

CATALOGUE OF THE NAMES PUBLISHED BY
HECTOR LÉVEILLÉ: XVI

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ABSTRACT. The species described by Léveillé belonging to the families Euphorbiaceae, Urticaceae (including Moraceae and Cannabaceae), Juglandaceae and Myricaceae are evaluated. Other species described in, but not belonging to these families are also included.

INTRODUCTION

This paper follows the same format as those previously published and listed below*. The account for Euphorbiaceae was prepared and written by my colleague Mr D. McKean, and Dr D. K. Ferguson,** Department of Botany, University of Antwerp, collaborated with me on Juglandaceae.

Many of the specimens of Euphorbiaceae in Edinburgh had already been determined by L. Croizat in 1938 and those of *Ficus* by E. J. H. Corner in 1957.

EUPHORBIACEAE

- 1852. *Acalypha brachystachya*** Hornem., Hort. Bot. Hafn. 2: 909 (1815).
Nanocnide closii Lévl. & Van. in Bull. Soc. Bot. Fr. 51: cxliv (1904);
Lévl., Fl. Kouy-Tchéou 157 (1914), pro syn. sub *Acalypha australis* L.;
Lauener in Notes R.B.G. Edinb. 40: 501 (1983).

CHINA. Kweichow, environs de Tou-chan, ix 1899, *Cavalerie in herb.*
Bodnier 2732 (holo. *N. closii*, E).

- 1853. *Acalypha mairei*** (Lévl.) Schneider in Sarg., Pl. Wils. 3: 301 (1916);
Lévl., Cat. Pl. Yunnan 94 (1916); Pax & K. Hoffm. in Limpr., Bot. Reisen
Chine 448 (1922) & in Pflanzenr. 85: (IV. 147. XVII): 137 (1924);
Hand.-Mazz., Symb. Sin. 7: 215 (1931); Rehder in Journ. Arn. Arb. 14: 234
(1933).

Morus mairei Lévl. in Fedde, Rep. Sp. Nov. 13: 265 (1914).

CHINA. Yunnan, rochers de Ma-hong, 3000 m, arbuste, feuilles caduques,
vi 1912, *E. E. Maire* s.n. (syntype *M. mairei*, E); brousse derrière Mo-tsou
(fleuve Bleu), 800 m, arbuste, chatons blancs, v 1912, *E. E. Maire* s.n.
(syntype *M. mairei*, E).

* Part I, Notes R.B.G. Edinb. 23: 573-596 (1961); II, 24: 73-78 (1962); III, 26: 333-346
(1966); IV, 27: 1-10 (1966); V, 27: 265-292 (1967); VI, 30: 239-294 (1970); VII, 31: 397-435
(1972); VIII, 32: 93-116 (1972); IX, 34: 327-402 (1976); X, 35: 247-264 (1977); XI, 35:
265-279 (1977); XII, 37: 125-151 (1978); XIII, 38: 453-485 (1980); XIV, 40: 157-203 (1982);
XV, 40: 345-358 (1982).

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Andrachne cavaleriei Lévl. = *Lysimachia capillipes* Hemsl. var. *cavaleriei* (Lévl.) Hand.-Mazz. (Primulaceae).

Andrachne millietii Lévl. = *Lysimachia millietii* (Lévl.) Hand.-Mazz. (Primulaceae).

1854. *Antidesma microphyllum* Hemsl. in Journ. Linn. Soc. (Bot.) 26: 432 (1894); Gagnep. in Fl. Gén. Indo-Chine 5: 520 (1927); Hand.-Mazz., Symb. Sin. 7: 218 (1931); Rehder in Journ. Arn. Arb. 14: 232 (1933).

A. seguini Lévl. in Fedde, Rep. Sp. Nov. 9: 460 (1911) & Fl. Kouy-Tchéou 158 (1914); Pax & K. Hoffm. in Pflanzenr. 81 (IV. 147. XV): 166 (1922).

Myrica darrisii Lévl. in Fedde, Rep. Sp. Nov. 12: 537 (1913) & Fl. Kouy-Tchéou 281 (1915).

CHINA. Kweichow, district de Tchen-lin, bords du fleuve, à la cascade de Hoang-ko-chou, arbuste, 10 vi 1898, *Séguin in herb. Bodinier* 2348 (syntype *A. seguini*, E); fleuve Hoa-Kiang, fleur verte et fruits, arbrisseau, vi 1905, *Esquirol* 505 (syntype *A. seguini*, E); Tchai-choui-ho, fleur blanche, vii 1909, *Esquirol* 1586 (syntype *A. seguini*, E); route Mou-you-se à Hoang-ko-chou, 10 vi 1904, *Cavalerie* 2058 (holo. *M. darrisii*, E).

1855. *Bischofia polycarpa* (Lévl.) Airy Shaw in Kew Bull. 27: 271 (1972).

Celtis polycarpa Lévl. in Fedde, Rep. Sp. Nov. 11: 296 (1912) & Fl. Kouy-Tchéou 424 (1915); Lévl., China Rev. Ann. 28 (1916), pro syn. sub *B. sinensis* Bl.; Schneider in Sarg., Pl. Wils. 3: 275 (1916), pro syn. sub *B. javanica* Bl.; Rehder in Journ. Arn. Arb. 18: 213 (1937), pro syn. sub *B. javanica*.

CHINA. Kweichow, Gan-chouen (Choin-t'ang-tchiai), grande arbre, v & xii 1910, *Cavalerie* 3790 (holo. *C. polycarpa*, E).

1856. *Breynia disticha* Forst. f. f. *nivosa* (W. G. Sm.) Croiz. in Sargentia 1: 48 (1942); H. St. John in Phytologia 45: 290 (1980).

Phyllanthus nivosus W. G. Sm. in Flor. Mag. n.s. 13: t. 20 (1874); Sherff in Field. Mus. Nat. Hist. (Bot.) 17: 568 (1939).

P. sandwicensis Muell. Arg. var. *hypoglauca* Lévl. in Fedde, Rep. Sp. Nov. 10: 124 (1911).

HAWAIIAN (SANDWICH) ISLANDS. Hawaii, in sepibus Hilo, v 1909, *Faurie* 483 (typus *P. sandwicensis* var. *hypoglauca* — n.v.).

I am grateful to Professor St. John for giving me the place of publication of Croizat's combination.

Bridelia tristis (Lévl.) Lévl., Fl. Kouy-Tchéou 159 (1914) = *Rhamnus napalensis* (Wall.) M. A. Lawson (Rhamnaceae).

B. tristis (Syn. *Celastrus sinensis* Lévl.) should have been included in synonymy under *R. napalensis* in *Notes RBG Edinb.* 27: 279 (1967).

1857. *Buxus bodinieri* Lévl. in Fedde, Rep. Sp. Nov. 11: 549 (1913) & Fl. Kouy-Tchéou 160 (1914); Gagnep. in Fl. Gén. Indo-Chine 5: 662 (1927), pro syn. sub *B. wallichiana* Baill.; Rehder in Journ. Arn. Arb. 14: 236 (1933), pro syn. sub *B. microphylla* Sieb. & Zucc. var. *aemulans* Rehder & Wils.; Hatusima in Journ. Dept. Agric. Kyushu Imp. Univ. 6: 311 (1942).

CHINA. Kweichow, environs de Kouy-yang, du Collège, arbuste plus au moins grand, 25 ii 1898, *Bodinier* 2079 (holo. *B. bodinieri*, E).

1858. *Buxus cephalantha* Lévl. & Van. in Fedde, Rep. Sp. Nov. 3: 21 (1906); Lévl., Fl. Kouy-Tchéou 160 (1914), pro syn. sub *B. sempervirens* L. var. *microphylla* Sieb. & Zucc.; Hatusima in Journ. Dept. Agric. Kyushu Imp. Univ. 6: 316 (1942), sphalm. *cephalanthera*.

B. harlandii Hance var. *cephalantha* (Lévl. & Van.) Rehder in Journ. Arn. Arb. 14: 237 (1933).

CHINA. Kweichow, Pin-fa, rochers dans ou près ruisseaux, 25 viii 1904, *Cavalerie* 1797 (holo. E).

1859. *Buxus megistophylla* Lévl., Fl. Kouy-Tchéou 160 (1914) & Cat. Ill. Pl. Seu-Tchouen t. 26 (1918); Gagnep. in Fl. Gén. Indo-Chine 5: 661 (1927) in clavi; Rehder in Journ. Arn. Arb. 14: 236 (1937) & 18: 215 (1937).

CHINA. Kweichow, environs de Hoang-ko-chou, dans les rocaillies de la cascade, arbuste de 0–60 cm, fleurs blanches, 15 iii 1899, *Séguin* in herb. *Bodinier* 2607 (syntype E); Kiao-men, près Lo-fou, xii 1910, *Esquirol* 2560 (syntype E).

1860. *Buxus myrica* Lévl. in Fedde, Rep. Sp. Nov. 11: 549 (1913) & Fl. Kouy-Tchéou 160 (1914); Gagnep. in Fl. Gén. Indo-Chine 5: 662 (1927); Rehder in Journ. Arn. Arb. 14: 236 (1933) & 18: 215 (1927).

CHINA. Kweichow, Pin-fa, 8 iv 1907, *Cavalerie* 3198 (syntype E); Lo-hou, xii 1910, *Esquirol* 2566 (syntype E) — n.v.

1861. *Cleidocarpon cavaleriei* (Lévl.) Airy Shaw in Kew Bull. 19: 314 (1965); Anon in Acta Phytotax. Sin. 14 (2): 58 (1976).

Baccaurea cavaleriei Lévl., Fl. Kouy-Tchéou 159 (1914); Rehder in Journ. Arn. Arb. 14: 231 (1933).

CHINA. Kweichow, Lo-fou, iv 1907, *Cavalerie* 3299 (holo. E).

1862. *Croton tigilium* L., Sp. Pl. 1004 (1753); Hand.-Mazz., Symb. Sin. 7: 218 (1931); Rehder in Journ. Arn. Arb. 14: 232 (1933).

Alchornea vanioti Lévl., Cat. Pl. Yunnan 95 (1916).

CHINA. Yunnan, Tong tchouan, 1910, *E. E. Maire* s.n. (holo. *A. vanioti*, E).

Daphniphyllum cavaleriei Lévl. = *Nyssa sinensis* Oliver (Cornaceae).

1863. *Daphniphyllum oldhamii* (Hemsl.) Rosenth. in Pflanzenr. 68 (IV. 147a): 8 (1919); J. X. Wang in Acta Phytotax. Sin. 19: 80 (1981).

D. glaucescens Bl. var. *oldhamii* Hemsl. in Journ. Linn. Soc. (Bot.) 26: 429 (1894).

Webera marchandii Lévl. in Fedde, Rep. Sp. Nov. 13: 178 (1914) & Fl. Kouy-Tchéou 372 (1915); Rehder in Journ. Arn. Arb. 14: 234 (1933), pro syn. sub *D. macropodium* Miq.; T. L. Ming in Fl. Reipubl. Pop. Sin. 45(1): 2 (1980), pro syn. sub *D. macropodium*.

D. marchandii (Lévl.) Croizat & Metcalf in Lingn. Sci. Journ. 20: 117 (1941), p.p.

D. glaucescens Bl. subsp. *oldhamii* (Hemsl.) Huang in Taiwania 12: 176 (1966); Lauener in Notes R.B.G. Edinb. 32: 115 (1972).

CHINA. Kweichow, moulins de Tong-tchéou, 22 vi 1912, *Esquirol & Marchand* 3252 (holo. *W. marchandii*, E).

1864. *Discocleidion rufescens* (Franch.) Pax & K. Hoffm. in Pflanzenz. 63: (IV. 147. VII): 45, f. 6 (1914); Lév., Fl. Kouy-Tchéou 161 (1914), p.p excl. *Cavalerie* 2151; Rehder in Journ. Arn. Arb. 14: 234 (1933).

Mallotus cavaleriei Lév. in Fedde, Rep. Sp. Nov. 11: 296 (1912).

CHINA. Kweichow, Gan-chouen, vi 1910, *Cavalerie* 3825 (holo. *M. cavaleriei*, E).

Cavalerie 2151 is *Alchornea tiliifolia* (Benth.) Muell. Arg.

1865. *Euphorbia bupleuroides* Diels in Notes R.B.G. Edinb. 5: 218 (1912); Hand.-Mazz., Symb. Sin. 7: 228 (1931).

E. mairei Lév. in Fedde, Rep. Sp. Nov. 12: 286 (1913) & Cat. Pl. Yunnan 96 (1916).

CHINA. Yunnan, pâturages des mont. derrière Tong-tchouan, 2700 m, *Euphorbia* naine, isolée, tige unique peu élevée (10 cm), fl. jaunes, grandes, v 1912, *E. E. Maire* s.n. (holo. *E. mairei*, E).

1866. *Euphorbia chrysocoma* Lév. & Van. in Bull. Herb. Boiss. sér. 2, 6: 762 (1906); Lév., Fl. Kouy-Tchéou 162 (1914) & Cat. Pl. Yunnan 96 (1916); Hand.-Mazz., Symb. Sin. 7: 226 (1931).

CHINA. Kweichow, mont. de Lou-Tsong-Koan, bords des ruisseaux, belles bractées jaunes, 1 vi 1897, *Bodinier* 1615 (holo. E).

This species may only represent a narrow-leaved form of *E. sikkimensis* Hook. f.

1867. *Euphorbia cyanophylla* Lév. in Fedde, Rep. Sp. Nov. 12: 287 (1913) & Cat. Pl. Yunnan 96 (1916); Hand.-Mazz., Symb. Sin. 7: 226 (1931).

CHINA. Yunnan, pâturages de Pe-long-tsin, 3200 m, *Euphorbia* vivace, naine, feuil. veinées de bleu, fleur roussâtres, v 1912, *E. E. Maire* s.n. (syntype *E. cyanophylla*, E); haut plateau de Ta-hai-tse, 3200 m, *Euphorbia* vivace, naine, fleur roussâtres, v 1912, *E. E. Maire* s.n. (syntype *E. cyanophylla*, E).

The specimens cited above are immature and exact naming is difficult. However, as suggested by Croizat (in herb.) they may well be *E. griffithii* Hook. f.

1868. *Euphorbia esula* L., Sp. Pl. 461 (1753); Ohwi, Fl. Jap. (Engl. ed.) 594 (1965).

E. nakaiana Lév. in Fedde, Rep. Sp. Nov. 12: 183 (1913); Hara in Journ. Fac. Sci. Univ. Tokyo 6: 83 (1952).

Tithymalus nakaianus (Lév.) Hara, Enum. Sperm. Jap. 3: 54 (1954).

KOREA. Quelpaert in arenosis littoris Tpyoungmouni, v 1911, *Taquet* 5946 (holo. *E. nakaiana*, E).

