

*congesta* Benth., from both of which it is at once distinguished by its much fewer stamens.

## RUBIACEAE

### *Litosanthes* Blume

*Litosanthes biflora* Blume, Cat. Gew. Buitenzorg, 21 (1823).—Merrill, Enum. Philip. Pl. III. 568 (1923).

*Lasianthus gracilis* King & Gamble in Jour. As. Soc. Bengal, LXXIII. pt. II. 132 (Mat. Fl. Malay. Penin. IV. 206) (1904).

HAINAN: Five Finger Mountains, *F. A. McClure*, no. 8708, on forested slopes, altitude 700 m.

Malay Peninsula, Java, and the Philippines (Luzon, Mindoro, Catanduanes, Leyte, Negros, Mindanao). The genus is new to China.

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## FURTHER NOTES ON CHINESE LIGNEOUS PLANTS.<sup>1</sup>

H. H. HU.

### *Alnus Jackii*, sp. nov.

Arbor ad 10 m. alta, cortice cinereo; ramuli glabri, lenticellati. Folia elliptica, ovata vel elliptico-obovata, 4–7.5 cm. longa et 2.2–3 cm. lata, apice acuta vel cuspidata, basi subrotundata vel rarius late cuneata, glanduloso-serrata, utrinque intense viridia, subtus ad costam et sparsissime ad venas rectas utrinque circiter 10 puberula, ceterum glabra; petioli graciles, ad 2 cm. longi: inflorescentia mascula ex amentis 5–6 cylindricis autumnis circiter 2 cm. longis composita, resinosa, pedunculis erectis 8 mm. longis. Strobili solitarii, erecti, pedunculo circiter 1 cm. longo sustenti, ovoidei vel ellipsoidei, circiter 2 cm. longi et 1.2 cm. diam.; bractee apice truncatae, breviter lobulatae, circiter 5 mm. longae et 7 mm. latae; semina orbicularia, compressa, circiter 3.5 mm. longa et lata, apice acutiuscula, margine coriaceo angusto, nitida, castanea.

Ab affini *A. formosana* Makino praecipue differt foliorum forma et strobilis solitariis.

CHEKIANG: Tien-tai-shan, *Ren-Chang Ching*, no. 2606 (type), Dec. 10, 1924, and no. 1514, May 9, 1924. FOKIEN: Siu-Ning-sien, *Ren-Chang Ching*, no. 2295, Aug. 5, 1924.

### *Meratia yunnanensis*, comb. nov.

*Chimonanthus yunnanensis* W. W. Smith in Notes Bot. Gard. Edinb. VIII. 182 (1914).

As Rehder and Wilson remarked in *Plantae Wilsonianae*, I. 419 (1913) that *Meratia* Loiseleur was published one year before *Chimonanthus* Lindley, we have to accept Loiseleur's name for this genus. Accepting Rehder and Wilson's statement this new combination is made.

### *Deutzia Chunii*, sp. nov.

Ramuli graciles, sparse stellato-pilosi. Folia oblongo-lanceolata, 3–5.5

<sup>1</sup>See Vol. V. 227 of this Journal for preceding Notes.

cm. longa et 1.2–1.8 cm. lata, acuminata, basi late cuneata, remote minuteque serrulata, pube stellato-pilosa dimorpha, supra viridia scabrida, pilis 4–5-radiatis sparsius instructa, subtus albida, dense pilis 10–12-radiatis oblecta; petioli 3–4 mm. longi, stellato-pilosi. Paniculae ad 10 cm. longae, multiflorae, stellato-pilosae; pedicelli graciles, 1–1.5 mm. longi; calyx stellato-pilosus, dentibus triangulari-ovatis acutiusculis tubo aequilongis; petala ovato-oblonga, 6 mm. longa et 2.5 mm. lata, alba; stamina petalis aequilonga vel breviora, filamentis edentatis; styli 3, staminibus aequilongi, stigmatibus capitatis bilobis. Fructus deest.

Affinis *D. Schneiderianae* Rehd., sed foliis angustioribus minus scabris et floribus minoribus differt.

CHEKIANG: without precise locality, *Ren-Chang Ching*, no. 4750 (type), 1924.

*Itea longibrateata*, sp. nov.

