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## XXXV.—CONTRIBUTIONS TO THE FLORA OF SIAM.

## ADDITAMENTUM X.

W. G. CRAIB.

**Evodia glomerata**, *Craib* [Rutaceae-Zanthoxyleae]; species quoad inflorescentiam *E. simplicifoliam*, Ridley, simulans sed ex descriptione ab hac foliis fere semper trifoliolatis, foliolis oblongo-obovatis vel oblongo-oblancoelatis acuminatis acutis vix coriaceis differt.

*Frutex* circa 1.5-metralis (ex *Kerr*); ramuli juventute dense molliter albo-pubescentes, subflavidi, cortice mox rubescente, ad nodos parum compressi. *Folia* opposita, trifoliolata, rarissime unifoliolata, petiolo communi 2-5 cm. longo saepissime valido supra late sed haud alte canaliculato indumento ei ramulorum simili oblecto suffulta; foliola saepissime obovato-oblancoelata vel oblongo-oblancoelata, apice saepius breviter acuminata, costa excurrente apiculata, basi cuneata vel interdum acuminata, lateralia basi inaequilaterialia, usque ad 14 cm. longa et 5 cm. lata, terminali lateralibus parum maiore, rigide chartacea, copiose pellucido-punctata, sicco supra fusciscentia, subtus pallida, pagina superiore ad costam nervosque laterales densius breviter pubescentia, indumento saltem costae persistente, inferiore molliter pubescentia et glandulosa, indumento mox plus minusve deciduo, nervis lateralibus utrinque circa 10-13 supra graeilibus palescentibus subtus validioribus prominentibus bene intra marginem anastomosantibus nervulis supra saepe conspicuis subtus prominulis, margine cartilaginea, densius breviter ciliata, sessilia vel petiolulo brevi suffulta. *Inflorescentia* axillaris, densa, petiolo dimidio brevior, vix 2 cm. diametro, pedunculo communi 1-2 cm. longo indumento eodem ac ramulis oblecto suffulta; flores breviter pedicellati; bractee parvae. *Sepala* 4, subovata, acuminata, acuta vel obtusa, circa 1.75 mm. longa et 1.25 mm. lata, crassa, dorso glandulosa, puberula, intra glabra, ciliolata. *Petala* 4, conspicue glandulosa, oblongo-ovata, summo apice incrassata, cucullata, paulo ultra 3 mm. longa, 1.75 mm. lata, ciliolata. *Stamina* 4, glabra, filamentis 2 mm. longis, antheris oblongis 0.75 mm. longis. *Carpella* 4, rudimentaria.

Doi Sutep, 900 m., *Kerr* 3224.

**Gynostemma siamica**, *Craib* [Cucurbitaceae-Gynostemmeae]; ab affini *G. laxa*, Cogn., petalis saltem floris masculi haud subulato-acuminatis distinguenda.

*Caules* graciles, plurisulcati, nodos prope pubescentes, internodiis pilis perpaucis hic illic instructi. *Folia* trifoliolata, petiolo 3.5-6.5 cm. longo crispitum pubescente suffulta; foliola terminalia saepe parum inaequilaterialia, plerumque subrhomboidea, apice breviter mucronata, 8-10 cm. longa, 4.4-7 cm. lata, petiolulo vix distincto vel ad 1 cm. longo suffulta, lateralia valde inaequilaterialia, latere altero dimidiatim ovata, basi rotundata vel truncata, altero dimidiatim lanceolata vel oblancoelata, basi attenuata, apice mucronulata, 4.5-8 cm. longa, ad fere 4 cm. lata, breviter vel vix distincte petiolulata, omnia membranacea

vel tenuiter chartacea, pagina superiore pilis breviusculis rigidis hic illic instructa, inferiore pilis similibus sed plerumque costa nervisque tantum instructa, nervis lateralibus utrinque 5-8 pagina utraque conspicuis, nervulis supra obscuris subtus interdum paucis subconspicuis interdum obscuris, margine distanter haud alte serrulata, serrulis hydathodo apiculatis. *Flores* masculi in paniculas axillares folia subaequantem vel iis paulo longiores dispositi, ramulis ultimis densifloris, floribus parvis breviter pedicellatis. *Calycis* lobi oblongi, obtusi, 0.75 mm. longi, circa 0.3 mm. lati. *Corolla* expansa circa 3 mm. diametro, viridis (ex *Kerr*), petalis plus minusve ellipticis apice acutis breviterve acuminatis. *Androecium* circa 1 mm. altum, glabrum. *Fructus* globosus, viridis, circa 5 mm. diametro, seminibus subobovatis stramineis vel brunneo-stramineis corrugatis compressis 3.3-5 mm. longis lateribus sulcatis.

