

AN ENUMERATION OF THE LIGNEOUS PLANTS OF ANHWEI¹

ALFRED REHDER AND ERNEST H. WILSON.

RUTACEAE

Determined by ALFRED REHDER

Zanthoxylum setosum Hemsley in Jour. Linn. Soc. xxiii. 107 (1886).Chu hwa shan, *R. C. Ching*, no. 2668, Herb. Univ. Nanking no. 7596, May 2, 1925 (shrub 5 m. tall).**Zanthoxylum alatum** Roxburgh var. **planispinum** Rehder & Wilson in Sargent, Pl. Wilson. ii. 125 (1916).*Zanthoxylum planispinum* Siebold & Zuccarini in Abh. Akad. Münch. iv. pt. ii. 138 (Fl. Jap. Fam. Nat. i. 30) (1846).

Chuchow, Herb. Univ. Nanking no. 1298, May 4, 1920.

Zanthoxylum schinifolium Siebold & Zuccarini in Abh. Akad. Münch. iv. pt. ii. 137 (Fl. Jap. Fam. Nat. i. 29) (1846).—Shirasawa, Icon. Ess. For. Jap. ii. t. 33, fig. 1-15 (1908).*Fagara schinifolia* Engler in Engler & Prantl, Nat. Pflanzenfam. iii. abt. iv. 117 (1896).Chin yung hsien, foot of mountain, *K. Ling*, no. 1123, Herb. Univ. Nanking no. 9616, August 6, 1924 (shrub 1 m. tall); Li shan, northwest Chemen, alt. 200 m., *R. C. Ching*, no. 3107, August 3, 1925 (shrub 4 m. tall).**Zanthoxylum molle**, Rehder, sp. nov. (§ *Fagara*).

Arbor 4-10-metralis; cortex cinereus, aculeatus (fide *R. C. Ching*); ramuli crassi, initio tomentelli, mox glabrescentes, in sicco purpureo-fusci, aculeis crassis conicis vel leviter compressis rectis rarius leviter curvatis 1-2 mm. longis armati. Folia decidua, pinnata, 30-40 cm. longi petiolo 10-12 cm. longo et ut rhachis initio villosulo demum glabrescente purpurascente incluso; foliola 7-9 vel interdum in folio sub inflorescentia ad 3 reducta, lateralia brevissime petiolulata vel petiolis inferioribus ad 3 mm. longis, terminale petiolo 2-3 cm. longo suffultum, ovata vel ovato-oblonga, 8-14 cm. longa et 3.5-6.5 vel fere 7 cm. lata, subito acuminata, basi rotundata vel latissime cuneata, margine leviter revoluta glandulis conspicuis notata non vel vix crenulata, supra glabra costa impressa villosula excepta, nitidula, glanduloso-punctulata, subtus dense molliter lanuginoso-villosa, crassiuscula, nervis lateralibus 12-18 supra impressis subtus prominulis. Inflorescentia terminalis, breviter pedunculata, corymboso-paniculata, breviter flavescenti-villosula, axibus ultimis hirsuto-villosis, inermis vel axi primaria sparse aculeolata, mascula circiter 20 cm. alta et 25-30 cm. lata, feminea minor; flores pentameri, subsessiles, masculi in axibus 5ti-7mi, feminei 4ti-6ti ordinis, basi bracteis 3 late ovatis sepala vix aequantibus ciliolatis extus sparse pilosis suffulti; sepala late ovata, 0.75 mm. longa, obtusiuscula, fere glabra vel ciliolata et extus basin versus sparse pilosa; petala oblonga, concava, 2.5 mm. longa, obtusa, albida; flores masculi staminibus 5, filamentis subulatis

¹ Continued from p. 129.

3 mm. longis petala paullo superantibus, antheris orbiculari-ovatis, pistillo abortivo tripartito petala dimidia fere aequante; flores feminei ovario subgloboso e carpellis 3 basi et apice connatis ceterum liberis composito petala fere aequante, stylo brevissimo, stigmate magno peltato apicem ovarii fere tegente. Fructus desiderantur.

ANHWEI: west Chemen, alt. 230 m., in wood near stream, *R. C. Ching*, no. 3182, August 8, 1925 (tree 10 m. tall, trunk 20 cm. diam.; pistillate flowers; type).

HUPEH: Patung, ravines, *E. H. Wilson*, Veitch Exped. no. 2487, July, 1901 (tree 4-7 m. tall; staminate flowers).

This new species is easily distinguished from all other Chinese species by the large leaflets densely soft-pubescent beneath; it seems most nearly related to *Z. giganteum*¹ and to *Z. ailanthoides* Sieb. & Zucc. which both are quite glabrous. With the former it agrees in the number and shape of leaflets which are even somewhat larger and more lustrous in *Z. giganteum*, while the latter has small, narrower and more numerous leaflets.

Evodia glauca Miquel in Ann. Mus. Bot. Lugd.-Bat. III. 23 (1867); Prol. Fl. Jap. 211 (1867).

Evodia meliaefolia Shirasawa, Icon. Ess. For. Jap. II. t. 34 fig. 1-9 (1908).—Non Bentham.

Si liu, Chemen, alt. 250 m., *R. C. Ching*, no. 3098, August 3, 1925 (tree 10 m. tall).

Evodia officinalis Dode in Bull. Soc. Bot. France, LV. 703 (1908).—Rehder & Wilson in Sargent, Pl. Wilson. II. 130 (1914).

Wang shan, *K. Ling*, no. 1152, Herb. Univ. Nanking no. 7732, August 9, 1924; Wang shan, Wu yung, alt. 1000 m., *K. Ling*, no. 1296, Herb. Univ. Nanking no. 9623, August 21, 1924; Chu hwa shan, alt. 600 m., *R. C. Ching*, no. 2773, June 26, 1925 (tree 14 m. tall).

Skimmia melanocarpa Rehder & Wilson in Sargent, Pl. Wilson. II. 138 (1914).

Chu hwa shan, *R. C. Ching*, no. 2625, Herb. Univ. Nanking no. 7552, April 29, 1925, (shrub 1 m. tall); Wang shan, alt. 750 m., *R. C. Ching*, no. 2947, July 12, 1925 (shrub 1 m. tall; immature fruit).

Without fruit the identification of the specimens remains doubtful; the flowers of no. 2625 are perfect, while in *S. melanocarpa* and *S. japonica* Thunb. they are usually dioecious.

Fortunella Hindsii Swingle in Jour. Washington Acad. Sci. v. 175, fig. 5 (1915).

Atalantia Hindsii Oliver apud Bentham, Fl. Hongk. 51 (1861).

Wu yuan City, alt. 140 m., *R. C. Ching*, no. 3280, August 25, 1925.

Citrus Aurantium Linnaeus, Sp. 782 (1753).

¹ *Zanthoxylum giganteum* Rehder, comb. nov.

Fagara gigantea Handel-Mazzetti, Pl. Nov. Sin. Fortsetz. 10, p. 2 (Anzeig. Akad. Wiss. Wien, 1921, p. 64) (1921).

Liche, near Tunki, cultivated, alt. 120 m., *R. C. Ching*, no. 3344, September 28, 1925 (tree 30 m. tall).

Without fruit the identification of this plant is somewhat doubtful.

Poncirus trifoliata Rafinesque, Sylva Tell. 143 (1838).—Swingle in Sargent, Pl. Wilson. II. 149 (1914).

Citrus trifoliata Linnaeus, Sp. ed. 2, p. 1101 (1763).—Hooker f. in Bot. Mag. CVI. t. 5513 (1880).

West Chemen, alt. 100 m., very rare, possibly cultivated, *R. C. Ching*, no. 3194, August 9, 1925 (shrub 10 m. high).

SIMARUBACEAE

Determined by ALFRED REHDER

Picrasma quassioides Bennett, Pl. Jav. Rar. 198 (1844).

Picrasma ailanthoides Planchon in Lond. Jour. Bot. v. 573 (1846).—Shirasawa, Icon. Ess. For. Jap. I. 90, t. 53 (1900).

Chuchow, Lang yah sze, *A. N. Steward*, Herb. Univ. Nanking no. 2308, June, 14, 1922; without precise locality, *R. C. Ching*, no. 2518, in 1925.

Ailanthus altissima Swingle in Jour. Washington Acad. Sci. VI. 495 (1916).

Ailanthus glandulosa Desfontaines in Mém. Acad. Sci. Paris, 1786, p. 265, t. 8. South Chemen, alt. 250 m., *R. C. Ching*, no. 3206, August 13, 1925.

MELIACEAE

Determined by ALFRED REHDER

Melia Azedarach Linnaeus, Sp. 384 (1753).—Sims in Bot. Mag. XXVII. t. 1066 (1808).—Rehder & Wilson in Sargent, Pl. Wilson. II. 157 (1914), where synonymy and literature is cited.

Melia japonica G. Don, Gen. Syst. I. 680 (1831).—Shirasawa, Icon. Ess. For. Jap. II. t. 34, fig. 14-26 (1908).

West Chemen, alt. 100 m., *R. C. Ching*, no. 3189, August 9, 1925 (tree 12 m. tall).

POLYGALACEAE

Determined by ALFRED REHDER

Polygala arillata Hamilton apud D. Don, Prodr. Fl. Nepal. 199 (1824).—Wallich, Pl. As. Rar. I. t. 100 (1830).—Chodat in Mém. Soc. Phys. Genève, Suppl. no. VIII. 94, t. 17, fig. 12-14 (Monog. Polygal.) (1891).

Wang shan, alt. 580 m., *R. C. Ching*, no. 2933, July 11, 1925; Wang shan, back of Lion Ridge, alt. 1300 m., *R. C. Ching*, no. 2976, July 12, 1925.

EUPHORBIACEAE

Determined by ALFRED REHDER

Securinega ramiflora Müller Arg. in De Candolle, Prodr. XV. pt. II. 449 (1866).—Rehder in Jour. Arnold Arb. VII. 191 (1926).

Securinega fluggeoides Müller Arg. in De Candolle, Prodr. XV. pt. II. 450 (1866). Chuchow, Lang yah sze, *A. N. Steward*, Herb. Univ. Nanking no.

2304, June 14, 1922; Shih tai hsien, alt. 300 m., *A. N. Steward*, no. 1244, Herb. Univ. Nanking no. 5484, August 7, 1924.

I am unable to find sufficient differences between *S. ramiflora* Müll.-Arg. and *S. flüggeoides* Müll.-Arg. to treat them as distinct species, though there are differences in habit, color of branches and shape and texture of leaves which may be used for the distinction of geographical varieties. Also Dr. Pax agrees (in litt. 14. vi. 1927) that the two are scarcely specifically different.

Phyllanthus flexuosus Müller Arg. in De Candolle, Prodr. xv. pt. II. 324 (1866).

Wang shan, *K. Ling*, no. 1234, Herb. Univ. Nanking no. 7788, August 12, 1924; Wang shan, below Sz tz ling, alt. 1600 m., *A. N. Steward*, no. 1320, Herb. Univ. Nanking no. 7191, August 12, 1924 (shrub 3 m. tall).

Phyllanthus glaucus Wallich, Cat. 7927 A (1832), nomen.—Müller Arg. in Linnaea, xxxii. 14 (1863).

Phyllanthus flüggeiformis Müller Arg. in De Candolle, Prodr. xv. pt. II. 349 (1866).

Chu hwa shan, alt. 600 m., *R. C. Ching*, nos. 2688 (Herb. Univ. Nanking no. 7616) and 2771, May 2 and June 26, 1925 (shrub 6–8 m. tall).

Glochidion puberum Hutchinson in Sargent, Pl. Wilson. II. 518 (1916).

Agyneia pubera Linnaeus, Mant. II. 296 (1771).

Glochidion obscurum Hemsley in Jour. Linn. Soc. xxvi. 425 (1894).—Non Blume.

Without precise locality, *R. C. Ching*, no. 2734, in 1925.

Daphniphyllum macropodum Miquel in Ann. Mus. Bot. Ludg.-Bat. III. 129 (1867).—Rosenthal in Engler, Pflanzenr. IV.-147^a, p. 9, fig. I (1919).

Wang shan, *N. K. Ip*, Herb. Univ. Nanking no. 4767, August 28, 1923; same locality, alt. 1200 m., *R. C. Ching*, no. 2982, July 12, 1925 (shrub 7 m. tall); Wang shan, below Wen chi yuen, alt. 1700 m., *A. N. Steward* no. 1299, Herb. Univ. Nanking no. 7170, August 11, 1924 (shrub 3 m. tall); Chang gon shan, Wu yuan, alt. 800 m., *R. C. Ching*, no. 3221, August 16, 1925 (tree 9 m. tall).

Discocleidion glabrum Merrill in Jour. Arnold Arb. VIII. 8 (1927).

Wu yuan, *K. Ling*, no. 7866, August 24, 1924 (shrub near streams).

Mallotus tenuifolius Pax in Bot. Jahrb. xxix. 429 (1900).

Mallotus apelta Müll. Arg. var. β *tenuifolius* Pax in Engler, Pflanzenr. IV.-147, VII. 171 (1914).

Wang shan, mountain slope, *K. Ling*, no. 1231, Herb. Univ. Nanking no. 9618, August 12, 1924 (tree); Chu hwa shan, *R. C. Ching*, no. 2772, June 27, 1925 (tree 8 m. tall).

Mallotus apelta Müller Arg. in Linnaea, xxxiv. 189 (1865); in De Candolle, Prodr. xv. pt. II. 963 (1866).

Wang shan, alt. 1100 m., *A. N. Steward*, no. 1332, Herb. Univ. Nan-

king no. 7203, August 12, 1924 (shrub 2 m. tall); same locality, *K. Ling*, no. 1230, Herb. Univ. Nanking no. 9617, August 12, 1924; Tiger Ridge, Yeh hsien, *R. C. Ching*, no. 3090, July 27, 1925, (shrub 5 m. tall).

Mallotus repandus Müller Arg. in *Linnaea*, xxxiv. 197 (1865); in De Candolle, *Prodr.* xv. pt. II. 981 (1866).

Shi teh hsien, *K. Ling*, no. 1131, Herb. Univ. Nanking no. 7720, August 7, 1924; Yeh hsien, alt. 300 m., *R. C. Ching*, no. 3086, July 27, 1925 (tree 30 m. tall).

Mallotus philippinensis Müller Arg. in *Linnaea* xxxiv. pt. II. 196 (1865); in De Candolle, *Prodr.* xv. pt. II. 980 (1866).—Meyer & K. Schumann, *Atl. Offiz. Pflanz.* II. 104, t. 88 (1896).—Hayata in *Jour. Coll. Sci. Tokyo*, xx. art. III. 43, t. 3, fig. II (1904).

Wu yuan, *K. Ling*, no. 1339, Herb. Univ. Nanking no. 7874, August 25, 1924; Chemen, alt. 225 m., *R. C. Ching*, no. 3138, August 5, 1925 (shrub 5 m. tall).

Aleurites Fordii Hemsley in Hooker's *Icon.* xxix. t. 2801, 2802 (1906).—Pax in Engler, *Pflanzenr.* iv.-147, i. 132 (1910).—Wilson in *Bull. Imp. Inst.* xi. 447, t. 9-12, 13, fig. 2 (1913).—Chun, *Chin. Econ. Trees*, 208, t. 75 (1923).

Chu hwa shan, *R. C. Ching*, no. 2713, Herb. Univ. Nanking no. 7581, May 1, 1925 (tree 6 m. tall); Wu yuan, alt. 150 m., *R. C. Ching*, no. 3275, August 22, 1925 (tree 10 m. tall).

Sapium sebiferum Roxburgh, *Fl. Ind.* ed. 2, III. 693 (1832).—Pax in Engler, *Pflanzenr.* iv.-147, v. 237 (1912).—Chun, *Chin. Econ. Trees*, 212, t. 76 (1923).

Liu chu wan, alt. 30-250 m., *R. C. Ching*, no. 2737, June 25, 1925.

Sapium japonicum Pax & K. Hoffmann in Engler, *Pflanzenr.* iv.-147, v. 252 (1912).

Excoecaria japonica Müller Arg. in *Linnaea*, xxxii. 123 (1863); in De Candolle, *Prodr.* xv. pt. II. 1217 (1866).—Shirasawa, *Icon. Ess. For. Jap.* II. t. 36, fig. 1-13 (1908).

Wang shan, *K. Ling*, no. 1148, Herb. Univ. Nanking no. 7729, August 9, 1924; same locality, alt. 1000 m., *N. K. Ip*, no. 8, Herb. Univ. Nanking no. 7650, August 11, 1924 (tree 7 m. tall); same locality, alt. 1200 m., *R. C. Ching*, no. 3019, July 15, 1925 (shrub 6 m. tall); Wang si che, south Chu hwa shan, alt. 600 m., *R. C. Ching*, no. 2846, June 29 1925; Kau toun, Tai ping hsien, alt. 200 m., *R. C. Ching*, no. 2882, July 3, 1925 (low shrub).

BUXACEAE

Determined by ALFRED REHDER

Buxus microphylla Siebold & Zuccarini var. *sinica* Rehder & Wilson in Sargent, *Pl. Wilson.* II. 165 (1914).

Wang shan, alt. 550 and 900 m., *R. C. Ching*, nos. 2943 and 3000, July 11 and 13, 1925 (slender shrub 3 m. tall).

ANACARDIACEAE

Determined by ALFRED REHDER

Pistacia chinensis Bunge in Mém. Sav. Étr. Acad. Sci. St. Pétersb. II. 89 (Enum. Pl. Chin. Bor. 15) (1833).—Engler in De Candolle, Monog. Phaner. IV. 291 (1883).—Bean in Kew Bull. Misc. Inform. XXIII. 393, t. (1910) (habit).

Chuchow, Herb. Univ. Nanking no. 1696, April, 13, 1921; Chu hwa shan, *R. C. Ching*, no. 2712, Herb. Univ. Nanking no. 7609, May 5, 1925 (tree 20 m. tall).

Rhus javanica Linnaeus, Sp. 265 (1753); ed. 2, 380 (1762).—Rehder & Wilson in Sargent, Pl. Wilson. II. 178 (1914).

Rhus semialata β *Osbeckii* De Candolle, Prodr. II. 67 (1825).—Shirasawa, Icon. Ess. For. Jap. I. 96, t. 58, fig. 18-34 (1900.)

Chang gon shan, alt. 750 m., *R. C. Ching*, no. 3239, August 17, 1925 (tree 10 m. tall).

Rhus trichocarpa Miquel in Ann. Mus. Bot. Lugd.-Bat. II. 84 (1866); Prol. Fl. Jap. 16 (1866).—Sargent in Gard. & Forest, x. 384, fig. 49 (1897).

Wang shan, alt. 1800 m., *K. Ling*, no. 1173, Herb. Univ. Nanking no. 7746, August 11, 1924; Tien tai shan, Chu hwa shan, alt. 1150 m. *R. C. Ching*, no. 2825, June 28, 1925 (shrub 2-3 m. tall); Chang gon shan, Wu Yuan, alt. 1150 m., *R. C. Ching*, no. 3235, August 17, 1925 (shrub 6-7 m. tall).

Rhus verniciflua Stokes, Bot. Mat. Med. II. 164 (1812).—Rehder & Wilson in Sargent, Pl. Wilson. II. 181 (1914).—Chun, Chin. Econ. Trees, 219, t. 79 (1923).

Rhus vernicifera De Candolle, Prodr. II. 68 (1825), exclud. specim. nepal.—Shirasawa, Icon. Ess. For. Jap. I. 94, t. 57, fig. 17-30 (1900)—De Wildeman, Icon. Hort. Thenens. VI. 1, t. 201 (1906).

Ching yang hsien, alt. 200 m., *A. N. Steward*, no. 1237, Herb. Univ. Nanking no. 5477, August 5, 1924 (shrub 5 m. tall); Chu hwa shan, alt. 580 m., *R. C. Ching*, no. 2775, June 27, 1925 (tree 8 m. tall).

The specimens cited above, and particularly Steward's specimen, differ from typical *R. verniciflua* in their more copious pubescence; the branchlets, inflorescence and petioles are rather densely pilose with fulvous hairs, the leaflets are pilose on the veins and veinlets and slightly on the face beneath and furnished with scattered short hairs above. The only other specimens in the herbarium of this Arboretum with similar pubescence is a specimen collected by A. N. Steward near Hang chow (Herb. Univ. Nanking no. 2360) and R. Mell's no. 15 from northern Kwangtung.

Rhus succedanea Linnaeus, Mant. 221 (1781).—Shirasawa, Icon. Ess. For. Jap. I. 95, t. 57, fig. 1-16 (1900).

Wang shan, alt. 1150 m., *R. C. Ching*, no. 3022, July 15, 1925 (tree 10 m. tall).

AQUIFOLIACEAE

Determined by ALFRED REHDER

Ilex rotunda Thunberg, Fl. Jap. 77 (1784).—Shirasawa, Icon. Ess. For. Jap. i. 100, t. 60, fig. 1–17 (1900).—Loesener in Nov. Act. Acad. Leop.-Carol. LXXVIII. 106 (Monog. Aquifol.) (1901).

Kimen, *N. K. Ip*, no. 42, Herb. Univ. Nanking no. 7667, August 19, 1924 (shrub 7 m. tall); Wang shan, alt. 500 m., *R. C. Ching*, no. 2914, July 5, 1925 (tree 10 m. tall); Li kan, west Chemen, alt. 100 m., *R. C. Ching*, no. 3157, August 7, 1925 (shrub 6 m. tall); south Siunin, alt. 250 m., *R. C. Ching*, no. 3329, September 7, 1925 (tree 6 m. tall).

Ilex pedunculosa Miq. f. β *continentalis* Loesener in Nov. Act. Acad. Leop.-Carol. LXXVIII. 110 (Monog. Aquifol.) (1901).