Frutex circiter 60 cm. altus, glaber. Folia coriacea, ovato-oblonga, circiter 7.5 cm. longa et 3 cm. lata, acuminata vel acuta, basi rotundata, remotius serrata, supra nitida viridia, subtus pallidiora, glabra; petioli ad 1 cm. longi. Racemi axillares et terminales, ad 6 cm. longi, satis dense multiflori; pedunculus puberulus; flores albi, breviter pedicellati vel subsessiles, circiter 2 mm. diam.; bracteae anguste lanceolatae, ad 8 mm. longae et 1 mm. latae, acuminatae, minute serrulatae; calyx hirtellus, lobis lineari-lanceolatis, quam petala brevioribus; petala ovata, circiter 1.5 mm. longa; antheris subsessilibus ovali-oblongis inclusis; styli 2-connati, stigmatibus capitatis: ovarium 2-loculare, semi-inferius. Fructus deest.

Ab affini *I. ilicifolia* Oliv. racemis brevioribus, bracteis longioribus lanceolatis serrulatis, floribus multo minoribus subsessilibus, staminibus inclusis differt.

CHEKIANG: Yun-Fan, Taichow, on rocky summit, 2000 ft. altitude, *Ren-Chang Ching*, no. 1316 (type), May 1, 1924.

*Rubus Chungii*, sp. nov.

Frutex sarmentosus scandens, ad 1.2 m. altus; rami graciles teretes, cortice rubro-brunneo vestiti, sparse aculeis compressis basi dilatatis leviter recurvis vel rarius rectis ad 5 mm. longis armati. Folia ambitu rotundata, 4.5–7 cm. diam., palmatim ultra medium 5-vel rarius 3-loba, sinibus obtusis vel rotundatis, lobis dupliciter serratis, medio rhombico-ovato longe acuminato saepe basi subito constricto ad 4.5 cm. longo et 2.5 cm. lato, lateralibus inaequilateralibus, basilibus multo minoribus vel deficientibus; petioli graciles, circiter 2.5 cm. longi, interdum aciculis minutis armati. Flores axillares, solitarii, pedunculo gracili ad 3 cm. longo suffulti; calyx virescens vel purpurascens, extus intusque sericeo-villosulus, extus demum glabrescens, lobis ovato-oblongis acuminulatis 7 mm. longis et basi 4 mm. latis; petali ignoti. Fructus subglobosus, circiter 1.5 cm. diam., ruber; semina compressa, 2 mm. longa et 1.5 mm. lata.

Ab affini *R. palmato* Thunb. qui folii ambitu ovatis, sinubus acutis et lobo medio basin versus plus minusve lobulato gaudet, foliis ambitu rotundatis, sinubus rotundatis vel obtusis, lobis non lobulatis distinctus.

CHEKIANG: Yun-Fan, Taichow, in shaded woods, 200 ft. altitude, *Ren-Chang Ching*, no. 1329 (type), May 1, 1924; without precise locality, no. 4768, 1924.

***Fagara multijuga*, comb. nov.**

*Zanthoxylum multijugum* Franchet, Pl. Delavay. 124 (1889).

*Zanthoxylum multifoliolatum* Hemsley in Hooker's Icon. xxvi. t. 2595 (1899).

*Fagara mengtzeana* Hu in Jour. Arnold Arb. v. 228 (1924).

I at first overlooked that *Zanthoxylum multifoliolatum* Hemsley is synonymous with *Z. multijuga* Franchet. Hence this new combination.

***Xanthophyllum hainanense*, sp. nov.**

*Xanthophyllum racemosum* G. W. Groff, Ding & E. H. Groff in Lingnaam Agric.

Review, 1. no. 1. 26 (1924), quoad plantam e Hainan.—Non Chodat.<sup>1</sup>

Arbor 10–12 m. alta, trunco 20 cm. diam.; ramuli graciles, glabri, teretes. Folia ovato-elliptica, ad 10 cm. longa et 3 cm. lata, in acumen caudatum ad 2 cm. longum sensim attenuata, basi late cuneata, integra, leviter undulata, supra lucida, leviter reticulata, costa satis distincte elevata, subtus opaca, costa valde elevata, minute reticulata, glabra; petiolus supra canaliculatus, circiter 1 cm. longus. Racemi axillares, pedunculo incluso ad 10 cm. longi dissitiflori; pedicelli ut pedunculus minute puberuli, 8 mm. longi; flores ignoti. Fructus immaturus globosus, minute puberulus.

Affinis *X. racemoso* Chodat a quo costa supra elevata, acumine foliorum basi lato et fructo juvenili puberulo, nec villosa, differt.

HAINAN: South slope of Five Finger Mt., *F. A. McClure*, no. 9421 (type), May 4, 1922; no. 9440, May 5, 1922; wooded ravine; tree; ht., 10–12 m.; dia., 20 cm.; frs., green.

***Berchemiella crenulata*, comb. nov.**

*Chaydaia crenulata* Handel-Mazzetti in Akad. Anz. Akad. Wiss. Wien, 1921, no. 18 (Pl. Nov. Sin. cont. 12, p. 5) (1921).