Doi Sutep, 690-900 m., evergreen jungle, *Kerr* 747, 1434, 2696.

***Schefflera (Heptapleurum) siamensis*, W. W. Sm.** [Araliaceae-Panaceae]; species affinis *S. singalagensis*, Seem., *S. latifoliolatae*, King, et *S. venulosae*, Harms, ab omnibus quibus foliis subtus dense albo-tomentosis differt.

*Arbor* parva, circa 6 m. alta (ex *Kerr*); rami crassissimi, reliquis vaginarum valde corrugati, ad apicem latum fulvo-tomentosi. *Folia* petiolo ad 13 cm. longo albo-tomentoso tarde glabrescente praedita; vaginae latae, coriaceae, corrugatae; foliola 5-7, petiolulo circa 2.5 cm. longo subtus tomentoso suffulta, ad 20 cm. longa, ad 12 cm. lata, late elliptica, apice rotundata, nunc breviter et abrupte acuminata, nunc emarginata, basi rotundata, breviter cordatula, margine integra, sicco coriacea, supra pallide viridia, sublucida, glabra, infra dense albo-vel fulvido-tomentosa; costa media subtus prominens, albo-tomentosa; nervi 9-10-paria, utrinque manifesti; nervuli supra bene reticulati, infra tomento subcelati. *Paniculae* fructiferae tantum visae, laterales, pauciramosae, circa 7 cm. longae, ramulis primo albo-tomentellis tandem subglabris; pedicelli fructiferi inarticulati, circa 1 cm. longi. *Fructus* globosus, circa 8 mm. diametro, 10-12-ocularis, rugis 10-12 alte notatus, stylis brevissimis haud connatis coronatus.

Doi Chieng Dao, 1650-1770 m., common on rocks, *Kerr* 2281.

***Lysimachia lancifolia*, Craib** [Primulaceae-Lysimachieae]; a *L. ramosa*, Wall., cui affinis, caulibus vix glaberrimis haud alatis inter alia recedit.

*Caules* annui, erecti, circa 50 cm. alti, parce ramosi, sulcati, juventute glandulis parvis saepissime rubris breviter stipitatis densius tecti, glandulis mox plus minusve deciduis, superne virides, inferne pallidi brunnescentesve. *Folia* lanceolata, apice in apiculum gradatim angustata, basi attenuata vel subacuminato-attenuata, ad 6.5 cm. longa et 1.6 cm. lata, membranacea, supra viridia, pilis albis breviusculis subcrassis rubro-capitatis hic illic instructa praetereaue glandulis iis caulium similibus sparissime ornata, subtus parum pallidiora, glandulis parvis iis caulium similibus sparse instructa, nervis lateralibus utrinque

4-5 obliquis supra saepe parum impressis subtus cum costa prominentibus, nervulis paucis subtus subprominulis, margine anguste revoluta, papillosa; petioli lamina decurrente superne alati, circa 1 cm. longi, supra canaliculati, cum caulibus glandulosi. *Flores* axillares, solitarii; pedicelli infructescentes saepissime 3-3.5 cm. longi, graciles, apicem versus incrassati, sparse glandulosi. *Calyx* in fructu persistens, 5-partitus, segmentis ovatis vel ovato-lanceolatis caudatis vix 3 mm. longis circa 1 mm. latis glanduloso-ciliatis dorso parce glandulosis. *Corolla* ignota. *Capsula* 5-valvis, calyce fere dimidio longior, glabra; semina fusca vel atro-rubra, angulata.

Doi Sutep, 1520 m., in evergreen jungle, *Kerr* 3132.

**Damrongia**, *Kerr*, gen nov. [Gesneraceae-Didymocarpeae]; a *Didymocarpo* calyce bilabiato recedit.

*Calyx* bilabiatus, labio postico trilobato antico bilobato, lobis posticis quam anticis paulo longioribus et conspicue latioribus mediano lateralibus maiore. *Corolla* exserta, tubo calyci subaequilongo superne inflato, limbo bilabiato, labio postico bipartito antico postico longiore paulo ultra medium in lobos tres inter se subaequales divisio. *Stamina* duo antica fertilia inclusa, filamentis paulo supra corollae tubi basem insertis rectis complanatis glabris, antheris cohaerentibus earum loculis divergentibus, rimis mox confluentibus; stamina lateralia ad staminodia redacta, postico [an semper?] omnino deficiente. *Discus* brevis, pistilli basem cingens. *Ovarium* superum, in calycis tubo inclusum, placentis intrusis bifidis facie exteriori multiovuliferis; stylus elongatus, stigmatibus obliquo apice emarginato. *Capsula* in calyce inclusa, valvis rectis demum ad summum apicem liberis.—*Herba* perennis, foliis omnibus basalibus membranaceis viridibus vix glabris penninerviis margine serratis saltem exterioribus longius petiolatis, pedunculis uni-vel pluri-floris, bracteis viridibus, floribus albis purpureo-lineatis mediocribus distincte pedicellatis.

Species unica siamensis.

**Damrongia purpureo-lineata**, *Kerr*.

*Folia* rosulata, quoad formam variabilia, plerumque obovata, elliptico-obovata, suboblunga vel rhomboideo-ovata, apice obtusa, rarius rotundata, basi cuneata, saepe inaequalitalia, usque ad 9 cm. longa et 5-8 cm. lata, membranacea, supra viridia, sparse albo-setulosa, subtus pallidiora, sparse sed ad costam nervosque densius adpresse brunneo-hirsutula, nervis lateralibus utrinque 4-5 supra subconspicuis parum elevatis subtus cum costa prominentibus paribus duobus infimis prope basem aggregatis obliquis primo rectis vel subrectis dein marginem versus prorsus curvatis, nervulis omnino obscuris, margine, parte basali excepta, subregulariter serrata; petioli usque ad 7 cm. longi, plurisulcati, supra canaliculati, pilis rigidis prorsus directis brunneis tecti. *Pedunculi* uni-vel pluri-flori, 3-5 cm. alti, indumento ei petiolorum simili tecti; bractee lanceolatae, basi cuneatae, apice subacutae, 5 mm. longae, 2 mm. latae, virides, supra glabrae, subtus sparse brunneo-vel albo-setulosae; pedicelli 6-8 mm. longi, sparse

adpresse brunneo-setulosi. *Calyx* extra sparse adpresse brunneo-setulosus, 1 cm. longus, lobo postico lanceolato-deltaideo 4 mm. longo 2.5 mm. lato, lateralibus late lanceolatis vix 3.5 mm. longis 1.75 mm. latis, infimis angustius lanceolatis 2.75 mm. longis 0.8 mm. latis, lobis omnibus hydathodo subobtusis intra setulis perpaucis brevibus albis instructis margine pilis longiusculis transverse septatis distanter ciliatis, tubo postice 6 mm. antice 5 mm. longo. *Corollae* extra glabrae tubus elongatus, postice 1 cm. longus, pilis paucis crassus brevibus apice instructus; labium posticum e lobis duobus liberis apice rotundatis 4.5 mm. longis 3 mm. latis constitutum, anticum circa 7 mm. longum, 3-lobatum, lobis inter se subaequalibus oblongis apice rotundatis 4.5 mm. longis 3.5 mm. latis. *Stamina* duo antica fertilia filamentis 5.5 mm. supra corollae tubi basem insertis complanatis rectis 2.5 mm. longis glabris, antheris 1.5 mm. longis glabris cohaerentibus, loculis divergentibus rimis cito confluentibus; stamen posticum omnino deficiens, lateralibus ad staminodia circa 1.25 mm. longa glabra redactis. *Discus* vix 0.5 mm. altus. *Ovarium* in calycis tubo inclusum, 3 mm. altum, superne paucisetulosum, stylo stigmatibus inclusis 9 mm. longo breviter subsparse setuloso, stigmatibus obliquo emarginato. *Capsula* 5-7 mm. longa, in calyce inclusa, valvis demum ad summum apicem liberis.

Gorge below Ban Kaw, c. 195 m. Flowers white with purple lines in throat; on damp rocks in jungle, *Kerr* 2196.

The plant here proposed as the type of a new genus, though undoubtedly closely allied to *Didymocarpus*, could not be satisfactorily placed in that genus or even in the genus formed by the union of *Didymocarpus* and *Chirita*, as proposed by some authorities. The habit, short fruit and calyx, separate it from any of the types at present represented in *Didymocarpus*. In degree—though not in kind—of divergence of habit and in its calyx *Damrongia* bears the same relationship to *Didymocarpus* as *Dichiloboea* to *Boea*.

The genus has been named in honour of H. H. Prince Damrong, who, himself interested in scientific pursuits, has done so much for the advancement of education in his country.

**Petrocosmea Kerrii**, *Craib* [Gesneraceae-Cyrtandreae]; a speciebus sinensibus foliis magnis facile distinguenda.

*Herba* acaulis; rhizoma satis crassum, breve, radicibus permultis rigide fibrosis. *Folia* rosulata, ovato-lanceolata, oblongo-elliptica vel rarius oblonga, interiora saepe suborbicularia, apice saepius obtusa, rarius acuta vel breviter subacuminata, basi cuneata vel cordata sed saepissime inaequalita, latere altero cuneata vel fere truncata, altero rotundata, semicordata, exteriora usque ad 10 cm. longa et 6 cm. lata, interiora multo minora, membranacea vel fere chartacea, pagina utraque pilis albis basi tumidis longiusculis dense ornata praetereaque subtus glandulis nitidis satis numerosis ornata, nervis lateralibus utrinque 4-6 pagina utraque subconspicuis vel inferiore conspicuis, nervulis paucis interdum subtus subconspicuis, margine irregulariter crassius denticulata vel serrato-denticulata; petioli foliorum exteriorum usque ad 9.5 cm. longi, satis validi, pilis

pallide brunneis longis transverse septatis divaricatis flaccidis tecti; petioli foliorum interiorum multo breviores, graciliores, indumento albo sparsius instructi. *Pedunculi* in plantis majoribus 3.5-4.5 cm. longi, cymam umbelliformam 3-florem gerens, pedicellis 1-1.3 cm. longis, in plantis minoribus saepissime uniflori, circa 3 cm. longi, pedunculis pedicellisque indumento ei petiolorum simili instructis. *Calyx* dorso pilis longis albis transverse septatis flaccidis pilosus, intra glaber; labium posticum fere ad medium 3-lobatum, vix 5 mm. longum, lobis oblongo-lanceolatis acutis 2 mm. longis 1.75 mm. latis margine paucidentatis pauperrime longe ciliatis, lobis duobus anticis in unum apice emarginatum connatis vel interdum fere ad basem liberis. *Corollae* tubus 3 mm. longus; labium posticum subquadratum, 6 mm. longum, 7.5 mm. latum, e lobis duobus connatis constitutum, lobis 2 mm. longis 3.5 mm. latis, anticum 7 mm. longum, 3-lobatum, lobis 4.75-5 mm. longis et 3.75-4 mm. latis, lobulis omnibus apice rotundatis margine pilis transverse septatis albis pauciciliatis extra breviter sparse albo-pilosis intra ad maculas glanduloso-furfuraceis. *Filamenta* prope corollae tubi basem inserta, 1.5 mm. longa, medio subitius expansa, inferne complanata, superne teretia, basi apiceque exceptis glanduloso-furfuracea; antherae apice conniventes, sagittatae, apice obtuse caudato-acuminatae, acumine incluso 3 mm. longae, loculis infra filamentum insertionem liberis; staminodia tria, parva, linearia. *Ovarium* 2 mm. altum, adpresse albo-pilosum, stylo terete 6.5 mm. longo apice glabro inferne glanduloso-furfuraceo et pilis paucis longis ornato, stigmatibus parvis capitatis.

Doi Sutep, damp rocks in evergreen jungle, 1560 m., flowers white, two upper lobes with yellow patch at base, *Kerr* 3361.

***Ruellia bella*, Craib** [Acanthaceae-Ruellieae]; a *R. suffruticosa*, Roxb., corolla longiore, a *R. macrosiphone*, Kurz, foliis latioribus recedit.

*Fruticulus* subcaulis. *Folia* approximata, oblonga, oblongo-elliptica vel oblongo-lanceolata, apice interdum subacuminata, obtusa, basi cuneata lateve cuneata, ad 7 cm. longa et 2.8 cm. lata, rigide chartacea, supra viridia, lineolata, pilis longiusculis pluriseptatis nitido-albis sparse instructa, subtus pallidiora, pilis iisdem ornata, nervis lateralibus utrinque 4-6 supra subconspicuis subtus cum costa prominulis, nervulis paucis subtus subprominulis, margine pilis albis septatis longe et dense ciliata. petiolo ad 1 cm. longo pilis iisdem subdense tecto suffulta. *Flores* axillares, solitarii vel bini, pedicellis brevibus vel sub anthesin ad 1 cm. longis indumento ei petiolorum simili tectis suffulti, pedicellis infructescentibus usque ad 2.5 cm. longis; bracteolae binae, foliaceae, oblongae vel oblongo-ovatae, ad 1.8 cm. longae et 1 cm. latae, sessiles, indumento ei foliorum simili tectae. *Calyx* viridis, persistens, circa 5 mm. longus, segmentis lanceolatis apicem versus gradatim attenuatis summo apice subacutis dorso medio inferne pilis paucis albis rigidis instructis intra pilis paucis brevibus tectis longius ciliatis rigidis. *Corolla* alba, nocte expansa (ex *Kerr*), extra basi excepta albo-pubescentis, 5.2 cm. longa; tubi pars inferior cylindrica 2.3 cm. longa, circa

1.5 mm. diametro; lobi 5, inter se subaequales, plus minusve late elliptici vel late obovato-elliptici, apice rotundati, usque ad 1.1 cm. longi et 1.1 cm. lati, longius ciliati. *Stamina* fertilia 4, duobus longioribus tubi apicem vix attingentibus, filamentis glabris fere ad apicem tubi partis cylindricae affixis; antherae circa 2.25 mm. longae. *Ovarium* 3 mm. altum, nisi apice, ubi sparse pubescens, glabrum; stylus circa 4 cm. longus, setulosus.

Mê Măw, deciduous jungle, 300 m., *Kerr* 3605.

***Asystasia salicifolia*, Craib** [Acanthaceae-Justicieae]; species floribus magnis, foliis saepissime elongatis cognoscenda.

*Herba* circiter 40 cm. alta, radice lignosa; caulis primo pilis albidis hic illic parcissime instructus, mox glaber, sicco pallide viridis, quadrisulcatus. *Folia* forma variabilia, plerumque late oblanceolata, oblanceolata vel linearia, apice acuminata, acuta vel acutiuscula, basi saepius cuneata, latiora circiter 10 cm. longa et 3.5 cm. lata, angustiora circiter 12 cm. longa et 1 cm. lata, chartacea vel membranaceo-chartacea, pagina utraque pilis longiusculis parce instructa, margine parum revoluta, pilis brevioribus rigidioribus scabridula, nervis lateralibus utrinque 7-10 pagina utraque conspicuis vel subprominulis; petioli breves vel usque ad 7 mm. longi. *Racemi* terminales, simplices, secundi, pedunculo incluso ad 5 cm. longi; pedicelli usque ad 3 mm. longi, pilis brevibus glanduloso-capitatis instructi; bractae anguste deltoideae, acutae, circiter 2 mm. longae, rigidae, costatae; bracteolae binae, ad pedicelli basem positae, bracteis similes nisi minores. *Calycis* segmenta inter se subaequalia, linearia, acuminata, acuta, usque ad 8 mm. longa et 1.5 mm. lata, dorso pilis paucis saepissime glanduloso-capitatis instructa, apice breviter ciliolata. *Corolla* alba, purpureo-maculata (ex *Kerr*), vix 3.5 cm. longa, extra parce breviter pilosula, intus inferne ad nervos parce pubescens, lobis imbricatis apice rotundatis 7 mm. longis et 6-9 mm. latis. *Stamina* longiora corollae tubum paululo superantia, filamentis inferne parce pubescentibus; antherarum loculi circiter 2.5 mm. longi, basi distincte caudati. *Ovarium* dense pubescens et glandulosum, stylo inferne pilis divaricatis instructo.

Doi Sutep, open jungle, 1050 m., *Kerr* 1488.

***Vitex Pierrei*, Craib** [Verbenaceae-Viticeae]; ab affini *V. canescente*, Kurz, pedicellis brevibus recedit.

*Ramuli* juventute densius molliter pubescentes, mox magis minusve glabrescentes, quadrangulares, demum glabri, teretes, cortice cinereo-brunneo obtecti, lenticellis numerosis haud valde conspicuis. *Folia* digitatim 5-foliolata, rarissime 3-foliolata, petiolo communi 3-7 cm. longo dense molliter pubescente suffulta; foliola ovata, oblonga, oblanceolato-obovata obovatave, apice acuminata vel caudato-acuminata, summo apice acuta, basi in petiolum attenuata, cuneata vel late cuneata, usque ad 7.5 cm. longa et 3.8 cm. lata, terminali aliis majore, duobus infimis interdum parvis saepe deciduis, chartaceis, pagina superiore pilis albis basi tuberculatis sparse nisi marginem versus ubi densius instructa, inferiore molliter pubescentia, praesertim ad

costam nervosque praetereaue aureo-glandulosa, nervis lateralibus utrinque 8-10 supra conspicuis subtus prominulis, margine irregulariter pauciserrata vel integra, petiolulis usque ad 2 cm. longis molliter pubescentibus suffulta. *Inflorescentia* ei *V. canescentis* persimilis nisi pedicellis minoribus, rhachi molliter pubescente et aureo-glandulosa; bracteae parvae, fugaces; pedicelli sub anthesin circa 1 mm. longi, ut calyx adpresse hirsutuli et aureo-glandulosi. *Calyx* 3.5 mm. longus, intra superne setulis paucis adpressis instructus, lobis inter se subaequalibus deltoideis acutis vel obtusis 0.75 mm. longis ciliatis. *Corolla* in alabastro extra breviter pubescens et densius aureo-glandulosa, sub anthesin 7 mm. longa; tubi pars basi cylindrica 2 mm. longa; labium supremum 2 mm. longum, ad medium bilobatum, lobulis apice rotundatis vix 1 mm. longis et 1.5 mm. latis; labium infimum 3-lobatum, lobo mediano lateralibus majore 2.75 mm. longo. *Stamina* exserta; filamenta basi papillosa. *Ovarium* apice dense glandulosum, 1 mm. altum, stylo filamentis longioribus subaequilongo apice bifido.

Srihacha, 4.5 m., Mrs. D. J. Collins 72.

*Distr.* Cochinchina, Pierre 1839.

**Elsholtzia Winitiana**, Craib [Labiatae-Satureineae]; *E. blandae*, Benth. et *E. ochroleuca*, Dunn, valde affinis sed spicis densioribus inter alia distinguenda.

*Plana* perennis, ad 3 m. alta; rami (caulesve?) juventute pallidi, dense crispatis albo-pubescentes praetereaue rubroglandulosi, mox brunnescentes, sparsius pubescentes, glandulis persistentibus. *Folia* lanceolata vel ovato-lanceolata, utrinque angustata vel interdum basi latius cuneata, summo apice mucronulata, ad 11.5 cm. longa et 3.8 cm. lata, chartacea vel membranaceo-chartacea, pagina superiore viridia, pilis brevibus albis sparse instructa, inferiore pallida, praesertim ad costam nervos nervulosque albo-pubescentia praetereaue glandulis rubris et aureis densius ornata, nervis lateralibus utrinque 6-9 adscendentibus intra marginem anastomasantibus supra conspicuis saepe parum impressis subtus prominentibus, nervulis subtus prominulis supra interdum parum impressis, margine parte basali excepta distantius crenato-serrata, parum revoluta, superiora subsessilia, inferiora petiolo ad 1.5 cm. longo supra late canaliculato densius crispatis albo-pubescente et glanduloso suffulta. *Spicae* in axillis foliorum superiorum solitariae, simplices, rarissime furcatae, cylindricae, 4-6 cm. longae, circa 5 mm. diametro, densiflorae, pedunculo communi 2-3 cm. longo indumento ei ramorum juvenilium tecto suffultae; bracteae oblongo-oblancheolatae, apice longe acute acuminatae, 3.25 mm. longae, 1 mm. latae, dorso pubescentes et glandulosae, intra glabrae, ciliatae, alabastra superantes; bracteolae bracteis similes nisi minores. *Calyx* vix 1.5 mm. longus, ore obliquo, inaequaliter lobatus, lobis plus minusve deltoideis acutis usque ad 0.5 mm. longis ciliatis, extra pubescens et glandulosus. *Corollae* tubus 1.5 mm. longus; labium anticium intra apice pilosum et glandulosum, posticum antico longius, circa 0.75 mm. longum, apice intra pilosum et glandulosum. *Stamina* bene



supra corollae tubi medium affixa, glabra. *Stylus* glabra, apice 2-fidus.

Doi Sutep, in mixed jungle, 660 m.; flowers greenish, aromatic, *Kerr* 1607B.

***Croton siamensis*, Craib** [Euphorbiaceae-Crotoneae]; a *C. oblongifolio*, Roxb., inflorescentia dense argenteo-lepidota distinguendus.

*Arbuscula* (ex *Kerr*), ramulis primo densissime brunneo-lepidotis mox pallide brunneo- vel fere cinereo-corticatis. *Folia* saepissime oblonga vel oblongo-lanceolata, apice obtusa, breviter mucronata, basi rotundata vel cuneato-rotundata, ad 23 cm. longa et 7.5 cm. lata, chartacea vel saepius rigide chartacea, supra glabra, subtus pallidiora, distanter nisi ad costam densius lepidota, praeterea facie utraque nigro- vel fusco-punctata, nervis lateralibus utrinque 10-15 rectis intra marginem anastomosantibus pagina superiore subconspicuis inferiore prominulis, nervulis subtus conspicuis vel subprominulis, margine distanter glanduloso-denticulata, petiolo ad 4.5 cm. longo densissime lepidoto supra canaliculato summo apice latere utroque glanduloso suffulta; stipulae subulatae, circa 3 mm. longae, deciduae. *Racemi* ad apices ramulorum aggregati, numerosi, circa 23 cm. longi, fere sessiles, densissime argenteo-lepidoti, mox brunneo-lepidoti, bracteis 1-2 mm. longis deciduis vel saepe flore delapso persistentibus, inferne flores ♀ superne flores ♂ gerentes, floribus subsessilibus vel breviter pedicellatis. *Fl.* ♂. *Calyx* intra superne parce albo-pubescentis, vix 3 mm. longus, fere ad basem 5-partitus, segmentis deltoideis acutiusculis ciliatis. *Petala* 5, 2.75 mm. longa, 0.75 mm. lata, densius villosociliata, dorso lepidibus stellatis paucis magnis ornata, supra parce pilosa. *Disci* glandulae calycis segmentis oppositae, 1 mm. latae, carnosae, glabrae, albae. *Stamina* 10-12, 4 mm. longa, oppositipetala basi parcissime piloso-barbata vel interdum fere glabra, oppositipetala inferne gradatim densius villosobarbata, connectivo lato. *Receptaculum* villosum. *Fl.* ♀. *Calyx* ei maris similis. *Disci* glandulae petaloideae, 1.75 mm. longae, vix 0.5 mm. latae, ciliatae. *Ovarium* dense stellato-lepidotum, stylis simpliciter divisis.

Sriracha, Nawng Yai Bu, 15 m., common in evergreen and scrub jungles, *Kerr* 2146. Sriracha, c. 6 m., very common, *Mrs. D. J. Collins* 239; *ibid.*, c. 3 m., *Mrs. D. J. Collins*, 224.

Siamese name, Mai plau (ex *Kerr*).

***Datechampia elongata*, Craib** [Euphorbiaceae-Plukenetiae]; species nova foliis trifoliolatis, foliolis elongatis cognoscenda.

*Caules* volubiles, herbacei, fistulosi, virides, sulcati, juventute pilis brevibus albis crispis dense tecti praeterea pilis paucioribus longioribus divergentibus instructi. *Folia* trifoliolata, petiolo communi ad 6 cm. longo sulcato indumento ei caulium simili tecto suffulta; stipulae diu persistentes, cito reflexae, lanceolatae, acutae, 4 mm. longae, dorso breviter crispatis pubescentes, margine longius ciliatae; foliola plus minusve lanceolata vel lateralibus latere altero dimidio

anguste lanceolata, altero dimidio ovato-lanceolata, apice longe gradatim attenuata, summo apice costa excurrente breviter apiculata, basi acuminata, subacuminata vel lateralialia latere exteriori rotundata, usque ad 15.5 cm. longa et 4.3 cm. lata, chartacea, supra pilis albis longiusculis basi tumidis mollibus vix dense instructa, subtus pallidiora, brevius molliter pubescentia, nervis lateralibus utrinque circa 15 supra cum costa pallescentibus subprominulis subtus prominulis intra marginem anastomosantibus, costa subtus prominente, fere integra nisi lateralialia latere exteriori ubi latissima crasse paucidentata, margine anguste recurva, densius ciliolata, subsessilia vel petiolo usque ad 6 mm. longo suffulta. *Inflorescentia* androgyna, ramulum axillarem unifoliatum ad 10 cm. longum terminans, pedunculo ad 7 cm. longo indumento ei caulium simili tecto suffulta, basi bracteis duabus foliis similibus nisi minoribus et paulo ultra medium lobatis vel fere ad basem partitis vix oppositis ornata, bractea quaque stipulis duabus iis foliorum similibus instructa, floribus ♀ ad bracteae inferioris basem, floribus ♂ ad bracteae superioris basem sitis. *Flores* ♂ basi bracteis duabus oblatis circa 5 mm. longis et 9 mm. latis pagina utraque puberulis pauperius ciliolatis cincti; alabastra depresso-globosa, puberula; pedicelli circa 2 mm. longi, sub apice articulati. *Calyx* in segmenta 5 inter se vix aequalia ovato-elliptica apice incrassata subcucullata 4 mm. longa crassa intra basi pubescentia partitus. *Stamina* numerosa, filamentis circa 0.75 mm. longis parce pubescentibus, antheris vix 1.25 mm. longis, loculis parallelis. *Inflorescentia* ♀ triflora, floribus basi bracteis tribus membranaceis dorso puberulis et parce pubescentibus margine longe ciliatis una subquadrata apice cuspidato-acuminata 6.5 mm. longa et 7 mm. lata, aliis apice subtruncatis fere dimidio minoribus arcte cinctis pedicellis 1-1.75 mm. longis puberulis et parce pubescentibus suffultis. *Sepala* 5, inter se vix aequalia, tentaculigero-fimbriata, ad 2.5 mm. longa et 2 mm. lata, dorso puberula, ciliata, crassa. *Ovarium* 3-lobatum, circa 1 mm. altum, longius puberulum; stylus 9.5 mm. longus, basi puberulum.

Mé Māw, 300 m., climbing perennial in deciduous jungle, Kerr 3632.

**Celtis (Solenostigma) Collinsae, Craib** [Urticaceae-Celtideae]; a *C. philippinense*, Blanco et *C. strychnoide*, Planchon, nervis lateralibus basalibus foliorum apices haud attingentibus, nervis lateralibus superioribus e costa ortis subtus prominentibus facile distinguenda.

*Arbor* parva; ramuli juventute puberuli, sicco plus minusve fusciscentes, demum glabri, cinereo-corticati. *Folia* oblongo-ovata vel elliptico-ovata, apice acuminata, summo apice obtusa, breviter apiculata, basi saepe inaequilateralialia, cuneata, rotundato-cuneata vel maiora rotundata, usque ad 8 cm. longa et 5.4 cm. lata, coriacea, primo subtus ad nervos sparse subsericea et supra marginem versus et basi puberula, demum glabra, e basi trinervia, nervis duobus lateralibus foliorum apices haud attingentibus cum

costa supra conspicuis subtus valde prominentibus, nervis e costa ortis patulis vel fere patulis subtus prominentibus intra marginem anastomosantibus, margine integra, recurva; petioli circa 1 cm. longi, supra canaliculati, primo puberuli, demum glabri vel fere glabri; stipulae fugaces, 4 mm. longae, basi productae, dorso puberulae. *Cymae* axillares, foliis multo breviores, ramulis puberulis, floribus fere sessilibus. *Fl.* ♂. *Sepala* 5, obovata, 1.5 mm. longa, vix 1.5 mm. lata, membranacea, ciliata. *Disci* glandulae parvae. *Stamina* sepalis opposita, filamentis glabris sepalis subaequilongis; antherae vix 1 mm. longae, apice saepius breviter apiculatae. *Ovarii* rudimentum parvum, columnare, glabrum.

Sriracha, on bank above rocks and beach, *Mrs. D. J. Collins*, 230, 241—the latter with deformed flowers.

***Gironniera longifolia*, Craib** [Urticaceae-Celtideae]; a *G. subaequali*, Pl., foliis longioribus tenuioribus parte superiore serratis recedit.

*Arbor* 12-15-metralis (ex *Kerr*); ramuli juventute brunnei vel fusco-brunnei, dein pallide corticati, primo pilis longis rigidis pallidis tumidis copiose instructi, mox glabri. *Folia* oblongo-elliptica vel lanceolato-elliptica, apice acute caudato-acuminata, basi cuneata vel late cuneata, saepe inaequilateralia, usque ad 26.5 cm. longa et 9.7 cm. lata, rigide chartacea, pagina superiore ad costam sparse et inferiore ad costam nervosque laterales densius pilis iis ramulorum similibus instructa praetereaque subtus setulis sparsis ad nervulos aspera, nervis lateralibus utrinque 9-12 intra marginem anastomosantibus supra conspicuis subtus prominentibus, nervulis rete conspicuum subtus efficientibus, parte saltem triente basali excepta serrata vel serrato-dentata, petiolo circa 6-10 mm. longo supra canaliculato indumento ei ramulorum simili tecto suffulta; stipulae cito deciduae, circa 1.5 cm. longae, dorso margine pallido lato excepto pilis et longis et brevibus rigidis pallidis tectae, intra glabrae. *Inflorescentiae* axillares et ♂ et ♀ e basi ramosae. *Fl.* ♂ breviter pedicellati, 5-meri. *Sepala* quoad formam variabilia, saepius obovata oblongae, apice rotundata, circa 1.75 mm. longa et 1.3 mm. lata, ciliolata, dorso setulis perpaucis instructa, basi incrassata. *Filamenta* 1.75 mm. longa, glabra; antherae superne attenuatae, 1.5 mm. longae, apice et lateribus setulosae. *Ovarii* rudimentum breve, villosum. *Fl.* ♀ plerumque distincte pedicellati, rarius subsessiles. *Sepala* iis maris similia sed paululo maiora. *Ovarium* circa 5 mm. altum, adpresse albo- vel brunneo- setulosum; styli rami 2, circa 1.5 cm. longi. *Fructus* drupaceus, ambitu ovatus vel orbiculari-ovatus, compressus, 8-9 mm. longus, sparse adpresse setulosus.—  
? *G. subaequalis*, Pl., var. *birmanica*, Hook. f., *Fl. Brit. Ind.*, v. p. 486.

Doi Wao, 900 m., in evergreen jungle, *Kerr* 2439 (♀), 2439 A (♂).

Probably referable to this species is *Toppin* 4061 from Upper Burma.