Wang shan, *K. Ling*, no. 1191, Herb. Univ. Nanking no. 7755, August 11, 1924 (tree 6 m. tall); same locality, above Tze kuan tze, alt. 1450 m., *A. N. Steward*, no. 1286, Herb. Univ. Nanking no. 7158, August 11, 1924 (shrub 4 m. tall); same locality, alt. 1500 m., *R. C. Ching*, no. 3017, July 15, 1925 (shrub 6 m. tall); Tien tai shan, Chu hwa shan, alt. 1150 m., *R. C. Ching*, no. 2816, June 28, 1925 (tree or shrub 7 m. tall).

The Chinese form differs from the Japanese type which is well figured by Shirasawa (Icon. Ess. For. Jap. i. 100, t. 61, fig. 1–10, 1900) only in the larger leaves and more strongly ciliolate calyx-lobes.

Ilex purpurea Hasskarl, Cat. Pl. Hort. Bogor. 230 (1844).

Ilex Oldhami Miquel in Ann. Mus. Bot. Lugd.-Bat. III. 105 (1867).—Hemsley in Jour. Linn. Soc. XXIII. 117 (1886).

Ilex purpurea var. α *Oldhamii* (Miquel) Loesener in Nov. Act. Acad. Leop.-Carol. LXXVIII. 112, t. 3, fig. 2 (Monog. Aquifol.) (1901).

North foot of Chu hwa shan, alt. 300 m., *R. C. Ching*, no. 2758, June 26, 1925 (tree 14 m. tall); Chemen, alt. 250 m., *R. C. Ching*, no. 3122, August 8, 1925 (tree 12 m. tall); without precise locality, *P. Heude*, about 1874 (ex Hemsley, l. c.).

Ilex Hanceana Maxim. var. *anhweiensis* Loesener, var. nov.

A typo recedit ramulis longius hirtellis. TH. LOESENER.

Li shan, northwest Chemen, alt. 175 m., *R. C. Ching*, no. 3109, August 8, 1925 (slender shrub 2.5 m. tall).

This new variety differs from the type in its more conspicuous pubescence; the branchlets remain densely short-pilose up to the fourth year; the leaves are obovate or oval to oblong, distinctly emarginate at the apex and of thinner texture than specimens of the typical form from Hongkong; the young fruits are solitary and subsessile.

Ilex Pernyi Franchet in Nouv. Arch. Mus. Paris, sér. 2, v. 221 (Pl. David. I. 69) (1883).—Oliver in Hooker's Icon. XVI. t. 1539 (1886).—Loesener in Nov. Act. Acad. Leop.-Carol. LXXVIII. 278 (1901).

Chang gon shan, Wu yuan, alt. 750 m., *R. C. Ching*, no. 3246, August 17, 1925 (shrub 4 m. tall).

Ilex cornuta Lindley & Paxton, Flow. Gard. I. 43, fig. 27 (1850).—

Hooker in Bot. Mag. LXXXIV. t. 5059 (1858).—Loesener in Nov. Act. Acad. Leop.-Carol. LXXVIII. 278 (1901).

Chu hwa shan, *R. C. Ching*, no. 2719, Herb. Univ. Nanking no. 7524, May 3, 1925 (tree 11 m. tall); Liu chu wan, alt. 250 m., *R. C. Ching*, no. 2736, June 25, 1925 (tree 7 m. tall).

Ilex latifolia Thunberg, Fl. Jap. 79 (1784).—Shirasawa, Icon. Ess. For. Jap. I. 102, t. 62, fig. 17-32 (1900).—Loesener in Nov. Act. Acad. Leop.-Carol. LXXVIII. 289 (1901).

Wang shan, above Mao pung, alt. 1200 m., *A. N. Steward*, no. 1268, Herb. Univ. Nanking no. 7140, August 9, 1924; Chu hwa shan, alt. 800 m., *K. Ling*, no. 2053, Herb. Univ. Nanking no. 7295, April 25, 1924 (tree 16 m. tall); same locality, *R. C. Ching*, no. 2626, Herb. Univ. Nanking no. 7554, April 29, 1925 (tree 20 m. tall, trunk 60 cm. diam.); Li Kan, Chemen, alt. 100 m., *R. C. Ching*, no. 3155, August 7, 1925 (tree 15 m. tall, trunk 55 cm. diam.).

Ilex ficoidea Hemsley in Jour. Linn. Soc. XXIII. 116 (1886).—Loesener in Nov. Act. Acad. Leop.-Carol. LXXVIII. 328 (1901).

Tan chuan, Wu yuan, *K. Ling*, no. 1320, Herb. Univ. Nanking no. 7858, August 24, 1924 (tree 10 m. tall).

Ilex triflora Bl. var. *viridis* Loesener in Nov. Act. Acad. Leop.-Carol. LXXVIII. 345 (1901).

Ilex viridis Champion in Hooker Jour. Bot. & Kew Gard. Misc. IV. 329 (1852).

Wang shan, alt. 1130 m., *R. C. Ching*, no. 3025, July 15, 1925 (shrub 6 m. tall).

Ilex memecylifolia Champion in Hooker Jour. Bot. & Kew Gard. Misc. IV. 328 (1852).—Loesener in Nov. Act. Acad. Leop.-Carol. LXXVIII. 350 (1901).

Wu yuan, alt. 550 m., *R. C. Ching*, no. 3307, September 4, 1925 (shrub 5 m. tall).

Ilex Wilsonii Loesener in Nov. Act. Leop.-Carol. LXXIX. 287 (Monog. Aquifol. II) (1908).

Wang shan, alt. 1600 m., *N. K. Ip*, Herb. Univ. Nanking no. 4793, August 28, 1923; same locality, *K. Ling*, no. 1176, Herb. Univ. Nanking no. 7749, August 11, 1924 (tree 6 m. tall); Wang shan, on the way to Lion ridge, alt. 900 m., *R. C. Ching*, no. 2974, July 12, 1925 (shrub 3 m. tall).

Here belong also Ching's numbers 1624, 1746, 1748 and 2494 from Chekiang. For the determination of this *Ilex* I am indebted to Dr. Loesener to whom I had sent material of Ching's numbers 1624, 1746 and 2974.

Ilex pubescens Hooker & Arnott, Bot. Voy. Beechey, 176, t. 35 (1841).—Loesener in Nov. Act. Acad. Leop.-Carol. LXXVIII. 356 (1901).

Wu yuan, *K. Ling*, no. 1326, Herb. Univ. Nanking no. 7863, August 24, 1924.

Ilex dubia Trel. var. **pseudomacropoda** Loesener in Sargent, Pl. Wilson. i. 82 (1911).

Wang shan, *K. Ling*, no. 1211, Herb. Univ. Nanking no. 7772, August 12, 1924; same locality, alt. 1300–1375 m., *R. C. Ching*, nos. 3020; 3048, July 15 and 17, 1927 (tree 10–12 m. tall); Chang gon shan, Wu yuan, alt. 750 m., *R. C. Ching*, no. 3241, August 17, 1925, (tree 10 m. tall).

Ilex macrocarpa Oliver in Hooker's Icon. xviii. t. 1787 (1888).—Loesener in Nov. Act. Acad. Leop.-Carol. LXXVIII. 489 (1901).

Sixty li north of Chu hwa shan, *R. C. Ching*, no. 2722, May 3, 1925; on the way to Chu hwa shan, alt. 165 m., *R. C. Ching*, no. 2750, June 25, 1925 (tree 15 m. tall); without precise locality, *R. C. Ching*, no. 2732, in 1925 (flowers).

CELASTRACEAE

Determined by ALFRED REHDER

Evonymus alata Regel, Tent. Fl. Ussur. 40, t. 7, fig. 124 (1861).—Shirasawa, Icon. Ess. For. Jap. i. 104, t. 63 (1900).

Evonymus Thunbergiana Blume, Bijdr. Fl. Ned. Ind. 1147 (1825).—Hemsley in Jour. Linn. Soc. xxiii. 121 (1886).

Chuchow, *L. F. Tsu*, Herb. Univ. Nanking no. 513, May 4, 1920; Chuchow, Lang yah sze, *A. N. Steward*, Herb. Univ. Nanking no. 2328, June 15, 1922; Wang shan, *N. K. Ip*, Herb. Univ. Nanking no. 5123, August 28, 1923; Chu hwa shan, *R. C. Ching*, no. 2677, Herb. Univ. Nanking no. 7605, May 2, 1925 (shrub 6 m. tall); Tien tai shan, Chu hwa shan, alt. 1150 m., *R. C. Ching* no. 2822, June 28, 1925 (shrub 25 m. tall); Wang si che, Chu hwa shan, alt. 600 m., *R. C. Ching*, no. 2876, June 30, 1925 (shrub 3 m. tall).

All the specimens cited above except the first have the branches destitute of corky wings and therefore represent the form distinguished as var. *aptera* Reg. (*E. subtriflora* Bl.).

Evonymus euscaphis Hand.-Mazz. var. **gracilipes** Rehder, var. nov.

A typo recedit foliis angustioribus et longioribus 5–11.5 cm. longis et 8–16 mm. latis, pedunculis 2–3 et pedicellis 1–1.5 cm. longis filiformibus pendentibus.

Chang gon shan, Wu yuan, alt. 850 m., *R. C. Ching*, no. 3249, August 17, 1925 (shrub 1 m. tall).

This new variety agrees well with Handel-Mazzetti's no. 11031, the type of *E. euscaphis*, in its fruit which resembles that of *E. alata*, but it differs in the longer and narrower leaves and the slenderer and longer peduncles and pedicels. In the shape of its leaves and in the slender peduncles and pedicels it resembles according to the description very much *E. amygdalifolia* Franch. of which the fruit is unknown, but leaves of the latter are described as "tenuiter papyracea," 4–8 cm. long and 1–2 cm. broad, and the petioles as 5–10 mm. long, while in our plant the leaves are coriaceous and at least partly persistent, longer and narrower and the petioles are 3–6 mm. long.

Evonymus acanthocarpa Franch. var. **sutchuenensis** Franchet apud Loesener in Bot. Jahrb. xxix. 439 (1900).

Without precise locality, *R. C. Ching*, in 1925.

This specimen was numbered 3028 apparently by mistake as this number belongs to another plant.

Evonymus Maackii Ruprecht in Bull. Phys.-Máth. Acad. Sci. St. Pétersb. xv. 358 (1857).

Wang shan, alt. 1800 m., *K. Ling*, no. 1171, Herb. Univ. Nanking no. 7744, August 11, 1924; Chu hwa shan, *R. C. Ching*, no. 2680, Herb. Univ. Nanking no. 7608, May 2, 1925 (tree 10 m. tall).

Evonymus Bungeana Maximowicz in Mém. Div. Sav. Acad. Sci. St. Pétersb. ix. 470 (Ind. Fl. Pekin.) (1859); in Mém. Biol. ix. 188 (1881); in Bull. Acad. Sci. St. Pétersb. xxvii. 448 (1882).—Rehder in Sargent, Trees & Shrubs i. 125, t. 63 (1903).—Prain in Bot. Mag. cxlii. t. 8656 (1916).

Wang shan, alt. 300–900 m., *N. K. Ip*, Herb. Univ. Nanking no. 5136, August 28, 1923; 30 li south of Tatung, alt. 100 m., *R. C. Ching*, no. 2743, June 25, 1925 (tree 10 m. tall).

Evonymus oxyphylla Miquel in Ann. Mus. Bot. Lugd.-Bat. ii. 86 (1865–1866).—Shirasawa, Icon. Ess. For. Jap. i. 104, t. 64, fig. 1–10 (1900).—Prain in Bot. Mag. cxli. t. 8639 (1915).

Wang shan, alt. 11–1500 m., *N. K. Ip*, no. 17, Herb. Univ. Nanking no. 7651, August 11, 1924 (tree 6–7 m. tall); same locality, *K. Ling*, nos. 1168 and 1186, Herb. Univ. Nanking nos. 7743 and 7752, August 11, 1924 (tree 4 m. tall); *R. C. Ching*, no. 2989, July 13, 1925 (slender shrub 5 m. tall); west Wu yuan, alt. 900 m., *R. C. Ching*, no. 3251, August 17, 1925 (shrub or small tree 8 m. tall).

Evonymus grandiflora Wallich in Roxburgh, Fl. Ind. ed. Carey, II. 404 (1824); Tent. Fl. Nepal. 41, t. 30 (1824); Pl. As. Rar. iii. 35, t. 254 (1832).—Loesener in Bot. Jahrb. xxx. 452 (1902).

Kimen hsien, top of mountain, alt. 550 m., *K. Ling*, no. 1266, Herb. Univ. Nanking no. 7810, August 18, 1924 (tree 7 m. tall); Shu ling hsien, *K. Ling*, no. 1293, Herb. Univ. Nanking no. 7834, August 21, 1924; Wang shan, foot of mountain, *K. Ling*, no. 1135, Herb. Univ. Nanking no. 9230, August 7, 1924 (tree 4 m. tall); same locality, alt. 1300 m., *R. C. Ching*, no. 3034, July 15, 1925 (shrub 10 m. tall); on the way to Chu hwa shan, alt. 250 m., *R. C. Ching*, no. 2751, June 25, 1925 (small tree 6 m. tall); west Chemen, alt. 100 m., *R. C. Ching*, no. 3191, August 9, 1925 (shrub 8 m. tall); east Wu yuan, alt. 550 m., *R. C. Ching*, no. 3313, September 4, 1925 (tree 6 m. tall).

Evonymus patens Rehder in Sargent, Trees & Shrubs, i. 127, t. 64 (1903).

Evonymus kiautschovica var. *patens* Loesener in Sargent, Pl. Wilson. i. 486 (1913).

Wang shan, *N. K. Ip*, Herb. Univ. Nanking no. 5141, August 28,

1923; near Ching yang hsien, alt. 200 m., *A. N. Steward*, no. 1235, Herb. Univ. Nanking no. 5475, August 5, 1924 (climbing on *Aphananthe*); same locality, *K. Ling*, no. 1117, Herb. Univ. Nanking no. 7711, August 5, 1924 (climbing on *Acer*); Wu yuan, *K. Ling*, no. 1310, Herb. Univ. Nanking no. 7848, August 23, 1924; Tatung, alt. 100 m., *R. C. Ching*, no. 2741, June 25, 1925 (climbing to 20 m.).

Evonymus radicans Miq. var. *acuta* Rehder in Mitt. Deutsch. Dendr. Ges. xxii. 257 (1913).

Evonymus japonica var. *acuta* Rehder in Sargent, Pl. Wilson. i. 485 (1913).

Chu hwa shan, *R. C. Ching*, no. 2632, Herb. Univ. Nanking no. 7560, April 30, 1925 (climbing to 13 m. high); Tien tai shan, Chu hwa shan, alt. 900 m., *R. C. Ching*, no. 2832, June 28, 1925 (climbing on rocky cliffs to 10 m. high); Wang shan, back of Lion Ridge, alt. 1280 m., *R. C. Ching*, no. 2980, July 12, 1925 (climbing to 12 m. high).

Monimopetalum chinense Rehder in Jour. Arnold Arb. vii. 233 (1926).

Chemen, alt. 120 m., *R. C. Ching*, no. 3096, August 3, 1925 (slender climber to 6 m. high).

Microtropis fokienensis Dunn in Jour. Linn. Soc. Bot. xxxviii. 357 (1908).

Wang shan, back of Tei kwan tie, *K. Ling*, no. 1184, Herb. Univ. Nanking no. 9610, August 11, 1924 (small tree).

Celastrus articulata Thunberg, Fl. Jap. 97 (1784).—Hooker f. in Bot. Mag. ccxxiv. t. 7599 (1898).—Rehder & Wilson in Sargent, Pl. Wilson. ii. 356 (1915).

Chu hwa shan, *R. C. Ching*, nos. 2661, 2700, Herb. Univ. Nanking nos. 7589, 7628, May 1 and 2, 1925; east of Kweichow City, alt. 150 m., *R. C. Ching*, no. 3334, September 10, 1925.

Celastrus gemmata Loesener in Bot. Jahrb. xxx. 468 (1902).—Rehder & Wilson in Sargent, Pl. Wilson. ii. 352 (1915).

Wang shan, *K. Ling*, nos. 1159, 1194, 1246, Herb. Univ. Nanking nos. 7734, 7758, 7836, August 9, 11 and 14, 1924; Kimen, *N. K. Ip*, no. 48, Herb. Univ. Nanking no. 7672, August 19, 1924; Wu yuan, *K. Ling*, no. 1349, Herb. Univ. Nanking 7882, August 25, 1924; Chu hwa shan, *R. C. Ching*, no. 2638, Herb. Univ. Nanking no. 7566, May 1, 1925; Wang si chi, south Chu hwa shan, alt. 600 m., *R. C. Ching*, no. 2845, June 29, 1925; Li kan, alt. 100 m., *R. C. Ching*, no. 3165, August 7, 1925.

Celastrus hypoleuca Warburg apud Loesener in Bot. Jahrb. xxix. 445 (1900).

South side of Wang shan, alt. 800 m., *R. C. Ching*, no. 3065, July 20, 1925.

Ching's no. 3065 is referred with some doubt to this species from which it differs in the much smaller inflorescence not exceeding 4 cm. and in the short pedicels only 5 mm. or less long.

Tripterygium Forrestii Loesener in Not. Bot. Gard. Edinb. VIII. 4, t. 2 (1913).

Tripterygium Wilfordi var. *exesum* Sprague & Takeda in Kew Bull. Misc. Inform. xxv. 222 (1912).

Wang shan, alt. 1300–1500 m., *A. N. Steward*, no. 1267, Herb. Univ. Nanking no. 7139; same locality, *K. Ling*, no. 1139, Herb. Univ. Nanking no. 9608, August 9, 1924; same locality, *R. C. Ching*, no. 3012, July 15, 1925 (climber up to 10 m. high); Chu hwa shan, alt. 600 m., *R. C. Ching*, no. 2806, June 28, 1925 (dense climbing shrub 13 m. high).

All the Chinese material I have seen seems to belong to *T. Forrestii* which may be identical with *T. Bullockii* Hance, but as long as I have not seen Hance's type I hesitate to take up as the correct name for the species Hance's *T. Bullockii* which is usually referred as a synonym to *T. Wilfordi* Hook. f. following Sprague & Takeda who, however, had included many specimens referred here to *T. Forrestii*, and their description of *T. Wilfordi* seems to be based chiefly on specimens of the former. The only specimen from Formosa which I have seen is Faurie's no. 75 collected near Kelung; this differs from *T. Forrestii* in the verruculose branchlets, the broad-elliptic abruptly short-acuminate and more coarsely crenate-serrate leaves green beneath and in the fruit being truncate at apex and at base. All the specimens of *T. Forrestii* of which I have 28 before me including isotypes of Loesener's *T. Forrestii* and Sprague's & Takeda's *T. Wilfordi* var. *exesum* are of rather uniform appearance; the leaves are ovate to ovate-oblong, long-acuminate, decidedly glaucescent beneath and rather finely serrulate or crenate-serrulate; the petioles and the midribs and veins beneath are either tomentulose, the petioles often densely so, or glabrescent or nearly if not quite glabrous. Only a specimen from Kwangtung (Pl. Mell. Sin. 890) differs markedly in the dense and fine brown tomentum of the branches and in the coarser serration of the leaves.

STAPHYLEACEAE

Determined by ALFRED REHDER

Staphylea bumalda De Candolle, Prodr. II. 2 (1825).—Shirasawa, Icon. Ess. For. Jap. II. 97, t. 40, fig. 14–27 (1908).

Tien tai shan, Chu hwa shan, alt. 1050 m., *R. C. Ching*, no. 2860, June 29, 1925 (shrub 5 m. tall).

Euscaphis japonica Dippel, Handb. Laubholzk. II. 480, fig. 229 (1892).

Euscaphis staphyleoides Siebold & Zuccarini, Fl. Jap. I. 124, t. 67 (1835).

Wang shan, alt. 1200 m., *N. K. Ip*, Herb. Univ. Nanking no. 4791, August 28, 1923, (tree 5 m. tall), *K. Ling*, no. 1241, Herb. Univ. Nanking no. 7793, August 14, 1924, (shrub 2 m. tall); Wu yuan, *K. Ling*, no. 1325, Herb. Univ. Nanking no. 7862, August 24, 1924; Chu hwa shan, alt. 600 m., *R. C. Ching*, no. 2779, June 27, 1925 (tree 8 m. tall).

ACERACEAE

Determined by ALFRED REHDER

Acer pictum var. **parviflorum** Schneider, Ill. Handb. Laubholz. II. 225, fig. 151g (1907).—Chun, Chin. Econ. Trees, 229, t. 82 (1923).

Acer pictum var. *Mono* Franchet in Nouv. Arch. Mus. Paris, sér. 2, v. 229 (Pl. David. I. 77) (1883).—Nakai, Fl. Sylv. Kor. I. t. 12, fig. 1-4 (1915).

Lang Yah Sze, Chuchow, *A. N. Steward*, Herb. Univ. Nanking no. 2307, June 14, 1922; same locality, alt. 300 m., *A. N. Steward*, no. 1074, Herb. Univ. Nanking no. 5440, October 27, 1923 (tree 15 m. high); Tien tai shan, Chu hwa shan, alt. 1500 m., *A. N. Steward*, no. 1162, Herb. Univ. Nanking no. 5285, April 25, 1924 (tree 5 m. high); same locality, alt. 1150 m., *R. C. Ching*, no. 2788, June 28, 1925 (small tree 8 m. high).

Acer cappadocicum var. **sinicum** Rehder in Sargent, Pl. Wilson. I. 85, (1911).

Acer laetum var. *cultratum* Pax in Engler, Pflanzenr. IV. 163, 48 (1902), pro parte.—Veitch in Jour. Roy. Hort. Soc. XXIX. 354, fig. 101 (1904).

Chang gon shan, Wu Yuan, alt. 720 m., *R. C. Ching*, no. 3228, August 16, 1925 (large tree 25 m. tall).