The genus *Berchemiella* was separated from *Chaydaia* Pitard by T. Nakai in Bot. Mag. Tokyo, xxxvii. 31 (1923). It differs from *Chaydaia* in having a paniculate to fasciculate-racemose inflorescence, turgid disk embracing half of the ovary and a deciduous style-base. From Handel-Mazzetti's description the above species is a *Berchemiella* and not a *Chaydaia* according to Nakai's definition. Hence the new combination.

***Vitis fagifolia*, sp. nov.**

Frutex scandens, ad 3 m. altus; rami suberecti, graciles, initio dense rufo-tomentosi, demum sparse cinereo-tomentelli; cirrhi satis robusti. Folia subsessilia, oblongo-elliptica, ad 6.5 cm. longa et 3 cm. lata, acuta vel breviter acuminata, basi oblique rotundata vel subrotundata, repandoserrata dentibus mucronulatis, ciliata, supra glabra, subtus cinereo-puberula et ad venas rufo-pubescentia. Inflorescentia paniculata, multi-

<sup>1</sup> *Xanthophyllum racemosum* Chodat see Merrill in Jour. Arnold Arb. vi. 134 (1925).

flora, ad 4 cm. longa, rhachide rufo-tomentella; pedicelli filiformes, ad apicem leviter incrassati, 3.5 mm. longi; flores luteo-virides, fragrantés; stamina 2.5 cm. longa, filamentis gracilibus, antheris globis pallide luteis; stigma brunneum. Fructus ignotus.

Species foliis subsessilibus ab omnibus aliis speciebus generis distinctissima.

CHEKIANG: Taichow, on exposed grassy foothill, 30 ft. altitude, *Ren-Chang Ching*, no. 1297 (type), April 30, 1924; Changhua, on rocky slopes, 900 ft. altitude, *F. N. Meyer*, no. 1548, July 12, 1915.

Meyer's is a sterile specimen which has leaves up to 11 cm. long and 6.5 cm. broad, evidently coming from a vigorous young shoot.

***Vitis chunganensis*, sp. nov.**

Frutex scandens, ad 1.5 cm. altus; rami graciles, subflexuosi, glabri; cirrhi satis robusti. Folia cordato-ovata vel cordato-subdeltoidea ad 14 cm. longa et 9 cm. lata, breviter acuminata, sinu basali lato et profundo, lateribus rotundatis, ad basin serrata dentibus valde remotis callosomucronulatis, utrinque glabra, supra lucide viridia, subtus albido-glaucis, magis reticulata supra quam infra; petioli ad 6 cm. longi, rubro-brunnei. Inflorescentia paniculata, laxa, ad 13 cm. longa, sine cirrhis, rhachide glabra; pedicelli satis robusti; baccae immaturae globosae, circiter 8 mm. diam.

Affinis *V. flexuosae* Thunb. sed foliis majoribus subtus glaucis distincta.

FOKIEN: Chung-An Sien, *H. H. Hu*, no. 1348 (type), September 27, 1921; without precise locality, *S. T. Dunn*, no. 2504, April to June, 1905. Dunn's specimen is with very young fruits.

***Metaplexis sinensis*, comb. nov.**

*Holostemma sinense* Hemsley in Jour. Linn. Soc. xxvi. 103 (1889).

*Metaplexis Hemsleyana* Oliver in Hooker's Icon. Pl. xx. t. 1970 (1891).

Apparently C. Schneider overlooked Oliver's name when he gave a supplementary description of this species in *Plantae Wilsonianae*, III. 344 (1916), as he did not cite Oliver's name as a synonym. He also said: "I doubt if our plant belongs to *Holostemma* at all. . . . Since Oliver made it clear that this species is closely related to *Metaplexis Stauntoni*, the position of this species seems settled. Since Oliver did not make a correct combination, I take this chance to propose it.

***Tabernaemontana pallida*, comb. nov.**

*Ervatamia pallida* Pierre in Spire, Caoutch. Indo-Chine, 141 (1906).

Otto Stapf in Thiselton-Dyer, *Flora of Tropical Africa*, 126 (1902) raised the section *Ervatamia* of *Tabernaemontana* to generic rank, but E. D. Merrill in his various writing did not take up this new genus. I also think the difference is not pronounced, and it is better to reduce *Ervatamia* to a section again. Hence the new combination for this species.



Hu, H. H. 1925. "Further Notes on Chinese Ligneous Plants." *Journal of the Arnold Arboretum* 6(3), 140–143. <https://doi.org/10.5962/p.317993>.

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