1869. *Euphorbia griffithii* Hook. f., Fl. Brit. Ind. 5: 259 (1887).

E. erythrocoma Lévl. in Fedde, Rep. Sp. Nov. 12: 287 (1913) & Cat. Pl. Yunnan 96 (1916); Hand.-Mazz., Symb. Sin. 7: 227 (1931).

E. rubriflora Lévl. in Fedde, Rep. Sp. Nov. 12: 287 (1913) & Cat. Pl. Yunnan 97 (1916).

E. cruenta Lévl., Cat. Pl. Yunnan 96 (1916), nom. nud.

CHINA. Yunnan, pâturages, plateau de Ié-ma-tchouan, 3200 m, *Euphorbia* vivace, grande, fleur rouge d'ocre, vii 1912, *E. E. Maire* s.n. (holo. *E. erythrocoma*, E); forêts de Mo-tsou, 800 m, *Euphorbia* vivace, grande, fl. rouge sanguin, v 1912, *E. E. Maire* s.n. (holo. *E. rubriflora*, E).

The holotype sheet of *E. rubriflora* bears the name *E. cruenta* in Léveillé's hand.

1870. *Euphorbia hillebrandii* Lévl. in Fedde, Rep. Sp. Nov. 10: 151 (1911); Rock in Fedde, Rep. Sp. Nov. 13: 359 (1914), pro syn. sub *E. multiformis* Hook. & Arn.; Sherff in Ann. Missouri Bot. Gard. 25: 56 (1938); H. St. John in Phytologia 45: 290 (1980).

HAWAIIAN (SANDWICH) ISLANDS. Oahu, Kaala, xii 1909, *Faurie* 468 (typus — n.v.).

Euphorbia lucidissima Lévl. & Van. = *Canscora lucidissima* (Lévl. & Van.) Hand.-Mazz. (Gentianaceae). See also *Euphorbiopsis lucidissima* (Lévl. & Van.) Lévl.

1871. *Euphorbia lunulata* Bunge in Mém. Acad. Imp. Sci. St. Pétersb. 2: 133 (1833).

E. octoradiata Lévl. & Van. in Fedde, Rep. Sp. Nov. 5: 281 (1908).

E. takouensis Lévl. & Van. in Fedde, Rep. Sp. Nov. 5: 281 (1908).

Galarhaeus octoradiata (Lévl. & Van.) Nakai in Bull. Nat. Sci. Mus. Tokoyo 31: 70 (1952).

KOREA. Quelpaert in petrosis littoris, vii 1907, *Faurie* 1979 (holo. *E. octoradiata*, E); Taikou, in agris, 30 v 1906, *Faurie* 893 (holo. *E. taikouensis*, E).

1872. *Euphorbia multiformis* Hook. & Arn. in Bot. Beech. Voy. 95 (1832), s.l.

E. multiformis Hook. & Arn. var. *microphylla* Lévl. in Fedde, Rep. Sp. Nov. 10: 151 (1911) — non Boiss. in DC., Prodr. 15(2): 12 (1862).

HAWAIIAN (SANDWICH) ISLANDS. Oahu, Kaliki, Pali, x 1909, *Faurie* 462 (typus var. *microphylla* Lévl. — n.v.).

Léveillé was obviously not aware that his varietal epithet was antedated by Boissier.

In his paper on 'Hawaiian Euphorbiae' (*Ann. Missouri Bot. Gard.* 25: 48, 1938) Sherff cites many *Faurie* specimens but not *Faurie* 462. *Faurie* 469 from the same locality is cited under var. *microphylla* Boiss. It is possible that *Faurie* 462 belongs to another genus or family but in the absence of the type it is left here under *E. multiformis*.

1873. *Euphorbia oreophila* Miq., Analect. Bot. 3: 17 (1852).

E. bodinieri Lévl. & Van. in Bull. Herb. Boiss. sér. 2, 6: 761 (1906);
Lévl., Fl. Kouy-tchéou 162 (1914).

E. esquirolii Lévl. & Van. in Bull. Herb. Boiss. sér. 2, 6: 762 (1906);
Lévl., Fl. Kouy-Tchéou 162 (1914).

CHINA. Kweichow, entre Hin-y-hein et Hin-y-fou, bords d'un ruisseau, 13 iv 1897, *Bodinier* s.n. (holo. *E. bodinieri*, E); Pin-fa, col. du mont., 12 v 1902, *Cavalerie* 1321 (holo. *E. esquirolii*, E).

Material previously known in the Indian Floras as *E. rothiana* Spreng. has been treated as two other species by Sedgwick (*Journ. Bomb. Nat. His. Soc.* 26: 599, 1918), i.e. *E. laeta* Heyne and *E. oreophila*. Both Lévillé types were identified as *E. rothiana* by Croizat; they differ somewhat from typical *E. oreophila* by the more obtuse leaves.

1874. *Euphorbia pekinensis* Boiss. var. *fauriei* (Lévl. & Van.) Hurusawa in Journ. Jap. Bot. 16: 638 (1940).

E. fauriei Lévl. & Van. in Fedde, Rep. Sp. Nov. 5: 281 (1908).

E. fauriei Lévl. & Van. var. *filiformis* Lévl. in Fedde, Rep. Sp. Nov. 5: 281 (1908).

Galarhaeus fauriei (Lévl. & Van.) Nakai in Bull. Nat. Sci. Mus. Tokyo 31: 69 (1952).

KOREA. Hallaisan, 2000 m, rara, vii 1907, *Faurie* 1978 (holo. *E. fauriei*, E); ibid. 1800 m, x 1907, *Taquet* 370 (holo. var. *filiformis*, E).

1875. *Euphorbia pilosa* L., Sp. Pl. 460 (1753).

E. cavaleriei Lévl. & Van. in Bull. Herb. Boiss. sér. 2, 6: 762 (1906);
Lévl., Fl. Kouy-Tchéou 162 (1914).

E. labbei Lévl. in Fedde, Rep. Sp. Nov. 12: 537 (1913) & Fl. Kouy-Tchéou 162 (1914).

CHINA. Kweichow, route de Tsin-tchen à Gan-pin, 8 v 1904, *Cavalerie* 2141 (holo. *E. cavaleriei*, E); route de Hin-y-fou à Gan-chouen, vi 1912, *Cavalerie* 3956 (holo. *E. labbei*, E).

Both Lévillé's species differ to quite an extent from European material of *E. pilosa* as well as from each other. However, I follow Hooker's view (*Fl. Brit. Ind.* 5: 261, 1887) that *E. pilosa* is a wide ranging species of considerable variation.

1876. *Euphorbia prolifera* Buch.-Ham. in D. Don, Prodr. Fl. Nep. 62 (1825); Hand-Mazz., Symb. Sin. 7: 232 (1931).

E. pinus Lévl. in Fedde, Rep. Sp. Nov. 11: 296 (1912) & Fl. Kouy-Tchéou 162 (1914).

CHINA. Kweichow, Tin-lan, montagnes, 1550 m, 5 vi 1910, *Cavalerie* 3779 (holo. *E. pinus*, E).

1877. *Euphorbia regina* Lévl. in Bull. Acad. Géog. Bot. 24: 145 (1914) & Cat. Pl. Yunnan 97 (1916).

CHINA. Yunnan, à mi-mont derrière Tong-tchouan, 2600 m, Euphorbiacée vivace, grosse racine charnue, toute la plante est jaune teintée de rose, fl. vert jaunâtre, viii 1912, *E. E. Maire* s.n. (holo. *E. regina*, E).

This species resembles Yunnan forms of *E. sikkimensis* Boiss. except that it has a longer and more branched inflorescence.

1878. *Euphorbia sieboldiana* Morr. & Decne. in Bull. Acad. Brux. 3: 174 (1836); Hurusawa in Journ. Jap. Bot. 16: 447 (1940); Ohwi, Fl. Jap. (Engl. ed.) 594 (1965).

E. taquetii Lévl. & Van. in Fedde, Rep. Sp. Nov. 5: 281 (1908).

Galarhaeus sieboldianus (Morr. & Decne.) Hara var. *montanus* (Tatewaki) Hara in Journ. Jap. Bot. 11: 388 (1935).

KOREA. Quelpaert in silvis, vii 1907, *Faurie* 1980 (holo. *E. taquetii*, E).

1879. *Euphorbia sikkimensis* Boiss. in DC., Prodr. 15 (2): 113 (1862).

E. chrysocoma Lévl. & Van. var. *glaucophylla* Lévl. & Van. in Bull. Herb. Boiss. sér. 2, 6: 762 (1906); Lévl., Cat. Pl. Yunnan 96 (1916); Hand-Mazz., Symb. Sin. 7: 226 (1931).

CHINA. Yunnan, environs de Yunnan-sen, My-tsaio, Te-tse-tsen, bord des torrents de la mont. et plaine, iii 1897, *Duclox* 118 (holo. *E. chrysocoma* var. *glaucophylla*, E).

1880. *Euphorbia wallichii* Hook. f., Fl. Brit. Ind. 5: 258 (1887).

E. duclouxii Lévl. & Van. in Fedde, Rep. Sp. Nov. 6: 113 (1908); Lévl., Cat. Pl. Yunnan 96 (1916).

CHINA. Yunnan, sommet du mont. Tchong Chan, 19 vii 1905, *Duclox* 310 (holo. *E. duclouxii*, E).

Euphorbiopsis lucidissima (Lévl. & Van.) Lévl. = *Canscora lucidissima* (Lévl. & Van.) Hand.-Mazz. (Gentianaceae).

Glochidion cavaleriei Lévl. = *Illicium majus* Hook. f. & Thoms. (Illiciaceae).

1881. *Glochidion eriocarpum* Champ. in Hook., Journ. Bot. & Kew Garden Misc. 6: 6 (1854); Croiz. in Journ. Arn. Arb. 21: 493 (1940); Airy Shaw in Kew Bull. 26: 274 (1972).

G. villicaule Hook. f., Fl. Brit. Ind. 5: 326 (1887); Rehder in Journ. Arn. Arb. 14: 231 (1933).

G. esquirolii Lévl. in Fedde, Rep. Sp. Nov. 12: 186 (1913) & Fl. Kouy-Tchéou 163 (1914).

CHINA. Kweichow, Ouang-mou, fleurs jaune, vi 1904, *Esquirol* 714 (holo. *G. esquirolii*, E).

1882. *Glochidion puberum* (L.) Hutch. in Sarg., Pl. Wils. 2: 518 (1916); Rehder in Journ. Arn. Arb. 14: 231 (1933); Hara in Enum. Sperm. Jap. 3: 47 (1954).

G. bodinieri Lévl. in Fedde, Rep. Sp. Nov. 12: 183 (1913), Fl. Kouy-Tchéou 163 (1914) & Cat. Pl. Yunnan 97 (1916).

CHINA. Kweichow, mont. du collège (Kouy-Yang), arbuste de 1 m environs, très branchu, revers des feuilles glauque, fruits, 21 vii 1897, fl. 9 vi 1898, *Bodinier* 2307 (holo. *G. bodinieri*, E).

Glochidion vanioti Lévl. = *Orixa japonica* Thunb. (Rutaceae).

1883. *Leptopus chinensis* (Bunge) Pojark. in Not. Syst. Herb. Inst. Bot. Sci. URSS 20: 274 (1960); P.T. Li in Notes R.B.G. Edinb. 40: 472 (1983).

Andrachne chinensis Bunge in Mém. Acad. Imp. Sci. St. Pétersb. 2: 133 (1833).

A. bodinieri Lév. in Fedde, Rep. Sp. Nov. 12: 187 (1913) & Fl. Kouy-Tchéou 158 (1914), p.p. excl. *Cavalerie* 3159; Rehder in Journ. Arn. Arb. 14: 229 (1933).

CHINA. Kweichow, Mont. de Lou-Tsong-Koan, petit arbuste, dans les rocailles, les talus pierreux, peu commun (item. Bord de la plaine de Tou-chan, 16 vii 1897, *Cavalerie*), 12 vii 1897, *Bodinieri* 1662 (holo. *A. bodinieri*, E).

Cavalerie 3159 is *L. esquirolii* (Lév.) P.T. Li.

1884. *Leptopus esquirolii* (Lév.) P.T. Li in Notes R.B.G. Edinb. 40: 471 (1983).

Andrachne esquirolii Lév. in Fedde, Rep. Sp. Nov. 9: 327 (1911) & Fl. Kouy-Tchéou 158 (1914); Rehder in Journ. Arn. Arb. 14: 229 (1933) & 18: 212 (1937).

A. hypoglaucula Lév. in Fedde, Rep. Sp. Nov. 12: 187 (1913) & Fl. Kouy-Tchéou 158 (1914).

A. persicariifolia Lév. in Fedde, Rep. Sp. Nov. 12: 187 (1913).

CHINA. Kweichow, sine loc., *Esquirol* 110 (holo. *A. esquirolii*, E); bords de la plaine de Tou-chan, 16 vii 1897, *Cavalerie* s.n. (holo. *A. hypoglaucula*, E); environs de Kouy-yang, bois de la pagode de Kien-lin-chan, dans les rocailles (Item. au Ke-ma-tong, 20 vii 1897, *Bodinier* 1695 (holo. *A. persicariifolia*, E).

1885. *Macaranga esquirolii* (Lév.) Rehder in Journ. Arn. Arb. 18: 214 (1937); Lauener in Notes R.B.G. Edinb. 32: 110 (1972).

Morinda esquirolii Lév., Fl. Kouy-Tchéou 368 (1915).

CHINA. Kweichow, bois de Ta-ram, arbrisseau, viii 1912, *Esquirol* 3735 (holo. E).

1886. *Mallotus barbatus* Muell. Arg. in Linnaea 4: 184 (1865); Croizat in Journ. Arn. Arb. 19: 134 (1938).

M. leveilleanus Fedde in Fedde, Rep. Sp. Nov. 10: 144 (1912); Pax & K. Hoffm. in Pflanzenr. 63: (IV. 147. VII): 165 (1914); Lév., Fl. Kouy-Tchéou 165 (1914) sphalm "leveillei"; Rehder in Journ. Arn. Arb. 14: 232 (1933).

M. esquirolii Lév. in Fedde, Rep. Sp. Nov. 9: 461 (1911) — non Lév. 9: 327 (1911).

CHINA. Kweichow, Ouang-Mou, arbrisseau, vi 1904, *Esquirol* 120 (holo. *M. esquirolii*, E).

1887. *Mallotus esquirolii* Lév. in Fedde, Rep. Sp. Nov. 9: 327 (1911) & Fl. Kouy-Tchéou 165 (1914), p.p.; Pax & K. Hoffm. in Pflanzenr. 63: (IV. 147. VII): 196 (1914); Rehder in Journ. Arn. Arb. 14: 233 (1933) excl. *Cavalerie* 3114, & 18: 213 (1937) — non *M. esquirolii* Lév. 9: 461 (1911).

CHINA. Kweichow, sine loc., *Esquirol* 898 ♂ (syntype *M. esquirolii*, E); (?) Pe-tung, arbrisseau, 2 m, *Esquirol* 898 ♀ (syntype *M. esquirolii*, E).

The specimens of *M. esquirolii* also match fairly well with Yunnanese specimens of *M. khasianus* Hook. and these two species may well be conspecific.

1888. *Mallotus kweichowensis* Lauener & W. T. Wang in Notes R.B.G. Edinb. 38: 487, f. 1 (1980); Lauener in Notes R.B.G. Edinb. 40: 193 (1982).

Phytolacca esquirolii Lév., Fl. Kouy-Tchéou 313 (1915), — non *Mallotus esquirolii* (1911).

CHINA. Kweichow, rochers de L'ao t'eng, fleur jaunâtre, 20 v 1904, *Esquirol* 45 (holo. E, iso. PE).

1889. *Mallotus millietii* Lév., Fl. Kouy-Tchéou 165 (1914); Rehder in Journ. Arn. Arb. 14: 233 (1933); Croizat in Journ. Arn. Arb. 19: 147 (1938).

CHINA. Kweichow, route de Gan-Chouen à Hin-y-fou, vii 1912, *Cavalerie* 3967 (holo. E).

Mallotus neo-cavaleriei Lév. = ***Deeringia amaranthoides*** (Lam.) Merrill (Amaranthaceae).

1890. *Mallotus philippinensis* (Lam.) Muell. Arg. in Linnaea 34: 196 (1865); Rehder in Journ. Arn. Arb. 14: 233 (1933).

Croton philippinensis (philippense) Lam., Encycl. Meth. 2: 206 (1786).

Euonymus hypoleuca Lév. in Fedde, Rep. Sp. Nov. 13: 260 (1914); Lév., Fl. Kouy-Tchéou 166 (1914), pro syn. sub *Phyllanthodendron* sp.

CHINA. Kweichow, Lo-fou, 4 iv 1906, *Cavalerie* 2733 (holo. *E. hypoleuca*, E).

1891. *Pachysandra stylosa* Dunn var. ***kouytchensis*** (Lév.) Robbins in Sida 3: 239 (1968).

P. axillaris Forbes & Hemsl. var. *kouytchensis* Lév., Fl. Kouy-Tchéou 166 (1914); Hand.-Mazz., Symb. Sin. 7: 236 (1931), pro syn. sub *P. stylosa*; Rehder in Journ. Arn. Arb. 14: 235 (1933), pro syn. sub *P. stylosa*.

CHINA. Kweichow, Tsin-gay, feuilles molles, peu ou pas dentées, fleurs mâles plus nombreuses, *Bodinier* s.n. (holo. *P. axillaris* var. *kouytchensis*, E).

1892. *Pachysandra stylosa* Dunn var. ***tricarpa*** (Hayata) Robbins in Sida 3: 241 (1968).

P. axillaris Franch. var. *tricarpa* Hayata, Ic. Pl. Formosa 3: 171 f. 23 (1913).

P. bodinieri Lév. in Fedde, Rep. Sp. Nov. 12: 187 (1913); Hand.-Mazz., Symb. Sin. 7: 236 (1931), pro syn. sub *P. stylosa*; Rehder in Journ. Arn. Arb. 14: 235 (1933), pro syn. sub *P. stylosa*; M. Cheng in Fl. Reipubl. Pop. Sin. 45 (1): 59 (1980), pro syn. sub *P. axillaris* var. *stylosa* (Dunn) Cheng.

CHINA. Yunnan, mont. entre Ma Kay et Se tchong hien, à Tien sen Kiao, rochers à l'entrée du Tien Sen Kiao, 5 iv 1897, *Bodinier* 1525 (holo. *P. bodinieri*, E).

Léveillé cited the month of collection of the holotype as August but the label clearly states April.

1893. *Phyllanthodendron dunnianum* Lévl. in Fedde, Rep. Sp. Nov. 9: 324 (1911) & Fl. Kouy-Tchéou 166 (1914); Hand.-Mazz., Symb. Sin. 7: 224 (1931).

Phyllanthodendron dunnianum Lévl. var. *hypoglauca* Lévl., Fl. Kouy-Tchéou 166 (1914).

Phyllanthodendron cavaleriei Lévl. in Fedde, Rep. Sp. Nov. 9: 454 (1911) & Fl. Kouy-Tchéou 166 (1914).

Phyllanthus dunnianus (Lévl.) Hand.-Mazz. ex Rehder in Journ. Arn. Arb. 14: 230 (1933).

CHINA. Kweichow, Lo-fou, bois, fleurs vertes, xi 1905, *Cavalerie* 2659 (holo. *P. dunnianum*, E); Oto, près Lo-fou, verte-arbrisseau, iv 1907, *Cavalerie* 3284 (holo. *P. cavaleriei*, E); Lo-fou, verte, août et mars 1909, *Cavalerie* 3500 (holo. *P. dunnianum* var. *hypoleuca*, E).

1894. *Phyllanthus bodinieri* (Lévl.) Rehder in Journ. Arn. Arb. 18: 212 (1937); Croiz. in Journ. Jap. Bot. 16: 654 (1940); Lauener in Notes R.B.G. Edinb. 27: 9 (1966).

Sterculia bodinieri Lévl., Fl. Kouy-Tchéou 406 (1915); Rehder in Journ. Arn. Arb. 14: 231 (1933), pro syn. sub *Phyllanthus* sp.

CHINA. Kweichow, environs de Hoang ko chow, à la grande cascade, au bord de l'eau, arbuste à fleurs rougeâtres, iv 1898, *Séguin in herb. Bodinier* 2194 (holo. E).

1895. *Phyllanthus emblica* L., Sp. Pl. 982 (1753); Rehder in Journ. Arn. Arb. 14: 230 (1933).

P. mairei Lévl. in Bull. Acad. Géog. Bot. 25: 23 (1915) & Cat. Pl. Yunnan 97 (1916).

CHINA. Yunnan, rives du fleuve à Siao-ho, 400 m, arbuste toujours vert, fleurs jaunes sur les aisselles des folioles, fruits vert acides en forme de cerise, iv 1912, *E. E. Maire* s.n. (holo. *P. mairei*, E).

1896. *Phyllanthus franchetianus* Lévl. in Bull. Acad. Géog. Bot. 25: 23 (1915) & Cat. Pl. Yunnan 97 (1916); W. W. Sm. in Notes R.B.G. Edinb. 13: 176 (1921); Croiz. in Journ. Jap. Bot. 16: 654 (1940); Rehder in Journ. Arn. Arb. 14: 230 (1933).

CHINA. Yunnan, rives du fleuve Bleu à Siao-ho, 400 m, arbuste à feuilles caduques-buissonnant, haut 1.20 m, fleur rougeâtes sur le pourtour des feuilles, drupes vertes, acidulées en forme de cerises, v 1912, *E. E. Maire* s.n. (holo. E).

According to Rehder this species resembles *P. pulcher* [Wall. ex] Muell. Arg. It is also very close to *P. parvifolius* [Buch.-Ham. ex] D. Don.

1897. *Sapium rojasii* Lévl. in Bull. Acad. Géog. Bot. 28: 162 (1918).

This is the only species described by Léveillé in a paper by N. Rojas Acosta entitled 'Addenda ad Floram regionis Chaco Australis' (Argentina). No specimen was cited.

1898. *Sapium rotundifolium* Hemsl. in Journ. Linn. Soc. (Bot.) 26: 445 (1894); Rehder in Journ. Arn. Arb. 14: 234 (1933); S. Lee in Acta Phytotax. Sin. 5: 120 (1956).

Baccaurea esquirolii Lév., Fl. Kouy-Tchéou 159 (1914).

CHINA. Kweichow, Mou-you-se, fl. jau., arbre, vi 1904, *Cavalerie* 2137 (13 sphalm) (syntype *B. esquirolii*, E); Lo-fou, x 1908, *Cavalerie* 3458 (syntype *B. esquirolii*, E); sine loc., fruit de l'arbre dont récolté les fleurs ailleurs, vi 1905, *Esquirol* 517 (syntype *B. esquirolii*, E).

1899. *Sarcococca hookeriana* Baill. var. *humilis* Rehder & Wils. in Sarg., Pl. Wils. 2: 164 (1914); Rehder in Journ. Arn. Arb. 14: 235 (1933); Lauener in Notes R.B.G. Edinb. 35: 272 (1977).

Maesa sp.; Lév., Fl. Kouy-Tchéou 287 (1915).

Myrsine chevalieri Lév., Fl. Kouy-Tchéou 287 (1915).

Pachysandra mairei Lév., Cat. Pl. Yunnan 97, f. 23 (1916); Hand.-Mazz., Symb. Sin. 7: 235 (1931), pro syn. sub *S. hookeriana* var. *digyna* Franch.

CHINA. Kweichow, enfoncements de Ouan-ly près Thou-ly, ii 1911, *Esquirol* 2593 (holo. *M. chevalieri*, E). Yunnan, au pied des roches-collines arides, est de Tong-tchouan, 2600 m, arbrisseau toujours vert, en touffes, fleurs blanches, fruits noirs, iii 1912, *E. E. Maire* s.n. (holo. *P. mairei*, E).

1900. *Securinea suffruticosa* (Pall.) Rehder in Journ. Arn. Arb. 13: 338 (1932) & 14: 229 (1933).

Phyllanthus argyi Lév. in Mem. Real Acad. Ci. Artes Barcelona ser. 3, 12: 550 (1916).

CHINA. Kiangsu, Suo-se, fruits, arbrisseau, *d'Argy* s.n. (holo. *P. argyi*, E).

1901. *Speranskia cantonensis* (Hance) Pax & K. Hoffm. in Pflanzenr. 57 (IV. 147. VI): 15 (1912); Lév., Fl. Kouy-Tchéou 167 (1914) sphalm. *tonkinensis*; Rehder in Journ. Arn. Arb. 14: 232 (1933).

Argyrothamnia cantonensis Hance in Journ. Bot. 16: 14 (1878).

Mercurialis acanthocarpa Lév. in Fedde, Rep. Sp. Nov. 3: 21 (1906).

CHINA. Kweichow, Pin-fa, près d'une rivière, rare, 19 xii 1903, *Cavalerie* 1585 (holo. *M. acanthocarpa*, E).

1902. *Tragia involucrata* L., Sp. Pl. 980 (1753); Hand.-Mazz., Symb. Sin. 7: 218 (1931); Rehder in Journ. Arn. Arb. 14: 234 (1933).

Alchornea mairei Lév., Cat. Pl. Yunnan 94 (1916).

Tragia mairei (Lév.) Rehder in Journ. Arn. Arb. 18: 214 (1937).

CHINA. Yunnan, vallon de You-fang-Keou, 800 m, *Urtica* vivace, grimpante, fleurs vertes, vii 1911, *E. E. Maire* s.n. (holo. *A. mairei*, E).

Rehder maintained *T. mairei* (l.c. 18: 214, 1951) on account of its simple calyx lobes and small leaves but the Maire type is certainly an immature specimen, and several floras indicate the great variability of *T. involucrata* including, e.g. an entire to lacinate calyx.

Cenemon mairei Gagnep. (*Bull. Soc. Bot. Fr.* 71: 868, 1924) is described from a Maire specimen also from You-fang-Keou and this may be an isotype of *Alchornea mairei*.

REFERENCES FOR EUPHORBIACEAE

- CROIZAT, L. (1938). Notes on Chinese Euphorbiaceae. *Journ. Arn. Arb.* 19: 134–148.
 — (1940). Notes on new and critical far eastern *Phyllanthus*. *Journ. Jap. Bot.* 16: 646–658.
 HATUSIMA, S. (1942). A revision of the Asiatic *Buxus*. *Journ. Dept. Agric. Kyushu Imp. Univ.* 6(6): 261–342, t. 16–27.
 HUANG, T. C. (1966). Monograph of *Daphniphyllum*. *Taiwania* 11: 57–98 (1965) & 12: 137–234 (1966).
 LÉVEILLÉ, H. (1906). Les *Euphorbia* chinois. *Bull. Herb. Boiss. sér. 2*, 6: 759–764.
 POJARKOVA, A. (1960). Incrementa ad monographiam Generum *Andrachne* L., et *Leptopus* Decne. *Not. Syst. Herb. Inst. Bot. Acad. Sci. URSS* 20: 251–274.
 ROBBINS, H. C. (1968). The Genus *Pachysandra* (Buxaceae). *Sida* 3: 211–248.

URTICACEAE

(incl. MORACEAE & CANNABACEAE)

Boehmeria amarantus Lévl. = *Acroglochin persicarioides* (Poir.) Moq. (Chenopodiaceae).

1903. *Boehmeria blinii* Lévl. in Fedde, Rep. Sp. Nov. 11: 551 (1913) & Fl. Kouy-Tchéou 422 (1915); Hand.-Mazz., Symb. Sin. 7: 150 (1929); W. T. Wang in Acta Bot. Yunnan. 3(3): 322 (1981).

CHINA. Kweichow, Po-tchang, Po-kouan, arbrisseau, fl. jaune clair, viii 1906, *Esquirol* 940 (holo. E).

Handel-Mazzetti determined *Esquirol* 940 as *B. zollingeriana* Wedd. but in *Symbolae Sinicae* he retained *B. blinii* as a separate species.

1904. *Boehmeria clidemioides* Miq. var. *diffusa* (Wedd.) Hand.-Mazz., Symb. Sin. 7: 152 (1929); W. T. Wang in Acta Bot. Yunnan. 3(3): 324 (1981).

B. diffusa Wedd. in Arch. Mus. Hist. Nat. Paris 8: 356 (1855–56).

B. maugereti Lévl. & Van. in Bull. Soc. Bot. Fr. 51: cxliv (1904); Lévl., Fl. Kouy-Tchéou 423 (1915), p.p. quoad typus.

CHINA. Kweichow, mont. du Collège, bord des ruisseaux, haies humides, 21 vii 1897, *Bodinier* 1715 (holo. *B. maugereti*, E).

Esquirol 3734 cited under *B. maugereti* in *Flore du Kouy-Tchéou* is *B. platyphylla* D. Don.

1905. *Celtis biondii* Pamp. var. *cavaleriei* (Lévl.) Schneider in Sarg., Pl. Wils. 3: 273 (1916); Lévl., Cat. Pl. Yunnan 274 (1917); Rehder in Journ. Arn. Arb. 10: 123 (1929).

C. cavaleriei Lévl. in Fedde, Rep. Sp. Nov. 10: 440 (1912) & Fl. Kouy-Tchéou 424 (1915).

CHINA. Kweichow, Pin-fa, arbre, 4 ix 1902, *Cavalerie* 394 (holo. E).

1906. *Celtis biondii* Pamp. var. *heterophylla* (Lévl.) Schneider in Sarg., Pl. Wils. 3: 282 (1916); Rehder in Journ. Arn. Arb. 10: 123 (1929), 18: 255 (1937).

C. bungeana Bl. var. *heterophylla* Lévl. in Fedde, Rep. Sp. Nov. 10: 476 (1912).

C. leveillei Nakai var. *heterophylla* (Lévl.) Nakai in Journ. Arn. Arb. 5: 74 (1924); Ling in Acta Phytotax. Sin. 1: 201 (1951); Kitamura in Acta Phytotax. Geobot. 26: 8 (1974), pro syn. sub *C. biondii*.

KOREA. Quelpaert in pago Tjy Yang Maui (fide Nakai), Tupyangenapi — (fide Léveillé), viii 1909, *Taquet* 3213 (holo. E).

1907. *Celtis bungeana* Bl., Mus. Bot. Lugd.-Bat. 2: 71 (1856); Schneider in Sarg., Pl. Wils. 3: 269 (1916); Lévl., Cat. Pl. Yunnan 274 (1917); Rehder in Journ. Arn. Arb. 10: 122 (1929).

C. mairei Lévl. in Fedde, Rep. Sp. Nov. 13: 264 (1914).

CHINA. Yunnan, Tong-tchouan, plaine près Long Tan, 2500 m, micocoulier, gros arbre, variété à petites feuilles, viii 1912, *E. E. Maire* s.n. (holo. *C. mairei*, E).

Celtis polycarpa Lévl. = *Bischofia polycarpa* (Lévl.) Airy-Shaw (Euphorbiaceae).

1908. *Celtis tetrandra* Roxb. subsp. *sinensis* (Pers.) Y. C. Tang in Acta Phytotax. Sin. 17 (1): 51 (1979).

C. sinensis Pers., Syn. 1: 292 (1805).

C. bodinieri Lévl. in Fedde, Rep. Sp. Nov. 13: 265 (1914), Fl. Kouy-Tchéou 424 (1915) & Cat. Pl. Yunnan 274 (1917); Schneider in Sarg., Pl. Wils. 3: 276 (1916); Rehder in Journ. Arn. Arb. 10: 122 (1929).

CHINA. Kweichow, Kouy-yang-fan, jardin du Pe-tang, très grand arbre, commun aux environs de la ville, les chinois l'appellent 'Cha-tang', 10 vi 1897, *Bodinier* 1633 (syntype *C. bodinieri*, E); environs de Kouy-yang, bois de la pagode Lan yo chan, grand arbre, fleurs du no. 1633, 10 iv 1899, *Bodinier* 2587 (syntype *C. bodinieri*, E).

Schneider and Rehder maintained *C. bodinieri* as a distinct species. In 1928 Handel-Mazzetti attached a note to *Bodinier* 2587 stating that he thought that *Bodinier* 2587 and *B.* 1633 'cannot be the same plant, for it has largely serrulate leaves and yet in the young state a different and much scarcer indument. It probably belongs to *C. sinensis* Pers.'. In 1971, however, Soepadmo determined *Bodinier* 1633 as *C. sinensis* Pers.

As the situation obviously requires detailed investigation they are both included here under *C. tetrandra* ssp. *sinensis*.

Cudrania bodinieri Lévl. = *Capparis cantoniensis* Lour. (Capparaceae).

1909. *Cudrania tricuspidata* (Carr.) Bur. in Lavallée, Enum. Arb. Segrez.

243 (1877); Schneider in Sarg., Pl. Wils. 3: 306 (1916); Rehder in Journ. Arn. Arb. 18: 275 (1937).

Maclura tricuspidata Carr. in Rev. Hort. 390, f. 37 (1864).

Vanieria tricuspidata (Carr.) Hu in Journ. Arn. Arb. 5: 228 (1924); Rehder in op. cit. 17: 72 (1936).

Morus integrifolia Lévl. in Bull. Acad. Géog. Bot. 17. n. 210-211, p. III (1907).

CHINA. Hopei, Tchao-Tchao, cimetières, rare, fruit rouge à la maturité, 25 vi 1905, Chagnet 49 (holo. *M. integrifolia*, E).

1910. *Elatostema cuspidatum* Wight, Ic. Pl. Ind. Or. 6: 11, t. 1983 (1853); W. T. Wang in Bull. Bot. Lab. N.E. For. Inst. 7: 69 (1980).

E. sessile J. R. & G. Forst. var. *cuspidatum* (Wight) Wedd. in DC., Prodr. 16(1): 173 (1869); Hand-Mazz., Symb. Sin. 7: 145 (1929).

E. bodinieri Lévl. in Fedde, Rep. Sp. Nov. 11: 551 (1913) & Fl. Kouy-Tchéou 425 (1915).

CHINA. Kweichow, environs de Gan-pin, fond d'une grotte humide, 24 ix 1897, Martin in herb. Bodinier 1903 (holo. *E. bodinieri* — n.v.).

1911. *Elatostema monandrum* (Buch.-Ham. ex D. Don) Hara in Univ. Mus. Univ. Tokyo Bull. 8: 21 (1975); W. T. Wang in Bull. Bot. Lab. N.E. For. Inst. 7: 37 (1980).

Procris monandra (Buch.-Ham. ex) D. Don, Prodr. Fl. Nep. 61 (1825).

E. surculosum Wight var. *elegans* Hook. f., Fl. Brit. Ind. 5: 573 (1888); Hand-Mazz., Symb. Sin. 7: 149 (1929).

Pellionia mairei Lévl. in Le Monde des Pl. 18: 28 (1916).

Elatostema mairei Lévl. in Cat. Pl. Yunnan 275 (1917), nom. nud. in syn.

CHINA. Yunnan, rochers, moussus des montages à Tong-tchouan, 2700 m, vi 1912, E. E. Maire s.n. (holo. *P. mairei* — n.v.).

The holotype is lost.*

1912. *Elatostema myrtilus* (Lévl.) Hand.-Mazz., Symb. Sin. 7: 146 (1929); W. T. Wang in Bull. Bot. Lab. N.E. For. Inst. 7: 43 (1980).

Pellionia myrtilus Lévl. in Fedde, Rep. Sp. Nov. 11: 552 (1913) & Fl. Kouy-Tchéou 435 (1915); Schröter in Fedde, Rep. Beih. 83(2): 159 (1936).

CHINA. Kweichow, environs de Gan-pin, croissant sur les rochers, 29 ix 1897, Bodinier 1548 (syntype — n.v.); Pin-fa, collines de Si-Hieou-Gai, dans une crevasse, 29 ix 1902, Cavalerie 559 (syntype — n.v.); Kan-Yen-Tong, Esquirol 698 (syntype — n.v.).

All syntypes are lost.

1913. *Elatostema oblongifolium* [Fu ex] W. T. Wang in Bull. Bot. Lab. N.E. For. Inst. 7: 26 (1980).

E. bodinieri (Lévl.) Hand.-Mazz., Symb. Sin. 7: 144 (1929) — non *E. bodinieri* Lévl. (1913).

* 64 specimens of *Elatostema* were sent on loan to Germany from E in 1934. They could not be found after the war and must be presumed lost.

Pellionia bodinieri Lév. in Fedde, Rep. Sp. Nov. 11: 551 (1913) & Fl. Kouy-Tchéou 434 (1915).

CHINA. Kweichow, environs de Gan-pin, croissant dans les trous entre les rochers, 29 iv 1897, *Bodinier* 1547 (syntype *P. bodinieri* — n.v.); Ou-La-Gay (Tchen Lin), dans une caverne, 9 iv 1898, *Séguin* s.n. (syntype *P. bodinieri* — n.v.).

The syntypes are lost.

1914. *Elatostema parvum* (Bl.) Miq. in Zoll., Syst. Verz. Ind. Archip. 102 (1854); Schröter in Fedde, Rep. Beih. 83(2): 156 (1936); W. T. Wang in Bull. Bot. Lab. N.E. For. Inst. 7: 35 (1980).

Procris prava Bl., Bijdr. 512 (1826).

Pellionia esquirolii Lév. in Fedde, Rep. Sp. Nov. 11: 551 (1913) & Fl. Kouy-Tchéou 435 (1915); Hand.-Mazz., Symb. Sin. 7: 146 (1929), pro syn. sub *E. stracheyanum* Wedd.

CHINA. Kweichow, sine loc., lieux très humides et très frais, 10 v 1906, *Esquirol* s.n. (holo. *P. esquirolii*, E).

1915. *Elatostema piluliferum* Lév. in Fedde, Rep. Sp. Nov. 11: 296 (1912) & Fl. Kouy-Tchéou 425 (1915); Hand.-Mazz., Symb. Sin. 7: 145 (1929), pro syn. sub *E. sessile* J. R. & G. Forst. var. *hispidula* Hook. f.; W. T. Wang in Bull. Bot. Lab. N.E. For. Inst. 7: 90 (1980).

CHINA. Kweichow, sine loc., 17 iii 1903, *Cavalerie* 905 (holo. — n.v.).

The holotype is lost. Handel-Mazzetti placed Lévillé's species under *E. sessile* var. *hispidula* but *E. sessile* does not occur in China (W. T. Wang, pers. com.).

1916. *Ficus abelii* Miq., Ann. Mus. Bot. Lugd.-Bat. 3: 281 (1867-8); Rehder in Journ. Arn. Arb. 17: 81 (1936); Corner in Gard. Bull. Sing. 21: 43 (1965).

F. schinzii Lév. in Fedde, Rep. Sp. Nov. 8: 550 (1910) & Fl. Kouy-Tchéou 433 (1915); Rehder in Journ. Arn. Arb. 10: 131 (1929).

CHINA. Kweichow, Lo-fou, iv 1909, *Cavalerie* 3592 (holo. *F. schinzii*, E).

1917. *Ficus auriculata* Lour., Fl. Cochinch. 2: 666 (1790); Corner in Gard. Bull. Sing. 21: 82 (1965).

F. roxburghii [Wall. ex] Miq. in Hook., London Journ. Bot. 7: 456 (1848); Hand.-Mazz., Symb. Sin. 7: 100 (1929), p.p.; Rehder in Journ. Arn. Arb. 17: 81 (1936).

F. macrocarpa Lév. & Van. in Mem. Real Acad. Ci. Artes Barcelona ser. 3, 6: 152 (1907) & in Fedde, Rep. Sp. Nov. 4: 85 (1907); Lév., Fl. Kouy-Tchéou 431 (1915), p.p. sub *F. macrocarpa* Wight; Rehder in Journ. Arn. Arb. 10: 130 (1929).

CHINA. Kweichow, sine loc., 1899, *Cavalerie* s.n. (holo. *F. macrocarpa* Lév. & Van. — n.v.).

1918. *Ficus concinna* (Miq.) Miq., Ann. Mus. Bot. Lugd.-Bat. 3: 286 (1867-8); Corner in Gard. Bull. Sing. 21: 8 (1965).

Urostigma concinnum Miq. in Hook., London Journ. Bot. 6: 570 (1847).
F. fecundissima Lévl. & Van. in Fedde, Rep. Sp. Nov. 9: 19 (1910) & Fl.
 Kouy-Tchéou 430 (1915).

F. pseudoreligiosa Lévl., Fl. Kouy-Tchéou 432 (1915).

F. lacor auct. non Buch.-Ham; Rehder in Journ. Arn. Arb. 10: 124
 (1929), p.p.

CHINA. Kweichow, Lo-fou, gr. arbre, jardin de l'église, iii 1909, *Cavalerie*
 3588 (holo. *F. fecundissima*, E); Lo-fou, rochers derrière fort, 800 m, vi
 1912, *Esquiroi* 3518 (holo. *F. pseudoreligiosa*, E).

Cavalerie 2172, cited in *Flore du Kouy-Tchéou* under *F. benjamina* L.,
 belongs to *F. concinna*.

Ficus corymbifera Lévl. & Van. = *Solanum erianthum* D. Don (Solan-
 aceae).

1919. *Ficus cuneata* Lévl. & Van. var. ***congesta*** Lévl. & Van. in Mem. Real
 Acad. Ci. Artes Barcelona ser. 3, 6: 149 (1907) & in Fedde, Rep. Sp. Nov. 4:
 84 (1907).

CHINA. Kweichow, Pin-fa, *Cavalerie* (holo. var. *congesta* — n.v.).

This specimen was not seen by Rehder and has not been found in the
 Lévêillé herbarium.

1920. *Ficus cyrtophylla* [Wall. ex] Miq., Ann. Mus. Bot. Lugd.-Bat. 3: 282,
 296 (1867-8); Corner in Gard. Bull. Sing. 17: 473 (1960) & 21: 73 (1965).

Covellia cyrtophylla [Wall. ex] Miq. in Hook., London Journ. Bot. 7:
 460 (1848).

Ficus asymetrica Lévl. & Van. in Mem. Real Acad. Ci. Artes Barcelona
 ser. 3, 6: 147 (1907) & in Fedde, Rep. Sp. Nov. 4: 82 (1907); Lévl., Fl.
 Kouy-Tchéou 429 (1915); Rehder in Journ. Arn. Arb. 10: 128 (1929);
 Rehder in op. cit. 17: 74 (1936), pro syn. sub *F. obscura* Bl. — non *F.*
asymetrica Hutch (1915).

CHINA. Kweichow, bords du Hoa Kiang, arbre, 18 iii 1899, *Martin in herb.*
Bodinier 2577 (holo. *F. asymetrica* Lévl. & Van., E).

1921. *Ficus erecta* Thunb., Diss. Ficus 9: 15 (1786); Rehder in Journ. Arn.
 Arb. 10: 125 (1929), p.p. & 17: 76 (1936); Corner in Gard. Bull. Sing. 21: 40
 (1965); Nakai, Fl. Sylv. Kor. 19: 121, t. 38 (1932).

F. pseudo-piriformis Lévl. in Fedde, Rep. Sp. Nov. 5: 282 (1908), p.p.
 quoad *Faurie* 1991; Nakai in Journ. Coll. Sci. Imp. Univ. Tokyo 31:
 199 (1911), p.p.

F. taquetii Lévl. in Fedde, Rep. Sp. Nov. 5: 282 (1908), p.p. excl. *Faurie*
 900 & *Taquet* 317; Nakai in Journ. Coll. Sci. Imp. Univ. Tokyo 31: 199
 (1911), p.p.

KOREA. Quelpaert: secus torrentes Hongno, vii 1907, *Faurie* 1991 (syntype
F. pseudo-piriformis, E); in dumosis littoris, x 1906, *Faurie* 897, in silvis, x
 1906, *Faurie* 898, 899, in petrosis, vi 1907, *Faurie* 2023, secus torrentes
 Hongno, x 1907, *Taquet* 315 (syntypes *F. taquetii*, E).

1922. *Ficus erecta* Thunb. var. *erecta* f. *sieboldii* (Miq.) Corner in Gard. Bull. Sing. 17: 427 (1960) & *ibid.* 21: 41 (1965).

F. sieboldii Miq., Ann. Mus. Bot. Lugd.-Bat. 2: 199 (1866).

F. erecta Thunb. var. *sieboldii* (Miq.) King in Ann. Roy. Bot. Gard. Calc. 1: 142 (1888); Nakai, Fl. Sylv. Kor. 19: 123, t. 39 (1932); Rehder in Journ. Arn. Arb. 17: 77 (1936), p.p.

F. pseudo-piriformis Lévl. in Fedde, Rep. Sp. Nov. 5: 282 (1908), p.p. quoad *Faurie* 2024.

F. taquetii Lévl. in Fedde, Rep. Sp. Nov. 5: 282 (1908), p.p. quoad *Faurie* 900.

KOREA. Quelpaert: in petrosis, vii 1907, *Faurie* 2024 (syntype *F. pseudo-piriformis*, E); secus torrentes Hongno, x 1907, *Taquet* 317, in littoralibus, x 1906, *Faurie* 900 (syntypes *F. taquetii*, E).

1923. *Ficus esquiroliana* Lévl. in Bull. Acad. Géog. Bot. 24: 252 (1914); Corner in Gard. Bull. Sing. 21: 45 (1965).

F. hirta Vahl var. *roxburghii* auct. non (Miq.) King; Rehder in Journ. Arn. Arb. 10: 127 (1929).

F. laus-esquirolii Lévl., Fl. Kouy-Tchéou 425, 431 (1915), in clavi, p.p. quoad *Esquirol* 3636.

F. neo-esquirolii Lévl., Fl. Kouy-Tchéou 431 (1915), nom. nud. pro syn. sub *F. laus-esquirolii*.

CHINA. Kweichow, Chang tsin, 900 m, 10 xi 1912, *Esquirol* 3636 (holo. *F. esquiroliana*, syntype *F. laus-esquirolii*, E).

Esquirol 3634, the other syntype of *F. laus-esquirolii*, is *F. hirta* Vahl (q.v.). See Rehder (op. cit.) for comments on the three Léveillé names.

1924. *Ficus formosana* Maxim. in Bull. Acad. Sci. St. Pétersb. 27: 546 (1881); Rehder in Journ. Arn. Arb. 10: 127 (1929); Corner in Gard. Bull. Sing. 21: 43 (1965).

F. lageniformis Lévl. & Van. in Mem. Real Acad. Ci. Artes Barcelona ser. 3, 6: 151 (1907) & in Fedde, Rep. Sp. Nov. 4: 85 (1907).

HONG KONG. Tay mo chan, petit arbuste, croissant dans les bosquets auprès des villages, 8 v 1895, *Bodinier* 1165 (holo. *F. lageniformis*, E).

1925. *Ficus gasparriniana* Miq. var. *esquirolii* (Lévl. & Van.) Corner in Gard. Bull. Sing. 17: 428 (1960) & 21: 42 (1965).

F. esquirolii Lévl. & Van. in Mem. Real Acad. Ci. Artes Barcelona ser. 3, 6: 150 (1907) & in Fedde, Rep. Sp. Nov. 4: 84 (1907); Lévl., Fl. Kouy-Tchéou 430 (1915); Rehder in Journ. Arn. Arb. 17: 79 (1936), p.p. & 18: 256 (1937).

CHINA. Kweichow, préfecture de Hin-y-fou, iv 1899, *Esquirol* in herb. *Bodinier* 2588 (holo. *F. esquirolii*, E).

1926. *Ficus gasparriniana* Miq. var. *laceratifolia* (Lévl. & Van.) Corner in Gard. Bull. Sing. 17: 428 (1960) & 21: 42 (1965).

F. laceratifolia Lévl. & Van. in Mem. Real Acad. Ci. Artes Barcelona ser. 3, 6: 151 (1907) & in Fedde, Rep. Sp. Nov. 4: 85 (1907); Lévl., Fl. Kouy-Tchéou 431 (1915); Rehder in Journ. Arn. Arb. 10: 130 (1929) & 17: 78 (1936).

F. rhomboidalis auct. non Lévl. & Van.; Lévl., Fl. Kouy-Tchéou 433 (1915) p.p. quoad *Esquirol* 3267; Rehder in Journ. Arn. Arb. 10: 131 (1929); Rehder in op. cit. 17: 78 (1936), pro syn. sub *F. formosana* Maxim.

CHINA. Kweichow, environs de Kouy yang, premières pentes de la mont., petit arbuste, tiges petites vertes, piquetées élégamment de rose-pourpre, 12 vii 1897, *Bodinier* 1663 (holo. E).

1927. *Ficus gasparriniana* Miq. var. *viridescens* (Lévl. & Van.) Corner in Gard. Bull. Sing. 17: 428 (1960) & 21: 42 (1965).

F. cyanus Lévl. & Van. in Mem. Real Acad. Ci. Artes Barcelona ser. 3, 6: 149 (1907) & in Fedde, Rep. Sp. Nov. 4: 84 (1907); Lévl., Fl. Kouy-Tchéou 430 (1915) p.p.; Rehder in Journ. Arn. Arb. 10: 129 (1929), p.p. quoad *Cavalerie* 169.

F. cyanus Lévl. & Van. var. *viridescens* Lévl. & Van. in Fedde, Rep. Sp. Nov. 4: 84 (1907).

F. stapfii Lévl. in Fedde, Rep. Sp. Nov. 9: 325 (1911) & Fl. Kouy-Tchéou 433 (1915); Rehder in Journ. Arn. Arb. 10: 131 (1929) & 17: 81 (1936).

F. congesta [Lévl. & Van. ex] Lévl., Fl. Kouy-Tchéou 428, 429 (1915), in clavi, p.p. quoad *Esquirol* 2506; Rehder in Journ. Arn. Arb. 10: 128 (1929).

F. silhetensis auct. non Miq.; Rehder in Journ. Arn. Arb. 17: 80 (1936), p.p. excl. *Esquirol* 3031.

F. vanioti auct. non Lévl.; Lévl., Fl. Kouy-Tchéou 434 (1915), p.p.; Rehder in Journ. Arn. Arb. 17: 82 (1936) & 18: 256 (1937).

CHINA. Kweichow, Si-Liéou-Gay, trous profonds, 30 vii 1902, *Cavalerie* 169 (holo. *F. cyanus*, E); Pin-fa, 23 vi 1903, *Cavalerie* 1099 (holo. var. *viridescens*, E); montagnes abruptes au nord de Hoang-tsao-pa, vi 1909, *Esquirol* 1556 (holo. *F. stapfii*, E); Tche-chou, bois, ix 1909, *Esquirol* 2506 (syntype *F. congesta*, E).

Esquirol 2093, a syntype of *F. congesta* is *F. trivia* Corner. *Esquirol* 3031 is *F. gasparriniana*. Four specimens are cited in *Flore du Kouy-Tchéou* under *Ficus vanioti*, of which *Esquirol* 3077 & 3078 are *F. gasparriniana* var. *viridescens*. The other two specimens cited, *Cavalerie* 2568 & 2984 are syntypes of *F. vanioti* and belong to *Aglaia tetrapetala* (Pierre) Pellegr. (Meliaceae).

1928. *Ficus geniculata* Kurz in Journ. As. Soc. Beng. 42: 105 (1873); Corner in Gard. Bull. Sing. 21: 9 (1965).

F. tenii Lévl. in Fedde, Rep. Sp. Nov. 6: 112 (1908) & Cat. Pl. Yunnan 275 (1917); Rehder in Journ. Arn. Arb. 10: 124 (1929) & 17: 74 (1936), pro syn. sub *F. lacor* Buch.-Ham.; Hand.-Mazz. in Symb. Sin. 7: 92 (1929), pro syn. sub *F. superba* Miq.

CHINA. Yunnan, Kiao Kia, gd. arbre, 5 i 1906, *Ten* 733 (holo. *F. tenii*, E).

1929. *Ficus glaberrima* Bl., Bijdr. 451 (1826); Rehder in Journ. Arn. Arb. 17: 73 (1936) p.p. excl. *F. blinii*; Corner in Gard. Bull. Sing. 21: 17 (1965).

F. suberosa Lévl. & Van. in Fedde, Rep. Sp. Nov. 8: 549 (1910); Lévl., Fl. Kouy-Tchéou 433 (1915); Rehder in Journ. Arn. Arb. 10: 131 (1929).

F. feddei Lévl. & Van. in Fedde, Rep. Sp. Nov. 9: 19 (1910).

F. kingiana Lévl., Fl. Kouy-Tchéou 428, 431 (1915) in clavi, p.p. quoad *Cavalerie* 2172 — non Hemsl.

CHINA. Kweichow, Lo-fou, arbre, iii 1909, *Cavalerie* 3597 (holo. *F. suberosa*, E); Lo-fou, x 1908, *Cavalerie* 3634 (holo. *F. feddei*, E); Houa-Kiang, 3 vi 1904, *Cavalerie* 2172 (syntype *F. kingiana* E).

Rehder cited *F. blinii* as a synonym of *F. glaberrima* but Corner redetermined the type of *F. blinii* as *F. nervosa* (q.v.).

Rehder (*Journ. Arn. Arb.* 17: 73, 1936) pointed out that *Cavalerie* 2172 was cited by Léveillé as a syntype of *F. kingiana* 'but the characters under which *F. kingiana* appears in the key, exclude it, and therefore the other syntype which belongs to *F. pyriformis* Hook. & Arn. must be considered the real type of the species' (i.e. lectotype, L.A.L.).

The 'other syntype', *Cavalerie* ii 1900 s.n. from Ly-po, which Rehder identified as *F. pyriformis*, was reidentified by Corner as *F. stenophylla* Hemsl. var. *macropodocarpa* (Lévl. & Van.) Corner (q.v.).

It should be noted that there are two sheets of *Cavalerie* 2172 of the same date and from the same place. The sheet which is not a syntype of *F. kingiana* is *F. concinna* Miq.

Although Corner cited *F. suberosa* as a synonym under *F. glaberrima*, he also cited it as a synonym under *F. virens* Ait. var. *sublanceolata* (Miq.) Corner (l.c. 21: 9, 1965), but this is presumably a clerical error as there is only one type of *F. suberosa*.

1930. *Ficus hederacea* Roxb., Hort. Beng. 103 (1814) & Fl. Ind. 3: 538 (1832); Corner in Gard. Bull. Sing. 21: 58 (1965).

F. scandens Roxb., Fl. Ind. 3: 536 (1832) — non Lamk. (1788) nec Buch.-Ham. (1826); Rehder in *Journ. Arn. Arb.* 17: 75 (1936).

F. cantoniensis [Bodinier ex] Lévl. in Mem. Real Acad. Ci. Artes Barcelona ser. 3, 6: 148 (1907) & in Fedde, Rep. Sp. Nov. 4: 83 (1907).

HONG KONG. Sur les murs qu'il tapisse comme une Sierre, tiges rampantes et racinantes, 7 vii 1895, *Bodinier* 1253 (holo. *F. cantoniensis*, E).

1931. *Ficus henryi* [Warb. ex] Diels in Engl. Bot. Jahrb. 29: 299 (1900); C. Y. Wu & W. T. Wang in Acta Phytotax. Sin. 6: 270 (1957); Corner in Gard. Bull. Sing. 21: 36 (1965).

F. acanthocarpa Lévl. & Van. in Fedde, Rep. Sp. Nov. 4: 65 (1907); Lévl., Fl. Kouy-Tchéou 429 (1915); Rehder in *Journ. Arn. Arb.* 10: 124 (1929), pro syn. sub *F. clavata* [Wall. ex] Miq.

CHINA. Kweichow, Pin fa, bois, arbre droit de 2 m, 24 ix 1905, *Cavalerie* 2519 (holo. *F. acanthocarpa*, E).

1932. *Ficus heteromorpha* Hemsl. in Hook., Icon. 26: t. 2533, 2534 (1897); Rehder in *Journ. Arn. Arb.* 10: 126 (1929) & 17: 77 (1936); Corner in Gard. Bull. Sing. 21: 41 (1965).

F. kouytchense Lévl. & Van. in Fedde, Rep. Sp. Nov. 4: 65 (1907); Lévl., Fl. Kouy-Tchéou 431 (1915).

F. cavaleriei Lévl. & Van. in Mem. Real Acad. Ci. Artes Barcelona ser. 3, 6: 148 (1907) & in Fedde, Rep. Sp. Nov. 4: 83 (1907), p.p. quoad

Cavalerie 244; Lév., Fl. Kouy-Tchéou 429 (1915), p.p. quoad *Cavalerie* 244; Rehder in Journ. Arn. Arb. 10: 128 (1929) p.p. quoad *Cavalerie* 244 & 17: 78 (1936).

F. cuneata Lév. & Van. in Mem. Real Acad. Ci. Artes Barcelona ser. 3, 6: 149 (1907) & in Fedde, Rep. Sp. Nov. 4: 84 (1907) p.p. quoad *Cavalerie* 1351; Lév., Fl. Kouy-Tchéou 429 (1915), p.p. quoad *Cavalerie* 1351.

F. pinfaensis Lév. & Van. in Mem. Real Acad. Ci. Artes Barcelona ser. 3, 6: 152 (1907) & in Fedde, Rep. Sp. Nov. 4: 85 (1907); Lév., Fl. Kouy-Tchéou 432 (1915).

F. mairei Lév. in Fedde, Rep. Sp. Nov. 12: 535 (1913) & Cat. Pl. Yunnan 275 (1917).

F. pandurata [Lév. & Van. ex] Lév., Fl. Kouy-Tchéou 426, 432 (1915), in clavi — non Hance (1862).

CHINA. Kweichow, Pin-fa, sud-ouest, bord du ruisseau, 21 viii 1902, *Cavalerie* 244 (syntype *P. cavaleriei*, E); sine loc. *Cavalerie* s.n. (holo. *F. kouytchense*, E); Pin-fa, 8 ix 1903, *Cavalerie* 1351 (syntype *F. cuneata*, E); Pin-fa, 24 ix 1902, *Cavalerie* 532 (holo. *F. pinfaensis*, E); Ouang-mou, *Esquirol* s.n. (holo. *F. pandurata* Lév. — non Hance, E?). Yunnan, vallée de Long-ky, 700 m, ficus, arbuste toujours vert, rives des torrents, viii 1912, *E. E. Maire* s.n. (holo. *F. mairei*, E).

The other syntype of *F. cavaleriei*, *Cavalerie* 1494 is *F. variolosa* (q.v.) and that of *F. cuneata*, *Bodinier* 2363, is *F. trivialis* Corner (q.v.). An unlocalized sheet of *F. pandurata* is present in E but it is not certain if it is the type.

1933. *Ficus hirta* Vahl, Enum. 2: 201 (1806); Lév., Fl. Kouy-Tchéou 430 (1915); Rehder in Journ. Arn. Arb. 10: 126 (1929) & 17: 77 (1936); Corner in Gard. Bull. Sing. 21: 45 (1965).

F. porteri Lév. & Van. in Fedde, Rep. Sp. Nov. 8: 550 (1910); Lév., Fl. Kouy-Tchéou 432 (1915).

F. laus-esquirolii Lév., Fl. Kouy-Tchéou 425, 431 (1915), in clavi, p.p. quoad *Esquirol* 3634.

CHINA. Kweichow, Lo-fou, iii 1909, *Cavalerie* 3594 (holo. *F. porteri*, E); Chang-tsin, 900 m, 3 xi 1912, *Esquirol* 3634 (syntype *F. laus-esquirolii*, E).

Esquirol 3636, the other syntype of *F. laus-esquirolii*, is *F. esquiroliana* (q.v.).

Ficus hirtaeformis Lév. & Van. = *Actinidia eriantha* Benth. (Theaceae).

1934. *Ficus hispida* L.f., Suppl. Pl. 442 (1781); Rehder in Journ. Arn. Arb. 10: 126 (1929); Corner in Gard. Bull. Sing. 21: 89 (1965).

F. letaqui Lév. & Van. in Fedde, Rep. Sp. Nov. 8: 550 (1910); Lév., Fl. Kouy-Tchéou 431 (1915); Rehder in Journ. Arn. Arb. 10: 130 (1929) & 17: 82 (1936).

F. sambucixylon Lév. in Fedde, Rep. Sp. Nov. 9: 444 (1911) & Fl. Kouy-Tchéou 433 (1915).

CHINA. Kweichow, Lo-fou, arbrisseau 2-3 m, iii 1909, *Cavalerie* 3599 (holo. *F. letaqui*, E); Lo-fou, rivière, 600 m, ix 1910, *Esquirol* 2217 (holo. *F. sambucixylon*, E).

Corner drew attention to the mixed nature of the type specimen of *F. letaqui* in which the figs belong to *F. hispida* and the separate leaves to *F. tsiangii* [Merr. ex] Corner.

1935. *Ficus laevis* Bl., Bijdr. 437 (1825); Rehder in Journ. Arn. Arb. 17: 75 (1936); Corner in Gard. Bull. Sing. 21: 53 (1965).

F. jamini Lévl. & Van. in Fedde, Rep. Sp. Nov. 8: 550 (1910); Lévl., Fl. Kouy-Tchéou 430 (1915); Rehder in Journ. Arn. Arb. 10: 129 (1929). CHINA. Kweichow, Lo-fou, viii 1909, *Cavalerie* 3591 (holo. *F. jamini*, E).

Rehder miscited *Cavalerie* 3601, the type of *F. retusiformis*.

Ficus marchandii Lévl. = *Capparis acutifolia* Sw. subsp. *viminea* Jacobs (Capparaceae).

1936. *Ficus microcarpa* L.f., Suppl. Pl. 442 (1781); Corner in Gard. Bull. Sing. 21: 22 (1965).

F. retusiformis Lévl. in Fedde, Rep. Sp. Nov. 8: 549 (1910) & Fl. Kouy-Tchéou 433 (1915); Rehder in Journ. Arn. Arb. 10: 131 (1929); Rehder in op. cit. 17: 74 (1936) pro syn. sub *F. retusa* L. CHINA. Kweichow, Lo-fou, iii 1909, *Cavalerie* 3601 (holo. *F. retusiformis*, E).

1937. *Ficus nervosa* [Heyne ex] Roth, Nov. Pl. Sp. Ind. Or. 388 (1821); Corner in Gard. Bull. Sing. 21: 31 (1965).

F. blinii Lévl. & Van. in Fedde, Rep. Sp. Nov. 8: 550 (1910); Lévl., Fl. Kouy-Tchéou 429 (1915); Rehder in Journ. Arn. Arb. 10: 131 (1929), pro syn. sub *F. suberosa* Lévl. & Van.; Rehder in op. cit. 17: 73 (1936), pro syn. sub *F. glaberrima* Bl. CHINA. Kweichow, Lo-fou, iii 1909, *Cavalerie* 3595 (holo. *F. blinii*, E).

1938. *Ficus orthoneura* Lévl. & Van. in Fedde, Rep. Sp. Nov. 4: 66 (1907); Lévl., Fl. Kouy-Tchéou 432 (1915); Rehder in Journ. Arn. Arb. 10: 130 (1939); Corner in Gard. Bull. Sing. 21: 10 (1965).

F. hypoleucogramma Lévl. & Van. in Fedde, Rep. Nov. 4: 65 (1907); Lévl., Fl. Kouy-Tchéou 430 (1915); Rehder in Journ. Arn. Arb. 10: 129 (1939). CHINA. Kweichow, Hoa-Kiang, 6 vi 1904, *Cavalerie* 2050 (holo. *F. orthoneura*, E); sine loc., *Esquirol* 597 (holo. *F. hypoleucogramma*, E).

Ficus ouangliense Lévl. = *Aglaia tetrapetala* (Pierre) Pellegr. (Meliaceae).

1939. *Ficus rojasii* Lévl. in Bull. Acad. Géog. Bot. 28: 160 (1918). ARGENTINA. Chaco, by Rio Bermejo (typus — n.v.).

In a paper entitled 'Addenda ad Floram regionis Chaco Australis' by N. Rojas Acosta, Léveillé described *F. rojasii* from Rio Bermejo but no specimen was cited.

Léveillé also described *Sida rojasii* (p. 164) which was omitted accidentally from Part IV of this Catalogue.

Ficus rufipes Lévl. & Van. p.p. = **Psychotria prainii** Lévl. (Rubiaceae).

Ficus salix Lévl. = **Salix babylonica** L. (Salicaceae).

1940. *Ficus sarmentosa* [Buch.-Ham. ex] J. E. Sm. var. **duclouxii** (Lévl. & Van.) Corner in Gard. Bull. Sing. 18: 6 (1960) & 21: 51 (1965).

F. duclouxii Lévl. & Van. in Mem. Real Acad. Ci. Artes Barcelona ser. 3, 6: 149 (1907) & in Fedde, Rep. Sp. Nov. 4: 84 (1907); Lévl., Fl. Kouy-Tchéou 430 (1915) p.p.; Rehder in Journ. Arn. Arb. 10: 124 (1929), p.p. pro syn. sub *F. foveolata* [Wall. ex] Miq.

CHINA. Kweichow, environs de My tsao, bois de la mont., arbre, 6 iii 1897, *Ducloux* 106 (syntype *F. duclouxii*, E).

The other syntype of *F. duclouxii* is *F. sarmentosa* var. *luducca* (q.v.).

1941. *Ficus sarmentosa* [Buch.-Ham. ex] J. E. Sm. var. **impressa** (Champ.) Corner in Gard. Bull. Sing. 18: 6 (1960) & 21: 51 (1965).

F. impressa [Champ. ex] Benth. in Hook., Journ. Bot. & Kew Gard. Misc. 6: 76 (1854); Rehder in Journ. Arn. Arb. 10: 125 (1929).

F. bodinieri Lévl. & Van. in Mem. Real Acad. Ci. Artes Barcelona ser. 3, 6: 147 (1907) & in Fedde, Rep. Sp. Nov. 4: 83 (1907).

F. martini Lévl. & Van. in Mem. Real Acad. Ci. Artes Barcelona ser. 3, 6: 152 (1907) & in Fedde, Rep. Sp. Nov. 4: 85 (1907); Lévl., Fl. Kouy-Tchéou 432 (1915); Hand.-Mazz., Symb. Sin. 7: 95 (1929); Rehder in Journ. Arn. Arb. 10: 127 (1929); Rehder in op. cit. 17: 75 (1936), excl. syn.; Rehder in op. cit. 18: 256 (1937) excl. *Ficus kwangtungensis* Merrill; Merrill & Chun in Sunyatsenia 1: 54 (1930), p.p.

HONG KONG. Tiges principales rampant sur les rocs des ravines, et émettant de petites branches droites, 9 v 1894, *Bodinier* 563; émettant des jets fructifères, 5 vi 1895, *Bodinier* 563 bis (syntypes *F. bodinieri*, E).

CHINA. Kweichow, environs de Gan-pin, commun partout sur les rochers, 20 iii 1898, *Martin* in herb. *Bodinier* 2123 (holo. *F. martini*, E, miscited by Lévillé as 2133).

1942. *Ficus sarmentosa* [Buch.-Ham. ex] J. E. Sm. var. **lacrymans** (Lévl.) Corner in Gard. Bull. Sing. 18: 6 (1960) & 21: 51 (1965).

F. botryoides Lévl. & Van. in Mem. Real Acad. Ci. Artes Barcelona, ser. 3, 6: 148 (1907) & in Fedde, Rep. Sp. Nov. 4: 83 (1907); Lévl., Fl. Kouy-Tchéou 429 (1915); Rehder in Journ. Arn. Arb. 10: 128 (1929); Rehder in op. cit. 17: 76 (1936) et seq. excl. *F. martini*.

F. lacrymans Lévl., Fl. Kouy-Tchéou 431 (1915); Rehder in Journ. Arn. Arb. 10: 130 (1929); Hand.-Mazz., Symb. Sin. 7: 96 (1929), pro syn. sub *F. martini* Lévl. & Van. var. *saxicola* Hand.-Mazz.

CHINA. Kweichow, environs de Tsin-gay, rochers au bord de la rivière à Cha-teou-tchay, 27 vi 1899, *Bodinier* 2653 (holo. *F. botryoides*, E); Ta rin, 900 m, 12 iv 1913, *Esquirol* 3573 (holo. *F. lacrymans*, E).

Esquirol 727, cited in *Flore du Kouy-Tchéou* 430 (1915) under *F. impressa* [Champ. ex] Benth. belongs here.

1943. *Ficus sarmentosa* [Buch.-Ham. ex] J. E. Sm. var. ***luducca*** (Roxb.) Corner in Gard. Bull. Sing. 18: 7 (1960) & 21: 52 (1965).

F. luducca Roxb., Fl. Ind. 3: 534 (1832).

F. duclouxii Lév. & Van. in Mem. Real Acad. Ci. Artes Barcelona, ser. 3, 6: 149 (1907) & in Fedde, Rep. Sp. Nov. 4: 84 (1907); Lév., Fl. Kouy-Tchéou 430 (1915) p.p.; Rehder in Journ. Arn. Arb. 10: 124 (1929), p.p. pro syn. sub *F. foveolata* [Wall. ex] Miq.

F. longepedata Lév. & Van. in Mem. Real Acad. Ci. Artes Barcelona ser. 3, 6: 152 (1907) & in Fedde, Rep. Sp. Nov. 4: 85 (1907); Lév., Fl. Kouy-Tchéou 431 (1915) p.p. quoad holo.; Rehder in Journ. Arn. Arb. 10: 127 (1929) & 17: 74 (1936); Hand.-Mazz., Symb. Sin. 7: 93 (1929).

F. trichopoda Lév. in Fedde, Rep. Sp. Nov. 12: 538 (1913) & Fl. Kouy-Tchéou 433 (1915).

CHINA. Kweichow, environs de Tou-chan, ix 1899, *Cavalerie in herb. Bodinier* s.n. (syntype *F. duclouxii*, E); Pin-fa, 17 ii 1903, *Cavalerie* 876 (holo. *F. longepedata*, E); Gan-chouen, 1912, *Cavalerie* 3968 (holo. *F. trichopoda*, E).

The other syntype of *F. duclouxii* is *F. sarmentosa* var. *duclouxii* (q.v.). *Esquirol* 3550, cited under *F. longepedata* in *Flora du Kouy-Tchéou* is *F. tinctoria* Forst. f. subsp. *parasitica* (Willd.) Corner.

1944. *Ficus sarmentosa* [Buch.-Ham. ex] J. E. Sm. var. ***nipponica*** (Fr. & Sav.) Corner in Gard. Bull. Sing. 18: 7 (1960) & 21: 52 (1965).

F. nipponica Fr. & Sav., Enum. Pl. Jap. 1: 436 (1875).

F. chaffanjonii Lév. & Van. in Mem. Real Acad. Ci. Artes Barcelona, ser. 3, 6: 148 (1907) & in Fedde, Rep. Sp. Nov. 4: 83 (1907); Lév., Fl. Kouy-Tchéou 429 (1915) & Cat. Pl. Yunnan 274 (1917).

F. rufipes Lév. & Van. in Mem. Real Acad. Ci. Artes Barcelona ser. 3, 6: 154 (1907) & in Fedde, Rep. Sp. Nov. 4: 86 (1907) p.p.; Lév., Fl. Kouy-Tchéou 433 (1915), p.p. quoad *Cavalerie* 340.

F. fortunati Lév. & Van. in Fedde, Rep. Sp. Nov. 4: 66 (1907); Lév., Fl. Kouy-Tchéou 430 (1915) p.p. quoad holo.

F. seguinii Lév. in Fedde, Rep. Sp. Nov. 12: 536 (1913); Lév., Fl. Kouy-Tchéou 433 (1915), p.p. quoad holo.

F. foveolata auct. non [Wall. ex] Miq.; Rehder in Journ. Arn. Arb. 10: 124 (1929) p.p., 17: 75 (1936) & 18: 255 (1937); Hand.-Mazz., Symb. Sin. 7: 95 (1929).

CHINA. Kweichow, environs de Kouy-yang, mont. du collège, rochers des gorges de Yang-pa, iv 1898, *Chaffanjon in herb. Bodinier* 2220 (holo. *F. chaffanjonii*, E); Miao-tse, Ngaiang-ouang, figuier à fruit jaune, 31 viii 1902, *Cavalerie* 340 (syntype *F. rufipes*, E); sine loc., arbrisseau, vi 1905, *Esquirol* 477 (holo. *F. fortunati*, E); sine loc., *Esquirol* 3080 (holo. *F. seguini*, E).

In *Flora du Kouy-Tchéou*, *Esquirol* 3761 cited under *F. fortunati* is *F. sarmentosa* var. *luducca*, as also is *Esquirol* 3707 cited under *F. seguini*. *Esquirol* 2090, cited under *F. rufipes* (l.c. p. 433) is *F. sarmentosa* var. *impressa*. Two types of *F. rufipes*, *Esquirol* 76 & 77, belong to *Psychotria prainii* Lév. (Rubiaceae).

1945. *Ficus sarmentosa* [Buch.-Ham. ex] J. E. Sm. var. *thunbergii* (Maxim.) Corner in Gard. Bull. Sing. 18: 7 (1960) & 21: 52 (1965).

F. thunbergii Maxim. in Bull. Acad. Sci. St. Pétersb. 27: 552 (1881).

F. foveolata [Wall. ex] Miq. var. *thunbergii* (Maxim.) King in Ann. Roy. Bot. Gard. Calc. 1: 134, t. 167, fig. g (1888); Rehder in Journ. Arn. Arb. 10: 125 (1929); Rehder in op. cit. 17: 75 (1936), p.p. excl. syn. *F. stipulata* Thunb.

F. fauriei Lévl. & Van. in Fedde, Rep. Sp. Nov. 5: 281 (1908); Nakai in Bull. Nat. Sci. Mus. Tokyo 31: 199 (1911).

F. hederifolia Lévl. in Fedde, Rep. Sp. Nov. 9: 323 (1911); Rehder in Journ. Arn. Arb. 10: 129 (1929); Nakai in Journ. Coll. Sci. Imp. Univ. Tokyo 31: 511 (1911).

F. fauriei Lévl. & Van. var. *macrocarpa* Lévl. in Fedde, Rep. Sp. Nov. 11: 65 (1912); Nakai in Bot. Mag. Tokyo 48: 774 (1934), pro syn. sub *F. stipulata* Thunb.

KOREA. Quelpaert, in dumosis, x 1906, *Faurie* 895 (syntype *F. fauriei*, E); in petrosis secus torrentes, viii 1907, *Faurie* 1993 (syntype *F. fauriei*, E); secus torrentes Hongno, x 1907, *Taquet* 316 (syntype *F. fauriei*, E); Hongno, repens in rupibus, 2 vii 1910, *Taquet* 4425 (holo. *F. hederifolia*, E); Quelpaert S, scandens in rupibus, xii 1911, *Taquet* 5972 (holo. var. *macrocarpa*, E).

1946. *Ficus stenophylla* Hemsl. in Hook., Ic. Pl. 26: t. 2536 (1897); Corner in Gard. Bull. Sing. 21: 42 (1965).

F. nerium Lévl. & Van. in Fedde, Rep. Sp. Nov. 4: 66 (1907); Lévl., Fl. Kouy-Tchéou 432 (1915); Rehder in Journ. Arn. Arb. 10: 130 (1929); Rehder in op. cit. 17: 79 (1936), pro syn. sub *F. pyriformis* Hook. & Arn.

CHINA. Kweichow, sine loc., *Esquirol* s.n. (holo. *F. nerium*, E).

1947. *Ficus stenophylla* Hemsl. var. *macropodocarpa* (Lévl. & Van.) Corner in Gard. Bull. Sing. 17: 429 (1960) & 21: 42 (1965).

F. macropodocarpa Lévl. & Van. in Fedde, Rep. Sp. Nov. 4: 66 (1907); Lévl., Fl. Kouy-Tchéou 431 (1915); Rehder in Journ. Arn. Arb. 10: 130 (1929); Rehder in op. cit. 17: 79 (1936), pro syn. sub *F. pyriformis* Hook. & Arn. var. *ischnopoda* King.

F. kingiana Lévl., Fl. Kouy-Tchéou 428, 431 (1915) in clavi, p.p. quoad *Cavalerie* s.n. from Ly-po — non Hemsl.; Rehder in Journ. Arn. Arb. 17: 79 (1936), p.p. pro syn. sub *F. pyriformis*.

CHINA. Kweichow, sine loc., *Esquirol* 838 (holo. *F. macropodocarpa*, E); Ly-po, *Cavalerie* s.n. (lectotype *F. kingiana*, E).

The other original syntype of *F. kingiana* is *F. glaberrima* Bl. (q.v.).

1948. *Ficus tikoua* Bur. in Journ. de Bot. 2: 213, t. 7 (1888); Rehder in Journ. Arn. Arb. 18: 76 (1936); Corner in Gard. Bull. Sing. 21: 43 (1965).

F. bonatii Lévl. in Fedde, Rep. Sp. Nov. 6: 112 (1908); Lévl., Cat. Pl. Yunnan 275 (1917) '*bonatiana*'.

CHINA. Yunnan, Yunnan-sen, ravines du mont. Tchong-chan, 18 viii 1905, *Ducloux* 732 (typus *F. bonatii* — n.v.).

1949. *Ficus tinctoria* Forst.f. subsp. ***gibbosa*** (Bl.) Corner in Gard. Bull. Sing. 17: 476 (1959) & 21: 74 (1965).

F. gibbosa Bl., Bijdr. 466 (1826).

F. michelii Lév. in Fedde, Rep. Sp. Nov. 8: 61 (1910) & in Fl. Kouy-Tchéou 432 (1915); Rehder in Journ. Arn. Arb. 10: 124 (1929), pro syn. sub *F. gibbosa* Bl. var. *cuspidifera* (Miq.) King.

CHINA. Kweichow, Tchai-choui-lo, vii 1909, *Esquirol* 1583 (holo. *F. michelii*, E).

1950. *Ficus tinctoria* Forst.f. subsp. ***parasitica*** (Willd.) Corner in Gard. Bull. Sing. 17: 476 (1960) & 21: 75 (1965).

F. parasitica Willd. in Mem. Acad. Roy. Sci. Hist. (Berlin) 2: 102, t. 3 (1798) [1801].

F. cuspidifera Miq. in Hook., London Journ. Bot. 7: 434 (1838); Hand.-Mazz., Symb. Sin. 7: 92 (1929).

F. gibbosa Bl. var. *cuspidifera* (Miq.) King in Ann. Roy. Bot. Gard. Calc. 1: 6, t. 2a (1888); Rehder in Journ. Arn. Arb. 10: 123 (1929), p.p. & op. cit. 17: 73 (1936).

F. rhomboidalis Lév. & Van. in Mem. Real Acad. Ci. Artes Barcelona ser. 3, 6: 153 (1907) & in Fedde, Rep. Sp. Nov. 4: 86 (1907); Lév., Fl. Kouy-Tchéou 433 (1915), p.p. excl. *Esquirol* 3267.

F. pseudobotryoides Lév. & Van. in Fedde, Rep. Sp. Nov. 4: 67 (1907); Lév., Fl. Kouy-Tchéou 432 (1915); Rehder in Journ. Arn. Arb. 10: 131 (1929).

CHINA. Kweichow, environs de Hoang-Ko-chou, 22 ii 1899, *Martin in herb. Bodinier* 2560 (holo. *F. rhomboidalis*, E); Lo-fou, 1 iv 1906, *Cavalerie* 2734 (holo. *F. pseudobotryoides*, E).

1951. *Ficus trivia* Corner in Gard. Bull. Sing. 17: 427 (1960) & 21: 41 (1965).

F. cuneata Lév. & Van. in Mem. Real Acad. Ci. Artes Barcelona ser. 3, 6: 149 (1907) & in Fedde, Rep. Sp. Nov. 4: 84 (1907), p.p. quoad *Bodinier* 2363; Lév., Fl. Kouy-Tchéou 429 (1915), p.p. quoad *Bodinier* 2363; Rehder in Journ. Arn. Arb. 10: 128 (1929), p.p. quoad *Bodinier* 2363; Rehder in op. cit. 17: 77 (1936), pro syn. sub *F. pandurata* Hance.

F. congesta [Lév. & Van. ex] Lév., Fl. Kouy-Tchéou 428, 429 (1915) in clavi, p.p. quoad *Esquirol* 2093; Rehder in Journ. Arn. Arb. 10: 128 (1929), in nota.

CHINA. Kweichow, environs de Kouy-Yang, mont du Collège, gorges de Yang-pa, arbuste, rocaïles, (item. environs de Tou-chan, vi 1899), 16 v 1898, *Bodinier* 2363 (syntype *F. cuneata*, E); Tien sen kiao, 900 m, v 1910, *Esquirol* 2093 (syntype *F. congesta*, E).

The other syntypes of *F. cuneata* and *F. congesta* belong to *F. heteromorpha* and *F. gasparriniana* var. *viridescens* (q.v.)

Ficus vanioti Lév. = ***Aglaia tetrapetala*** (Pierre) Pellegr. (Meliaceae).

1952. *Ficus variolosa* [Lindl. ex] Benth. in Hook., London Journ. Bot. 1: 492 (1842); Corner in Gard. Bull. Sing. 21: 39 (1965).

F. cavaleriei Lévl. & Van. in Mem. Real Acad. Ci. Artes Barcelona ser. 3, 6: 148 (1907) & in Fedde, Rep. Sp. Nov. 4: 83 (1907), p.p.; Lévl., Fl. Kouy-Tchéou 429 (1915), p.p. quoad *Cavalerie* 1494; Rehder in Journ. Arn. Arb. 10: 128 (1929), p.p. quoad *Cavalerie* 1496; Rehder in op. cit. 17: 78 (1936), p.p.

CHINA. Kweichow, Pin-fa, rochers près ruis., rare, 12 xi 1903, *Cavalerie* 1494 (syntype *F. cavaleriei*, E).

The other syntype, *Cavalerie* 244, is *F. heteromorpha*, q.v.

1953. *Girardinia diversifolia* (Link) Friis in Kew Bull. 36: 145, f. 4 (1981). *Urtica diversifolia* Link, Enum. Pl. Hort. Berol. alt. 2: 385 (1822), non Bl. (1825).

Urtica buraei Lévl. in Bull. Soc. Bot. Fr. 51: cxliv (1904); Lévl., Fl. Kouy-Tchéou 434 (1915) & Cat. Pl. Yunnan 275 (1917), pro syn. sub '*Girardiana palmata* Gaud.'; Hand.-Mazz., Symb. Sin. 7: 115 (1929), pro syn. sub *Urtica fissa* Pritz.

CHINA. Kweichow, environs de Gan-pin, bord d'un fossé, près d'un village Miao-tse, tiges et feuil. piquantes, monoïque, 22 ix 1897, *Martin in herb.* Bodinier 1904 (holo. *U. buraei*, E).

See Friis (loc. cit.) for discussion of '*G. palmata* Gaud.'

1954. *Laportea bulbifera* (Sieb. & Zucc.) Wedd. in Arch. Mus. Hist. Nat. Paris 9: 139 (1856); Chew in Gard. Bull. Sing. 25: 121 (1969).

Urtica bulbifera Sieb. & Zucc. in Abh. Bayer. Akad. Wiss. Münch. Math.-Phys. Kl. 4(3): 214 (1846).

Boehmeria bodinieri Lévl. in Fedde, Rep. Sp. Nov. 11: 550 (1913) & Fl. Kouy-Tchéou 422 (1915).

CHINA. Kweichow, mont. du Collège, à l'entrée de la grotte de Kema tong, 9 viii 1897, *Bodinier* 1748 (holo. *B. bodinieri*, E).

1955. *Maoutia puya* (Hook.) Wedd. in Ann. Sci. Nat. sér. 4, 1: 194 (1854); Hand.-Mazz., Symb. Sin. 7: 154 (1929).

Boehmeria puya Hook. in Hook., Journ. Bot. & Kew Gard. Misc. 3: 316 (1851).

B. esquirolii Lévl. in Fedde, Rep. Sp. Nov. 10: 372 (1912) & Fl. Kouy-Tchéou 423 (1915).

CHINA. Kweichow, Ouang mou, vi 1904, *Esquirol* s.n. (holo. *B. esquirolii*, E).

1956. *Morus australis* Poir. in Lam., Encycl. Meth. 4: 380 (1797); Rehder in Journ. Arn. Arb. 10: 123 (1929).

M. acidusus Griff., Not. Pl. As. 4: 388 (1854); Schneider in Sarg., Pl. Wils. 3: 297 (1916); Lévl., Cat. Pl. Yunnan 275 (1917).

M. cavaleriei Lévl. in Fedde, Rep. Sp. Nov. 10: 146 (1911) & Fl. Kouy-Tchéou 434 (1915).

M. inusitata Lévl. in Fedde, Rep. Sp. Nov. 13: 265 (1914).

CHINA. Kweichow, Ma-jo, 20 xi 1908, *Cavalerie* 3283 (holo. *M. cavaleriei*, E). Yunnan, rocailles à La kou, 2400 m, murier sauvage, arbuste inutilisé, coteaux arides, iii 1912, *E. E. Maire* s.n. (holo. *M. inusitata*, E).

Morus calva Lévl. = *Coriaria sinica* Maxim. (Coriariaceae).

Morus mairei Lévl. = *Acalypha mairei* (Lévl.) Schneider (Euphorbiaceae).

Nanocnide closii Lévl. & Van. = *Acalypha brachystachya* Hornem. (Euphorbiaceae).

1957. *Pellionia radicans* (Sieb. & Zucc.) Wedd. in DC., Prodr. 16(1): 167 (1869); W. T. Wang in Bull. Bot. Lab. N.E. For. Inst. 6(1): 55 (1980).

Procris radicans Sieb. & Zucc., in Abh. Bayer. Akad. Wiss. Münch. Math.-Phys. Kl. 4(3): 218 (1846).

Elatostema radicans (Sieb. & Zucc.) Wedd. in Arch. Mus. Hist. Nat. Paris 9: 332 (1856); Schröter in Fedde, Rep. Beih. 83(2): 87 (1936).

Pellionia cavaleriei Lévl. in Fedde, Rep. Sp. Nov. 12: 22 (1913) & Fl. Kouy-Tchéou 434 (1915).

Elatostema taquetii Lévl. in Fedde, Rep. Sp. Nov. 12: 183 (1913).

E. cavaleriei (Lévl.) Hand.-Mazz., Symb. Sin. 7: 143 (1929).

CHINA. Kweichow, Pin-fa, fl. blanches, li. humi., 18 iii 1902, *Cavalerie* 1295 (holo. *P. cavaleriei*, E).

KOREA. Quelpaert in sylvis declivitatium torrentium Hongno, v 1909, *Taquet* 3230 (holo. *E. taquetii*, E).

Schröter cited *Taquet* 3230 but made no mention of *E. taquetii*.

1958. *Pilea cavaleriei* Lévl. in Fedde, Rep. Sp. Nov. 11: 65 (1912); Hand.-Mazz., Symb. Sin. 7: 141 (1929).

P. peploides Hook. & Arn. var. *cavaleriei* Lévl., Fl. Kouy-Tchéou 435 (1915), p.p.

CHINA. Kweichow, Pin-fa, Long-ly, 10 viii 1908, *Cavalerie* 3282 (holo. *P. cavaleriei*, syntype var. *cavaleriei*, E); Tsin-gay, rochers fl. blanch., 14 vii 1903, *Cavalerie* 1147 (syntype var. *cavaleriei*, E).

Although *Cavalerie* 3282 was cited under *P. cavaleriei* and *P. peploides* var. *cavaleriei* it was clearly Léveillé's intention that the latter was a new variety and not a combination.

1959. *Pilea crassifolia* Hance in Journ. Bot. 20: 294 (1882); Hand.-Mazz., Symb. Sin. 7: 140 (1929).

P. peploides Hook. & Arn. var. *cavaleriei* Lévl., Fl. Kouy-Tchéou 435 (1915), p.p.

CHINA. Kweichow, plateaux de Touan cha, 1100 m, 2 v 1910, *Esquirol* 2077 (syntype var. *cavaleriei*, E).

1960. *Pilea martinii* (Lévl.) Hand.-Mazz., Symb. Sin. 7: 131 (1929).

Boehmeria martinii Lévl. in Fedde, Rep. Sp. Nov. 11: 551 (1913) & Fl. Kouy-Tchéou 423 (1915).

CHINA. Kweichow, environs de Gan-pin, plante rare, au fond d'une excavation profonde en forme de grotte, 20 ix 1897, *Martin & Bodinier* 1902 (holo. E).

1961. *Pilea notata* C. H. Wright in Journ. Linn. Soc. (Bot.) 26: 476 (1899); Hand.-Mazz., Symb. Sin. 7: 126 (1929).

Boehmeria vanioti Lév. in Fedde, Rep. Sp. Nov. 11: 551 (1913) & Fl. Kouy-Tchéou 423 (1915).

CHINA. Kweichow, environs de Gan-pin, abonde dans les ruisseaux à l'intérieur de la ville, 5 vii 1897, *Martin & Bodinier* 1655, (syntype *B. vanioti*, E); rocaïlles à Ke-ma-tong, mont du Collège, 21 vii 1897, *Bodinier* 1697 (syntype *B. vanioti*, E); Pin-fa, entrée de grotte, fl. blanche, 21 viii 1902, *Cavalerie* 279 (syntype *B. vanioti*, E).

1962. *Pilea peperomioides* Diels in Notes R.B.G. Edinb. 5: 292 (1912); Hand.-Mazz., Symb. Sin. 7: 140 (1929); Lauener in Notes R.B.G. Edinb. 24: 75 (1962).

Podophyllum cavaleriei Lév. in Bull. Acad. Géog. Bot. 24: 142 (1914) & Fl. Kouy-Tchéou 50 (1914).

CHINA. Kweichow, Tchen Lin, crevasse profonde entre les rochers, 10 ii 1911, *Cavalerie* 3937 (holo. *Podophyllum cavaleriei*, E).

1963. *Pilea plataniflora* C. H. Wright in Journ. Linn. Soc. (Bot.) 26: 477 (1899); Hand.-Mazz., Symb. Sin. 7: 138 (1929).

P. blinii Lév. in Fedde, Rep. Sp. Nov. 11: 65 (1912) & Fl. Kouy-Tchéou 435 (1915).

CHINA. Kweichow, sine loc., rochers, fleurs blanches, 14 vii 1905, *Esquirol* s.n. (holo. *P. blinii*, E, iso. K.).

1964. ?*Pilea trinervia* Wight, Ic. 6: 9, t. 1973 (1853); Hand.-Mazz., Symb. Sin. 7: 131 (1929) — vel. aff.

Boehmeria cavaleriei Lév. in Fedde, Rep. Sp. Nov. 11: 550 (1913) & Fl. Kouy-Tchéou 422 (1915).

CHINA. Kweichow, district de Tou-chan à Yang-Kia-tchong, fleurs vertes, 19 ix 1898, *Cavalerie in herb. Bodinier* 2589 (syntype *B. cavaleriei*, E); Pin-fa, grande grotte, 25 viii 1902, *Cavalerie* 310, 625 — mounted on same sheet (syntype *B. cavaleriei*, E).

Handel-Mazzetti doubtfully referred *B. cavaleriei* to *P. trinervia*, with which I agree. *B. cavaleriei* somewhat resembles *P. trinervia* and *P. angulata* (Bl.) Bl. but whereas the leaves of *P. cavaleriei* are entire, those of *P. trinervia* and *P. angulata* are toothed. I am unable to match *B. cavaleriei* satisfactorily with our material of *Pilea*.

1965. *Pipturus hawaiiensis* Lév. in Fedde, Rep. Sp. Nov. 10: 124 (1911); H. St. John in Phytologia 45: 289 (1980).

HAWAIIAN (SANDWICH) ISLANDS. Hawaii, Hilo, v 1909, *Faurie* 508 (iso. BM).

1966. *Pouzolzia hirta* (Bl.) Hassk., Cat. Pl. Hort. Bot. Bog. 80 (1844); Lauener in Notes R.B.G. Edinb. 31: 399 (1972).

Urtica hirta Bl., Bijdr. 495 (1826).

Memoralis hirta (Bl.) Wedd. in DC., Prodr. 16(1): 235⁶ (1869).

Driessenia(?) sinensis Lév. in Fedde Rep. Sp. Nov. 11: 494 (1913); Lév.,

Fl. Kouy-Tchéou 436 (1915) & Cat. Pl. Yunnan 276 (1917) pro syn. sub *Pouzolzia hypericifolia* Bl.

CHINA. Yunnan, pâturages Tong-tchouan, fl. jaune verdâtre, vi 1910, *E. E. Maire in herb. Bodinier* 7340 (holo. *D. sinensis*, E).

1967. *Pteroceltis tatarinowii* Maxim. in Bull. Acad. Sci. St. Pétersb. 18: 292 (1873); Rehder in Journ. Arn. Arb. 10: 123 (1929).

Ulmus cavaleriei Lévl. in Fedde, Rep. Sp. Nov. 11: 296 (1912) & Fl. Kouy-Tchéou 436 (1915).

CHINA. Kweichow, Gan-chouen, bois, grand arbre, v 1910, *Cavalerie* 3784 (holo. *U. cavaleriei*, E).

1968. *Trema tomentosa* (Roxb.) Hara in Univ. Mus. Univ. Tokyo Bull. 2: 19 (1971).

T. dunniana Lévl. in Fedde, Rep. Sp. Nov. 10: 146 (1911) & Fl. Kouy-Tchéou 436 (1915); Hand.-Mazz., Symb. Sin. 7: 106 (1929), pro syn. sub *T. orientalis* (L.) Bl.; Rehder in Journ. Arn. Arb. 10: 123 (1929), pro syn. sub *T. orientalis*.

CHINA. Kweichow, sine loc., plante ligneuse, fl. blanche, vi 1906, *Esquirol* 871 (holo. *T. dunniana*, E).

1969. *Urtica fissa* Pritz. in Bot. Jahrb. 29: 301 (1900); Hand.-Mazz., Symb. Sin. 7: 115 (1929).

U. pinfaensis Lévl. & Van. in Fedde, Rep. Sp. Nov. 10: 371 (1912) & in Fl. Kouy-Tchéou 437 (1915).

CHINA. Kweichow, Pin-fa, xii 1902, *Cavalerie* 771 (holo. *U. pinfaensis*, E).

1970. *Urtica mairei* Lévl. in Fedde, Rep. Sp. Nov. 12: 183 (1913) & Cat. Pl. Yunnan 276 (1917); Hand.-Mazz., Symb. Sin. 7: 116 (1929).

CHINA. Yunnan, plaine de Tong-tchouan, Urticacée vivace très piquante, pied des murs, 2500 m, ix, *E. E. Maire* s.n. (holo. E).

REFERENCES FOR URTICACEAE

CORNER, E. J. H. (1960). Taxonomic Notes on *Ficus* L., Asia & Australasia. *Gard. Bull. Sing.* 17: 368-485.

— (1965). Check list of *Ficus* in Asia & Australasia with keys to identification. *Gard. Bull. Sing.* 21: 1-186.

NAKAI, T. (1936). Urticaceae. *Fl. Sylv. Kor.* 21: 115-158.

P'EI, C. (1947). The Ulmaceae of Eastern China. *Bot. Bull. Acad. Sin.* 1: 283-297.

SCHRÖTER, H. & WINKLER, H. (1935-36). Monographie der Gattung *Elatostema* s.l. *Fedde, Rep. Beih.* 83(1): 1-56; t. 1-8; 83(2): 1-174, t. 9-40.

WANG, W. T. (1980). Classificatio specierum sinensium Pellionae. *Bull. Bot. Lab. N.-E. For. Inst.* 6(1): 45-66.

— (1980). Classificatio specierum sinicarum *Elastostematis*. *Bull. Bot. Lab. N.-E. For. Inst.* 7(4): 1-96.

— (1981). Revisio *Boehmeriae* Sinicae. *Acta Bot. Yunnan.* 3(3): 307-328.

JUGLANDACEAE
(with D. K. FERGUSON)

1971. *Engelhardia spicata* [Lesch. ex] Bl. var. ***integra*** (Kurz) Manning ex van Steen. in Fl. Males. ser. 1, 6(6): 953 (1972); Grierson & Long in Notes R.B.G. Edinb. 40: 133 (1982).

E. villosa Kurz var. *integra* Kurz, Forest Flora Brit. Burma 2: 492 (1877).

E. colebrookiana Lindl. in Wall., Pl. As. Rar. 3: 4, t. 208 (1832) excl. "glabris"; Rehder in Journ. Arn. Arb. 10: 118 (1929); Fl. Reipubl. Pop. Sin. 21: 15 (1979).

E. spicata [Lesch. ex] Bl. var. *colebrookiana* (Lindl.) Koorders & Valetton in Meded. Lands Plantentuin 33: 169 (1900); Manning in Bull. Torrey Bot. Club 93: 43 (1966).

E. esquirolii Lévl. in Fedde, Rep. Sp. Nov. 12: 507 (1913) & Fl. Kouy-Tchéou 203 (1914).

Carpinus esquirolii Lévl., Fl. Kouy-Tchéou 203 (1914), nom. nud. pro syn. sub *E. esquirolii*.

CHINA. Kweichow, Ouang-Mou, vi 1904, *Esquirol* 112 (holo. *E. esquirolii*, E).

1972. *Pterocarya macroptera* Batal. var. ***insignis*** (Rehder & Wilson) Manning in Bull. Torrey Bot. Club. 102: 165 (1975).

P. insignis Rehder & Wils. in Sarg., Pl. Wils. 3: 183 (1916); Fl. Reipubl. Pop. Sin. 21: 27 (1979).

P. laruei Lévl., Cat. Pl. Yunnan 135 (1916).

CHINA. Yunnan, brousse des mont. à Kiao-me-ti, 3200 m, grande arbuste rameux, haut 3 m, vii 1912, *E. E. Maire* s.n. (syntype *P. laruei*, E); Ma-Kong, 3000 m, vi 1912, *E. E. Maire* s.n. (syntype *P. laruei* — n.v.).

Pterocarya esquirolii Lévl. = ***Koelreuteria bipinnata*** Franch. (Sapindaceae).

Note: Il'inskaya (Trudy Bot. Inst. Akad. Nauk SSSR ser. 1, 10: 53 (1953) and Fl. Reipubl. Pop. Sin. 21: 25 (1979) cite *P. esquirolii* as a synonym of *P. stenoptera*.

I am grateful to Dr F. G. Meyer, U. S. Dept. of Agriculture, Washington, for confirming the identity of *P. esquirolii* (Journ. Arn. Arb. 58: 189, 1977).

1973. *Pterocarya stenoptera* C. DC. in Ann. Sci. Nat. (Bot.) sér. 4, 18: 34 (1862); Lévl., Cat. Pl. Yunnan 135 (1916); Il'inskaya in Trudy Bot. Inst. Akad. Nauk SSSR ser. 1, 10: 53 (1953) p.p. excl. syn. *P. esquirolii*; Fl. Reipubl. Pop. Sin. 21: 23 (1979), p.p. excl. syn. *P. esquirolii*.

Acer mairei Lévl. in Fedde, Rep. Sp. Nov. 12: 185 (1913).

CHINA. Yunnan, collines à Long Ky, 750 m, arbuste grim pant, taillis et brousse, vii 1911, *E. E. Maire* s.n. (holo. *A. mairei*, E).

We are grateful to Professor Manning, Pennsylvania, USA, for his help in providing essential references in the Juglandaceae.

MYRICACEAE

Myrica cavaleriei Lévl. = **Quercus engleriana** Seem. (Fagaceae).

Myrica darrisii Lévl. = **Antidesma microphyllum** Hemsl. (Euphorbiaceae).

1974. *Myrica esculenta* [Buch.-Ham. ex] D. Don, Prodr. Fl. Nep. 56 (1825); Rehder in Journ. Arn. Arb. 17: 66 (1936).

Litsea myricopsis Lévl., Cat. Pl. Yunnan 150 (1916).

CHINA. Kweichow, près Tchang-pou, petit arbre, 3 xi 1905, *Cavalerie* 2697 (holo. *L. myricopsis*, E).

Myrica esquirolii Lévl. = **Podocarpus neriifolia** D. Don (Coniferae)

Myrica mairei Lévl. = **Vaccinium pubicalyx** Franch. (Vacciniaceae).

1975. *Myrica nana* Cheval. in Mém. Soc. Nat. Sci. Nat. Math. Cherbourg 32: 202 (1901-02).

Litsea mairei Lévl., Cat. Pl. Yunnan 150 (1916); Rehder in Journ. Arn.

Arb. 17: 66 (1936), pro syn. sub *Myrica adenophora* Hance.

CHINA. Yunnan, collines arides, incultes de Tchê-hay, 2600 m, arbousier-arbuste rameux, toujours vert, fl. bleu-verdâtre, iii 1912, *E. E. Maire* s.n. (holo. *L. mairei*, E).

The specimen recorded by Léveillé under *Myrica adenophora*, *Esquirol* 3296, which Rehder doubted belonged to *Myrica*, but which he had not seen, is *Distylium buxifolium* (Hance) Merr. (Hamamelidaceae).

Myrica rapaneoides Lévl. = **Distylium buxifolium** (Hance) Merr. (Hamamelidaceae).

1976. *Myrica rubra* Sieb. & Zucc. in Abh. Bayer. Akad. Wiss. Münch. Math.-Phys. Kl. 4(3): 230 (1846); Rehder in Journ. Arn. Arb. 10: 118 (1929); Nakai, Fl. Sylv. Kor. 20: 63 (1933).

Daphne argyi Lévl. in Mem. Real Acad. Ci. Artes Barcelona ser. 3, 12: 562 (1916).

CHINA. Kiangsu, bords du Tai hou, *d'Argy* s.n. (holo. *D. argyi*, E).

Myrica seguini Lévl. = **Distylium buxifolium** (Hance) Merr. (Hamamelidaceae)

NOTE: The next part of this Catalogue will conclude the evaluation of the Dicotyledons. This will include the families *Betulaceae*, *Fagaceae* & *Salicaceae*. It is hoped to follow this with a second and final list of Errata and Emendata.