Acer longipes Franchet apud Rehder in Sargent, Trees & Shrubs, I. 178 (1905).—Schneider, Ill. Handb. Laubholz. II. 225, fig. 152c (1912).

Siunin, alt. 250 m., *R. C. Ching*, no. 3262, August 21, 1925.

Acer palmatum Thunberg, Fl. Jap. 162 (1784).—Shirasawa, Icon. Ess. For. Jap. I. t. 68 (1900).

Tien tai shan, Chu hwa shan, *R. C. Ching*, no. 2828, June 28, 1925 (shrub with spreading branches, 6 m. tall); Chang gon shan, Wu yuan, alt. 750 m., *R. C. Ching*, no. 3243, August 17, 1925 (shrub 10 m. tall).

Acer Oliverianum Pax in Hooker's Icon. XIX. sub tab. 1897 (1899).—Rehder in Sargent, Trees & Shrubs I. 153, t. 77 (1905).

Wang shan, alt. 1400 m., *N. K. Ip*, Herb. Univ. Nanking no. 4794, August 28, 1923 (tree 5 m. tall); Chu hwa shan, *R. C. Ching*, no. 2625 (B), April 25, 1925 (tree 8 m. tall); same locality, *R. C. Ching*, no. 2799, June 28, 1925 (tree 8 m. tall).

Acer sinense Pax in Hooker's Icon. XIX. text to t. 1897 (1899).—Rehder in Sargent, Trees & Shrubs I. 155, t. 78 (1905).

Wang shan, alt. 750 m., *R. C. Ching*, no. 2963, July 12, 1925 (tree of medium size 15 m. tall); same locality, alt. 660 m., *R. C. Ching*, no. 3028, July 15, 1925 (slender shrub 10 m. tall); Siunin, alt. 250 m., *R. C. Ching*, no. 3263, August 21, 1925 (tree 12 m. tall).

From typical *Acer sinense* the Anhwei specimens differ in the smaller fruits and smaller leaves not glaucescent beneath.

Acer ginnala Maximowicz in Bull. Phys.-Math. Acad. Sci. St. Pétersb. XV. 126 (1857).—Rehder in Jour. Arnold Arb. VII. 220 (1926).—Nakai, Fl. Sylv. Kor. I. 8, t. 2 (1915).

Chu hwa shan, *R. C. Ching*, no. 2636, Herb. Univ. Nanking no. 7564, May 1, 1925 (shrub or small tree 8 m. tall); same locality, *R. C. Ching*,

no. 2702, Herb. Univ. Nanking no. 7629, May 2, 1925 (tree 10 m. tall); same locality, *R. C. Ching*, no. 2778, June 27, 1925 (small tree 4 m. tall).

All the specimens cited above belong to the form with slightly or not lobed leaves and, therefore, resemble *A. tataricum* L. from which it may be distinguished by the characters pointed out in my paper cited above.

Acer Buergerianum Miquel in Ann. Mus. Bot. Lugd.-Bat. II. 88 (1865).

Acer trifidum Hooker & Arnott, Bot. Voy. Beechey, 174 (1841).—Koidzumi in Jour. Coll. Sci. Tokyo, XXXII. I. t. 17 (1911).

Yuting, *N. K. Ip*, Herb. Univ. Nanking no. 5144, August 24, 1923 (tree or shrub); Ching yang hsien, *K. Ling*, no. 1119, Herb. Univ. Nanking no. 7713, August 5, 1924 (tree 23 m. tall); Kimen, alt. 400 m., *K. Ling*, no. 1268, Herb. Univ. Nanking no. 7812, August 18, 1924 (tree 18 m. tall); same locality, *N. K. Ip*, no. 35, Herb. Univ. Nanking no. 7661, August 18, 1924; Shu ling hsien, alt. 400 m., *K. Ling*, no. 1288, Herb. Univ. Nanking no. 7829, August 19, 1924 (17 m. tall); Wu yuan, *K. Ling*, no. 1331, Herb. Univ. Nanking no. 7867, August 24, 1924 (tree); south Chu hwa shan, alt. 120 m., *R. C. Ching*, no. 2890, July 3, 1925 (tree 25 m. tall); Wang shan, alt. 300 m., *R. C. Ching*, no. 2896, July 5, 1925 (large tree 19 m.); Yeh hsien, alt. 105 m., *R. C. Ching*, no. 3082, July 27, 1925 (tree 10 m. tall); same locality, *K. Ling*, no. 1264, Herb. Univ. Nanking no. 7808, August 15, 1924 (tree 20 m. tall).

Acer cordatum Pax in Hooker's Icon. XIX. sub. t. 1897 (1889).—Schneider, Ill. Handb. Laubh. II. 214 fig. 142, g-k (1912).

West Siunin, alt. 360 m., *R. C. Ching*, no. 3260, August 18, 1925 (shrub 5 m. tall).

Acer Davidi Franchet in Nouv. Arch. Mus. Paris, sér. 2, VIII. 212 (Pl. David. II. 30) (1884).—Anon. in Gard. Chron. ser. 3, LXI. 46, fig. 17 (1917).

Wang so chu, south Chu hwa shan, alt. 540 m., *R. C. Ching*, no. 2875, June 30, 1925 (tree 11 m. tall); Chemen, alt. 560 m., *R. C. Ching*, no. 3173, August 8, 1925 (tree 18 m.).

Acer Grosseri Pax in Engler, Pflanzenr. IV.-162, p. 80 (1902).—Rehder in Jour. Arnold Arb. VII. 222 (1926).

Chu hwa shan, alt. 1300 m., *A. N. Steward*, no. 1169, Herb. Univ. Nanking no. 5291, April 25, 1924 (tree 6 m. high); same locality, *R. C. Ching*, no. 2613, Herb. Univ. Nanking no. 7538, April 29, 1925 (small tree with long erect branches, 6 m. tall).

This and the following species are closely related to *A. Davidi* Franch. on one side and to *A. laxiflorum* Pax or *A. Maximowiczii* Pax on the other; the differences are pointed out in my paper cited above.

Acer Hersii Rehder in Jour. Arnold Arb. III. 217 (1922), speciminibus plurimis excludendis; VII. 222 (1926).

Tien tai shan, Chu hwa shan, *R. C. Ching*, no. 2789, June 28, 1925 (shrub of spreading habit, 6 m. tall).

Acer Henryi Pax in Hooker's Icon. XIX. t. 1896 (1889).—Anon. in Gard. Chron. ser. 3, LXXVII. 193, suppl. (1925).

Wu yuan, alt. 600 m., *R. C. Ching*, no. 3255, August 18, 1925 (shrub 10 m. tall).

SAPINDACEAE

Determined by ALFRED REHDER

Sapindus mukorossi Gaertner, Fruct. I. 342, t. 70 (1788).—Shirasawa, Icon. Ess. For. Jap. I. t. 71 (1900).

Chuchow, *L. F. Tsu*, Herb. Univ. Nanking no. 530, June 26, 1920; Chemen, alt. 210 m., *R. C. Ching*, no. 3128, August 5, 1925 (tree 13 m. tall).

Koelreuteria paniculata Laxmann in Nov. Comm. Acad. Sci. Petrop. XVI. 561 (1772).—Ker in Bot. Reg. IV. t. 330 (1818).

Chuchow, *L. F. Tsu*, Herb. Univ. Nanking, no. 529, June 27, 1920.

Koelreuteria integrifolia Merrill in Philip. Jour. Sci. XXI. 500 (1922).

Wu yuan, *K. Ling*, no. 1335, Herb. Univ. Nanking no. 7871, August 24, 1924 (tree 14 m. tall).

SABIACEAE

Determined by ALFRED REHDER

Sabia latifolia Rehder & Wilson in Sargent, Pl. Wilson. II. 195 (1914).

Chu hwa shan, Tien tai shan, alt. 1400 m., *A. N. Steward*, no. 1168, Herb. Univ. Nanking no. 5290, April 25, 1924 (shrub; leaves reddish; flowers greenish).

The specimen does not seem to be specifically different from *S. latifolia*, though the leaves are somewhat narrower and the pubescence on their under side is restricted to the midrib and the flowers have the stamens as long or slightly longer than the petals.

Sabia spec.

Kimien, *K. Ling*, no. 1283, Herb. Univ. Nanking no. 7825, August 19, 1924.

This specimen seems nearest to *S. japonica* Maximowicz from which it differs chiefly in the short-pilose branchlets and pedicels and in the sparingly appressed-pubescent fruit. As the specimen is only in fruit, the description of this apparently new species may be deferred until the flowers are known.

Meliosma pilosa Lecomte in Bull. Soc. Bot. France, LIV. 673 (1908).

Chu hwa shan, *R. C. Ching*, no. 2664, Herb. Univ. Nanking no. 7592, May 2, 1925 (tree 10 m. tall, bark gray, smooth); Wang shan, alt. 640 m., *R. C. Ching*, no. 2964, July 12, 1925 (tree 20 m. tall, bark gray, smooth).

Meliosma myriantha Sieb. & Zucc. var. *discolor* Dunn in Jour. Linn. Soc. Bot. XXXVIII. 358 (1908).

Wang shan, *K. Ling*, no. 1285, Herb. Univ. Nanking no. 9622, August 19, 1924 (tree 12 m. tall).

Though this number is represented only by a sterile branch, I have little doubt that it is referable to Dunn's variety of which I have an isotype before me.

Meliosma pendens Rehder & Wilson in Sargent, Pl. Wilson. II. 200 (1914).

Wang si che, south Chu hwa shan, alt. 900 m., *R. C. Ching*, no. 2851, June 29, 1925 (large shrub, 6–7 m. tall).

Ching's specimen looks at first glance quite different from the type of *M. pendens*; its leaves are larger and firmer up to 14 cm. long, the whole branch and the inflorescence is much more robust, though the latter is apparently pendent, and the flowers are somewhat larger, 5–6 mm. across when fully open, but in the structure of the flowers and in the other characters I can find no difference.

Meliosma Oldhami Maximowicz in Bull. Acad. Sci. St. Pétersb. XII. 64 (1867); in Mém. Biol. VI. 263 (1868).

Chuchow, Lang yah sze, alt. 300 m., *A. N. Steward*, no. 1083, Herb. Univ. Nanking no. 5449, October 27, 1923 (tree 8 m. tall).

Meliosma sinensis Nakai in Jour. Arnold Arb. v. 80 (1924).

Chu hwa shan, *R. C. Ching*, no. 2783, June 27, 1925 (tree 10 m. tall).

Meliosma Veitchiorum Hemsley in Kew Bull. Misc. Inform. 1906, p. 155.—Bean in Kew Bull. Misc. Inform. 1910, p. 173, t.

Wang shan, alt. 1200 m., *R. C. Ching*, no. 2986, July 12, 1925 (tree, 15 m. tall, diameter of trunk 35 cm.).

RHAMNACEAE

Determined by ALFRED REHDER

Paliurus orientalis Hemsley in Kew Bull. Misc. Inform. 1894, p. 387.

Chuchow, Lang yah sze, *A. N. Steward*, Herb. Univ. Nanking no. 2310, June 14, 1922; Li shan, Chemen, alt. 250 m., *R. C. Ching*, no. 3123, August 5, 1925.

Paliurus hirsutus Hemsley in Kew Bull. Misc. Inform. 1894, p. 388.

Eighty li north of Chu hwa shan, *R. C. Ching*, no. 2721, May 3, 1925 (shrub with smooth gray bark); 30 li south of Tatung, alt. 100 m., *R. C. Ching*, no. 2744, June 25, 1925 (climbing shrub 20 m. high); Wu yuan, alt. 125 m., *R. C. Ching*, no. 3267, August 21, 1925 (bushy shrub 10 m. high).

The mature fruit not known to Hemsley is cup-shaped, 12–14 m. across with narrow apparently at first upright, later spreading thickish wing 2–3 mm. broad. The leaves are occasionally up to 11 cm. long and the pubescence on the veins beneath is rather sparse and scarcely fulvous. I have not seen the type, but another specimen from Kwangtung (Wulsin Exped. no. 12775) which shows a similar pubescence.

Zizyphus jujuba Mill. var. *inermis* Rehder in Jour. Arnold Arb. III. 220 (1922).

Zizyphus vulgaris var. *inermis* Bunge in Mém. Sav. Étr. Acad. Sci. St. Pétersb. II. 88 (Enum. Pl. Chin. Bor. 14) (1833).

Zizyphus sativa var. *inermis* Schneider, Ill. Handb. Laubholzk. II. 261 (1909); Nakai, Fl. Sylv. Kor. IX. 15, t. 3 (1920).

South Siunin, alt. 125 m., *R. C. Ching*, no. 3319, September 7, 1925 (tree 13 m. tall).

Berchemia Giraldiana Schneider, Ill. Handb. Laubholzk. II. 263, fig. 102 m-n, 183 k (1909).

Wu yuan, alt. 550 m., *R. C. Ching*, no. 3304, September 2, 1925 (bushy climber, 3 m. high).

Berchemia Huana Rehder, sp. nov.

Frutex ad 10 m. alte scandens, ramulis ramisque glabris laevibus, demum longitudinaliter leviter fissis viridi-brunneis lucidulis. Folia ovato-ovalia, 5–8 cm. longa, apice rotundata vel rarius obtusiuscula, basi rotundata vel subcordata, supra glabra, viridia, subtus pallidiora, in facie et ad venas venulasque satis dense breviter villosa, costa glabrescente, nervis utrinque 10–12 supra ut costa leviter impressis subtus elevatis; petioli 1.5–2 cm. longi, graciles, glabri. Panicula terminalis, glabra, valde ramosa, 12–18 cm. longa, ramis inferioribus paniculatis ad 10 cm. longis, floribus breviter pedicellatis glomerulatis; pedicelli circiter 1.5 mm. longi; alabrastra globoso-ovoidea, breviter apiculata (flores aperti non visi). Fructus oblongi, 7 mm. longi, purpureo-rubri (fide *R. C. Ching*, sed ut videtur nondum perfecte maturi).

Chu hwa shan, *R. C. Ching*, no. 2785, June 27, 1925 (fruiting; type).

CHEKIANG: Tien moo shan, *R. C. Ching*, no. 4999, August 19, 1924.

This new species seems most closely related to *B. floribunda* Brongn. from which it is easily distinguished by its obtuse leaves pubescent beneath. On the Chekiang specimen the under side of the leaves is not quite as densely pubescent as in the type specimen and the apex is obtusish rather than rounded.

I take pleasure in naming this handsome and distinct species in honor of Professor H. H. Hu of the National Southeastern University at Nanking.

Rhamnella obovalis Schneider in Sargent, Pl. Wilson. II. 223 (1914).

Chuchow, without name of collector, Herb. Univ. Nanking no. 1097, June 27, 1920; Wang shan, *R. C. Ching*, no. 2928, July 5, 1925 (shrub).

The specimen from Chuchow has unusually large leaves up to 11.5 cm. long and 5 cm. broad, but otherwise agrees with the type.

Sageretia theezans Brongniart in Ann. Sci. Nat. x. 360 (Mém. Fam. Rhamn. 53) (1826).—Nakai, Fl. Sylv. Kor. IX. 35, t. 15a (1920).

Chu hwa shan, *R. C. Ching*, no. 2716, Herb. Univ. Nanking no. 7553, May 3, 1925 (climber, 13 m. high).

Rhamnus crenatus Siebold & Zuccarini in Abh. Akad. Münch. IV pt. II. 146 (Fl. Jap. Fam. Nat. I. 38) (1845).

Frangula crenata Miquel in Ann. Mus. Bot. Lugd.-Bat. III. 32 (1867); Prol. Fl. Jap. 220 (1867).—Nakai, Fl. Sylv. Kor. IX. 33, t. 14 (1920).

Wang shan, alt. 100 m., *N. K. Ip*, Herb. Univ. Nanking no. 5121, August 28, 1923 (tree 8–10 m. tall); same locality, alt. 1350, 2050 m., *K. Ling*, nos. 1202, 1207, Herb. Univ. Nanking nos. 9612, 7768, August 12, 1924; same locality, alt. 600 m., *N. K. Ip*, no. 34, Herb. Univ. Nanking no. 7660, August 14, 1924 (tree 5 m. tall); Lui chu wan, on the way to Chu hwa shan, alt. 200 m., *R. C. Ching*, no. 2745, June 25, 1925 (shrub 2.5 m. tall); Li shan, Chemen, alt. 1130 m., *R. C. Ching*, no. 3115, August 5, 1925 (shrub 3 m. tall).

Rhamnus globosus Bunge in Mém. Sav. Étr. Acad. Sci. St. Pétersb. II. 88 (Enum. Pl. Chin. Bor. 14) (1833).—Schneider, Ill. Handb. Laubholz. II. 284, fig. 195 f–f³, 1969 p–s (1909).

Chu hwa shan, *R. C. Ching*, no. 2693, Herb. Univ. Nanking no. 7621, May 2, 1925 (shrub 2 m. tall).

Rhamnus utilis Decaisne in Compt. Rend. Acad. Sci. Paris, XLIV. 1141 (1857).—Rondot, Vert de Chine, 141, t. 1 (1857).

Wu yuan, *K. Ling*, no. 1340, Herb. Univ. Nanking 7875, August 25, 1924; Low tien, 30 li from Chu hwa shan, *R. C. Ching*, no. 2662, Herb. Univ. Nanking no. 7590, May 2, 1925 (bushy shrub 4 m. tall); south Siunin, alt. 125 m., *R. C. Ching*, no. 3318, September 7, 1925.

Rhamnus Wilsonii Schneid. var. *pilosa* Rehder, var. nov.

A typo recedit foliis subtus ad costam et venas satis dense in facie laxius pilosis vel in facie fere glabris, petiolis pilosulis 1–2 mm. longis, ramulis junioribus sparse pilosulis vel fere glabris vel glabris.

Wang si che, south Chu hwa shan, alt. 600 m., *R. C. Ching*, no. 2841, June 29, 1925 (shrub 2 m. tall, rare), type; Wang shan, alt. 550 m., *R. C. Ching*, no. 2913, July 5, 1925 (sparingly branched shrub 1.5 m. tall; rare).

Except in the pubescence the two specimens cited which bear immature fruits differ little from the type of *R. Wilsonii*; the leaves are somewhat broader the larger one up to 5 cm. broad, at least in no. 2841 which also is more pubescent, while in no. 2913 the leaves are nearly glabrous between the veins and the branchlets glabrous or nearly so. The serration of the leaves is somewhat closer and finer than in the type of *R. Wilsonii*. In both specimens some of the branchlets are spinescent.

Hovenia dulcis Thunberg, Fl. Jap. 101 (1784).—Sims in Bot. Mag. L. t. 2360 (1823).—Siebold & Zuccarini, Fl. Jap. I. 135, t. 73, 74 (1840).

Wang shan, alt. 1280 m., *N. K. Ip*, Herb. Univ. Nanking no. 5139, August 28, 1923 (tree 20 m. tall); Chu hwa shan, alt. 600 m., *R. C. Ching*, no. 2802, June 28, 1925 (tree 20 m. tall); south of Kwei chow, *R. C. Ching*, no. 3338, September 10, 1925 (tree 10 m. tall).

VITACEAE

Determined by ALFRED REHDER

Vitis flexuosa Thunberg in Trans. Linn. Soc. XI. 103 (1793).—Planchon in De Candolle, Monog. Phaner. v. 347 (1887).

Chu hwa shan, alt. 600 m., *R. C. Ching*, nos. 2798 and 2803, June 28, 1925 (trailing or climbing vine 7–10 m. long); Chemen, alt. 200 m., *R. C. Ching*, no. 3131, August 5, 1925 (climbing on Pine to 12 m. high).

Ching's no. 2798 differs from typical *V. flexuosa* in the larger 3-lobed leaves, less lustrous above and less distinctly veined, and cordate at base with a wide rounded sinus; it may not belong here, though I cannot identify it with any other Chinese species.

Vitis reticulata Pampanini in Nuov. Giorn. Bot. Ital. N. ser. xvii. 429, fig. 13 (1910).—Gagnepain in Lecomte, Not. Syst. ii. 12 (1911).

Wang shan, alt. 700 m., *R. C. Ching*, no. 2968, July 12, 1925 (tall strong climber, 20 m. high).

Vitis fagifolia Hu in Jour. Arnold Arb. vi. 142 (1925).

Chu hwa shan, road-side or bank of stream, *R. C. Ching*, no. 2671, Herb. Univ. Nanking no. 7599, May 2, 1925 (vine to 5 m. long; flowers sweet-scented).

Parthenocissus laetevirens Rehder in Mitt. Deutsch. Dendr. Ges. xxi. 119 (1912).

Wang shan, alt. 300 m., *R. C. Ching*, no. 2897, July 5, 1925 (climber, 20 m. high).

Parthenocissus tricuspidata Planchon in De Candolle Monog. Phaner. v. 452 (1887).—Sprague in Bot. Mag. cxxxv. t. 8287 (1909).

Ampelopsis tricuspidata Siebold & Zuccarini in Abh. Akad. Münch. iv. pt. ii. 196 (1845).

Wu yuan, alt. 425 m., *N. K. Ip*, no. 74, Herb. Univ. Nanking no. 7690, August 22, 1920; south of Tiger ridge, Yeh hsien, alt. 150 m., *R. C. Ching* no. 3085, July 27, 1925 (climbing on trees, 15 m. high).

Parthenocissus heterophylla Merrill in Philip. Jour. Sci. xiii. Bot. 146 (1918).

Ampelopsis heterophylla Blume, Bijdr. Fl. Ned. Ind. 194 (1825).

Parthenocissus Landuk Gagnepain in Sargent, Pl. Wilson. i. 102, (1911).

Wang shan, alt. 500 m., *R. C. Ching*, no. 2921, July 5, 1925 (climbing on trees, 12 m. high).

Parthenocissus Thomsoni Planchon in De Candolle, Monog. Phaner. v. 453 (1887).

Vitis Thomsoni Lawson in Hooker f., Fl. Brit. Ind. i. 657 (1875).—Veitch in Jour. Roy. Hort. Soc. xxviii. 396, fig. 100 (1904).

Su hsien, alt. 300 m., *R. C. Ching*, no. 3094, July 27, 1925 (climber 7 m. high).

Ampelopsis brevipedunculata Koehne var. *Hancei* Rehder in Jour. Arnold Arb. ii. 177 (1921).

Ampelopsis heterophylla var. ♂ *Hancei* Planchon in De Candolle, Monog. Phaner. v. 457 (1887).

Chu hwa shan, alt. 150 m., *R. C. Ching*, no. 2740, June 25, 1925 (vine 4 m. high); Wang shan, alt. 300 m., *R. C. Ching*, no. 2927, July 5, 1925 (trailing vine 2 m. long).

The two specimens cited above agree in size, texture, shape and in the

very coarse crenate serration with typical var. *Hancei*, but differ in being pubescent; both numbers have the branchlets, petioles and pedicels pilose, the under side of the leaves is scabrid-pilose on the veins and stronger veinlets and the upper side nearly glabrous, while in no. 2927 the under side is pilose all over and the upper side is rough from short accumbent stiff hairs.

Ampelopsis brevipedunculata var. *kulingensis* Rehder in Bailey, Gent. Herb. I. 36 (1920).

Heh hsien, *K. Ling*, no. 1261, Herb. Univ. Nanking no. 7805 (climbing on *Loropetalum*).

I refer this specimen with some doubt to var. *kulingensis*, as it is very imperfect, only the basal part of the leaves being present, the upper part apparently having been eaten by some insect.

Ampelopsis Delaveyana Planchon in De Candolle, Monog. Phaner. v. 458 (1887).

Li kan, west Chemen, alt. 110 m., *R. C. Ching*, no. 3163, August 7, 1927 (climber 13 m. high); Erh sun tien, Chu hwa shan, alt. 350 m., *R. C. Ching*, no. 4023, Herb. Univ. Nanking no. 8423, June 26, 1925 (vine 3 m. high).

Ampelopsis megalophylla Diels & Gilg in Bot. Jahrb. xxix. 466 (1900).—Sprague in Bot. Mag. cXL. t. 8537 (1914).

Wang shan, alt. 450 m., *R. C. Ching*, no. 2898, July 5, 1925 (strong climber 15 m. high); south Siunin, alt. 125 m., *R. C. Ching*, no. 3327, September 7, 1925 (strong climber 13 m. high).

Columella japonica Merrill in Philip. Jour. Sci. xiii. Bot. 145 (1918).

Vitis japonica Thunberg, Fl. Jap. 104 (1784).

Cayratia japonica Gagnepain in Lecomte, Not. Syst. I. 349 (1911).

Li shan, northwest Chemen, alt. 250 m., *R. C. Ching*, no. 4378, Herb. Univ. Nanking no. 8760, August 4, 1925 (vine, 3 m. high).

ELAEOCARPACEAE

Determined by ALFRED REHDER

Elaeocarpus chinensis Hooker f. in Bentham, Fl. Hongk. 43 (1851).

Wu yuan, alt. 125 m., *R. C. Ching*, no. 3277, August 24, 1925 (tree 13 m. tall, with gray smooth bark).

TILIACEAE

Determined by ALFRED REHDER

Tilia japonica Simonkai in Math. Termész. Közlem. Magyar Tudom. Akad. xxii. 326 (1888).

Tilia cordata var. *japonica* Miquel in Ann. Mus. Bot. Lugd.-Bat. iii. 18 (1867); Prol. Fl. Jap. 207 (1867).—Shirasawa, Icon. Ess. For. Jap. I. 115, t. 72, fig. 1-10 (1900).

Wang shan, *K. Ling*, no. 1210, Herb. Univ. Nanking no. 7771, August 12, 1924 (tree 6 m. tall); same locality, alt. 1200-1350 m., *R. C. Ching*,

nos. 2988, 3052, July 13 and 19, 1925 (tree 10–14 m. tall, with gray rough bark); south side of Wang shan, alt. 1150 m., *R. C. Ching*, no. 3068, July 20, 1925 (tree 14 m. tall); Chang gon shan, alt. 700 m., *R. C. Ching*, no. 3232, August 16, 1925 (tree 20 m. tall, with rough gray bark).

There seems to be no marked difference between the specimen cited above and specimens of *T. japonica* from Japan, except that the leaves are of firmer texture and thus resemble those of *T. insularis* Nakai which is perhaps only a variety of *T. japonica*. *Tilia japonica* has not yet been recorded from China.

Tilia Henryana Szyszyłowicz in Hooker's Icon. xx. t. 1927 (1890).

West Chemen, alt. 200 m., *R. C. Ching*, no. 3179, August 8, 1925 (tree 20 m. tall).

Tilia tuan Szyszyłowicz var. ***breviradiata*** Rehder, var. nov.

A typo praecipue recedit indumento faciei inferiorioris foliorum e pilis stellatis breviradiatis distinctis vel fere distinctis non implexis composito. —Arbor ramulis glabris et petiolis fere glabris; folia late ovata, 10–12 cm. longa et 7.5–9 cm. lata, breviter acuminata, basi leviter obliqua, subtruncata, remote dentata dentibus latissimis mucronulatis vix ad 2 mm. longis vel partim fere ad mucronem reductis subtus cinereo-tomentulosus. Fructus subglobus, 8–9 mm. longus, verrucosus.

Ma cha, alt. 600 m., *R. C. Ching*, no. 3209, August 15, 1925 (tree 12 m. tall, with gray rough bark).

This variety which has comparatively large and broad leaves differs from the type chiefly in its tomentum which consists of distinct stellate short-rayed hairs, each hair even under an ordinary lens is seen as a distinct dot not matted or felted as in the type; the color of the under side of the leaf therefore is grayish green not white or whitish. Shoot-leaves of the typical species sometimes have a grayish green under side and scattered hairs, but the rays of these hairs are elongated and more or less twisted not short and straight or nearly straight.

Tilia oblongifolia Rehder, sp. nov.

Arbor 20-metralis cortice albido laevi (fide coll.), glabra; ramuli glabri, annotini flavo-brunnei lenticellati, vetustiores flavido-cinerei; gemmae glabrae. Folia oblonga, 7–11 cm. longa et 3–4.5 cm. lata, acuminata, basi valde oblique subtruncata i. e. latere altero late cuneata, altero semicordata, integra vel raro apicem versus denticulis 1 vel 2 ad mucronem minutum reductis instructa, supra obscure viridia, in sicco reticulata, subtus pallide viridia, glabra, nervis utrinque circiter 8 ut costa trabeculisque elevatis, sed venulis obsoletis; petioli graciles, circiter 2 cm. longi. Cyma glabra, circiter 3 cm. lata, multiflora, cum pedunculo circiter 10 cm. longo; bractea cymae subaequilonga, subsessilis, basi truncata, lineari-oblonga, 15–18 mm. lata, glabra; pedunculi paullo infra medium bractee inserti, graciles circiter 4 cm. longi; fructus subglobosi, 5–6 mm. longi (valde immaturi), verruculosi.

Foot of Wang shan, alt. 425 m., *R. C. Ching*, no. 3078, July 21, 1925.

This very distinct species seems to have its nearest relation with *T. tuan* Szysz. which it resembles in its fruit, but is readily distinguished by its glabrousness and the oblong entire leaves. In the shape of its leaves it recalls the Japanese *T. kiusiana* Mak., but that species has closely serrulate smaller leaves, short petioles and is pubescent.

***Tilia leptocarya* Rehder, sp. nov.**

Arbor 30-metralis, cortice fusco-cinereo scabro (fide coll.); ramuli glabri, annotini fusco-purpurei vel fusci, vetustiores ut videtur pallidiores. Gemmae subglobosae, glabrae. Folia ovata vel late ovata, 7–13 cm. longa et 4.5–9.5 lata, sensim acuminata, basi obliqua, subcordata, vel latere altero semicordata, altero truncata, integra, interdum leviter undulata, rarius denticulo unico vel rarissime pluribus dentibus remotis brevissimis instructa, supra intense viridia, glabra, subtus glaucescens vel partim pallide viridia, papillosa, barbulis in axillis venarum exceptis glabra vel pilis stellatis pallidis plus minusve dense conspersis et fere ebarbulata, nervis utrinque 5–7 supra leviter subtus magis elevatis; petioli 2–5 cm. longi, graciles, glabri vel apicem versus stellati-pilosi. Cyma glabra vel glabrescens, multiflora, 5–6 cm. lata, cum pedunculo 10–16 cm. longa, folium subaequans; bractea anguste oblonga, pedunculum subaequans, 6–10 cm. longa, 15–23 mm. lata, obtusa, basi valde inaequali late cuneata vel subito contrata, stipite 1–2 cm. longo rarius brevior suffulta, basi pedunculo circiter per 1 cm. longitudinem tantum adnata, glabra, subtus et interdum supra leviter glaucescens; flores breviter pedicellati pedicellis tomentulosis circiter 5 mm. longis; sepala oblongo-ovata, 6–7 mm. longa, crassa, concava, extus dense tomentella, intus dense fulvido-setoso-pilosa; petala anguste oblonga, utrinque attenuata, sepalis triente longiora, 8–9 mm. longa et 3–3.5 mm. lata, ciliata; staminodia petalis paullo breviora, ligulata, 2 mm. lata, ciliata; stamina 45–50, breviter 5-adelphia, longiora petala dimidia et stylum fere aequantia, thecis disjunctis; stylus basi stellato-pilosus, stigmatibus 5-partito; ovarium globosum, dense albido-tomentellum. Fructus globosus vel depressoglobosus, 6–7 mm. diam., apice rotundatus vix apiculatus, 5-striatus, brunneus, pilis stellatis parvis detergibilibus plus minusve dense conspersus, tactu glabrescens, pericarpio tenui papyraceo.

ANHWEI: Chemen, alt. 250 m., *R. C. Ching*, no. 3177, August 8, 1925 (tree, 20 m. tall, with dark gray rough bark; type).

SOUTHERN CHEKIANG: without precise locality, alt. 1000 m., *R. C. Ching*, no. 2563, September 2, 1924 (tree 12 m. tall).

This is a very distinct species characterized by its entire or nearly entire leaves glaucescent beneath and glabrous or only thinly covered with small stellate hairs, by the large stipitate bracts adnate only at the base to the peduncle and the globose fruit with thin papery walls which suffer the fruit being more or less flattened and split in pressing; the fruit has only a thin covering of minute stellate hairs which is easily

rubbed off exposing the lustrous brown skin of the fruit. It does not seem to be closely related to any other known Chinese species, but the two following new species from Chekiang belong apparently in the same affinity.

***Tilia leptocarya* var. *triloba* Rehder, var. nov.**

A typo praecipue differt foliis supra vel circa medium lobis parvis duobus acutis vel obtusiusculis interdum ad 1.5 cm. longis praeditis.—Folia subtus manifeste glauca, glabra vel basin versus vestigiis tomenti floccoso-stellati notata, ebarbulata; bractae paullo latiores, stipite ad 3 cm. longa suffultae et basi rotundatae.

Kien te, *N. K. Ip*, Herb. Univ. Nanking, no. 6331, August 18, 1923 (type); Fang chuen, east slope behind temple, alt. 250 m., *N. K. Ip*, Herb. Univ. Nanking no. 5122, without date [1923?].

This variety differs from the type chiefly in the leaves being furnished with a lateral tooth or short lobe on each side and having their under side more distinctly glaucous with remnants of a floccose-stellate pubescence near the base. The immature fruit agrees exactly with that of the type.

In addition to the species described above descriptions of two other new species from Chekiang which show some relation to the preceding species may be appended here.

***Tilia hypoglauca* Rehder, spec. nov.**

Arbor 20-metralis, ramuli initio tomento floccoso stellato obtecti, mox glabrescentes, annotini fusco-purpurei. Folia ovata vel triangulari-ovata, 6.5–9 cm. longa et 4–5.5 lata, acuminata, basi valde obliqua, latere altero profunde cordata, altero truncata vel subcordata, vel inferiora et minora profunde cordata et vix obliqua, sinuato-dentata utrinque dentibus 5–9 triangularibus circiter 2 mm. longis acutis et mucronulatis, supra intense viridia, subtus intense glauca, papillosa, vestigiis tomenti stellati floccosi ad basin exceptis glabra, nervis utrinque 4–6 supra leviter subtus magis elevatis; petioli graciles 2.5–3.5 cm. longi, glabri. Cyma juvenilis alabastris tantum praedita, multiflora, glabra vel sparsissime ad pedicellos densius stellato-pilosa, circiter 2.5 cm. lata, cum pedunculo 8–10 cm. longa; bractea anguste oblonga 6 cm. longa et 1.5 cm. lata, obtusa, glabra, glaucescens, obtusa, basi obliqua et late cuneata vel subtruncata, stipitata stipite circiter 1 cm. longo, pedunculo basi tantum per 0.5–1 cm. longitudinem adnata.

CHEKIANG: 20 li south of Siachu, alt. 950 m., *R. C. Ching*, no. 1813, June 4, 1924 (tree 20 m. tall, with dark gray rough bark).

This new species seems to be related to *T. leptocarya* and is rather similar in the color and pubescence of its leaves and in the characters of its inflorescence to its var. *triloba*, but is easily distinguished from it by the regular sinuate serration of the leaves. In the shape and serration of the leaves it resembles *T. endochrysea* Hand.-Mazz. from Hunan, but that species differs in the dense tomentum of the under side of the leaves, while its flower is very similar to that of *T. leptocarya*.

***Tilia lepidota* Rehder, sp. nov.**

Arbor 20-metralis, cortice cinereo laevi (fide coll.); ramuli glabri, annotini fusco-vel flavido-purpurei; gemmae subglobosae, glabrae. Folia triangulari-ovato-oblonga, 7.5–12.5 longa et 3.5–6 lata, sensim acuminata, basi valde obliqua, latere altero profunde semicordata, altero truncata vel subcordata, integra vel rarissime denticulis 1–2 instructa, supra opace viridia, glabra, subtus glaucescentia, papillosa, et pilis stellatis brevibratis lepidiformibus fulvis lucidulis satis dense conspersa, nervis utrinsecus 5–7 supra leviter subtus magis elevatis; petioli glabri, graciles, 2–3 cm. longi. Cyma glabra, ut videtur multiflora (fructibus paucis immaturis), glabra, cum pedunculo gracili 7–10 cm. longa, bractea anguste oblonga 6–8 cm. et 1.5–2 cm. lata, obtusa, basi cuneata et breviter vel brevissime stipitata, supra

glabra, subtus glaucescens vel pallida, et sparse stellato-pilosa, pedunculo basi tantum per 1-1.5 cm. longitudinem adnata. Fructus immaturus, subglobosus, fuscus, laevis, pilis stellatis minutis conspersa, pericarpio tenui.

SOUTHERN CHEKIANG: without precise locality, alt. 1000 m., *R. C. Ching*, no. 2385, August 10, 1924 (tree 20 m. tall; trunk 55 cm. diam., with gray smooth bark).

This tree is apparently related to *T. leptocarya* Rehd. but it is easily distinguished by the narrower leaves of firmer texture and on the under side thinly covered with scale-like fulvous and glistening stellate hairs which have short rays and leave the glaucous epidermis discernable between them; in *T. leptocarya* the stellate hairs, if present, are whitish and have longer rays and seem more easily detachable.

The three preceding species, *T. leptocarya*, *T. hypoglauca* and *T. lepidota* together with *T. endochrysea* Handel-Mazzetti seem to form a well defined and distinct section or subsection characterized by thinly stellate-pilose fruits with papery pericarp, large bracts adnate to the peduncle only at the base, rather large flowers with upright thick concave sepals inside densely covered with long stiff setose fulvous hairs (examined in *T. endochrysea* and *T. leptocarya*) and by entire or occasionally sparingly denticulate to remotely sinuate-dentate leaves of chartaceous or subcoriaceous texture.

***Grewia biloba* G. Don, Gen. Syst. i. 549 (1831).—Burret in Notizbl. Bot. Gart. Mus. Berlin, ix. 708 (1926).**

Grewia parviflora Bunge in Mém. Div. Sav. Acad. Sci. St. Pétersb. ii. 83 (Enum. Pl. Chin. Bor. 9) (1833).—Nakai, Fl. Sylv. Kor. xii. 54, t. 16 (1922).

Wang shan, alt. 650, *N. K. Ip*, no. 25, Herb. Univ. Nanking no. 7653, August 14, 1924 (tree 5 m. tall); Chu hwa shan, *R. C. Ching*, no. 2776, June 27, 1925 (bushy shrub 2 m. tall).

The two specimens cited above differ markedly in the shape of the leaves; Ching's specimen has ovate-elliptic leaves about 5.5 cm. broad, while Ip's specimen has oblong-lanceolate leaves about 10 cm. long and 3 cm. wide, but they are doubtless conspecific.

***Grewia biloba* var. *glabrescens* Rehder, comb. nov.**

Grewia glabrescens Benthām, Fl. Hongk. 42 (1861).

Grewia parviflora var. *glabrescens* Rehder & Wilson in Sargent, Pl. Wilson. ii. 371 (1915).

Wu yuan, alt. 150 m., *R. C. Ching*, no. 3274, August 22, 1925 (shrub 5 m. tall).

Burret (l. c.) doubts whether *G. glabrescens* should be referred to *G. biloba*, since Benthām says in the description "flowers few," but Ford's specimen from Hongkong of *G. glabrescens* has 5-9 flowered cymes and resembles in shape and size of the leaves very much the specimen cited above, which has oblong or oblong-lanceolate leaves narrowed at the ends, while nearly all specimens from central and northern China have ovate to elliptic leaves.

MALVACEAE

Determined by ALFRED REHDER

***Urena lobata* L. var. *tomentosa*, Walpers in Nov. Act. Acad. Leop.-Carol. xix. suppl. i. 304 (1843).—Hochreutiner in Ann. Conserv. Jard. Bot. Genève, v. 139 (1901).**

Urena lobata var. *scabriuscula* A. Gray, Bot. Phaner. i. 169 (in Wilkes, U. S. Explor. Exped. xv) (1854).—Vix *U. scabriuscula* DC.

Li shan, northwest Chemen, alt. 150 m., *R. C. Ching*, no. 4344, Herb. Univ. Nanking no. 8726, August 3, 1925 (herb, 60 cm. tall).

Hibiscus mutabilis Linnaeus, Sp. 694 (1753).—Ker in Bot. Reg. vii. t. 589 (1821).

Wu yuan, *K. Ling*, no. 1322, Herb. Univ. Nanking no. 7860, August 24, 1924.

Hibiscus syriacus Linnaeus, Sp. 695 (1753).—Curtis in Bot. Mag. iii. t. 83 (1790).

Tien chan, Herb. Univ. Nanking no. 962, August 16, 1915; Wu yuan, alt. 425 m., *N. K. Ip*, no. 67, Herb. Univ. Nanking no. 7685, August 20, 1924; Yeh hsien, alt. 150 m., *R. C. Ching*, no. 3081, July 27, 1925 (shrub 5 m. tall; flowers purplish); Tiger ridge, Yeh hsien, alt. 250 m., *R. C. Ching*, no. 3084, July 27, 1925 (shrub 3 m. tall, flowers white); Li shan, Chemen, open hillside, rare, alt. 500 m., *R. C. Ching*, no. 3118, August 5, 1925 (tall shrub; flowers white, double).

STERCULIACEAE

Determined by ALFRED REHDER

Firmiana simplex W. F. Wight in Bull. U. S. Dept. Agric. Bur. Pl. Indust. cxlii. 67 (1909).

Sterculia platanifolia Linnaeus f., Suppl. 423 (1781).—Shirasawa, Icon. Ess. For. Jap. ii. t. 51, fig. 10-34 (1908).

West Chemen, in open garden, alt. 100 m., *R. C. Ching*, no. 3187, August 9, 1925 (tree 10 m. tall).

DILLENIACEAE

Determined by ALFRED REHDER

Actinidia arguta Miquel in Ann. Mus. Bot. Lugd.-Bat. iii. 15 (1867).

Actinidia polygama Hooker f. in Bot. Mag. lii. t. 7497 (1896).—Non Maximowicz.

Wang shan, alt. 1400 m., *R. C. Ching*, no. 3046, July 17, 1925 (climber, 12 m. high); Wu yuan, alt. 900 m., *R. C. Ching*, no. 3254, August 17, 1925 (strong climber 10 m. high).

Actinidia polygama Maximowicz in Mém. Div. Sav. Acad. Sci. St. Pétersb. ix. 64 (Prim. Fl. Amur.) (1859).—Ito & Kaku, Fig. Descript. Pl. Koishik. Bot. Gard. ii. t. 20 (1883).

Chang suin, alt. 700 m., *A. N. Steward*, no. 1356, Herb. Univ. Nanking no. 7226, August 14, 1924 (shrub 3 m. tall); T'an k'ou, Wang shan, *K. Ling*, no. 1249, Herb. Univ. Nanking no. 7797, August 14, 1924; foot of Wang shan, alt. 300 m., *R. C. Ching*, no. 3054, July 20, 1925 (dense climber 12 m. high).

Actinidia chinensis Planchon in Lond. Jour. Bot. vi. 303 (1847).—Sprague in Bot. Mag. cxl. t. 8538 (1914).

Chu hwa shan, *R. C. Ching*, nos. 2639, 2678, Herb. Univ. Nanking nos. 7567, 7606, May 1 and 2, 1925 (strong climber 15-20 m. high); Wang shan, alt. 550 m., *R. C. Ching*, no. 2910, July 5, 1925 (strong climber 12 m. high).

Actinidia spec.

Wu yuan, alt. 125 m., *R. C. Ching*, no. 3269, August 21, 1925 (strong climber, 12 m. high); south Siunin, alt. 125 m., *R. C. Ching*, no. 3321, September 7, 1925 (strong twining climber 12 m. high).

The two specimens cited above which are in fruit belong to the group *Maculatae* Dunn and seem most closely related to *A. coriacea* Dunn known only from Szechuan and northern Yunnan, but they differ in their less thickish leaves with impressed midrib and channeled petiole, in the unbranched peduncle and in the light yellowish gray branchlets. From *A. callosa* Lindl. which has lamellate pith they differ in the solid pith of the branches and the subcoriaceous leaves and from *A. rubricaulis* Dunn in the pale branchlets and the ovary which is pubescent according to Ching's no. 2487 from Chekiang with young fruit and apparently identical with nos. 3269 and 3321 from Anhwei. I have little doubt that these specimens represent a new species, but without having seen the flowers I hesitate to propose it as such.

THEACEAE

Determined by ALFRED REHDER

Thea oleosa Loureiro, Fl. Coch. 339 (1790).

Camellia drupifera Loureiro, l. c. 441 (1790).

Camellia oleifera Abel, Narr. Jour. China, 363, t. 174 (1818).—Lindley in Bot. Reg. xi. t. 942 (1825).

Wang shan, *N. K. Ip*, Herb. Univ. Nanking no. 5118, August 28, 1923; Kimen hsien, alt. 500 m., *K. Ling*, no. 1267, Herb. Univ. Nanking no. 7811, August 18, 1924 (shrub 3 m. tall); Li shan, northwest Chemen, alt. 850 m., *R. C. Ching*, no. 3142, August 6, 1925 (bushy shrub 5 m. tall); Li kan, west Chemen, alt. 110 m., *R. C. Ching*, no. 3161, August 7, 1925 (tree 10 m. tall, with smooth chalky white bark).

Thea fraterna Kuntze, Rev. Gen. Pl. i. 65 (1891).—Rehder & Wilson in Sargent, Pl. Wilson. ii. 390 (1915).

Camellia fraterna Hance in Ann. Sci. Nat. sér. 4, xviii. 218 (1862).

Kau toun, Tai ping hsien, alt. 150 m., *R. C. Ching*, no. 2885, July 3, 1925 (erect shrub 5 m. tall; with young fruit).

Thea cuspidata Kochs in Bot. Jahrb. xxvii. 586 (1900).

Camellia cuspidata Veitch in Gard. Chron. ser. 3, li. 262, fig. 123 (1912); in Jour. Hort. Soc. London, xxxviii. p. lxii, fig. 38 (1912).

Chu hwa shan, alt. 900 m., *A. N. Steward*, no. 1185, Herb. Univ. Nanking no. 5302, April 25, 1924 (shrub 1 m. tall; flowers white); Wang shan, about Tiao chiao, alt. 1100 m., *A. N. Steward*, no. 1260, Herb. Univ. Nanking no. 5499, August 9, 1924 (shrub 2 m. tall); Yeh hsien, alt. 300 m., *R. C. Ching*, no. 3089, July 27, 1925 (bushy shrub 5 m. tall).

Thea microphylla Merrill in Jour. Arnold Arb. viii. 9 (1927).

Wu yuan, *N. K. Ip*, Herb. Univ. Nanking no. 7686, August, 1924 (ex Merrill); Shu ling hsien, *K. Ling*, no. 1289, Herb. Univ. Nanking no. 7830,

August 19, 1924; Ma chi, Siunin, alt. 300 m., *R. C. Ching*, no. 3214, August 14, 1925 (dense bushy shrub, 2 m. tall).

To this species may be referable a sterile specimen collected by Ching at Li shan, northwest Chemen (no. 3108, alt. 175 m., August 3, 1925) and described as a bushy shrub 1.60 m. tall; it differs, however, in its larger distinctly obovate or obovate-oblong, 2.5–3.15 cm. long leaves. I consider, however, Ching's no. 2160 from Chekiang referred doubtfully by Merrill to *T. microphylla* a very distinct species of which I append a description.

***Thea trichoclada* Rehder, sp. nov.**

Frutex 1-metralis; ramuli graciles juniores dense pilis patentibus pallidis ad 2 mm. longis ad tertium annum persistentibus obsiti; gemmae parvae glabrae. Folia disticha, ovato-elliptica ad ovato-oblonga, 1.5–2 cm. (in specimine typico, in altero ad 3 cm. longa) apice obtusiuscula, basi rotundata interdum ea in apice ramulorum late cuneata, toto margine ima basi excepta dense et minute crenato-serrata, supra laete viridia, costa media vix vel leviter elevata breviter pilosa excepta glabra, subtus pallidiora, glabra, ad costam mediam non vel vix elevatam pustulata, nervis utrinsecus 5–6 supra vix vel levissime elevatis subtus obsoletis; petioli pilosi, vix 1 mm. longi. Fructus brevissime pedunculatus; calyx circiter 5 mm. diam., persistens, sepalis 5 rotundatis latioribus quam longis ut bracteeae pedunculi glabra, minute ciliolata; capsula glabra, leviter verruculosa, subglobosa, 8–10 mm. diam., monosperma, pericarpio tenui fragili.

CHEKIANG: Tai shun City, under trees on hill slope, *Y. L. Keng*, no. 324, August 10, 1926 (type); northeast of Tai suom, under dense shade, *R. C. Ching*, no. 2160, July 18, 1924 (shrub 1 m. tall).

This very distinct species is similar to *F. microphylla* Merr. but is easily distinguished by the long spreading hairs of the branchlets, the ovate to ovate-oblong leaves broadest below the middle, rounded at base or only toward the apex of the branchlets broad-cuneate, by the persistent sepals and the smaller glabrous fruit.

***Thea sinensis* Linnaeus, Sp. 515 (1753).**

Thea chinensis Sims in Bot. Mag. xxv. t. 998 (1807).

Camellia theifera Griffith, Notul. Pl. As. iv. 558, t. 601, fig. 1, 3, (1854).

Camellia Thea Link, Enum. Hort. Berol. ii. 73 (1822).

Camellia sinensis Kuntze in Act. Hort. Petrop. x. 195 (1887).

Wang shan, alt. 550 m., open moist hillsides, common, *R. C. Ching*, no. 2907, July 5, 1925 (bushy shrub 3 m. tall).

In regarding to the priority of the generic name *Thea*, I may refer to my remarks in an earlier issue of this Journal (v. 238).

Schima superba Gardner & Champion in Hooker's Jour. Bot. & Kew Gard. Misc. i. 246 (1849).—Seemann, Bot. Voy. Herald, 367, t. 75 (1857).

Schima Noronhae Hemsley in Jour. Linn. Soc. xxiii. 80 (1886).—Non Reinwardt.

South Wu Yuan, alt. 125 m., *R. C. Ching*, no. 3281, August 25, 1925 (tree 20 m. tall); Tongmun, *P. Heude*, about 1874 (ex Hemsley, l. c.).

Stewartia sinensis Rehder & Wilson in Sargent, Pl. Wilson. ii. 395 (1915).

Wang shan, *K. Ling*, no. 1198, Herb. Univ. Nanking no. 7761, August 11, 1924 (shrub); same locality, alt. 1100–1350 m., *R. C. Ching*, nos. 3006, 3023, July 13 and 15, 1925 (shrub 12 m. tall).

Ternstroemia gymnanthera Sprague in Jour. Bot. LXI. 18 (1923), see also pp. 52, 83-84.

Ternstroemia japonica Siebold. & Zuccarini, Fl. Jap. i. 148, t. 80 (1841).—Non Thunberg.

Cleyera gymnanthera Wight & Arnott, Prodr. 87 (1834).

Li kan, west Chemen, alt. 100 m., *R. C. Ching*, no. 3160, August 7, 1925 (bushy shrub 2 m. tall).

Ternstroemia nitida Merrill in Jour. Arnold Arb. VIII. 10 (1927).

East Wu yuan, alt. 250 m., *R. C. Ching*, no. 3314, September 4, 1925 (shrub 1.75 m. tall).

Adinandra Millettii Benth. & Hooker apud Hance in Jour. Bot. XVI. 9 (1878).

Cleyera Millettii Hooker & Arnott, Bot. Voy. Beechey, 171, t. 33 (1841).

Kimen, alt. 400 m., *N. K. Ip*, no. 47, and *K. Ling*, no. 1272, Herb. Univ. Nanking nos. 7671 and 7815, August 18 and 19, 1924; Li kan, west Chemen, alt. 100 m., *R. C. Ching*, no. 3153, August 7, 1925 (shrub, 5 m. tall).

Tristylidium ochraceum Merrill in Philip. Jour. Sci. XIII. 148 (1918).

Cleyera ochracea De Candolle in Mém. Soc. Phys. Genève, i. 412 (1822); Prodr. i. 524 (1824).

Eurya ochracea Szyszyłowicz in Engler & Prantl, Nat. Pflanzenfam. III. 6, p. 189 (1893).

Wang shan, *K. Ling*, no. 1139, Herb. Univ. Nanking no. 7723, August 8, 1924; same locality, alt. 650 m., *R. C. Ching*, no. 2899, July 5, 1925 (shrub 6 m. tall); Shu ling hsien, alt. 600 m., *K. Ling*, no. 1292, Herb. Univ. Nanking no. 7833, August 21, 1924 (tree 5 m. tall, trunk 10 cm. diam.); south Chemen, alt. 250 m., *R. C. Ching*, no. 3207, August 13, 1925 (tree 12 m. tall, trunk 25 cm. diam., with gray smooth bark).

Eurya japonica Thunb. var. *nitida* Dyer in Hooker f., Fl. Brit. Ind. I. 284 (1874).—Pierre, Fl. Coch. II. t. 126 (1887).

Wang shan, alt. 1200 m., *N. K. Ip*, Herb. Univ. Nanking nos. 4771 and 5142, August 28, 1923; same locality, *K. Ling*, no. 1140, Herb. Univ. Nanking no. 7724, August 9, 1924 (shrub 2 m. tall); same locality, alt. 550-1450 m., *R. C. Ching*, nos. 2908, 2992 and 3016, July 5, 13 and 15, 1925 (dense shrub 3-8 m. tall); Chu hwa shan, *R. C. Ching*, no. 2694, Herb. Univ. Nanking no. 7622, May 2, 1925 (shrub 1.75 m. tall).

Ching's no. 2992 which has rather small obtusish leaves only 2-3 cm. long approaches by its somewhat coarser serration typical *E. japonica* Thunb.

GUTTIFERAE

Determined by ALFRED REHDER

Hypericum chinense Linnaeus, Syst. Nat. ed. 10. 1184 (1759).—Curtis, Bot. Mag. IX. t. 334 (1795).

Liu yung chun, 60 li south of Ping yung, shaded road-side, *R. C. Ching*, no. 2879, June 30, 1925 (shrub 1 m. tall; cultivated); Li shan, north-west Chemen, alt. 175 m., *R. C. Ching*, no. 3137, August 5, 1925 (shrub 1 m. tall).

FLACOURTIACEAE

Determined by ALFRED REHDER

Xylosma congestum Merrill in Philip. Jour. Sci. xv. 247 (1919).*Xylosma racemosum* Miquel in Ann. Mus. Bot. Lugd.-Bat. II. 155 (1865-66).*Hisingera racemosa* Siebold & Zuccarini, Fl. Jap. I. 169, 189, t. 88, 100, fig. III. 1-14 (1835).

I hsien, *K. Ling*, no. 1265, Herb. Univ. Nanking no. 7809, August 15, 1924; Wu yuan, alt. 175 m., *R. C. Ching*, no. 3266, August 21, 1925 (tree 12 m. tall, trunk 60 cm. diam., with gray bark).

Idesia polycarpa, Maximowicz in Bull. Acad. Sci. St. Pétersb. x. 485 (1866); in Mél. Biol. VI. 19 (1866).—Hooker f. in Bot. Mag. cxi. t. 6794 (1885).—Chun, Chin. Econ. Trees, 254, fig. 88 (1923).

Chemen, alt. 200 m., *R. C. Ching*, no. 3178, August 8, 1925 (tree 20 m. tall, trunk 25 cm. diam., with gray smooth bark).

Idesia polycarpa var. *vestita* Diels in Bot. Jahrb. xxix. 478 (1900).

Wang shan, alt. 1150 m., *R. C. Ching*, no. 2997, July 13, 1925 (tree 12 m. tall, trunk 30 cm. diam. with gray smooth bark).

STACHYURACEAE

Determined by ALFRED REHDER

Stachyurus chinensis Franchet in Jour. de Bot. XII. 254 (1898).

Chu hwa shan, Tien tai shan, *A. N. Steward*, no. 1151, Herb. Univ. Nanking no. 5283, April 25, 1924; Chu hwa shan, *R. C. Ching*, no. 2589, Herb. Univ. Nanking no. 7586, April 28, 1925 (bushy shrub 6 m. tall); Chu hwa shan, Wang si che, alt. 600 m., *R. C. Ching*, no. 2847, June 29, 1925 (shrub 6 m. tall); Wang shan, *K. Ling*, no. 1187, Herb. Univ. Nanking no. 9611, August 11, 1924.

ELAEAGNACEAE

Determined by ALFRED REHDER

Elaeagnus multiflora Thunberg, Fl. Jap. 66 (1784).—Hooker f. in Bot. Mag. cxx. t. 7341 (1894).

Elaeagnus edulis A. Gray in Mem. Am. Acad. Sci. n. ser. VI. 405 (1859).

Chu hwa shan, Tien tai shan, alt. 900 m., *A. N. Steward*, no. 1177, Herb. Univ. Nanking no. 5416, April 25, 1924 (shrub 1-2 m. tall); same locality, alt. 1200 m., *R. C. Ching*, no. 2857, June 29, 1925 (many-stemmed shrub 5 m. tall); Chu hwa shan, *R. C. Ching*, no. 2600, Herb. Univ. Nanking no. 7525, April 28, 1925 (shrub 5 m. tall); 40 li south of Tatung, *R. C. Ching*, no. 2714, Herb. Univ. Nanking no. 7580, May 3, 1925 (shrub 8 m. tall).

Elaeagnus pungens Thunberg, Fl. Jap. 68 (1784).—Schneider, Ill. Handb. Laubholz. II. 413, fig. 281d-g, 282a (1909).

Chuchow, Lang yah sze, alt. 300 m., *A. N. Steward*, no. 1084, Herb. Univ. Nanking no. 5450, October 27, 1923 (shrub 2 m. tall); Chu hwa shan, Tien tai shan, alt. 900 m., *A. N. Steward*, no. 1178, Herb. Univ.

Nanking no. 5297, April 25, 1924 (shrub 2 m. tall); Chu hwa shan, exposed rocky slope, *R. C. Ching*, no. 2610, April 29, 1925 (bushy shrub 4 m. tall).

LYTHRACEAE

Determined by ALFRED REHDER

Lagerstroemia indica Linnaeus, Sp. ed. 2, p. 734 (1764).—Curtis, Bot. Mag. XII. t. 405 (1798).

West Chemen, alt. 100 m., *R. C. Ching*, no. 3186, August 8, 1925 (shrub 2.5 m. tall).

Lagerstroemia subcostata Koehne in Bot. Jahrb. IV. 20 (1883); in Engler, Pflanzenr. IV-216, p. 260 (1903).

South of Chu hwa shan, alt. 125 m., *R. C. Ching*, no. 2891, July 3, 1925 (shrub 6 m. tall); south Chemen, alt. 125 m., *R. C. Ching*, no. 3202, August 13, 1925 (shrub 6 m. tall).

The two specimens cited above represent the typical form (var. α . *hirtella* Koehne, l. c.) of which Koehne cites only specimens from Formosa and the Liukiu Islands. Of the glabrous form (var. β *glabra* Koehne, l. c.) I have before me Hu's no. 1302 from Kiangsi.

NYSSACEAE

Determined by ALFRED REHDER

Nyssa sinensis Oliver in Hooker's, Icon. XX. t. 1964 (1891).—Wangerin in Engler, Pflanzenr. IV.-220a, p. 10 (1910).—Chun, Chin. Econ. Trees, 259, fig. 89 (1923).

Chu hwa shan, *R. C. Ching*, no. 2648, Herb. Univ. Nanking no. 7576, May 1, 1925 (tree 27 m. tall); Wang shan, alt. 675 m., *R. C. Ching*, no. 3031, July 15, 1925 (tree 18 m. tall).

ALANGIACEAE

Determined by ALFRED REHDER

Alangium chinense (Lour.) Rehder in Sargent, Pl. Wilson. II. 552 (1916).

Marlea begoniifolia Roxburgh, Hort. Beng. 28 (1814), nom. nudum; Pl. Corom. III. 80, t. 283 (1819).

Alangium begoniifolium Baillon, Hist. Pl. VI. 270 (1877).—Wangerin in Engler, Pflanzenr. IV.-220b, p. 20, fig. 5 (1910).

North foot of Chu hwa shan, alt. 350 m., *R. C. Ching*, no. 2762, June 26, 1925 (tree 14 m. tall); Chu hwa shan, Tien tai shan, alt. 1175 m., *R. C. Ching*, no. 2827, June 28, 1925 (tree 8 m. tall); Chemen, alt. 300 m., *R. C. Ching*, no. 3121, August 5, 1925 (slender shrub 6 m. tall).

MYRTACEAE

Determined by ALFRED REHDER

Eugenia microphylla Abel, Narr. Jour. China, 181, 364 (1818).

Eugenia sinensis Hemsley in Jour. Linn. Soc. XXIII. 298 (1887).

Wu yuan, *K. Ling*, no. 1348, Herb. Univ. Nanking no. 7881, August 25, 1924 (shrub 2 m. tall); same locality, alt. 680 m., *R. C. Ching*, nos.

3306 and 3311, September 4, 1925 (shrub 5 m. tall); Li shan, northwest Chemen, alt. 250 m., *R. C. Ching*, no. 3106, August 3, 1925 (bushy shrub 4.5 m. tall).

The specimens cited above except Ching's no. 3311 have the small leaves not exceeding 1.5 cm. of typical *E. microphylla*; among the numerous specimens before me referred to this species all transitions between the small-leaved form and Ching's no. 3311 which has leaves up to 3.5 cm. long and 2 cm. broad, the largest of any, except Ching's no. 1981 from Chekiang which has leaves up to 4.5 cm. long, but they are elliptic-lanceolate and not more than 1.5 cm. broad.

ARALIACEAE

Determined by ALFRED REHDER

Gilibertia sinensis Nakai in Jour. Arnold Arb. v. 24, (1924).

Gilibertia japonica Hemsley in Jour. Linn. Soc. xxiii. 342 (1888).—Non Seemann.

Wang shan, alt. 1500 m., *N. K. Ip*, Herb. Univ. Nanking nos. 4781 and 5143, August 28, 1923 (tree 8 m. tall); same locality, alt. 1100 m., *A. N. Steward*, no. 1269, Herb. Univ. Nanking no. 7141, August 9, 1924 (tree 7 m. tall; diam. of trunk 15 cm.); Wu yuan, alt. 650 m. *R. C. Ching*, no. 2937, July 11, 1925; Wu yuan, Chang gon shan, alt. 750 m., *R. C. Ching*, no. 3229, August 16, 1925 (tree 8 m. tall); west Chemen, alt. 550 m., *R. C. Ching*, no. 3181, August 8, 1925.

Hedera nepalensis K. Koch var. **sinensis** Rehder in Jour. Arnold Arb. iv. 250 (1923).

Hedera helix Hance in Jour. Bot. xx. 6 (1882).—Non Linnaeus.

Hedera himalaica var. *sinensis* Tobler, Gatt. Hedera, 79, figs. 39–42 (1912).

Chu hwa shan, Chi yen sze, alt. 900 m., *A. N. Steward*, no. 1143, Herb. Univ. Nanking no. 7405, April 24, 1924 (woody vine; fruit red); Chu hwa shan, *R. C. Ching*, no. 2621, April 29, 1925 (climbing on cliffs or tree trunks; fruit orange-yellow).

Acanthopanax Hondae Matsuda in Tokyo Bot. Mag. xxxi. 333 (1917).—Nakai in Jour. Arnold Arb. v. 3 (1924).

Ching yang hsien, *K. Ling*, no. 1118, Herb. Univ. Nanking no. 7712, August 5, 1924 (young fruits abnormal, affected by a gall insect); Chu hwa shan, *R. C. Ching*, nos. 2650 and 2705, Herb. Univ. Nanking nos. 7578 and 7632, May 1 and 2, 1925 (shrub 3 m. tall); Wang si che, south Chu hwa shan, alt. 550 m., *R. C. Ching*, no. 2864, June 30, 1925.

The specimens enumerated above all represent the spineless form, *f. inerme* Matsuda (l. c.).

Acanthopanax Sieboldianus Makino in Tokyo Bot. Mag. xii. 10 (1898).—Rehder in Jour. Arnold Arb. vii. 243 (1926).

Acanthopanax spinosum Miquel in Ann. Mus. Bot. Lugd.-Bat. i. 10 (1863), quoad descriptionem.—Non *Panax spinosa* L. f. nec *Aralia pentaphylla* Thunb.

Acanthopanax pentaphyllum Marchal in Bull. Soc. Bot. Belg. xx. 79 (1881).—Non *Aralia pentaphylla* Thunb.

Wang shan, alt. 1800 m., *N. K. Ip*, Herb. Univ. Nanking no. 4783, August 28, 1923; same locality, alt. 1900 m., *K. Ling*, no. 1172, Herb. Univ. Nanking no. 7745, August 11, 1924 (shrub 6 m. tall).

This species has apparently not yet been recorded from China, the *Acanthopanax* from China of most authors being *A. Honda* Matsuda, or *A. gracilistylus* W. W. Sm.

Acanthopanax evodiaefolius Franchet in Jour. de Bot. x. 306 (1896).—Harms in Mitt. Deutsch. Dendr. Ges. xxvii. 29, t. 4, fig. a-c (1918).

Wang shan, *K. Ling*, no. 1193, Herb. Univ. Nanking no. 7757, August 11, 1924; Chu hwa shan, Tien tai shan, alt. 1200 m., *R. C. Ching*, no. 2814, June 28, 1925 (tree 7 m. tall); Chang gon shan, west Wu yuan, alt. 725 m., *R. C. Ching*, no. 3218, August 16, 1925 (tree 9 m. tall).

Aralia chinensis Linnaeus, Sp. 273 (1753).—Seemann in Jour. Bot. vi. 133 (1868); Rev. Heder. 19 (1869).—Nakai in Jour. Arnold Arb. v. 31 (1924).

Wang shan, *K. Ling*, no. 1240, Herb. Univ. Nanking no. 9619, August 14, 1924, (shrub 1.5 m. tall).

Aralia chinensis var. *nuda* Nakai in Jour. Arnold Arb. v. 32 (1924).

Aralia chinensis var. *glabrescens* Harms & Rehder in Sargent, Pl. Wilson. ii. 567 (1911).—Non C. Schneider.

Wang si che, south Chu hwa shan, alt. 900 m., *R. C. Ching*, no. 2840, June 29, 1925 (tree 9 m. tall).

CORNACEAE

Determined by ALFRED REHDER

Helwingia japonica F. G. Dietrich, Nachtr. Vollst. Lex. Gärtn. Bot. iii. 660 (1817).—Shirasawa, Icon. Ess. For. Jap. ii. t. 58, fig. 1-9 (1908).

Helwingia rusciflora Willdenow, Sp. iv. 716 (1805).

Wang shan, near Tan lin, alt. 1300 m., *A. N. Steward*, no. 1263, Herb. Univ. Nanking no. 7135, August 9, 1924 (shrub 2 m. tall); Chu hwa shan, *R. C. Ching*, no. 2590 (Herb. Univ. Nanking no. 7515) and no. 2800, April 28, and June 28, 1925 (shrub 1.75 m. tall).

Cornus controversa Hemsley in Bot. Mag. cxxxv. in textu ad t. 8261 (1909).—Wangerin in Engler, Pflanzenr. iv.-229, 49, fig. 14, c-d (1910).

Cornus macrophylla Clarke in Hooker f., Fl. Brit. Ind. ii. 744 (1879), pro parte.—Shirasawa, Icon. Ess. For. Jap. i. 121, t. 77, fig. 17-23 (1900).—Non Wallich.

Chu hwa shan, *R. C. Ching*, no. 2795, June 28, 1925 (tree 18 m. tall); Wang shan, alt. 1200 m., *R. C. Ching*, no. 2987, July 13, 1925 (tree 12 m. tall, trunk 36 cm. diam., with gray rough bark); without precise locality, *R. C. Ching*, no. 2730, in 1925.

Cornus kousa Buerger apud Hance in Jour. Linn. Soc. xiii. 105 (1873).—Bean in Bot. Mag. cxlvi. t. 8833 (1920).

Wang shan, *K. Ling*, no. 1147, Herb. Univ. Nanking no. 7728, August 9, 1924; same locality, alt. 950 m., *R. C. Ching*, no. 3004, July 13, 1925 (tree 8 m. tall); Chu hwa shan, *R. C. Ching*, no. 2646, Herb. Univ.

Nanking no. 7574, May 1, 1925 (tree 7 m. tall); Tien tai shan, Chu hwa shan, *R. C. Ching*, no. 2852, June 29, 1925 (tree 8 m. tall).

The specimens cited above belong to the Chinese form distinguished as var. *chinensis* Osborn (in Gard. Chron. ser. 3, LXXII. 310 (1922).—Bean in Kew Bull. Misc. Inform. 1926, p. 321, t. 8).

CLETHRACEAE

Determined by E. H. WILSON

Clethra Fargesii Franchet in Jour. de Bot. ix. 369 (1895).—Rehder & Wilson in Sargent, Pl. Wilson. i. 502 (1913).

Wu yuan, Chang gon shan, woods, alt. 1250 m., *R. C. Ching*, no. 3237, August 17, 1925 (shrub, 10 m., bark smooth, branches gray; flowers white, fragrant; common); same locality, *K. Ling*, no. 1298, Herb. Univ. Nanking no. 7838, August 21, 1924 (tree 7 m. tall).

ERICACEAE

Determined by E. H. WILSON

Enkianthus chinensis Franchet in Jour. de Bot. ix. 371 (1895).—Rehder & Wilson in Sargent, Pl. Wilson. i. 550 (1913).

Enkianthus himalaicus var. *chinensis* Diels in Bot. Jahrb. xxix. 508 (1900).

Enkianthus Rosthornii Diels in Bot. Jahrb. xxix. 509 (1900).

Wang shan, woods and thickets, alt. 650 to 1500 m., *R. C. Ching*, nos. 2961, 3010 and 3044, July 12, 15 and 17, 1925 (shrub 5 to 6 m. tall; common); same locality, alt. 1600 m., *N. K. Ip*, Herb. Univ. Nanking no. 4776, August 28, 1923; same locality, *K. Ling*, no. 1162, Herb. Univ. Nanking no. 7737, August 9, 1924.

Xolisma ovalifolia var. *elliptica* Rehder in Jour. Arnold Arb. v. 52, (1924).

Andromeda elliptica Siebold & Zuccarini in Abh. Akad. Münch. iv. pt. III. 126 (Fl. Jap. Fam. Nat. II. 2) (1846).

Andromeda ovalifolia Maximowicz in Bull. Acad. Sci. St. Pétersb. xviii. 50 (1872).—Non Wallich.

Pieris ovalifolia Hemsley in Jour. Linn. Soc. xxvi. 17 (1899), pro parte.—Shirasawa, Icon, Ess. For. Jap. II. t. 60 (1908).—Non D. Don.

Lyonia ovalifolia Pampanini in Nuov. Giorn. Bot. Ital. n. ser. xvii. 683 (1910). Non Drude.

Pieris ovalifolia var. *elliptica* Rehder & Wilson in Sargent, Pl. Wilson. i. 552 (1913).

Pieris elliptica Nakai in Tokyo Bot. Mag. xxxiii. 207 (1919).

North foot of Chu hwa shan, alt. 400 m., side of stream, *R. C. Ching*, no. 2764, June 26, 1925 (small tree 6 m.; fairly common); Wang che, thickets, alt. 650 m., *R. C. Ching*, no. 2838, June 29, 1925 (shrub 6 m. tall, common); Wang shan, alt. 1300 m., *N. K. Ip*, Herb. Univ. Nanking no. 5113, August 28, 1923; same locality, alt. 800 m., *A. N. Steward*, no. 1250, Herb. Univ. Nanking no. 5489, August 9, 1924; Wu yuan, *K. Ling*, no. 1315, Herb. Univ. Nanking no. 7853, August 23, 1924.

Pieris japonica D. Don apud G. Don, Gen. Syst. III. 832 (1834).—

Yatabe, Icon. Fl. Jap. i. 105, t. 29, (1892).—Bean, Trees & Shrubs, Brit. Isl. ii. 167, fig. (1914).

Andromeda japonica Thunberg, Fl. Jap. 181 (1784).

Chemen, wood alongside stream, alt. 230 m., *R. C. Ching*, no. 3134, August 5, 1925 (shrub 4 m. tall; rare); Wu yuan, side of stream, *K. Ling*, no. 1312, Herb. Univ. Nanking no. 7850, August 23, 1924 (tree 7 m. tall).

The finding of this common Japanese shrub in Anhwei is very interesting.

Rhododendron Fortunei Lindley in Gard. Chron. 868 (1859).—Hooker f. in Bot. Mag. xcii. t. 5596 (1866).—Wilson in Jour. Arnold Arb. vi. 159 (1925).

Chu hwa shan, Tien tai shan, cliffs, alt. 1260 m., *R. C. Ching*, no. 2813, June 28, 1925 (small tree 8 m. tall; only a few seen); Wu yuan, Chang gon shan, thickets, alt. 800 m., *R. C. Ching*, no. 3242, August 17, 1925 (tree 10 m. tall; common); Wang shan, alt. 1600 m., *K. Ling*, no. 1180, Herb. Univ. Nanking no. 9609, August 11, 1924 (bush 8 m. high).

Rhododendron anhweiense Wilson in Jour. Arnold Arb. vi. 163, (1925).

Wang shan, cliffs, alt. 1600 m., *R. C. Ching*, nos. 2996 and 3014, July 13 and 15, 1925 (bush 3 to 4 m. high, common); same locality, rocky places, alt. 1800 m., *N. K. Ip*, Herb. Univ. Nanking no. 4784, August 28, 1923 (type).

Rhododendron ovatum Planchon in Rev. Hort. 43, (1854).—Millais, Rhodod. 222, fig. facing p. 246 (1917).—Wilson in Jour. Arnold Arb. v. 103, (1924).

Azalea ovata Lindley in Jour. Hort. Soc. Lond. i. 149 (1846).—Hooker in Bot. Mag. lxxxiv. t. 5064 (1858).

Azalea myrtifolia Champion in Bot. Mag. lxxvii. sub t. 4609 (1851).

Chu hwa shan, hillsides, *R. C. Ching*, no. 2686, Herb. Univ. Nanking no. 7614, May 2, 1925 (bush 2.5 m. high); same locality, Wang si che alt. 600 m., *R. C. Ching*, no. 2868, June 30, 1925 (bush 2.5 m. high); Wang shan, *K. Ling*, no. 1235, Herb. Univ. Nanking no. 7789, August 12, 1924; Hsia ken, alt. 300 m., *A. N. Steward*, no. 1100, Herb. Univ. Nanking no. 5230, April 22, 1924, (bush 1 m. high; flowers lavender).

Rhododendron pittosporaefolium Hemsley in Jour. Linn. Soc. xxvi. 29 (1889).—Wilson in Jour. Arnold Arb. v. 105 (1924).

Rhododendron stamineum Hemsley & Wilson in Kew Bull. Misc. Inform. 1910, p. 116.—Hutchinson in Bot. Mag. cxli. t. 8601 (1915).—Non Franchet.

South Siunin, open thickets, alt. 400 m., *R. C. Ching*, no. 3331, September 7, 1925 (bush 5 m. high; common).

As the specimen is in fruit the identification is somewhat doubtful. It may represent a new species.

Rhododendron spec.

Wu yuan, woodlot, *K. Ling*, no. 1316, Herb. Univ. Nanking no. 7854, August 24, 1924.

Apparently closely related to *R. pittosporaefolium* Hemsl. but with shorter and broader leaves, usually abruptly rounded and even inclined

to be auricled at the base. The specimen is in fruit and insufficient for accurate identification.

Rhododendron Simsii Planchon in Fl. des Serres ix. 78 (1854).—Wilson in Wilson & Rehder, Monog. Azal. 45 (1921), where complete references and synonymy and a full account of the species are given.

Azalea indica Aiton, Hort. Kew, ed. 2, 318 (1810).—Sims in Bot. Mag. xxxvi. t. 1480 (1812).—Non Linnaeus.

Chu hwa shan, hillsides, *R. C. Ching*, no. 2641, Herb. Univ. Nanking no. 7569, May 1, 1925 (bush 3 m. high; common); same locality, Tien tai shan, alt. 1260 m., *R. C. Ching*, no. 2815, June 28, 1925 (slender bush, 6 m. tall; common); same locality, Hsia ken, alt. 300 m., *A. N. Steward*, no. 1106, Herb. Univ. Nanking no. 5236, April 22, 1924 (bush 1 m. tall; corolla eaten but not the pistil nor stamens); Wang shan, alt. 600 m., *R. C. Ching*, no. 2902, July 5, 1925 (bush 6 m. high); Li shan, northwest Chemen, exposed rocky ridges, alt. 1260 m., *R. C. Ching*, no. 3111, August 5, 1925 (bush 2 m. high; rare).

Rhododendron Mariesii Hemsley & Wilson in Kew Bull. Misc. Inform. 1907, p. 244.—Hutchinson in Bot. Mag. cxxxiv. t. 8206 (1908).—Wilson in Wilson & Rehder, Monog. Azal. 80 (1921), where complete references and synonymy and a full account of the species are given.

Wang shan, woods, alt. 600 to 900 m., *R. C. Ching*, nos. 2903, 3063, July 5, 20, 1925 (bush 6 m. high; common); Chu hwa shan, Chi yuen sze, alt. 1000 m., *A. N. Steward*, no. 1133, Herb. Univ. Nanking no. 5262, April 24, 1924 (bush 2 m. high; flowers pink to lavender).

Rhododendron molle G. Don, Gen. Syst. iii. 846 (1834).—Wilson in Wilson & Rehder, Monog. Azal. 95 (1921), where complete references and synonymy and a full account of the species are given.

Azalea mollis Blume, Cat. Gewass. Buitenz. 44 (1823).

Azalea sinensis Loddiges, Bot. Cab. ix. t. 885 (1824).

Rhododendron sinense Sweet, Brit. Flow. Gard. ser. 1, iii. sub t. 290 (1829).

Chu hwa shan, open brushy hillslopes, *R. C. Ching*, no. 2642, Herb. Univ. Nanking no. 7570, May 1, 1925 (bush 1 m. high, flowers brownish yellow; common); same locality, Hsia ken, alt. 300 m., *A. N. Steward*, no. 1103, Herb. Univ. Nanking no. 5233, April 22, 1924 (bush 1 m. high; flowers orange-yellow, not fragrant).

Vaccinium Donianum Wight, Icon. t. 1191 (1850).—Rehder & Wilson in Sargent, Pl. Wilson. i. 557 (1913).

Vaccinium mandarinorum Diels in Bot. Jahrb. xxix. 516 (1900).

Chu hwa shan, cliffs, alt. 650 m., *R. C. Ching*, nos. 2687 (Herb. Univ. Nanking no. 7615) and 2782, May 2 and June 27, 1925 (bush 6 m. tall; comparatively rare); Chemen, alt. 330 m., *R. C. Ching*, no. 3133, August 5, 1925 (bush 3 m. high; common); Wang shan, above Tiao chiao, alt. 900 m., *A. N. Steward*, no. 1251, Herb. Univ. Nanking no. 5490, August 9, 1924 (bush 1 to 2 m. high); Wu yuan, *K. Ling*, no. 1344, Herb. Univ. Nanking no. 7877, August 25, 1924.

A common and variable evergreen plant distinguished from related

species by its glabrous brown ovoid winter-buds with acuminate or apiculate bud-scales free and often spreading at the apex.

Vaccinium bracteatum Thunberg, Fl. Jap. 156 (1784).—Shirasawa, Icon. Ess. For. Jap. II. t. 61, fig. 11–22 (1908).—Rehder & Wilson in Sargent, Pl. Wilson. I. 558 (1913).

Andromeda chinensis Loddiges, Bot. Cab. XVII. t. 1648 (1830).

Vaccinium chinense Champion in Hooker's Kew Jour. Bot. IV. 297 (1852).

Vaccinium Donianum var. *elliptica* Miquel in Ann. Mus. Bot. Lugd.-Bat. II. 161 (1865–1866).

Vaccinium Oldhami Miquel in Ann. Mus. Bot. Lugd.-Bat. II. 161 (1865–1866).

Chu hwa shan, Wang si che, thickets, 600 m., *R. C. Ching*, no. 2867, June 30, 1925 (bush 3 m. high; rare); without precise locality, *R. C. Ching*, no. 2516, in 1925; Wu yuan, *K. Ling*, no. 1323, Herb. Univ. Nanking no. 7861, August 24, 1924.

The globose, pubescent or puberulous winter-buds serve to distinguish this evergreen species from the related *V. Donianum* Wight. In *K. Ling*'s specimen the bracts below the pedicles are reduced to minute scales, a condition not uncommon in the species.

Vaccinium japonicum var. *sinicum* Rehder in Jour. Arnold Arb. V. 56 (1924).

Vaccinium japonicum Hemsley in Jour. Linn. Soc. XXVI. 16 (1889).—Rehder & Wilson in Sargent, Pl. Wilson. I. 562 (1913).—Non Miquel.

Oxycoccoides japonicus var. *sinica* Nakai, Trees Shrubs Jap. I. 168 (1922).

Wang shan, alt. 600 m., *R. C. Ching*, no. 2931, July 11, 1925 (occasionally seen as undergrowth); same locality, *N. K. Ip*, no. 1190, Herb. Univ. Nanking no. 9627, August 11, 1924.

Vaccinium spec.

Wang shan, thickets, alt. 1500 m., *R. C. Ching*, no. 3039, July 17, 1925 (bush 4 m. high; rare).

This specimen possibly represents a new species closely related to *V. Henryi* Hemsl. from which it differs in its larger, oblong-lanceolate, acuminate, membranous leaves with prominent venation and in its longer pedicels. However, the material in this herbarium of Hemsley's species is limited and after all *Ching*'s specimen may belong there.

MYRSINACEAE

Determined by ALFRED REHDER

Maesa japonica Moritzi apud Zollinger, Syst. Verz. Ind. Archip. 61 (1855).—Mez in Engler, Pflanzenr. IV.–236, p. 50, fig. 6 (1902).—Chung in Mem. Sci. Soc. China I. 204 (Cat. Trees Shrubs China) (1924).

Li kan, west Chemen, alt. 75 m., *R. C. Ching*, no. 3151, August 7, 1925 (slender shrub 1 m. tall); without precise locality (ex Chung, l. c.).

Ardisia crispa A. De Candolle in Trans. Linn. Soc. XVII. 124 (1834); in De Candolle, Prodr. VIII. 134 (1844).—Mez in Engler, Pflanzenr. IV.–236, p. 144, fig. 22 (1902).

Ardisia crenata Roxburgh, Hort. Beng. 85 (1814), nomen nudum; Fl. Ind. ed.

Carey, II, 276 (1824).—Sims in Bot. Mag. XLV. t. 1950 (1818).

Wu yen, *K. Ling*, no. 1314, Herb. Univ. Nanking, no. 7852, August 23, 1924; Chu hwa shan, *R. C. Ching*, nos. 2656 (Herb. Univ. Nanking no. 7584) and 2695, May 1 and 2, 1925 (shrub 0.35–1.25 m. tall); Wang shan, alt. 550 m., *R. C. Ching*, no. 2945, July 12, 1925 (shrub 0.6 m. tall); south Siunin, alt. 300 m., *R. C. Ching*, no. 3328, September 7, 1925 (shrub 5.5 m. tall, stem 20 cm. diam.).

EBENACEAE

Determined by ALFRED REHDER

Diospyros Lotus Linnaeus, Sp. 1057 (1753).—Shirasawa, Icon. Ess. For. Jap. i. 123, t. 79 (1900).

Suchow fu, *S. N. Lei*, Herb. Univ. Nanking no. 2987, September 23, 1922; Nan hsu chow, San pou ten, *S. N. Lei*, Herb. Univ. Nanking nos. 2978, 2988, 2994, 2991 and 2993, September 20, 1922; Wang shan, *K. Ling*, no. 1227, Herb. Univ. Nanking no. 7784, August 12, 1924; south Wu yuan, alt. 600 m., *R. C. Ching*, no. 3310, September 4, 1925 (tree 14 m. tall).

Diospyros kaki L.f. var. *sylvestris* Makino in Tokyo Bot. Mag. xxii. 159 (1908).—Rehder & Wilson in Sargent, Pl. Wilson. ii. 590 (1916).

Kimen hsien, alt. 500 m., *N. K. Ip*, Herb. Univ. Nanking no. 4775, August 18, 1923 (tree 4.5 m. tall); Wu yuan, *K. Ling*, no. 1336, Herb. Univ. Nanking no. 7872, August 24, 1924 (tree 13 m. tall, trunk 12 cm. diam.); Wang shan, Wu yuan, *K. Ling*, no. 1336, Herb. Univ. Nanking no. 9626, August 24, 1924 (tree 12 m. tall, trunk 15 cm. diam.); on the way to Chu hwa shan, exposed cliff, alt. 250 m., *R. C. Ching*, no. 2747, June 25, 1925 (small tree); west Chemen, alt. 90 m., *R. C. Ching*, no. 3185, August 1925 (tree 15 m. tall, trunk 35 cm. diam., with gray rough bark).

STYRACACEAE

Determined by ALFRED REHDER

Pterostyrax corymbosus Siebold & Zuccarini, Fl. Jap. i. 96, t. 47 (1835).—Perkins in Engler, Pflanzenr. iv.—241, p. 100, fig. 17 (1907).

Chu hwa shan, Tien tai shan, alt. 1175 m., *R. C. Ching*, no. 2859, June 29, 1925 (tree 12 m. tall, trunk 30 cm. diam., with gray rough bark); south side of Wang shan, alt. 1225 m., *R. C. Ching*, no. 3069, July 20, 1925 (tree 14 m. tall, trunk 25 cm. diam.).

Styrax dasyanthus Perkins in Bot. Jahrb. xxxi. 485 (1902); in Engler, Pflanzenr. iv.—241, p. 31 (1907).

Chuchow, Herb. Univ. Nanking no. 1718, May 4, 1920; Chuchow, Lang yah sze, *A. N. Steward*, Herb. Univ. Nanking no. 2312, June 14, 1922; Wu yuan, alt. 425 m., *N. K. Ip*, no. 69, Herb. Univ. Nanking no. 7687, August 20, 1924 (tree 6 m. tall); Kimen, alt. 375 m., *N. K. Ip*, no. 39, Herb. Univ. Nanking no. 7664, August 19, 1924 (tree 3 m. tall); Shu ling hsien, *K. Ling*, no. 1290, Herb. Univ. Nanking no. 7131, August 20, 1924;

Wang si che, south Chu hwa shan, alt. 550 m., *R. C. Ching*, no. 2866, June 30, 1925 (slender shrub 3 m. tall); Wang shan, alt. 550 m., *R. C. Ching*, no. 2911, July 5, 1925 (tree 9 m. tall, trunk 15 cm. diam., with gray smooth bark).

Styrax philadelphoides Perkins in Engler, *Pflanzenr.* iv.-241, p. 32 (1907).

Wang shan, *N. K. Ip*, Herb. Nanking no. 5124, August 28, 1923; same locality, alt. 600 m., *R. C. Ching*, no. 3053, July 20, 1925 (shrub 8 m. tall).

Styrax Faberi Perkins in Engler, *Pflanzenr.* iv.-241, p. 33 (1907).

Chu hwa shan, *R. C. Ching*, no. 2670, Herb. Univ. Nanking no. 7598, May 2, 1925 (shrub 3 m. tall).

Styrax suberifolius Hooker & Arnott, *Bot. Voy. Beechey*, 196, t. 40 (1841).—Perkins in Engler, *Pflanzenr.* iv.-241, p. 60 (1907).

Kimien hsien, *K. Ling*, no. 1286, Herb. Univ. Nanking no. 7827, August 19, 1924 (tree 14 m. tall); Wu yuan, alt. 125 m., *R. C. Ching*, no. 3278, August 24, 1925 (tree 20 m. tall, trunk 55 cm., diam., with dark gray smooth bark).

Styrax japonicus Siebold & Zuccarini, *Fl. Jap.* i. 53, t. 23 (1835).—Perkins in Engler, *Pflanzenr.* iv.-241, p. 73 (1907).

Styrax serrulatum Hooker f. in *Bot. Mag.* xcvi. t. 5950 (1872).—Non Roxburgh.

Wu yuan, alt. 250 m., *R. C. Ching*, no. 3273, August 21, 1925 (slender shrub 3 m. tall).

Styrax obassia Siebold & Zuccarini, *Fl. Jap.* i. 93, t. 46 (1835).—Hooker f. in *Bot. Mag.* cxv. t. 7039 (1889).—Perkins in Engler, *Pflanzenr.* iv.-241, p. 77 (1907).

Wu yuan, alt. 1150 m., *R. C. Ching*, no. 3253, August 18, 1925 (tree 15 m. tall, trunk 30 cm. diam., with dark gray smooth bark).

Alniphyllum Fortunei Perkins in Engler, *Pflanzenr.* iv.-241, p. 91, fig. 14 (1907).

Halesia Fortunei Hemsley in *Jour. Linn. Soc.* xxvi. 75 (1889).

Kimien hsien, *K. Ling*, no. 1277, Herb. Univ. Nanking no. 7819, August 19, 1924 (tree 13 m. tall, trunk 20 cm. diam.); Li shan, northwest Chemen, alt. 140 m., *R. C. Ching*, no. 3105, August 3, 1925 (tree 18 m. tall, trunk 35 cm. diam., bark dark gray).

SYMPLOCACEAE

Determined by ALFRED REHDER

Symplocos setchuensis Brand in *Bot. Jahrb.* xxix. 528 (1900); in Engler, *Pflanzenr.* iv.-242, p. 31 (1901).

Li shan, Chemen, alt. 1150 m., *R. C. Ching*, no. 3114, August 5, 1925 (tree-like shrub 12 m. tall).

The specimen consists of a fruiting branch with oblong fruits 11 mm. long and 6 mm. thick, apparently fully grown, but not quite mature and

like the sepals perfectly glabrous. From the type it differs in its narrower leaves scarcely serrulate but only obsoletely crenate; it agrees much better with specimens from Ningpo collected by Macgregor which I had referred before to *S. setchuensis*.

Symplocos paniculata [Wallich ex D. Don, Prodr. Fl. Nepal. 145 (1825), pro synonym.; Cat. no. 4429 (1830), nom. nudum.]—Miquel in Ann. Mus. Bot. Lugd.-Bat. III. 102 (1867); Prol. Fl. Jap. 266 (1867).

Symplocos crataegoides Hamilton apud D. Don, Prodr. Fl. Nepal. 145 (1825).—Brand in Engler, Pflanzenr. IV.-242, p. 33 (1901).—Shirasawa, Icon. Ess. For. Jap. II. t. 68, fig. 1-13 (1908).

Chuchow, Herb. Univ. Nanking no. 622, May 4, 1920; Ching yang hsien, alt. 200 m., A. N. Steward, no. 1236, Herb. Univ. Nanking no. 5476, August 5, 1924 (tree 8 m. tall, trunk 15 cm. diam.); Chu hwa shan, R. C. Ching, no. 2696, Herb. Univ. Nanking no. 7624, May 2, 1925 (shrub 1.75 m. tall); Chu hwa shan, Tien tai shan, R. C. Ching, no. 2791, June 28, 1925 (tree 8 m. tall, with dark gray rough bark).

Usually Wallich is quoted as the author of *S. paniculata*, but his name appears in Don's Prodomus only as a synonym and in Wallich's Catalogue as a nomen nudum, though having been mentioned already as a synonym under another name, it is not an absolute nomen nudum. If, however, it is not considered a nomen nudum, it must be considered a "nomen abortivum," for the species had already a properly published name, namely *Symplocos crataegoides* Ham., which cannot be replaced by a synonym published under it, for this was what Wallich was doing, since he had no knowledge of *Prunus paniculata* Thunb. The fact that he had selected the same specific name is only a coincidence, and perhaps not such a strange coincidence as a species of *Symplocos* with a paniculate inflorescence was a departure from the character of the genus as Wallich knew it. Miquel was the first to publish the combination *S. paniculata* based on the oldest name of the species which is *Prunus paniculata* Thunb.

Symplocos chinensis "(Lour.) Desv. in hb. Mus. Paris" Merrill, Comment. Loureiro Fl. Cochin. (1921).

Myrtus chinensis Loureiro, Fl. Cochin. 313 (1790).

Symplocos sinica Ker in Bot. Reg. IX. t. 710 (1832).—Brand in Engler, Pflanzenr. IV.-242, p. 34, (1901).

Chu hwa shan, R. C. Ching, no. 2703, Herb. Univ. Nanking no. 7630, May 2, 1925 (shrub 2 m. tall).

Symplocos lancifolia Siebold & Zuccarini in Abh. Akad. Münch. IV. pt. II. 133 (Fam. Nat. Fl. Jap. I. 9) (1845).—Brand in Engler, Pflanzenr. IV.-242, p. 41 (1901).

Wu yuan, alt. 450 m., N. K. Ip, no. 75, K. Ling, no. 1304, Herb. Univ. Nanking nos. 7691, 7843, August 22, 1924 (tree 7 m. tall, trunk 10 cm. diam.).

Symplocos anomala Brand in Bot. Jahrb. XXIX. 529 (1900); in Engler, Pflanzenr. IV.-242, p. 67 (1901).

Wang shan, *K. Ling*, no. 1225, Herb. Univ. Nanking no. 7783, August 12, 1924 (tree 3 m. tall); same locality, alt. 600–700 m., *R. C. Ching*, nos. 2972 and 3066, July 12 and 20, 1925 (shrub 6–7 m. tall); without precise locality, *R. C. Ching*, no. 3258, in 1925.

Symplocos stellaris Brand in Bot. Jahrb. xxix. 528 (1900); in Engler Pflanzenr. iv.–242, p. 68 (1901).

Wang shan, alt. 1300 m., *A. N. Steward*, no. 1283 and *K. Ling*, no. 1195, Herb. Univ. Nanking nos. 7155 and 7759, August 11, 1924; same locality, *R. C. Ching*, no. 2920, July 5, 1925 (tree 6 m. tall).

OLEACEAE

Determined by ALFRED REHDER

Fontanesia Fortunei Carrière in Rev. Hort. 1859, p. 43, fig. 9.—Schneider, Ill. Handb. Laubholz. ii. 809, fig. 511 a–d (1912).

Fontanesia phillyreoides Labill. var. *sinensis* Debaux in Act. Soc. Linn. Bordeaux, xxx. 93 (Fl. Shanghai, 41) (1875).

Fontanesia phillyreoides var. *Carrierei* Koehne, Deutsch. Dendr. 505 (1893).—Lingelsheim in Engler, Pflanzenr. iv.–243, 9, fig. 1 c, d (1920).

Wang shan, *R. C. Ching*, no. 2924, July 5, 1925 (shrub 8 m. tall); Wu yuan, alt. 1000 m., *R. C. Ching*, no. 3302, September 2, 1925 (tree 14 m. tall).

Fraxinus chinensis Roxburgh, Fl. Ind. i. 150 (1820).—Hemsley in Jour. Linn. Soc. Bot. xxvi. 85 (1889).—Lingelsheim in Engler, Pflanzenr. iv.–243, p. 28 (1920).

Fraxinus chinensis var. *α. typica* Lingelsheim, l. c. fig. 8 A, B (1920).

Kau toun, Tai ping hsien, *R. C. Ching*, no. 2884, July 3, 1925 (shrub 8 m. tall); west Chemen, alt. 90 m., *R. C. Ching*, no. 3193, August 9, 1925 (small tree); Tung cheng hsien, Nganching fu, *B. C. G. Scott*, about 1880 (ex Hemsley, l. c.).

Fraxinus chinensis var. *ε. acuminata* Lingelsheim in Engler, Pflanzenr. iv.–243, p. 30 (1920).

Wang shan, *K. Ling*, no. 1153, Herb. Univ. Nanking no. 7733, August 9, 1924 (tree 5 m. tall); same locality, alt. 600–1200 m., *R. C. Ching*, nos. 2941 and 3071, July 11 and 20, 1925 (tree 8–9 m. tall, diam. of trunk 15–20 cm.); Chu hwa shan, Tien tai shan, alt. 1200 m., *R. C. Ching*, nos. 2818, 2854, June 28 and 29, 1925 (shrub 8 m. or tree 20 m. tall).

Fraxinus spec.

Li kan, Chemen, alt. 90 m., *R. C. Ching*, no. 3152, August 7, 1925 (shrub 5 m. tall).

This specimen I am unable to identify with any Chinese species. It is similar in general appearance to *F. chinensis* Rox. and *F. longicuspis* Sieb. & Zucc. The young branchlets, the inflorescence and the midrib and veins on the under side of the leaves are rather densely short-pilose, the upper side of the leaves is slightly puberulous and the under side sparingly pubescent between the veins; the minute calyx is deeply

parted as in *F. longicuspis* or mostly fallen off, not campanulate as in *F. chinensis*. The fruit is oblong-spatulate about 3 cm. long and 6–7 mm. broad. This Ash is apparently a new species, but without flowers I hesitate to describe it as such.

Forsythia viridissima Lindley in Jour. Hort. Soc. i. 226 (1846); in Bot. Reg. i. t. 39 (1847).—Hooker in Bot. Mag. LXXVII. t. 4587 (1851).—Lingelsheim in Engler, Pflanzenr. iv.-243, p. 110 (1920).

Chu hwa shan, Chi yuen sze, alt. 1000 m., *A. N. Steward*, no. 1138, Herb. Univ. Nanking no. 5267, April 24, 1924 (shrub 1 m. tall); Chu hwa shan, on exposed rocky cliffs, *R. C. Ching*, no. 2618, Herb. Univ. Nanking no. 7544, April 29, 1925 (shrub 1.75 m. tall).

Ligustrum sinense, Loureiro, Fl. Coch. 19 (1790).—Decaisne in Nouv. Arch. Mus. Paris, sér. 2, II. 36 (Monog. *Ligustrum* et *Syringa*) (1878).¹—Höfker in Mitt. Deutsch. Dendr. Ges. XXIV. 57, t. 1, 2 (1815).

Ching yang hsien, at foot of mountain, *K. Ling*, no. 1123, Herb. Univ. Nanking no. 7714, August 6, 1924 (shrub 1 m. tall); Shu ling hsien, alt. 400 m., *K. Ling*, no. 1287, Herb. Univ. Nanking no. 7828, August 19, 1924 (shrub 3 m. tall); Wu yuan, alt. 600 m., *R. C. Ching*, no. 3257, August 18, 1925 (shrub 5 m. tall).

Ligustrum Quihoui Carrière in Rev. Hort. 1869, p. 377.—Decaisne in Nouv. Arch. Mus. Paris, sér. 2, II. 35 (Monog. *Ligustrum* et *Syringa*) (1878).—Schneider, Ill. Handb. Laubholzk. II. 801, fig. 502, k–l (1911).

Without precise locality, *R. C. Ching*, no. 2733, in 1925.

Ligustrum lucidum Aiton, Hort. Kew. ed. 2, i. 19 (1810).—Sims in Bot. Mag. LII. t. 2565 (1825).—Decaisne in Nouv. Arch. Mus. Paris, sér. 2, II. 20 (Monog. *Ligustrum* et *Syringa*) (1878).—Hemsley in Jour. Linn. Soc. Bot. XXVI. 92 (1889).

Wang shan, alt. 350 m., *R. C. Ching*, no. 2895, July 5, 1925 (tree 11 m. tall); Wu yuan, *R. C. Ching*, no. 3282, August 29, 1925 (tree 18 m. tall); Tung cheng hsien, Nganching fu, *B. C. G. Scott*, about 1880 (ex Hemsley, l. c.).

Ligustrum acutissimum Koehne in Urban & others, Festschrift Siebz. Geburtst. Ascherson, 192, fig. 1a (1904).—Schneider, Ill. Handb. Laubholzk. II. 806, fig. 505 m–n², 506a–d (1911).

Li shan, northwest Chemen, *R. C. Ching*, no. 3113, August 5, 1925 (shrub 6 m. tall).

This specimen which is in young fruit represents apparently a glabrescent or glabrous form of *L. acutissimum*, but as long as the flowers are unknown this identification remains somewhat doubtful.

Ligustrum sp.

Foot of Chu hwa shan, *R. C. Ching*, no. 2690, Herb. Univ. Nanking

¹ The first part of vol. II. of the Nouvelles Archives came out in 1879 according to the cover page of that part, but the paper was issued as a separate in 1878 according to Revue bibliographique in Jour. Soc. Bot. France, XXVI. 103.

no. 7618, May 2, 1925 (shrub 6 m. tall); Chu hwa shan, alt. 600 m., *R. C. Ching*, no. 2797, June 28, 1925 (shrub 4 m. tall).

These specimens of which the first has young flower buds and a few old fruits and the second very young fruits, belong probably in the affinity of *L. acutissimum* Koehne, but the inflorescence is larger and looser and the fruits on longer and much thickened pedicels. Without flowers a definite identification is not possible.

Ligustrum sp.

Ma chi, Siunin, alt. 90 m., at the shaded foot of rocky cliff, *R. C. Ching*, no. 3212, August 14, 1925.

This is an evergreen or half-evergreen species with coriaceous oblong-lanceolate acuminate leaves up to 5.5 cm. long, the slender acumen ending in a distinct mucro; the branchlets and the midrib on the under side of the leaves at least near base are pilose; the inflorescence which bears young fruits is short and compact. Without flowers I am at a loss where to place this distinct looking Privet.

Osmanthus Cooperi Hemsley in Kew Bull. Misc. Inform. ix. 11, 1896.

Ma chi, Siunin, alt. 300 m., *R. C. Ching*, no. 3213, August 14, 1925 (tree 12 m. tall).

Chionanthus retusa Lindley & Paxton in Paxton's Flow. Gard. iii. 85, fig. 273 (1853).—Nakai, Fl. Sylv. Kor. x. 16, t. 1 (1921).

Chu hwa shan, alt. 300 m., *A. N. Steward*, no. 1104, Herb. Univ. Nanking no. 5234, April 22, 1924 (shrub 1 m. tall).

The specimen cited above has finely serrulate leaves, a form which has been distinguished as *C. retusa* var. *serrulata* (Hayata) Koidz. This is apparently only a juvenile form; young plants always have serrulate leaves.

Jasminum lanceolarium Roxburgh, Fl. Ind. i. 97 (1820).—Clarke in Hooker f., Fl. Brit. Ind. iii. 601 (1882).

East Wu yuan, alt. 550, *R. C. Ching*, no. 3312, September 4, 1925 (strong climber 15 m. high).

LOGANIACEAE

Determined by ALFRED REHDER

Gardneria multiflora Makino in Tokyo Bot. Mag. vi. 53 (1892), nomen nudum; xv. 103 (1901).—Nakai, Trees Shrubs Japan, i. 317, fig. 176 (1922).

Wang shan, alt. 1350 m., *K. Ling*, no. 1183, Herb. Univ. Nanking no. 7751, August 11, 1924; same locality, alt. 1275 m., *R. C. Ching*, nos. 2955, and 3037, July 12 and 15, 1925 (climbing shrub 3 m. high); Chu hwa shan, alt. 600 m., *R. C. Ching*, no. 2809, June 28, 1925 (evergreen climber 8 m. tall).

The plant from central and western China has been separated by Nakai as *Gardneria chinensis*, but the specimens cited above agree with

the Japanese *G. multiflora* in their 1-3-flowered inflorescence, shorter petioles and the more numerous veins of the leaves. Ching's number 1777 from Chekiang agrees in the leaves and petioles with the Anhwei plant, but the inflorescence is 5-flowered.

Buddleia Lindleyana Fortune apud Lindley in Bot. Reg. xxx. misc. not. 25 (1844); xxxii. t. 4 (1846).

Wang shan, *K. Ling*, no. 1248, Herb. Univ. Nanking no. 7796, August 14, 1924; Wu yuan, Tan chuan, *K. Ling*, no. 1319, Herb. Univ. Nanking no. 7857, August 24, 1924; north foot of Chu hwa shan, alt. 300 m., *R. C. Ching*, no. 2759, June 26, 1925 (bushy shrub 4 m. tall).

APOCYNACEAE

Determined by ALFRED REHDER

Trachelospermum jasminoides Lemaire in Jard. Fleur. i. t. 61 (1851).

Rhynchospermum jasminoides Lindley in Jour. Hort. Soc. Lond. i. 74, fig. (1846).—Hooker in Bot. Mag. LXXIX. t. 4737 (1853).

Shi teh hsien, *K. Ling*, no. 1130, Herb. Univ. Nanking no. 7719, August 7, 1924; Chu hwa shan, *R. C. Ching*, no. 2667, Herb. Univ. Nanking no. 7595, May 2, 1925 (climber 18 m. high); Wu yuan, alt. 550 m., *R. C. Ching*, no. 3305, September 4, 1925 (climber 12 m. tall).

BORAGINACEAE

Determined by ALFRED REHDER

Ehretia thyrsoiflora Nakai, Trees Shrubs Japan, i. 327, fig. 179 (1922); Fl. Sylv. Kor. xiv. 20, t. 4 (1923).

Cordia thyrsoiflora Siebold & Zuccarini in Abh. Akad. Münch. iv. pt. iii. 150 (Fl. Jap. Fam. Nat. ii. 26) (1846).

Shi teh hsien, *K. Ling*, no. 1133, Herb. Univ. Nanking no. 7722, August 7, 1924; Wu yuan, *K. Ling*, no. 1337, Herb. Univ. Nanking no. 7873, August 24, 1924 (tree 12 m. tall, trunk 30 cm. diam; fruit reddish yellow; Pi shan, northwest Chemen, alt. 300 m., *R. C. Ching*, no. 3099, August 3, 1925 (tree 9 m. tall, trunk 40 cm. diam., with dark gray rough bark).

VERBENACEAE

Determined by ALFRED REHDER

Callicarpa dichotoma Raeuschel Nomencl. Bot. ed. 3, p. 37 (1797), nomen nudum.—K. Koch, Deutsch. Dendr. ii. 336 (1872).—Nakai, Fl. Sylv. Kor. xiv. 28, t. 5 (1923).

Callicarpa purpurea Jussieu in Ann. Mus. Paris, vii. 69 (1806).

Foot of Chu hwa shan, alt. 350 m., *R. C. Ching*, no. 2766, June 26, 1925 (shrub 1.5 m. tall); west Chemen, *R. C. Ching*, without no., August 1925.

Callicarpa japonica Thunb. var. *angustata* Rehder in Sargent, Pl. Wilson. iii. 369 (1916).

Wang shan, *K. Ling*, no. 1189, Herb. Univ. Nanking no. 7754, August

11, 1924; same locality, alt. 1200 m., *R. C. Ching*, no. 2977, July 12, 1925 (much branched shrub 4.5 m. tall).

Callicarpa Giralddiana Hesse in Mitt. Deutsch. Dendr. Ges. XXI. 366, 2 fig. (1912), sine descript.—Rehder in Sargent, Pl. Wilson. III. 366 (1916).

Ching yang hsien, *K. Ling*, no. 1127, Herb. Univ. Nanking no. 7717, August 6, 1924; Wang shan, *K. Ling*, no. 1243, Herb. Univ. Nanking no. 7794, August 14, 1924; same locality, *R. C. Ching*, no. 2990, July 13, 1925 (shrub 4.5 m. tall); north foot of Chu hwa shan, alt. 300 m., *R. C. Ching*, no. 2761, June 26, 1925 (shrub 4.5 m. tall); south Chemen, alt. 300 m., *R. C. Ching*, no. 3204, August 13, 1925 (slender shrub 3 m. tall).

None of the specimens cited above represents typical *C. Giralddiana*; Ling's two specimens resemble somewhat *C. japonica* var. *angustata* Rehd. in their narrower leaves, but they are easily distinguished by the broader anthers opening with a longitudinal slit and the quite glabrous leaves; by the same characters Ching's nos. 2761 and 3204 which are similar in their large leaves and large inflorescence to *C. japonica* var. *luxurians* Rehd. can be distinguished from that variety. Ching's no. 2990 which is nearest to typical *C. Giralddiana* in its characters differs in its nearly glabrous leaves which are only slightly and minutely glandular beneath and very slightly stellate-pubescent on the veins.

Callicarpa longipes Dunn in Jour. Linn. Soc. XXXVIII. 363 (1908).

Chang gon shan, Wu yuan, alt. 625 m., *R. C. Ching*, no. 3230, August 16, 1925 (shrub 2 m. tall).

Ching's specimen differs from the type in its less dense and shorter pubescence, and in the smaller flowers, but otherwise it agrees with it.

Callicarpa Lingii Merrill, sp. nov.

Frutex glaber vel subglaber, ramis pallidis, teretibus, glabris, ramulis circiter 2 mm. diametro, teretibus, minute stellato-puberulis, internodiis usque ad 9 cm. longis; foliis chartaceis vel submembranaceis, utrinque glabris vel junioribus supra obscurissime puberulis, brevissime petiolatis vel subsessilibus, oblongis, 15 ad 22 cm. longis, 5 ad 6.5 cm. latis, supra olivaceo-viridibus, subtus paullo pallidioribus, disperse aureo-glandulosis, apice distincte acuminatis, deorsum angustatis, basi circiter 7 mm. latis, abrupte obtusis, margine remote minuteque calloso-denticulatis, nervis primariis utrinque 10 ad 12, distantibus, curvatis, distinctis, laxe arcuato-anastomosantibus, reticulis laxis; petiolo vix 1 mm. longo, parce stellato-puberulo; infructescentiis solitariis, supra-axillaribus, cymosis, circiter 2.5 cm. longis, minute decidue stellato-puberulis, vix pedunculatis, paullo supra basin ramosis, ramulis pedicellisque brevibus glabris vel subglabris, bracteis lineari-lanceolatis, 1 ad 2 mm. longis; calycibus sub fructu glabris, circiter 3 mm. diametro, leviter undulato crenatis; fructibus late ovoideis vel subobovoideis, glabris, circiter 3 mm. longis,

ANHWEI: Wu Yuan, *K. Ling*, no. 1313, Herb. Univ. Nanking no. 7851, August 23, 1924, in forests.

The alliance of this species is manifestly with *Callicarpa brevipes* Hance from which it is at once distinguished by being nearly glabrous except for the branchlets and the inflorescences, as well as in its much longer glabrous leaves.

E. D. MERRILL

Premna microphylla Turczaninow in Bull. Soc. Nat. Moscou, xxxvi. pt. II. 217 (1863).

Premna japonica Miquel in Ann. Mus. Bot. Lugd.-Bat. II. 97 (1865); Prol. Fl. Jap. 29 (1866).—Shirasawa, Icon. Ess. For. Jap. II. t. 70, fig. 1-10 (1908).

On the way to Chu hwa shan, alt. 250 m., *R. C. Ching*, no. 2749, June 25, 1925 (slender shrub 1.5 m. tall); Wang si che, south Chu hwa shan, alt. 600 m., *R. C. Ching*, no. 2848, June 29, 1925.

Vitex Negundo Linnaeus, Sp. 638 (1753).—Schauer in De Candolle, Prodr. XI. 684 (1847).—De Wildeman in Hort. Thenens. v. 157, t. 199 (1906).

Chuchow, Herb. Univ. Nanking no. 1726, April 26, 1920.

Vitex cannabifolia Siebold & Zuccarini in Abh. Akad. Münch. IV. pt. III. 152 (Fl. Jap. Fam. Nat. II. 28) (1846).

Wu yuan, alt. 450 m., *K. Ling*, no. 1307, Herb. Univ. Nanking no. 7845, August 22, 1924; Lin chu wan, *R. C. Ching*, no. 2739, June 25, 1925 (bushy shrub 2.5 m. tall).

This species is closely related to *V. Negundo* but is easily distinguished by its short-pilose not tomentulose pubescence and the glabrous or glabrescent mesophyll of the under side of the leaves which is green or greenish not whitish.

Clerodendron foetidum Bunge in Mém. Div. Sav. Acad. Sci. St. Pétersb. II. 126 (Enum. Pl. Chin. Bor. 52) (1833).—Hooker in Bot. Mag. LXXXI. t. 4880 (1855).

Chu chow, Lang yah sze, *A. N. Steward*, Herb. Univ. Nanking, no. 2305, June 14, 1922; Pi chiao chiao, alt. 250 m., *A. N. Steward*, no. 1239, Herb. Univ. Nanking no. 5479, August 6, 1924 (shrub 0.5 m. tall); Wang si che, south Chu hwa shan, alt. 600 m., *R. C. Ching*, no. 2877, June 30, 1925 (shrub 0.6 m. tall).

Clerodendron trichotomum Thunb. var. **Fargesii** Rehder in Sargent, Pl. Wilson. III. 376 (1916).

Clerodendron Fargesii Dode in Bull. Soc. Dendr. France, 1907, p. 207, fig.—Pinelle in Rev. Hort. 1911, p. 522, fig. 206-207.

Wang shan, *K. Ling*, no. 1209, Herb. Univ. Nanking, no. 7770, August 12, 1924 (tree 6 m. tall, trunk 10 cm. diam.); same locality, alt. 1150 m., *R. C. Ching*, no. 2951, July 12, 1925 (tree 6.5 m. tall, trunk 15 cm. diam., with gray bark); Chang gon shan, Wu yuan, alt. 725 m., *R. C. Ching*, no. 3222, August 16, 1925 (bushy shrub 3 m. tall).

Clerodendron cyrtophyllum Turczaninow in Bull. Soc. Nat. Moscou, xxxvi. pt. III. 222 (1863).

Yeh hsien, alt. 950 m., *R. C. Ching*, no. 3074, July 21, 1925 (shrub 2.5 m. tall).

Caryopteris incana Miquel in Ann. Mus. Bot. Lugd.-Bat. II. 97 (1866); Prol. Fl. Jap. 29 (1866).—Maximowicz in Bull. Acad. Sci. St. Pétersb. XXXI. 86 (1886); in Mém. Biol. XII. 523 (1886).

Caryopteris Mastacanthus Schauer in De Candolle, Prodr. XI. 625 (1847).—Hooker f. in Bot. Mag. CIII. t. 6799 (1885).

S che chi, U kan kou, *R. C. Ching*, no. 4677, September 15, 1925 (subshrub 1 m. tall).

This specimen differs from the typical form in the grayish green, only densely pubescent not tomentose under side of the leaves and agrees in this respect with a specimen from Ningpo collected by D. Macgregor.

SOLANACEAE

Determined by ALFRED REHDER

Solanum Dulcamara L. var. *pubescens* Blume, Bijdr. Fl. Ned. Ind. 698 (1825).

Solanum lyratum Thunberg, Fl. Jap. 92 (1784).—Dunal in De Candolle, Prodr. XIII. pt. I. 79 (1852).

Solanum Dulcamara v. *Chinense* Dunal, l. c.

South I hsien, alt. 125 m., *R. C. Ching*, no. 4315, Herb. Univ. Nanking no. 8698, July 31, 1925 (climbing herb. 1.25 m. high).

SCROPHULARIACEAE

Determined by ALFRED REHDER

Paulownia Fortunei Hemsley in Jour. Linn. Soc. XXVI. 180 (1890).

Paulownia Mikado Ito, Icon. Fl. Jap. I. t. 9-12 (1912).

Wu yuan, alt. 250 m., *R. C. Ching*, no. 3286, August 29, 1925 (tree 24 m. tall, trunk 1.80 diam., with grayish brown bark).

BIGNONIACEAE

Determined by ALFRED REHDER

Catalpa ovata G. Don, Gen. Syst. IV. 230 (1837).—Lavallée, Icon. Arb. Segrez. 33, t. 10 (1880).

Catalpa Kaempferi Siebold & Zuccarini in Abh. Akad. Münch. IV. pt. III. 142 (Fl. Jap. Fam. Nat. II. 18) (1846).—Hooker f. in Bot. Mag. CVIII. t. 6611 (1882).

Tai pin hsien, alt. 150 m., *R. C. Ching*, no. 2887, July 3, 1925 (tree 20 m. tall, trunk 25 cm. diam., with rough gray bark).

GESNERIACEAE

Determined by ALFRED REHDER

Lysionotus pauciflorus Maximowicz in Bull. Acad. Sci. St. Pétersb. IX. 534 (1874); in Mém. Biol. IX. 366 (1874).—C. B. Clarke in De Candolle, Monog. Phaner. V. 599 (1883).

Wang shan, on shaded rocks, *R. C. Ching*, no. 2901, July 5, 1925 (trailing shrub 20 cm. high); Chemen, on rock under wood, *R. C. Ching*, no. 3126, August 5, 1925 (low trailing shrub).

RUBIACEAE

Determined by ALFRED REHDER

Emmenopterys Henryi Oliver in Hooker's Icon. XIX. t. 1823 (1889).Wang shan, alt. 600 m., *R. C. Ching*, no. 2971, July 12, 1925 (tree 18 m. high).**Adina rubella** Hance in Jour. Bot. VI. 114 (1868).—Nakai, Fl. Sylv. Kor. XIV. 86, t. 20 (1923).Chuchow, alt. 150 m., *A. N. Steward*, no. 1077, Herb. Univ. Nanking no. 5443, October 27, 1923 (shrub 0.5–1 m. high); north foot of Chu hwa shan, alt. 300 m., *R. C. Ching*, no. 2757, June 26, 1925 (a dense, much branched, bushy shrub 20 cm. high).**Adina pilulifera** Franchet in Jour. Bot. IX. 207 (1895).*Cephalanthus pilulifera* Lamarek, Enc. Méth. I. 678 (1785).*Adina globiflora* Salisbury in Hooker, Parad. Lond. II. t. 115 (1807).Wu yuan, *K. Ling*, no. 1332, Herb. Univ. Nanking no. 7868, August 24, 1924 (shrub 5 m. high); same locality, alt. 120 m., *R. C. Ching*, no. 3268, August 21, 1925 (bushy shrub 3 m. high).**Cephalanthus occidentalis** Linnaeus, Sp. 95 (1753).—Sargent, Silva N. Am. XIV. t. 711 (1902).Li shan, northwest Chemen, alt. 180 m., *R. C. Ching*, no. 3103, August 3, 1925 (tree of medium size 14 m. high).**Mussaenda Wilsonii** Hutchinson in Sargent, Pl. Wilson. III. 393 (1917).Kimen, alt. 360 m., *N. K. Ip*, no. 41, Herb. Univ. Nanking no. 7666, August 19, 1924; same locality and date; *K. Ling*, no. 1276, Herb. Univ. Nanking no. 7818 (shrub); Chemen, *R. C. Ching*, no. 3199, August 13, 1925 (a shrub 2.5 m. high).**Gardenia augusta** Merrill, Interpr. Rumph. Herb. Amboin. 485 (1917).*Gardenia florida* Linnaeus, Sp. ed. 2, 305 (1762).Kimen, *K. Ling*, no. 1270, Herb. Univ. Nanking no. 7814, August 18, 1924; Li kan, west of Chemen, alt. 75 m., *R. C. Ching*, no. 3150, August 7, 1925 (a bushy shrub 2 m. high).**Paederia chinensis** Hance in Jour. Bot. XVI. 228 (1878).—Nakai, Fl. Sylv. Kor. XIV. 91, t. 21 (1923).*Paederia tomentosa* Hemsley in Jour. Linn. Soc. XXIII. 389 (1888), pro parte.—Non Blume.Tze kuan Sze, Wang shan, alt. 1300 m. alt., *A. N. Steward*, no. 1281, Herb. Univ. Nanking no. 7153, August 11, 1924; Chu hwa shan, alt. 750 m., *R. C. Ching*, no. 2837, June 28, 1925 (climber 6 m. high); west Siunin, alt. 300 m., *R. C. Ching*, no. 3261, in 1925 (winding dense climber; 12 m. high).**Serissa serissoides** Druce in Rep. Bot. Exch. Club Brit. Isles, 1916, p. 646 (1917).*Democritea serissoides* De Candolle, Prodr. IV. 540 (1830).*Leptodermis nervosa* Hutchinson in Sargent, Pl. Wilson. III. 404 (1916).Chu hwa shan, alt. 300 m., *R. C. Ching*, no. 2755, June 25, 1925 (dense,

bushy shrub $\frac{3}{4}$ m. high); south side of Wang shan, alt. 810 m., *R. C. Ching*, no. 3062, July 20, 1925 (shrub $\frac{1}{2}$ m. high).

CAPRIFOLIACEAE

Determined by ALFRED REHDER

Sambucus javanica Reinwardt apud Blume, Bijdr. Fl. Ned. Ind. 657 (1825).—Without precise locality, *R. C. Ching*, no. 4310, in 1925.

Viburnum sympodiale Graebner in Bot. Jahrb. xxix. 587 (1901).—Rehder in Sargent, Trees & Shrubs II. 83, t. 139 (1908).

Wang shan, alt. 1500 m., *K. Ling*, no. 1201, Herb. Univ. Nanking no. 7764, August 12, 1924; same locality, alt. 750 m., *R. C. Ching*, 2962, July 12, 1925 (shrub 5 m. tall).

Viburnum tomentosum Thunberg, Fl. Jap. 123 (1874).—Shirasawa, Icon. Ess. For. Jap. I. 131, t. 86, fig. 1-16 (1900).

Chu hwa shan, *R. C. Ching*, no. 2660, Herb. Univ. Nanking no. 7588, May 1, 1925; Tien tai shan, Chu hwa shan, alt. 1200 m., *R. C. Ching*, no. 2856, June 29, 1925 (shrub 4 m. high); Ye Hsien, alt. 360 m., *R. C. Ching*, no. 3073, July 21, 1925 (low shrub 1-2 m. high).

Viburnum macrocephalum Fortune sensu Maximowicz in Bull. Soc. Nat. Moscou, LIV. 24 (1879).—Rehder in Sargent, Trees & Shrubs, II. 110 (1908).

Viburnum Keteleeri Carrière in Rev. Hort. 1863, p. 269, fig. 31.

Viburnum macrocephalum var. *Keteleeri* Nicholson, Ill. Dict. Gard. IV. 155, fig. 168 (1889).

Kweichow, alt. 150 m., *R. C. Ching*, no. 3339, September 10, 1925 (shrub 6 m. tall).

Viburnum theiferum Rehder in Sargent, Trees & Shrubs, II. 43, t. 121 (1907).

Kimien, alt. 360 m., *N. K. Ip*, no. 36, Herb. Univ. Nanking no. 7662, August 19, 1924; Chu hwa shan, alt. 500 m., *A. N. Steward*, no. 1120, Herb. Univ. Nanking no. 5249, April 23, 1924 (shrub 2 m. tall); same locality, *R. C. Ching*, no. 2644, Herb. Univ. Nanking no. 7572, May 1, 1925 (shrub 1.75 m. tall); same locality, alt. 600 m., *R. C. Ching*, no. 2780, June 27, 1925 (shrub of umbrella shape 3 m. tall).

Viburnum Wrightii Miquel in Ann. Mus. Bot. Lugd.-Bat. II. 267 (1865-6).—Rehder in Sargent, Trees & Shrubs, I. 37, t. 19, (1902).

Wang shan, alt. 1155 m., *R. C. Ching*, no. 2998, July 13, 1925 (shrub 5 m. tall); Chang gon shan, Wu yuan, alt. 750 m., *R. C. Ching*, no. 3245, August 17, 1925 (shrub $3\frac{1}{2}$ m. tall).

Differs from *V. lobophyllum* Graebner in the estipulate petioles, in the longer filaments and in the generally elliptic or obovate leaves. No. 3245 has densely pilose ovaries, probably caused by a gall insect.

Viburnum Fordiae Hance in Jour. Bot. XXI. 321 (1883).

Wu yuan, alt. 120 m., *R. C. Ching*, no. 3279, August 24, 1925 (shrub 4.5 m. high).

Ching's no. 3279 is doubtfully referred to this species.

Viburnum ichangense Rehder in Sargent, *Trees & Shrubs* II. 105, t. 150 (1908).

Viburnum erosum var. *ichangense* Hemsley in Jour. Linn. Soc. Bot. XXIII. 352 (1888).

Wang shan, *K. Ling*, no. 1236, Herb. Univ. Nanking no. 7790, August 12, 1924; same locality, alt. 1050 m., *R. C. Ching*, no. 2952, July 12, 1925 (shrub 4.5 m. tall); Tien tai shan, Chu hwa shan, *R. C. Ching*, no. 2826, June 28, 1925 (erect shrub 3 m. tall).

Viburnum Sargentii Koehne var. *calvescens* Rehder in Mitt. Deutsch. Dendr. Ges. XII. 125 (1903).

Wang shan, alt. 1340 m., *R. C. Ching*, no. 3050, July 19, 1925 (shrub 4.5 high).

Abelia Zanderi Rehder in Sargent, *Pl. Wilson.* I. 121 (1911).

Linnaea Zanderi Graebner in Bot. Jahrb. XXIX. 132 (1900).

Near Sz Tz Lin, Wang shan, alt. 2000 m., *A. N. Steward*, no. 1310, Herb. Univ. Nanking no. 7181, August 11, 1924 (shrub 2 m. tall); Wang shan, alt. 1900 m., *K. Ling*, no. 1204, Herb. Univ. Nanking no. 7765, August 12, 1924; same locality, alt. 900 m., *R. C. Ching*, no. 2959, July 12, 1925 (dense spreading shrub 1–1.5 m. tall) same locality, alt. 1490 m., *R. C. Ching*, no. 3015, July 15, 1925 (dense shrub 3 m. tall); Tien tai shan, Chu hwa shan, *R. C. Ching*, no. 2833, June 28, 1925 (dense globular shrub, up to 1 m. tall).

Lonicera fragrantissima Lindley & Paxton, *Flow. Gard.* III. 75, fig. 268 (1852).—Boynton in *Addisonia* x. 41, t. 341 (1925).

Chu hwa shan, *R. C. Ching*, no. 2645, Herb. Univ. Nanking no. 7573, May 1, 1925 (shrub of bushy form 3.5 m. tall).

Form with pubescent leaves.

Lonicera Hemsleyana Rehder in Rep. Mo. Bot. Gard. XIV. 112 (Syn. *Lonicera*) (1903).

Tien tai shan, Chu hwa shan, alt. 1200 m., *A. N. Steward*, no. 1156, Herb. Univ. Nanking no. 5280, April 25, 1924 (bush 1–2 m. tall).

Lonicera modesta Rehder in Sargent, *Trees & Shrubs* II. 49 (1907).

Chu hwa shan, alt. 1300 m., *K. Ling*, no. 2036, Herb. Univ. Nanking no. 7296, April 25, 1924 (shrub 2 m. tall); same locality, *R. C. Ching*, no. 2689, Herb. Univ. Nanking no. 7617, May 2, 1925 (shrub 3.5 m. tall).

Lonicera spec.

Wang shan, alt. 1370 m., *R. C. Ching*, no. 3007, July 15, 1925 (dense shrub 1 m. tall).

This specimen is in immature fruit and too incomplete for final determination; it belongs to the section *Rhodanthae* and in its general appearance it looks like *L. modesta* var. *kulingensis*, but the young fruits agree with those of *L. Graebneri* Rehd., except that bracts and sepals are glabrous.

Lonicera Maackii Maximowicz var. *podocarpa* Franchet apud Rehder in Rep. Mo. Bot. Gard. xiv. 141 (1903).

Chu hwa shan, *R. C. Ching*, no. 2715, Herb. Univ. Nanking no. 7579, May 3, 1925 (shrub 5 m. high).

Lonicera Henryi Hemsley in Jour. Linn. Soc. xxiii. 363 (1888).—Craib in Bot. Mag. cxxxvii. t. 8375 (1911).

Chang gon shan, Wu yuan, alt. 750 m., *R. C. Ching*, no. 3247, August 17, 1925 (a strong climber 12 m. high).

Lonicera Henryi var. *trichosepala* Rehder, var. nov.

A typo recedit ramulis junioribus dense patenti-pilosis, foliis subtus ad costam et sparsius ad venas et saepe ad venulas setoso-pilosis, supra costa excepta glabratis vel laxe accumbenti-pilosis, bracteis longioribus ut bracteolae et sepala lineari-lanceolata ovarium subaequantia satis dense setoso-pilosis et setoso-ciliatis.

ANHWEI: Chu hwa shan, alt. 600 m., in partially shaded ravines, *R. C. Ching*, no. 2807, June 28, 1925 (small climbing shrub; type).

CHEKIANG: Tien moo shan, side of streams, *R. C. Ching*, no. 5049, August 18, 1924 (shrub).

This variety of which the flowers are unknown, differs chiefly in the spreading pubescence of the branchlets, glabrous or covered with more or less appressed pubescence in the typical form, and in the much longer linear-lanceolate densely setose-pilose sepals, triangular-ovate and glabrous or occasionally with a few setae on the margin in the type.

Lonicera tragophylla Hemsley in Jour. Linn. Soc. xxiii. 367 (1888).—Rehder in Sargent, Trees & Shrubs i. 91, t. 46 (1903).

Wang shan, alt. 1050 m., *R. C. Ching*, no. 2956, July 12, 1925 (woody climber 10 m. high); same locality, *R. C. Ching*, no. 2985, July 12, 1925 (a tall strong climber 14 m. high).

Diervilla japonica DC. var. *sinica* Rehder in Mitt. Deutsch. Dendr. Ges. xxii. 264 (1913).

Chu hwa shan, alt. 1300 m., *K. Ling*, no. 2059, Herb. Univ. Nanking no. 7297, April 25, 1924 (shrub or bush 2 m. high); same locality, *R. C. Ching*, no. 2672, Herb. Univ. Nanking no. 7600, May 2, 1925; same locality, northern foot, alt. 360 m., *R. C. Ching*, no. 2765 (b), June 26, 1925.

The specimens cited differ from the type of the variety in the less pubescent leaves and the nearly glabrous ovary.

ADDITION

Page 126 under *Prunus perulata* add:

Chu hwa shan, alt. 800 m., *K. Ling*, no. 2065, Herb. Univ. Nanking no. 7298, April 25, 1924 (tree 13 m. tall, trunk 25 cm. diam.).



Rehder, Alfred and Wilson, Ernest Henry. 1927. "An Enumeration of the Ligneous Plants of Anhwel [cont.]." *Journal of the Arnold Arboretum* 8(3), 150–199. <https://doi.org/10.5962/p.318029>.

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