterminatæ.