

CATALOGUE OF THE NAMES PUBLISHED BY
HECTOR LÉVEILLÉ: XIX*

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ABSTRACT. This part of the catalogue evaluates the species described by Léveillé in the following families: Hydrocharitaceae, Orchidaceae, Zingiberaceae, Iridaceae, Amaryllidaceae, Taccaceae, Roxburghiaceae (Stemonaceae) and Liliaceae (including Haemodoraceae).

HYDROCHARITACEAE

Blyxa bulbosa Lévl. = *Sagittaria pygmaea* Miq. (Alismataceae).

Bootia mairei Lévl. = *Monochoria vaginalis* (Burm. f.) C. B. Presl. (Pontederiaceae).

Hydrolirion coreanum Lévl. = *Sagittaria pygmaea* Miq. (Alismataceae).

2037. *Ottellia acuminata* (Gagnep.) Dandy var. *acuminata* Dandy in Journ. Bot. 72:137 (1934) & 73:213, t. 4, 214 (1935); H. Li in Acta Phytotax. Sin. 19:34 (1981); Cook & Urmi-König in Aquat. Bot. 20:150 (1984).

Bootia acuminata Gagnep. in Bull. Soc. Bot. France 54:538 (1907).

Bootia esquirolii Lévl. & Van. in Fedde, Rep. Sp. Nov. 5:9 (1908); Gagnep. in Lévl., Fl. Kouy-Tchéou 196 (1914).

Oligolobus triflorus Gagnep. in Bull. Soc. Bot. France 55:43 (1908); Gagnep. in Lévl., in Fl. Kouy-Tchéou 197 (1914).

Xystrolobos yunnanensis Gagnep. var. *calospatha* Lévl., Cat. Pl. Yunnan 131 (1916).

Ottelia esquirolii (Lévl. & Van.) Dandy in Journ. Bot. 72:137 (1934) & 73:212, t. 1-2 (1935); Hand.-Mazz., Symb. Sin. 7:1189 (1936).

CHINA. Kweichow, commune dans les étangs et les rizières, marécageuses, viii 1905, *Esquirol* 732 (holo. *B. esquirolii*, E); Yunnan, plaine de Tong-Tchouan, 2500 m, plante aquatique, complètement submergée, feuilles gélatineuses, diaphanes d'un vert pale, fleurs blanches, très délicates, surnageantes étangs, viii, *E. E. Maire* s.n. (holo. var. *calospatha*, E).

2038. *Ottelia alismoides* (L.) Persoon, Synopsis Plantarum 1:400 (1805); Cook & Urmi-König in Aquat. Bot. 20:133 (1984).

Stratiotes alismoides L., Sp. Pl. 1:535 (1753).

Hydrocharis bodinieri Lévl. & Van. in Fedde, Rep. Sp. Nov. 5:10 (1908).

Bootia bodinieri (Lévl. & Van.) Lévl. & Van. in Fedde, Rep. Sp. Nov. 8:141 (1910).

Ottelia bodinieri (Lévl. & Van.) Dandy in Journ. Bot. 72:138 (1934).

KOREA. Route de Chemulpo à Seoul, rizières, marécages, 13 ix 1889, *Bodinier* s.n. (holo *H. bodinieri*, E).

* Continued from Notes RBG Edinb. 42:598 (1985).

2039. *Ottelia sinensis* (Lévl. & Van.) Lévl. ex Dandy in Journ. Bot. 72:137 (1934) & 73:212 (1935); H. Li in Acta Phytotax. Sin. 19:34 (1981) pro syn. sub *O. acuminata*; Cook & Urmi-Konig in Aquat. Bot. 20:167 (1984).

Bootia sinensis Lévl. & Van. in Fedde, Rep. Sp. Nov. 5:79; 10, 20 (Jan. 1908).

Oligobolus triflorus Gagnep. in Bull. Soc. Bot. Fr. 55:34 (March 1908). CHINA. Kweichow, Pin-fa, ruisseau, fleurs blanches, 1 iii (1902), *Cavalerie* 815 (holo. *B. sinensis* & iso. *Oligobolus triflorus*, E).

ORCHIDACEAE

When preparing the Flora of Kouy-Tchéou, Lévillé sent the relevant Orchidaceae to specialists such as Finet, Rolfe and Schlechter for naming. The latter pair of authors are accredited with the names in his flora. Quite a few new species were published by these authors from the Lévillé herbarium and many of the duplicate types of Schlechter's were lost during the bombing of Berlin. As these types were not described by Lévillé they will not appear in the Lévillé catalogue. It is hoped that a list of the Orchid types in the Lévillé Herbarium will be published later.

Lévillé himself described only one Chinese orchid.

2040. *Orchis chusua* D. Don, Prodr. Fl. Nepal. 23 (1825); Wang, Tang & Lang in Acta Phytotax. Sin. 18:4 (1980).

Orchis mairei Lévl., Cat. Pl. Yunnan 197 (1916).

Ponerorchis chusua (D. Don) Soó in Act. Bot. Acad. Sci. Hung. 12:352 (1966).

CHINA. Yunnan, rochers au sommet du Io-Chan, 3400 m, vi 1912, *E. E. Maire* s.n. (holo. *O. mairei*, E).

ZINGIBERACEAE

2041. *Globba bulbosa* Gagnep. in Bull. Soc. Bot. France 48:202 (1901).

Globba mairei Lévl. in Fedde, Rep. Sp. Nov. 11:493 (1913) & Cat. Pl. Yunnan 260 (1917).

CHINA. Yunnan, sous bois de Long-Ky, 700 m. Liliacée vivace, fleur blanches, iv 1911, *E. E. Maire* s.n. (holo. *G. mairei*, E).

2042. *Zingiber* sect. *Cryptanthium* sp. aff. *pleiostachyum* K. Schum. in Pflanzenr. iv, 46:185 (1904).

Tupistra bambusifolia Lévl. & Van. in Mem. Pont. Accad. Roma dei Nuovi Lincei 24:349 (1906).

Tupistra bambusifolia Lévl. & Van. var. *rubro-maculosa* Lévl. & Van. loc. cit.

CHINA. Kweichow, Pin-fa, bois en pente, pied des rochers, lieux humides, 8 ix 1903, *Cavalerie* 1360 (holo. *T. bambusifolia*, E); Pin-fa, avec *Cavalerie* 1360 (holo. var. *rubro-maculosa*, E).

The above type specimens have remarkably narrow leaves no more than 3 cm wide, and the type of var. *rubro-maculosa* is in mature fruit showing that it is not just a young plant.

IRIDACEAE

- 2043. *Belamcanda chinensis* (L.) DC.** in Redouté, Liliac. 3 t. 121 (1805).
Ixia chinensis L., Sp. Pl. 36 (1753).

Belamcanda pampaninii Lévl. in Fedde, Rep. Sp. Nov. 8:59 (1910) & Fl. Kouy-Tchéou 201 (1914).

CHINA. Kweichow: Choui-mi-tsin (Hoang-tsao-pa), fleur jaune, foncé, picotée de points, vi 1909, *Esquirol* 1565 (holo. *B. pampaninii*, E).

- 2044. *Iris decora* Wall.**, Pl. Asiat. Rar. 1:77, t. 86 (1830).

Iris nepalensis D. Don, Prod. Fl. Nepal. 54 (1825) non Wallich (1824); Dykes, Gen. Iris 184 (1913); Lévl., Cat. Pl. Yunnan 134 (1916).

Iris yunnanensis Lévl. in Fedde, Rep. Sp. Nov. 6:113 (1908).

Iris duclouxii Lévl. in Fedde, Rep. Sp. Nov. 6:113 (1908); Dykes, Genus Iris 186 (1913) pro syn. sub *I. collettii* Hook. f.

CHINA. Yunnan, Yunnansen, Tong-Chan, 28 vi 1905, *Ducloux* 350 (holo. *I. yunnanensis*, E); Tong-Chan, 1 vii 1905, *Ducloux* 820 (synt. *I. duclouxii*, E).

Ducloux 349, also cited under *I. duclouxii* by Léveillé has not been traced and is not listed in the Léveillé herbarium.

- 2045. *Iris grijsi* Maxim.** in Bull. Acad. Sci. St. Pétersb. 26:515 (1880); Dykes, Genus Iris 47 (1913).

Iris cavaleriei Lévl. in Mem. Pont. Accad. Roma dei Nuovi Lincei 23:346 (1905).

CHINA. Kweichow, Kouy-yang, bord du fleuve, 15 v 1900, *Cavalerie* s.n. (holo. *I. cavaleriei*, E).

AMARYLLIDACEAE

- 2046. *Crinum latifolium* L.**, Sp. Pl. 291 (1753) & Icon. Corm. Sin. 5:551 (1976).
Crinum esquirolii Lévl. in Mem. Pont. Accad. Nuovi Lincei 24:343 (1906) & Fl. Kouy-Tchéou 24 (1914).

CHINA. Kweichow. J'ai l'ai fait plantes dans le jardin de Ouang-mou, hauteur 5-8 dec., plantes à bulbes, 18 vi 1904, *Esquirol* 134 (holo. *C. esquirolii*, E).

- 2047. *Curculigo capitulata* (Lour.) O. Kuntze** in Rev. Gen. 703 (1891).

Tupistra esquirolii Lévl. & Van. in Mem. Accad. Pont. Nuovi Lincei 24:349 (1906); Lévl., Fl. Kouy-Tchéou 259 (1914).

Veratrum mairei Lévl. in Bull. Acad. Géog. Bot. 25:39 (1915) & Cat. Pl. Yunnan 170 (1916).

CHINA. Kweichow, Ouang-mou, bois, fleur jaune, vi 1904, *Esquirol* 79 (holo. *T. esquirolii*, E); Yunnan lieux ombrés à Long-Ky, 700 m, plante vivace, fleurs avant les feuilles, pas d'autre indication, vi 1912, *E. E. Maire* 20 (holo. *Veratrum mairei*, E).

- 2048. *Polianthes tuberosa* L.**, Sp. Pl. 1:316 (1753).

Funkia argyi Lévl. in Mem. Accad. Pont. Nuovi Lincei 24:350 (1906) & Fl. Reipubl. Pop. Sin. 14:50 (1980) pro syn. sub? *Hosta ventricosa* (Salisb.) Stearn.

Hosta argyi (Lévl.) Lévl., Fl. Kouy-Tchéou 249 (1914) & in Mem. Real Acad. Cienc. Artes Barcelona 12:15 (1916).

CHINA. Kiangsu, montagne de la petite chaîne du Long-Chan près Vou-sei. Plante d'environ 70-80 cm de hauteur, *d'Argy* s.n. (holo. *F. argyi*, E).

The label on the type specimen is difficult to read but it appears that the specimen came from Tsi-pao near Shanghai and was grown in a garden at Vou-sei. This plant is a native of Mexico and is only found in China as an introduction.

TACCACEAE

2049. *Tacca chantrieri* André in Revue Hort. 1901:541 (1901); Drenth in Blumea 20:393 (1972) & Flora Malesiana Bull. 7:813 (1976).

Clerodendron esquirolii Lévl. in Fedde, Rep. Sp. Nov. 11:298 (1912) & Fl. Kouy-Tchéou 439 (1915).

Tacca esquirolii (Lévl.) Rehder in Journ. Arn. Arb. 17:64 (1936); P'ei in Mem. Sci. Soc. China 1(3):162 (1932); Metcalf in Journ. Arn. Arb. 26:198 (1945), t. 5c-d, 7e.

CHINA. Kweichow: Bois de Ta-tham, très ombreux et chaud, tout l'inflor-escence rouge, lie de vin, feuilles radicales, fleur 1 m de haut sur tige simple, v 1912, *J. Esquirol* 2802 (holo. *Clerodendron esquirolii*, E).

ROXBURGHACEAE

(Stemonaceae)

2050. *Stemona japonica* (Bl.) Miq., Prod. Fl. Jap. 386 (1867); Tsi Zhan-Huo in Acta Phytotax. Sin. 16(1):43 (1978).

Roxburghia japonica Bl., Enum. Pl. Jav. 1:9 (1827).

Helwingia argyi Lévl. & Van. in Bull. Herb. Boiss. sér. 2, 6:506 (1906).

Stemona argyi (Lévl. & Van.) Lévl. in Fedde, Rep. Sp. Nov. 10:441 (1912) & in Mem. Real Acad. Cienc. Artes Barcelona 12:20 (1916).

CHINA. Kiangsou, *d'Argy* s.n. (synt. *Helwingia argyi*, E); Ngan-hoei [Anhwei] Sui-tcheou, *d'Argy* s.n. 1848-66 (synt. *Helwingia argyi*, E).

2051. *Stemona mairei* (Lévl.) Krause in Notizbl. Bot. Gart. Berlin 10:289 (1928); Hand.-Mazz., Symb. Sin. 7:1225 (1936); Tsi Zhan Huo in Acta Phytotax. Sin. 16(1):44 (1978).

Dianella mairei Lévl. in Bull. Acad. Géog. Bot. 25:39 (1915).

Disporum mairei Lévl. in Le Monde des Plantes 18:54 (1917) syn. nov.

CHINA. Yunnan, pâturages de Kia-Kia, 400 m, fleuve bleue, vivace, dressée, fleurs roses, vi 1912, *E. E. Maire* (synt. *Dianella mairei*, E); rochers arides des montagnes à Tong Koue-pin, 3000 m, Liliacée vivace, racine fibreuse, fleurs roses, iv, *E. E. Maire* (synt. *Dianella mairei*, E); brousse de Mou-tsou, 800 m, Liliacée vivace, fleurs roses, v [1911-1912], *E. E. Maire* (synt. *Dianella mairei*, E); halliers de Lan-gni-tsin, 3300 m, plante vivace grimpante, fleurs blanches, vii [1911-12], *E. E. Maire* (holo. *Disporum mairei*, E).

LILIACEAE

2052. *Aletris foliata* (Maxim.) Bur. & Franch. in Journ. de Bot. 5:156 (1891); Wang & Tang in Bull. Fan. Mem. Inst. Biol. Peiping Bot. 7:282 (1937).

Metanarthecium foliatum Maxim, in Trautv., Regel, Maxim. & Winkl., Decas. Pl. Nov. 10:10 (1882).

Aletris fauriei Lévl. & Van. in Fedde, Rep. Sp. Nov. 5:283 (1908); Nakai in Bull. Nat. Sci. Mus. Tokyo 31:146 (1952).

KOREA. In monte des Diamants, 22 vi 1906, *Faurie* 263 (holo. *A. fauriei*, E).

2053. *Aletris laxiflora* Bur. & Franch. in Journ. de Bot. 5:155 (1891); Wang & Tang in Fl. Reipubl. Pop. Sin. 15:174 (1978).

Ophiopogon cavaleriei Lévl. in Fedde, Rep. Sp. Nov. 7:259 (1909) & Fl. Kouy-Tchéou 195 (1914).

CHINA. Kweichow, montagnes de Ma-jo, très rare, 6 ix 1907, *J. Cavalerie* 3014 (holo. *Ophiopogon cavaleriei*, E).

2054. *Aletris pauciflora* (Klotzsch) Franch. in Journ. de Bot. 10:202 (1896), Wang & Tang in Fl. Reipubl. Pop. Sin. 15:172 (1978).

Stachyopogon pauciflorus Klotzsch in Klotzsch & Garcke, Bot. Ergebn. Reise Waldemar 49, t. 94 (1862).

Aletris mairei Lévl. in Bull. Acad. Géog. Bot. 25:37 (1915).

CHINA. Yunnan, pâturages des monts, à Tong-tchouan, 2600 m, Liliacée vivace, fleurs roses, vi, *E. E. Maire* s.n. (holo. *A. mairei*, E).

A. mairei Lévl. is a better match with *A. pauciflora* var. *khasiana*, a variety that is almost certainly not worth maintaining, than with var. *pauciflora* as is implied in Wang & Tang's treatment.

2055. *Allium cepa* L., Sp. Pl. 300 (1753).

Allium ophiopogon Lévl. in Fedde, Rep. Sp. Nov. 12:184 (1913); Nakai in Bot. Mag. Tokyo 27:215 (1913) pro syn. sub *A. nipponicum* Franch. & Sav.; Airy Shaw in Notes RBG Edinb. 16:147 (1931); Xu in Fl.

Reipubl. Pop. Sin. 14:261 (1980) pro syn. sub *A. thunbergii* G. Don.

KOREA. Quelpaert in insula Mounseum, sed in horto meo plantatum, viii 1911, *Taquet* 5213; in herbis parva insulae Mounseum, 9 viii 1910, *Taquet* 4039 (synts. *A. ophiopogon*, E).

Allium ophiopogon has caused some disagreement among various authors; with Nakai calling it *A. nipponicum*, Airy Shaw maintaining Léveillé's name and Xu regarding it as *A. thunbergii*. None of these authors appeared to have taken cognizance of the fact that one of the sheets mentions that the specimen was in cultivation.

2056. *Allium chinense* G. Don, Monogr. All. 83 (1827); Xu in Fl. Reipubl. Pop. Sin. 14:259 (1980).

Allium bakeri Regel, Allior. Monogr. 141 (1875); Airy Shaw in Notes RBG Edinb. 16:146 (1931).

Allium bodinieri Lévl. & Van. in Mem. Pont. Accad. Roma Nuovi Lincei 23:366 (1905); Lévl., Cat. Pl. Yunnan 163 (1916), non Lévl. (1914).

Allium martini [sic] Lévl. & Van. loc. cit. 23:368 (1905); Airy Shaw in Notes RBG Edinb. 16:146 (1931) pro syn. sub *A. bulleyanum*.

CHINA. Kweichow, environs de Kouy-yang, montagne du collège, berges des rizières, fleurs pourpres, 19 x 1898, *Bodinier* 2519 (holo. *A. bodinieri*, E); environs de Ganpin cimetières des chrétiens, fleurs d'un violet-lilas, 19 x 1897, *Martin & Bodinier* s.n. (holo. *A. martini*, E).

I am following Xu's (1980) treatment of making *A. bakeri* a synonym of *A. chinense*. It appears that Airy Shaw mistakenly looked at a different specimen when he identified *A. martinii* as *A. bulleyanum*, although he identified the actual type as *A. bakeri*.

2057. *Allium macranthum* Baker in Journ. Bot. 12:293 (1874); Airy Shaw in Notes RBG Edinb. 16:147 (1931); Xu in Fl. Reipubl. Pop. Sin. 14:212 (1980).

Allium simethis Lévl. & Giraudias in Fedde, Rep. Sp. Nov. 12:288 (1913) & Cat. Pl. Yunnan 163 (1916).

CHINA. Yunnan, rochers des pics derrière Tong-Tchouan, 2800 m, grand *Allium* vivace, fleurs roses, ix 1912, *E. E. Maire* s.n. (holo. *A. simethis*, E).

2058. *Allium macrostemon* Bunge, Enum. Pl. China Bor. Coll. 65 (1833); Xu in Fl. Reipubl. Pop. Sin. 14:265 (1980); Airy Shaw in Notes RBG Edinb. 16:146 (1931).

Allium iatasen Lévl. in Mem. Accad. Pont. Nuovi Lincei 24:351 (1906).

Allium chanetii Lévl. in Fedde, Rep. Sp. Nov. 12:184 (1913).

Allium grayi Rgl. var. *chanetii* (Lévl.) Lévl., Cat. Pl. Yunnan 163 (1916). CHINA. Kiangsou, ia-ta-seu, se trouvé aussi au Ngan-Hoei (Anhwei Prov.), Muy-Touo-Fou, vallée supérieure de Sai-Tchéou, d'Argy s.n. (holo. *A. iatasen*, E); Tché-Ly montagnes de Ping-Chan, frontière du Chan-Si, très rare, 15 vi 1908, *Chanet* 224 (holo. *A. chanetii*, E).

Note: ia-ta-seu (ia-ta-sen) may not be a locality but the common Chinese name for this plant.

2059. *Allium mairei* Lévl. (1) in Fedde, Rep. Sp. Nov. 7:339 (1909), Cat. Pl. Yunnan 163 (1916); Airy Shaw in Notes RBG Edinb. 16:146 (1931); Hand.-Mazz., Symb. Sin. 7:1195 (1936); Xu in Fl. Reipubl. Pop. Sin. 14:234, t. 60 (1980).

Allium mairei Lévl. (2) in Fedde, Rep. Sp. Nov. 7:384 (1909).

Allium giraudiasii Lévl., Cat. Pl. Yunnan 163 (1916), nom. nov. for *A. mairei* op. cit. 7:384 (1909).

CHINA. Yunnan, *E. E. Maire* 438 (typus *A. mairei* (1), n.v.): sine loc. *E. E. Maire* 439 (holo. *A. giraudiasii* & *A. mairei* (2), E).

2060. *Allium thunbergii* G. Don in Mem. Wern. Soc. 6:84 (1827); Xu in Fl. Reipubl. Pop. Sin. 14:261 (1980) excl. *A. ophiopogon* Lévl.

Allium japonicum Regel in Acta Hort. Petrop. 3:133 (1875); Airy Shaw in Notes RBG Edinb. 16:147 (1931).

Allium taquetii Lévl. in Fedde, Rep. Sp. Nov. 5:283 (1908); Nakai in Bot. Mag. Tokyo 27:216 (1913).

KOREA. Hallaisan, 1400 m, x 1907, *Taquet* 385 (synt. *A. taquetii*, E); Quelpaert supra, 1200 m, x 1906, *Faurie* 259 (synt. *A. taquetii*, E.).

2061. *Allium victorialis* L., Sp. Pl. 295 (1753); Lévl., Cat. Pl. Yunnan 163 (1916); Airy Shaw in Notes RBG Edinb. 16:146 (1931).

Allium cannaefolium Lévl. in Fedde, Rep. Sp. Nov. 13:339 (1914).

Allium prattii C. H. Wright apud Forb. & Hemsl. in Journ. Linn. Soc. Bot. 36:124 (1903); Xu in Fl. Reipubl. Pop. Sin. 14:207 (1980).

CHINA. Yunnan, rochers de Io-chan, 3300 m, *Allium vivace*, fleurs roses, viii 1913, *E. E. Maire* (holo. *A. cannaefolium*, E).

The holotype of *A. cannaefolium* has broadly lanceolate as well as moderately lanceolate leaves. An isotype (E) has slightly less broad leaves and was named as *A. victorialis* var. *angustifolium* Hook. f. by Airy Shaw and this is now a synonym of *A. prattii*.

2062. *Allium wallichii* Kunth, Enum. Pl. 4:443 (1843); Xu in Fl. Reipubl. Pop. Sin. 14:210 (1980).

Allium tchongchanense Lévl. in Fedde, Rep. Sp. Nov. 6:263 (1909) & Cat.

Pl. Yunnan 163 (1916) pro syn. sub *A. odorum* L.

Nothoscordum mairei Lévl. in Fedde, Rep. Sp. Nov. 7:384 (1909), Fl.

Kouy-Tchéou 250 (1914) & Cat. Pl. Yunnan 167 (1916).

Allium bulleyanum Diels in Notes RBG Edinb. 6:301 (1912); syn. nov.;

Airy Shaw in Notes RBG Edinb. 16:147 (1931).

Allium praelatitium Lévl. in Fedde, Rep. Sp. Nov. 12:288 (1913) & Cat.

Pl. Yunnan 163 (1916), syn. nov.

Allium feddei Lévl. in Fedde, Rep. Sp. Nov. 12:288 (1913) & Cat. Pl.

Yunnan 163 (1916), syn. nov.

Allium bulleyanum Diels var. *tchongchanense* (Lévl.) Airy Shaw in Notes

RBG Edinb. 16:139 (1931).

CHINA. Yunnan, Tchong-Chan, 17 ix 1905, *Ducoux* 434 (typus *A. tchongchanense*, n.v.); Yunnan, *E. E. Maire* 487 (holo. *N. mairei*, E); rochers des pics, derrière Tong-tchouan, 2800 m, *Allium vivace*, fleur violet-noir, ix 1912, *E. E. Maire* s.n. (holo. *A. praelatitium*, E); pâturages des collines à Tong-tchouan, 2550 m, *Allium isolé*, fleur violet-noir, ix 1912, *E. E. Maire* s.n. (holo. *A. feddei*, E).

2063. *Asparagus mairei* Lévl. in Fedde, Rep. Sp. Nov. 7:339 (1909) & Cat. Pl. Yunnan 164 (1916).

CHINA. Yunnan, hauts pics, v 1906, *E. E. Maire* 452 (typus n.v.).

2064. *Asparagus meiocladus* Lévl. in Fedde, Rep. Sp. Nov. 8:59 (1910) & Fl. Kouy-Tchéou 247 (1914); Wang & Tang in Fl. Reipubl. Pop. Sin. 15:111 (1978).

Asparagus mairei Lévl. in Fedde, Rep. Sp. Nov. 11:493 (i 1913), 12:288 (vii 1913) non *A. mairei* Lévl. *ibid.* 7:339 (1909).

Asparagus vaniotii Lévl., Cat. Pl. Yunnan 164 (1916).

Asparagus yunnanensis Lévl., Cat. Pl. Yunnan 164 (1916).

CHINA. Kweichow: Hoang-tsao-pa, haies, fleur blanche, vi 1909, *J. Esquirol*, 1524 (holo. *A. meiocladus*, E); Yunnan, pâturages, Tong-tchouan, 2600 m, vi 1910 (R.P.) *E. E. Maire* in Herb *Bonati* 7460 (holo. *A. mairei* (i 1913) & *A. vaniotii*, E); pâturages des mont. derrière Tong-tchouan, 2600 m. *Sparago vivax*, fleurs jaunes, fruits rouges, viii 1912, *E. E. Maire* s.n. (holo. *A. mairei* (vii 1913) & *A. yunnanensis*, E).

2065. *Asparagus officinalis* L. subsp. *officinalis*, Sp. Pl. 1, 313 (1753).

Asparagus stachyphyllus Lévl. & Van. in Fedde, Rep. Sp. Nov. 5:282 (1908); Nakai in Bot. Mag. Tokyo 27:214 (1913) & in Bull. Nat. Sci.

Mus. Tokyo 31:143 (1952), pro syn. sub *A. oligoclonos* Maxim.

KOREA. In montibus Fusan, v 1906, *Faurie* 282 (holo. *A. stachyphyllus*, E).

2066. *Asparagus oligoclonos* Maxim. in Mem. Acad. Sci. St. Pétersb. Sav. Etrang 9:286 (1859); Nakai in Bot. Mag. Tokyo 27:214 (1913) & in Bull. Nat. Sci. Mus. Tokyo 31:143 (1952).

Asparagus stachyphyllus Lévl. & Van. in Fedde, Rep. Sp. Nov. 5:282 (1908).

KOREA. In montibus Fusan, v 1906, *Faurie* 282 (holo. *A. stachyphyllus*, E).

2067. *Aspidistra lurida* Ker-Gawl. in Bot. Reg. 8:628 (1822).

Aspidistra kouy-tchensis Lévl. & Van. in Mem. Acad. Pont. Nuovi Lincei 23:363 (1905); Lévl., Fl. Kouy-tchéou 248 (1914).

Aspidistra kouy-tchensis Lévl. var. *aucubaemaculata* in Mem. Acad. Pont. Nuovi Lincei 23:363 (1905).

CHINA. Kweichow: Pin-fa, pentes humides des bois, i 1903, *Cavalerie* 851 (holo. *A. kouy-tchensis*, E); sine loc., *E. Bodinier* s.n. (holo. var. *aucubaemaculata*, E).

Dianella mairei Lévl. = *Stemona mairei* (Lévl.) Krause (Roxburghiaceae).

2068. *Disporopsis pernyi* (Hua) Diels in Bot. Jahrb. 29:239 (1901); Hand.-Mazz., Symb. Sin. 7:1211 (1936). Fl. Reipubl. Pop. Sin. 15:84 (1978).

Aulisconema pernyi Hua in Journ. de Bot. 6:472, t. 14 f. 2 (1892).

Polygonatum bodinieri Lévl. in Bull. Acad. Géog. Bot. 12:262 (1903) & in Mem. Acad. Pont. Nuovi Lincei 23:357 (1905).

Polygonatum ensifolium Lévl. in Bull. Acad. Géog. Bot. 12:261 (1903) & Mem. Acad. Pont. Nuovi Lincei 23:357 (1905); C. Jeffrey in Kew Bull. 34:467 (1980) pro syn. sub *Disporopsis* sp.

Polygonatum ensifolium Lévl. var. *didymocarpum* Lévl. in Mem. Acad. Pont. Nuovi Lincei 24:344 (1906).

CHINA. Kweichow, environs de Tsin-Gay, haute montagne, à Kaō-Pō (en fruits), 16 xii 1897, *Laborde & Bodinier*, s.n. (holo. *P. ensifolium*, E); Pin-fa, gorge ombreuse, rare, 17 xi 1902, *Cavalerie* 672 (holo. var. *didymocarpum*, E); Mont. de Lou-tsong-koan à l'entre de la grotte (typus *P. bodinieri*, n.v.).

2069. *Disporum bodinieri* (Lévl. & Van.) Wang & Tang in Fl. Reipubl. Pop. Sin. 15:44 t. 15 (1978) quoad typus non descr. et tab, excl. *Tovaria longistyla* Lévl. & Van. et *D. cavaleriei* Lévl. & *T. esquirolii* Lévl., Hara in Journ. Jap. Bot. 59:39 (1984).

Tovaria bodinieri Lévl. & Van. in Mem. Acad. Pont. Nuovi Lincei 23:360 (1905).

Disporum pullam Salisb. var. *ovalifolium* Lévl. in Fedde, Rep. Sp. Nov. 7:384 (1909).

Disporum brachystemon Wang & Tang in Contrib. Inst. Bot. Nat. Acad. Peiping 6:19 (1949).

CHINA. Kweichow, environs de Gan-pin, dans les rocaillies près de la ville, dans les creux, rare, fleurs blanches, 29 iv 1897, *Bodinier* 1546 (holo. *T. bodinieri*, E).

D. bodinieri can be distinguished from *D. longistylum* by its smaller flowers (7 mm), broadly ovate lanceolate leaves and shorter styles.

- 2070. *Disporum cantoniense*** (Lour.) Merr. in Philip. Journ. Sci. 15:229 (1919).
Tovaria esquirolii Lévl. p.p. maj. in Fedde, Rep. Sp. Nov. 6:264 (1909)
 and in Fl. Kouy-Tchéou 258 (1914).

CHINA. Kweichow, fleur blanche, *Esquirol* 911 (holo. *T. esquirolii*, E).

A twig with three leaves in the centre of the type sheet is of semi-woody material and does not belong to *Disporum*.

- 2071. *Disporum longistylum*** (Lévl. & Van.) Hara in Journ. Jap. Bot. 59:40 (1984).

Tovaria longistyla Lévl. & Van. in Mem. Accad. Pont. Nuovi Lincei 23:361 (1905); Lévl., Fl. Kouy-Tchéou 258 (1914); K. Krause in Notizbl. Bot. Gart. Berlin 11, 105:330 (1932) pro syn. sub *D. pullam* Salisb.: Wang & Tang in Icon. Corm. Sin. 5:511 t. 7852 (1976) and in Fl. Reipubl. Pop. Sin. 15:44, t. 15 (1978) pro syn. sub *D. bodinieri* (Lévl. & Van.) Wang & Tang.

?*Disporum cavaleriei* Lévl. & Van. in Fedde, Rep. Sp. Nov. 6:264 (1909); Lévl., Fl. Kouy-Tchéou 248 (1914); K. Krause in Notizbl. Bot. Gart.

Berlin 11, 105:330 (1932) pro syn. sub *D. leschenaultianum* D. Don.

CHINA. Kweichow, Pin-fa, bois, fleurs jaunes, 15 iii 1902, *Cavalerie* 1308 (holo. *T. longistyla*, E); Pin-fa, 14 x 1902, *Cavalerie* 648 (holo. *D. cavaleriei*, E).

The type of *D. cavaleriei* is a fruiting specimen which makes it impossible to be certain of its identity, hence the query against this synonym. *D. longistylum* seems so close to *D. bodinieri* that it may be better to regard it as a variety of that species.

Disporum mairei Lévl. (1917) = *Stemona mairei* (Lévl.) Krause (Roxburghiaceae).

- 2072. *Disporum sessile*** D. Don ex J. A. & J. H. Schultes, Roem. & Schultes Syst. Veg. 7:370 (1829); Ohwi, Fl. Jap. 318 (1956); Kitagawa & Ohwi, New Fl. Jap., 429 (1983); Hara in Bot. Mag. Tokyo 52:461 (1938); Nakai in Bull. Nat. Sci. Mus. Tokyo 31:145 (1952).

Tovaria hallaisanensis Lévl. in Fedde, Rep. Sp. Nov. 6:264 (1909).

Disporum taquetii Lévl. in Fedde, Rep. Sp. Nov. 10:372 (1912); Nakai in Bull. Nat. Sci. Mus. Tokyo 31:145 (1952).

Disporum hallaisanense (Lévl.) Ohwi in Acta Phytotax. Geobot. 1:142 (1932); Nakai in Journ. Jap. Bot. 18: 223 (1942); Nakai in Bull. Nat. Sci. Mus. Tokyo 31:145 (1952).

KOREA. In sepihus Hallaisan, v 1907, *Faurie* 2119 (holo. *Tovaria hallaisanensis* & *Disporum taquetii*, E).

- 2073. *Fritillaria cirrhosa*** D. Don, Fl. Nepal. 51 (1825); W. W. Smith in Trans. Bot. Soc. Edinb. 28:138 (1923); Wilson, Lilies of E Asia 13 (1925); Wang & Tang in Fl. Reipubl. Pop. Sin. 14:105 (1980).

Lilium bonatti Lévl. in Fedde, Rep. Sp. Nov. 11:303 (1912) and Cat. Pl. Yunnan 165 (1916).

Fritillaria cirrhosa D. Don var. *bonatii* (Lévl.) S. C. Chen in Acta Bot. Yunnan 5:374 (1983).

CHINA. Yunnan, Pé-long-tsin, pic deux cornes, 3400 m, fleurs vertes, tachées de faune, tubercule employé en médecine sous le nom de pei-mou, *E. E. Maire* in Herb. Bonati 7336 (holo. *L. bonatii*, E).

Funkia (Hosta) argyi Lévl. = *Polianthes tuberosa* L. (Amaryllidaceae).

2074. *Heterosmilax gaudichaudiana* (Kunth) Maxim. in Bull. Acad. Sci. St. Pétersb. 17:176 (1872); Rehder in Journ. Arn. Arb. 17:64 (1936); Koyama in Brittonia 36:199 (1984).

Smilax gaudichaudiana Kunth, Enum. Pl. 5:252 (1850).

Heterosmilax japonica Kunth var. *gaudichaudiana* (Kunth) Wang & Tang in Fl. Reipubl. Pop. Sin. 15:244 (1978).

Heterosmilax gaudichaudiana Kunth var. *latifolia* Bodinier ex Lévl. in Mem. Accad. Pont. Nuovi Lincei 23:350 (1905).

CHINA. Hong Kong, bords de l'Aqueduc, près Richmond Terrace, var à larges feuilles, 22 viii 1894, *Bodinier* s.n. (holo. *H. gaudichaudiana* var. *latifolia*, E).

2075. *Heterosmilax japonica* Kunth, Enum. Pl. 5:270 (1850).

Smilax stemonifolia Lévl. & Van. in Mem. Accad. Pont. Nuovi Lincei 23:356 (1905); Wang in Bull. Fan. Mem. Inst. Biol. 5:117 (1934); Rehder in Journ. Arn. Arb. 17:62 (1936).

CHINA. Hong Kong, Bois le long de Bowen Road, très rare, 14 viii 1894, *Bodinier* 804 (holo. *S. stemonifolia*, E).

2076. *Hosta venusta* Maekawa in Journ. Jap. Bot. 11:245, t. 2 & 3 (1935).

Funkia subcordata Spreng. var. *taquetii* Lévl. in Fedde, Rep. Sp. Nov. 9:322 (1911).

KOREA. Quelpaert in herbis Hallaisan, 1700 m, fleurs rose pâle, 4 viii 1910, *Taquet* 4047 (holo. var. *taquetii*, E).

2077. *Iphigenia indica* Kunth, Enum. Pl. 4:212 (1943); K. Krause in Notizbl. Bot. Gart. Berlin 11:329 (1932).

Lloydia melanantha Lévl. in Fedde, Rep. Sp. Nov. 11:493 (1913) and Cat. Pl. Yunnan 167 (1916); Fl. Reipubl. Pop. Sin. 14:82 (1980) pro syn. sub *Lloydia yunnanensis* Franch.

CHINA. Yunnan, pâturages derrière Kin-Tchong-Chan, 2600 m, Liliacée bulbeuse, fleurs noires, viii 1911, *E. E. Maire* (holo. *L. melanantha*, E).

2078. *Lilium amabile* Palibin in Acta Hort. Petrop. 19:113 (1901); Nakai in Bot. Mag. Tokyo 31:4 (1917); W. W. Smith in Trans. Bot. Soc. Edinb. 28:139 (1923); Wilson, Lilies of E Asia 80 (1925); Woodc. & Stearn, Lil. World, 139 (1950).

Lilium fauriei Lévl. & Van. in Fedde, Rep. Sp. Nov. 5:282 (1908); Nakai, Fl. Kor. 2:257 (1911).

KOREA. In montibus Kan-Quen-To, 3 vii 1901 (nec 1907), *Faurie* 653; in rupibus Hallaisan, rara, vii 1907, *Faurie* 2100 (synts. *L. fauriei*, E).

2079. *Lilium bakerianum* Coll. & Hemsl. subsp. *sempervivoideum* (Lévl.) McKean, stat. nov.

Lilium sempervivoideum Lévl. in Bull. Acad. Géog. Bot. 25:38 (1915) & Cat. Pl. Yunnan 166, t. 39 (1916); W. W. Smith in Trans. Bot. Soc. Edinb. 28:159 (1922); K. Krause in Notizbl. Bot. Gart. Berlin 9:530 (1926); Woodc. & Stearn, Lil. World 332 t. 116 (1950); Sealy in Kew Bull. 1950:295 (1950); Liang in Fl. Reipubl. Pop. Sin. 14:137 t. 37 (1980); Liang & Zhang in Acta Phytotax. Sin. 22:300 (1984).

Lilium amoenum Wilson ex Sealy in Bot. Mag. 166 t. 73 (1949).

Lilium sempervivoideum Lévl. subsp. *amoenum* (Wilson ex Sealy) Liang in Acta Phytotax. Sin. 22:299 (1984).

CHINA. Yunnan, rochers en face de Siao-ou-long, 2550 m, *Lilium* bulbeux (rare), fleurs blanches, pointillées de rouge à l'intérieur, vi 1911/12, *E. E. Maire* s.n.; collines rocaillies de Siao-ou-long, 2600 m, *Lilium* bulbeux, fleurs blanches, penchées, pointillées de brun endedans, vii 1911/12, *E. E. Maire* s.n. (synt. *L. sempervivoideum*, E).

I agree with Wilson in believing *L. amoenum* to be conspecific with *L. sempervivoideum*. Liang and Zhang state that *L. amoenum* and *L. sempervivoideum* have separate distributions with the former being found in NW and S Yunnan and the latter from S Sichuan to Central Yunnan. There are however specimens of *L. amoenum* (red flowered) in Edinburgh from E Yunnan. The type of *L. sempervivoideum* (white flowered) is also from E Yunnan. The Chinese authors state that although the types differ (slightly) in the size and shape of the leaves there are transitional forms. My colleague Mr A. Bennell assures me that the size differences in the pollen are not greatly significant to warrant separate recognition. I believe that *L. amoenum* and *L. sempervivoideum* are subspecies of the larger *L. bakerianum*.

2080. *Lilium bakerianum* Coll. & Hemsl. var. *rubrum* Stearn in Gard. Chron. ser. 3, 124:4 (1948); Woodc. & Stearn, Lil. World 150 (1950).

Lilium linceorum Lévl. & Van. in Mem. Pont. Accad. Roma. dei Nuovi Lincei 23:371 (1905); Lévl., Fl. Kouy-Tchéou 250 (1914) & Pl. Seu-Tchouen 106 t. 48 (1918); W. W. Smith in Trans. Bot. Soc. Edinb. 28:139 (1923) pro syn. sub *L. delavayi* Franch; Wilson, Lilies of E Asia 43 (1925) pro syn. sub *L. bakerianum* var. *delavayi* Wils.; Hand.-Mazz., Symb. Sin., 7:1198 (1936) pro syn. sub *L. delavayi* Franch.

CHINA. Kweichow, environs de Gan-pin, grandes rocaillies près de la ville, fleurs rouges piquetées à l'intérieur de points foncés, 11 vii 1897, *Martin & Bodinier* 1681 (holo. *L. linceorum*, E).

2081. *Lilium brownii* F. E. Brown var. *viridulum* Baker in Gard. Chron. ser. 2, 24:134 (1885).

Lilium brownii var. *colchesteri* (Van Houtte) Wils. ex Elwes in Gard. Chron. ser. 3, 70:101 (1921); Wilson, Lilies of E Asia 31 (1925).

Lilium discolor Lévl. nom. nud., Liliographia, 6 (1917).

Lilium longiflorum L. var. *purpureo-violaceum* Lévl. in Fedde, Rep. Sp. Nov. 6:264 (1909).

CHINA. Kweichow, 26 vi 1907, *Cavalerie* s.n. (holo. var. *purpureo-violaceum*, E).

2082. *Lilium callosum* Sieb. & Zucc., Fl. Jap. 1:86, t. 41 (1839); Nakai in Bot. Mag. Tokyo 31:5 (1917); W. W. Smith in Trans. Bot. Soc. Edinb. 28:141 (1923); Wilson, Lilies of E Asia 12 (1925); Woodc. & Stearn, Lil. World 172 (1950).

Lilium taquetii Lévl. & Van. in Fedde, Rep. Sp. Nov. 5:283 (1908).
KOREA. In herbis Hallaisan, viii 1907, *Faurie* 2101 (holo. *L. taquetii*, E).

2083. *Lilium cernuum* Kom. in Acta Hort. Petrop. 20:461 (1901); Nakai in Bot. Mag. Tokyo 31:5 (1917); Wilson, Lilies of E Asia 86 (1925); Woodc. & Stearn, Lil. World 192 (1950).

Lilium graminifolium Lévl. & Van. in Fedde, Rep. Sp. Nov. 5:283 (1908);
W. W. Smith in Trans. Bot. Soc. Edinb. 28:139 (1923) pro syn. sub *L. callosum* Sieb. & Zucc.

KOREA. In montibus Quen-San, 4 vii 1906, *Faurie* 253 (holo. *L. graminifolium*, E).

2084. *Lilium concolor* Salisb. in W. Hooker, Parad. Lond. 1: t. 47 (1806); W. W. Smith in Trans. Bot. Soc. Edinb. 28:140 (1923); Wilson, Lilies of E Asia 11 (1925); Woodc. & Stearn, Lil. World 199 (1950); Liang in Fl. Reipubl. Pop. Sin. 14:131 (1980).

Lilium mairei Lévl. in Fedde, Rep. Sp. Nov. 11:303 (1912) & Cat. Pl. Yunnan 165, t. 38 (1916).

CHINA. Yunnan, montagnes derrière Tong-Tchouan, 2700 m, petite liliacée bulbeuse, haut 0 m 20, fleur orange, pétales étroits et bien séparés, rare, v 1911, *E. E. Maire* s.n. (holo. *L. mairei*, E).

2085. *Lilium davidii* Duchartre in Elwes Monog. Lil. t. 24 (1877); W. W. Smith in Trans. Bot. Soc. Edinb. 28:138 (1923); Wilson, Lilies of E Asia 81 (1925); Woodc. & Stearn, Lil. World 206 (1950).

Lilium cavaleriei Lévl. & Van. in Mem. Accad. Pont. Nuovi Lincei 23:372 (1905).

CHINA. Kweichow, Gan-pin, *Cavalerie* s.n. (holo. *L. cavaleriei*, E).

The existing type specimen is a mixed sheet with a single flower and a stem with three leaves mounted separately from the labels and bearing the name '*Lilium cavaleriei* sp. nov.' W. W. Smith (1923) stated that this specimen was 'a puzzling fragment'. Although I believe that this is the specimen described as *L. cavaleriei* by Léveillé & Vaniot, I suspect that the labels may not belong to the specimen as according to Wang & Tang (1980) *L. davidii* does not occur in Kweichow.

2086. *Lilium fargesii* Franch. in Journ. de Bot. 6:317 (1892); W. W. Smith in Trans. Bot. Soc. Edinb. 28:139 (1923); Wilson, Lilies of E Asia 85 (1925); Liang in Fl. Reipubl. Pop. Sin. 14:150 (1980).

Lilium cupreum Lévl. in Bull. Acad. Géog. Bot. 25:38 (1915) & Cat. Pl. Yunnan 165 (1916).

CHINA. Yunnan?, rochers sous bois près de Ta-choui-Tsin [NE Yunnan, Daqiao?], 2000 m, lis cuivré, bulbeux, ses pétales recourbés endehors imitent une sphère, vii 1912, *E. E. Maire* s.n. (holo. *L. cupreum*, E).

2087. *Lilium henrici* Franch. in Journ. de Bot. 12:220 (1898); Woodc. & Stearn, Lil. World 225 (1950).

Lilium franchetianum Lévl., Liliographia 7 (1916) & in Monde des Plantes 109:58 (1917) nom. superfl.

Nomocharis henrici (Franch.) Wilson, Lilies of E Asia 13 (1925).

CHINA. Yunnan, sur la rive du Mekong, vers Lou-Kou, Prince Henri d'Orleans, 11 vii 1895 (holo. *L. henrici* and *L. franchetianum*, P, n.v.).

2088. *Lilium pyi* Lévl. in Fedde, Rep. Sp. Nov. 6:263 (1909) & Cat. Pl. Yunnan 165 (1916); W. W. Smith in Trans. Bot. Soc. Edinb. 28:140 (1923); Wilson, Lilies of E Asia 94 (1925); K. Krause in Notizbl. Bot. Gart. Berlin 9:539 (1926); Woodc. & Stearn, Lil. World 326 (1950); Syngé, Lilies 52 (1980).

CHINA. Yunnan, Nieou-Ko-Chan près Pin-Tchouan, 7 viii 1906, Jean Py 426 (typus *L. pyi*, n.v.).

The above authors have maintained this name but with reservations as none of them have seen the type. Smith (1923) suggests an affinity with *L. ochraceum* and *L. taliense*. *L. pyi* will therefore remain in doubt until the specimen is found.

2089. *Lilium primulinum* Bak. var. *ochraceum* (Franch.) Stearn in Gard. Chron., ser. 3, 124:13 (1948); Woodc. & Stearn, Lil. World 323 (1950).

Lilium ochraceum Franch. in Journ. de Bot. 6:319 (1892); Wilson, Lilies of E Asia 61 (1925).

Lilium tenii Lévl. in Fedde, Rep. Sp. Nov. 6:263 (1909) & Cat. Pl. Yunnan 165 (1916); W. W. Smith in Trans. Bot. Soc. Edinb. 28:134, 141 t. 5, 6 (1923); Grove in Gard. Chron. ser. 3, 73:274 t. 128 (1923); Woodc. & Stearn, Lil. World 349 (1950).

Lilium majoense Lévl. in Fedde, Rep. Sp. Nov. 6:265 (1909); Fl. Kouy-Tchéou 250 (1914).

Lilium bodinieri Lévl. in sched.

CHINA. Yunnan, Lou-pou, près Tong-tchouan, viii 1907, Ten 435 (holo. *L. tenii*, E); Kweichow, Ma-jo, fleur blanche-rouge, noir pourpre à l'intérieur vus le milieu, 24 vii 1907, Cavalerie 3017 (holo. *L. majoense*, E).

L. tenii is merely a broad leaved form of var. *ochraceum*. The resupinate fruit mentioned by W. W. Smith (1923) is more pronounced than is typical for this variety.

2090. *Lilium taliense* Franch. in Journ. de Bot. 6:319 (1892); W. W. Smith in Trans. Bot. Soc. Edinb. 28:139 (1923); Wilson, Lilies of E Asia 10, 64 (1925); Woodc. & Stearn, Lil. World 348 (1950); Wang & Tang in Fl. Reipubl. Pop. Sin. 14:141 (1980).

Lilium feddei Lévl. in Fedde, Rep. Sp. Nov. 11:303 (1912) & Cat. Pl. Yunnan 165 (1916).

CHINA. Yunnan, rochers de Ma-hong, 2800 m, voisin du *L. nepalense* Don mais feuilles de 3 nervures, du perianth égale, fleurs jaunes, tubercule petit, iv 1910, E. E. Maire 7335 in Herb. Bonati (holo. *L. feddei*, E).

2091. *Liriope spicata* (Thunb.) Lour. f. **koreana** (Palibin) Hara in Journ. Jap. Bot. 59:38 (1984).

Ophiopogon spicatus Ker-Gawl. var. *koreanus* Palibin in Acta Hort. Petrop. 19:106 (1901).

Ophiopogon fauriei Lévl. & Van. in Fedde, Rep. Sp. Nov. 5:283 (1908); Wang & Tang in Fl. Reipubl. Pop. Sin. 15:124 (1978) pro syn. sub *Liriope minor* (Maxim.) Makino.

Mondo fauriei (Lévl. & Van.) Farwell in Amer. Midl. Nat. 7:43 (1921). KOREA. Quelapaert in petrosis tomentum, vii 1907, *Faurie* 2098 (holo. *O. fauriei*, E).

2092. *Lloydia yunnanensis* Franch. in Journ. de Bot. 12:192 (1898); Fl. Reipubl. Pop. Sin. 14:82 (1980).

Lloydia mairei Lévl. in Bull. Acad. Géog. Bot. 25:38 (1915) & Cat. Pl. Yunnan 167 (1916); Hand.-Mazz., Symb. Sin. 7:1202 (1936).

CHINA. Yunnan, sur mousse des rochers à Ta-hai, 3200 m, petite plante vivace, fleurs blanches, vii 1912, *E. E. Maire* s.n. (holo. *L. mairei*, E).

2093. *Nomocharis pardanthina* Franch. in Journ. de Bot. 3:113, t. 3 (1889); Sealy in Bot. Journ. Linn. Soc. 87:291 (1983).

Nomocharis mairei Lévl. in Fedde, Rep. Sp. Nov. 12:287 (1913); Hand.-Mazz., Symb. Sin. 7:1200 (1936); Fl. Reipubl. Pop. Sin. 14:161, t. 46 (1980).

CHINA. Yunnan, pâturages, plateau de Ta-hai, 3200 m, Liliacée bulbeuse, fleurs blanches, mouchetées de noir, vii 1912, *E. E. Maire* s.n. (holo. *N. mairei*, E).

2094. *Ophiopogon bockianus* Diels in Bot. Jahrb. 29:254 (1901); Hand.-Mazz., Symb. Sin. 7:1218 (1936), var. **bockianus**.

Ophiopogon mairei Lévl. in Fedde, Rep. Sp. Nov. 11:493 (1913); Wang & Tang in Fl. Reipubl. Pop. Sin. 15:150 (1978).

Anemarrhena mairei (Lévl.) in Bull. Acad. Géog. Bot. 38:304-5 (1915). CHINA. Yunnan, bord des torrents sous bois à Ku-long-tchang, 800 m, plante vivace toujours verte, fleur verdâtres-blanchâtres, vi 1911, *E. E. Maire* s.n. (holo. *O. mairei*, E).

This species may be synonymous with *O. griffithii* Hooker.

2095. *Ophiopogon bockianus* Diels var. **angustifolius** Wang & Tang in Fl. Reipubl. Pop. Sin. 15:252 (1978).

Ophiopogon loufouense Lévl. in Fedde, Rep. Sp. Nov. 9:78 (1910) syn. nov., Fl. Kouy-Tchéou 247 (1914) pro syn. sub *Anemarrhena cavaleriei* Lévl.

CHINA. Kweichow, Lo-fou, bord de rivière, iii 1909, *Cavalerie* 3647 (holo. *O. loufouense*, E).

This taxon may represent a form of the variable *Ophiopogon intermedius* D. Don.

2096. *Ophiopogon intermedius* D. Don, Prod. Fl. Nepal. 48 (1825).

Ophiopogon bodinieri Lévl. in Mem. Accad. Pont. Nuovi Lincei 23:343 (1905), 24:339, 341 (1906), Fl. Kouy-Tchéou 195 (1914) & Ill. Pl. Seu Tchouen t. 42 (1918); Wang & Dai in Fl. Reipubl. Pop. Sin. 15:162 (1978).

Ophiopogon stolonifer Lévl. & Van. in Mem. Accad. Pont. Nuovi Lincei 23:344 (1905), 24:341 (1906) in clavi; Lévl., Fl. Kouy-Tchéou 196 (1914); Wang & Dai in Fl. Reipubl. Pop. Sin. 15:163 (1978) pro syn. sub *O. japonicus* (L. f.) Ker-Gawl.

Anemarrhena cavaleriei Lévl., Fl. Kouy-Tchéou 247 (1914) nom. superfl.

Ophiopogon filiformis Lévl. in Bull. Acad. Géog. Bot. 25:25 (1915).

CHINA. Kweichow, Mont. de Lou-tsong-koan, dans les bois, fleurs blanches, 12 vii 1897, *Bodinier* 1667 (lecto. *O. bodinieri*, E); environs de Kouy-Yang, bois de Kien-lin-chan, jolies fleurs blanches, racines à renflement bulbeux, 7 vii 1898, *Bodinier* 1667 bis (synt. *O. bodinieri*, E); Pin-fa, près chutes d'eau, fleur bleue, 11 vii 1903, *Cavalerie* 1061 (synt. *O. bodinieri*, E); environs de Gan-pin au fond d'un ravine, fleurs blanc-violace, 23 vi 1897, *Martin & Bodinier* 1634 (synt. *O. bodinieri*, E); environs de Ho-pie (tchen-lin), fleurs blanches, 18 vii 1898, *Seguin & Bodinier* 2443 (synt. *O. bodinieri*, E); Pin-fa près cascades, fleur blanches, iv 1903, *Cavalerie* 1292 (holo. *O. stolonifer* & *Anemarrhena cavaleriei*, E); Yunnan, mont. de Kiao-mi-ti, 3200 m, *Ophiopogon* à feuilles étroites, fleur blanches ou violacées, vi 1912, *E. E. Maire* s.n. (holo. *O. filiformis*, E).

2097. *Ophiopogon jaburan* (Kunth) Lodd., Bot. Cab. 19: t. 1876 (1832).

Fluggea jaburan Kunth, Enum. Pl. 5:303 (1850).

Ophiopogon taquetii Lévl. in Fedde, Rep. Sp. Nov. 8:171 (1910), syn. nov.

Mondo taquetii (Lévl.) Nakai in Bull. Nat. Sci. Mus. Tokyo 31:144 (1952).

KOREA. Quelpaert, Hongno, cascade, 28 viii 1908, *Taquet* 1582 (holo. *O. taquetii*, E).

2098. *Ophiopogon japonicum* (L.f.) Ker-Gawler in Curtis' Bot. Mag. 27: t. 1063 (1807).

Convallaria japonica L.f. Suppl. Pl. 204 (1781).

Ophiopogon argyi Lévl. in Fedde rep. Sp. Nov. 9:77 (1910).

CHINA. Kiangsu, Vulgo nom Ma-men-tong, d'*Argy*. s.n. (holo. *O. argyi*, E).

INTRODUCTION TO PARIS POLYPHYLLA

The genus *Paris* and especially the *P. polyphylla* group has, in recent years, been viewed differently by various authors. Hara (1969) treated many of the *Paris* species as subspecies and varieties of *P. polyphylla*, and regarded many of the characters being used to split up this complex as quite variable and so useless for taxonomic purposes. Li Hen (1984) on the other hand has her classification based on such characters as placentation of the ovary, ratio of stamens to sepals, and differing connective lengths, and number and shape of style and ovary respectively. Takhtajan (1983) has gone even further by splitting *Paris* into three separate genera, *Paris*, *Kinugasa* and *Daiswa*, depending on ovary and style shape and form, fruits capsular or baccate, rhizomes thick or slender and lastly whether the seeds are arilate or not.

Taken collectively these characters would have weight but unfortunately according to Hara some vary from population to population. I feel that Li Hen and Takhtajan have both used unreliable characters and have split up the genus *Paris* unnecessarily and I therefore choose, in the main, to follow Hara.

2099. *Paris polyphylla* Sm. in Rees Cyclop. 26:2 (1819); Wang & Tang in Fl. Reipubl. Pop. Sin. 15:92 (1978), subsp. ***polyphylla* var. *polyphylla*.**

Paris delavayi Franch. in Journ. de Bot. 12:190 (1898).

Paris henryi Diels in Bot. Jahrb. 20:252 (1900).

Paris debauxii Lévl. in Mem. Accad. Pont. Nuovi Lincei 24:355 (1906) & Fl. Kouy-Tchéou 251 (1914).

Paris vaniotii Lévl. in Mem. Accad. Pont. Nuovi Lincei 24:355 (1906); H. Li in Acta Bot. Yunnan 6:359 (1984).

Paris mairei Lévl. in Fedde, Rep. Sp. Nov. 11:302 (1912); H. Li in Acta Bot. Yunnan 6:357 (1984).

Paris marchandii Lévl. in Fedde, Rep. Sp. Nov. 12:533 (1913) and Fl. Kouy-Tchéou 252 (1914); K. Krause in Notizbl. Bot. Gart. Berlin 11:330 (1932) pro syn. sub *P. petiolata* Bak. var. *membranacea* C. H. Wright.

Paris polyphylla Sm. var. *appendiculata* Hara, Fl. E Himal. 410 (1966).

Daiswa polyphylla (Sm.) Rafin., Fl. Thellur 4:18 (1838); Takhtajan in Brittonia 35:264 (1983).

CHINA. Yunnan, pâturages de Tong-Tchouan, 2700 m, vi 1910, *E. E. Maire* in Herb. Bonati 7457 (holo. *P. mairei*, E); Kweichow, Pin-fa, bois, 24 iv 1903, *Cavalerie* 533 (holo. & iso. *P. debauxii*, E); Pin-fa, fleurs vert-jaunes, 25 v 1902, *Cavalerie* 1309 (holo. *P. vaniotii*, E); Tong-Tchéou, forêt, 1400 m, 22 vi 1912, *Esquirol* 3259 (holo. *P. marchandii*, E).

The holotype of *P. debauxii* is a mature fruiting specimen and has petals 10 cm long. The isotype of this is a flowering specimen which has the same distinctive long lanceolate and almost parallel-sided leaves which taper suddenly at the tip and rather less so at the base. The petals on this specimen are only 2 cm long indicating that the petals elongate in fruit. The type specimen of *P. vaniotii* is exactly intermediate between the two stages, having the same distinctive leaves but 5 cm long petals and there are other intermediates. Takhtajan (op. cit., 1983) in his key separates *D. polyphylla* from *D. delavayi* by the differing petal size. The above evidence, however, shows that *P. delavayi* is another synonym of *Paris (Daiswa) polyphylla* Sm.

I believe that *P. mairei* Lévl. merely represents a depauperate form of *P. polyphylla* Sm.

2100. *Paris polyphylla* Sm. subsp. ***fargesii* (Franch.) Hara** in Journ. Fac. Sci. Univ. Tokyo 10:177 (1969).

Paris fargesii Franch. in Journ. de Bot. 12:190 (1898); Wang & Tang in Fl. Reipubl. Pop. Sin. 15:91 (1978).

Paris dunniiana Lévl. in Fedde, Rep. Sp. Nov. 9:78 (1910) & Fl. Kouy-Tchéou 251 (1914); H. Li in Acta Bot. Yunnan 6:357 (1984) & in Bull. Bot. Research 6:109 (1986).

Paris hookeri Lévl. in Fedde, Rep. Sp. Nov. 7:231 (1909) & Fl. Kouy-Tchéou 252 (1914).

Daiswa dunniana (Lévl.) Takht. in Brittonia 35:257 (1983).

Daiswa fargesii (Franch.) Takht. in Brittonia 35:264 (1983).

CHINA. Kweichow, Lo-fou, 4-500 m, iii 1909, *Cavalerie* 3652 (holo. *P. dunniana*, E); Pin-fa, xi 1907, *Cavalerie* s.n. (holo. *P. hookeri*, E).

The leaves of *P. dunniana* are much longer and slightly broader than those of *P. fargesii* and on considering the range of variation I agree with Hara that *P. dunniana* is merely a large leaved form with leaves up to 30 cm long. Although the type specimens of *P. hookeri* and *P. dunniana* have no stamens I have examined other large leaved specimens from Kweichow which clearly have the distinctive long connective which is characteristic of subsp. *fargesii*.

P. aprica, *P. atrata* and *P. mercieri* which I have assigned to *yunnanensis* have been placed under '*fargesii*' by some other authors.

2101. *Paris polyphylla* Sm. subsp. *marmorata* (Stearn) Hara in Journ. Fac. Sci. Univ. Tokyo 10:176 (1969).

Paris marmorata Stearn in Bull. Brit. Mus. (Nat. Hist.), Bot. 2:79 t. 11, pl. 8 (1956).

Paris violacea Lévl. in Fedde, Rep. Sp. Nov. 11:302 (1912); Wang & Tang in Fl. Reipubl. Pop. Sin. 15:90 (1978); H. Li in Acta Bot. Yunnan 6:358 (1984).

Daiswa violacea (Lévl.) Takht. in Brittonia 35:266 (1983).

CHINA. Yunnan, montagnes de Lou-fang-keou, 3200 m, parisette vivace, rivières des feuilles violet-veines, de blanc au dessous, fleurs faunes, vi 1910, *E. E. Maire* 7458 (holo. *P. violacea*, E).

2102. *Paris polyphylla* Sm. subsp. *polyphylla* var. *stenophylla* Franch. in Nouv. Arch. Mus. Hist. Nat. sér. 2, 10:97 (1888); Hara in Journ. Fac. Sci. Univ. Tokyo 10:176 (1969); Wang & Tang in Fl. Reipubl. Pop. Sin. 15:94 (1978).

Paris hamifer Lévl. in Fedde, Rep. Sp. Nov. 12:288 (1913) & Cat. Pl. Yunnan 167 (1916).

Daiswa lancifolia (Hayata) Takht. in Brittonia 35:266 (1983).

CHINA. Yunnan, forêts de Lan-gni-tsin, 3000 m, Liliacée-parisette? vivace, fleurs jaunes, v 1912, *E. E. Maire* s.n. (holo. *P. hamifer*, E).

Paris polyphylla Sm. var. *tibetica* (Franch.) Hara is probably also a synonym of the above.

2103. *Paris polyphylla* Sm. subsp. *polyphylla* var. *yunnanensis* (Franch.) Hand.-Mazz., Symb. Sin. 7:1216 (1936); Wang & Tang in Fl. Reipubl. Pop. Sin. 15:95 (1978).

Paris yunnanensis Franch. in Mem. Soc. Philom. Centen. (Paris) [Monogr. Paris] 290 (1888).

Paris chinensis Franch. in Nouv. Arch. Mus. Paris sér. 2, 10:97 (1888).

Paris christii Lévl. in Bull. Acad. Géog. Bot. 12:255 (1903); in Mem. Accad. Pont. Nuovi Lincei 23:378 (1905) & Fl. Kouy-Tchéou 251 (1914).

Paris mercieri Lévl. in Bull. Acad. Géog. Bot. 12:255 (1903); in Mem. Accad. Pont. Nuovi Lincei 23:378 (1905) & Fl. Kouy-Tchéou 252 (1914);

K. Krause in Notizbl. Bot. Gart. Berlin 11:330 (1932) pro syn. sub *P. fargesii* Franch.

- Paris franchetiana* Lévl. in Bull. Acad. Géog. Bot. 12:256 (1903); in Mem. Accad. Pont. Nuovi Lincei 23:378 (1905) & Fl. Kouy-Tchéou 252 (1914).
Paris cavaleriei Lévl. & Van. in Mem. Accad. Pont. Nuovi Lincei 24:354 (1906); Hara in Journ. Fac. Sci. Univ. Tokyo 10:177 (1969) pro *P. polyphylla* Sm. s.l.
Paris gigas Lévl. & Van. in Mem. Accad. Pont. Nuovi Lincei 24:354 (1906).
Paris pinfaensis Lévl. in Fedde, Rep. Sp. Nov. 6:265 (1909) & Fl. Kouy-Tchéou 252 (1914).
Paris aprica Lévl. in Fedde, Rep. Sp. Nov. 6:265 (1909) & Fl. Kouy-Tchéou 252 (1914); K. Krause in Notizbl. Bot. Gart. Berlin 11:330 (1932) pro syn. sub *P. fargesii* Franch.; Hara in Journ. Fac. Sci. Univ. Tokyo 10:177 (1969) pro syn. sub *P. polyphylla* subsp. *fargesii* (Franch.) Hara; Wang & Tang in Fl. Reipubl. Pop. Sin. 15:91 (1978) pro syn. sub *P. fargesii* Franch.
Paris atrata Lévl. in Fedde, Rep. Sp. Nov. 12:536 (1913) & Fl. Kouy-Tchéou 252 (1914) pro syn. sub *P. fargesii* Franch.; K. Krause in Notizbl. Bot. Gart. Berlin 11:330 (1933) pro syn. sub *P. petiolata* Bak.; Hara in Journ. Fac. Sci. Univ. Tokyo 10:177 (1969) pro syn. sub *P. polyphylla* Sm. subsp. *fargesii* (Franch.) Hara.
Paris polyphylla Sm. var. *chinensis* (Franch.) Hara in Journ. Fac. Sci. Univ. Tokyo 10:176 (1969).
Daiswa yunnanensis (Franch.) Takht. in Brittonia 35:257 (1983).
Daiswa chinensis (Franch.) Takht. in Brittonia 35:259 (1983).
 CHINA. Kweichow, *Bodinier* s.n. (holo. *P. christii*, E); Bois de Kien-lin-chan, environs de Kouy-yang, 17 vii 1898, *Bodinier* (holo. *P. mercieri*, E); Kweichow, sine loc., deux Paris au bout. d'un même rhizome, rhizome vieux fleur, 6 vii 1905, *Esquirol* 712 (holo. *P. franchetiana*, E); Long-ly, bois, 13 vi 1902, *Cavalerie* 1310 (holo. *P. cavaleriei*, E); route de Kou-tin à Pin-fa, Parisette en fruits, 23 xi 1902, *Cavalerie* 729 (holo. *P. gigas*, E); Pin-fa, les petites pieds étaient tout près du grand, 5 vi 1907, *Cavalerie* 2023 (holo. *P. pinfaensis*, E); au sud de Pin-fa, au soleil, 25 vi 1907, *Cavalerie* 3023 (holo. *P. aprica*, E); Yunnan, forêts de Lan-gni-tsin, 3000 m, Liliacée vivace, fleur jaunes, v 1912, *E. E. Maire* s.n. (holo. *P. atrata*, E).

The continuous variation exhibited by this species is considerable and has resulted in a large number of synonyms. There are so many intermediates that I am not fully convinced that it is worth maintaining var. *yunnanensis* Franch. as distinct from var. *polyphylla*.

Paris aprica Lévl. has very long petioles like subsp. *fargesii* (Franch.) Hara and was placed under this by Krause. The petioles of *P. christii* Lévl. are intermediate in size between those of subsp. *fargesii* and var. *yunnanensis* (Franch.) Hand.-Mazz. Apart from the longer petioles of *P. atrata* it exhibits no discernible features to distinguish it from the polymorphic var. *yunnanensis*.

2104. *Polygonatum cirrhifolium* (Wall.) Royle, Ill. Bot. Himal. 380 (1839); Wang & Tang, Fl. Reipubl. Pop. Sin. 15:78 (1978) excl. syn. *P. bulbosum* Lévl. & *P. mairei* Lévl.

Convallaria cirrifolia Wall. in Asiat. Res. 13:382 (1820).

Polygonatum fuscum Hua in Journ. de Bot. 6:444 (1892); C. Jeffrey in Kew Bull. 34:462 (1980).

Polygonatum mairei Lévl. in Fedde, Rep. Sp. Nov. 7:384 (1909) & Cat. Pl. Yunnan 168 (1916) nec Lévl. (1912).

Polygonatum bulbosum Lévl. in Fedde, Rep. Sp. Nov. 11:302 (1912) & Cat. Pl. Yunnan 168 (1916); Wang & Tang, Fl. Reipubl. Pop. Sin. 15:72 (1978) pro syn. sub *P. verticillatum* (L.) All.

Polygonatum lebrunii Lévl. in Fedde, Rep. Sp. Nov. 12:536 (1913) & Cat. Pl. Yunnan 168 (1916).

CHINA. Yunnan, sous bois de Tcheou-Kia-Tse-Tang, 2550 m, polygonatum vivace, bulbeux, fleurs blanches avec liseré violet, v 1912, *E. E. Maire* s.n. (holo. *P. lebrunii*, E).

YUNNAN. *E. E. Maire* 469 (holo. *P. mairei*, LE, n.v.); Yunnan, *E. E. Maire* in Herb. Bonatti 7471 (iso. *P. bulbosum*, LE, n.v.).

2105. *Polygonatum cyrtoneura* Hua in Journ. de Bot. 6:393 (1892); Wang & Tang, Fl. Reipubl. Pop. Sin. 15:64 (1978); C. Jeffrey in Kew Bull. 34:450 (1980).

Polygonatum martinii Lévl. in Bull. Acad. Géog. Bot. 12:262 (1903), in Mem. Accad. Pont. Nuovi Lincei 23:358 (1905) & Fl. Kouy-Tchéou 254 (1914).

CHINA. Kweichow, route de Pin-Yue à Kouy-Yang, 12 v 1899, *Martin* in Herb. Bodinier 2639 (holo. *P. martinii*, E).

2106. *Polygonatum falcatum* A. Gray in Mem. Amer. Acad. n.s. 6:414 (1859); Nakai in Bot. Mag. Tokyo 48:775 (1934) & in Bull. Nat. Sci. Mus. Tokyo 31:145 (1952); C. Jeffrey in Kew Bull. 34:445 (1980).

Polygonatum umbellatum Lévl. in Fedde, Rep. Sp. Nov. 11:495 (1913).

KOREA. Quelpaert in littoralibus, 10 vi 1910, *Taquet* 4055 (holo. *P. umbellatum*, E).

2107. *Polygonatum involucreatum* (Franch. & Sav.) Maxim. in Bull. Acad. Sci. St. Pétersb. 29:205 (1884); C. Jeffrey in Kew Bull. 34:441 (1980).

Polygonatum cryptanthum Lévl. & Van. in Fedde, Rep. Sp. Nov. 5:282 (1908); Ohwi in Journ. Jap. Bot. 13:442 (1937); Satake in Journ. Jap. Bot. 18:35 (1942); Nakai in Bull. Nat. Sci. Mus. Tokyo 31:145 (1952); Ohwi, Fl. Jap. 314 (1953); Fl. Jap. 368 (1965) & Fl. Jap. (Engl. ed.) 302 (1965); Ohwi & Kit, New Fl. Jap. 424 (1983).

Polygonatum fauriei Lévl. & Van. in Fedde, Rep. Sp. Nov. 5:282 (1908).

KOREA. In herbis Hallaisan, 1000 m, rara, vi 1907, *Faurie* 2121 (holo. *P. fauriei*, E).

2108. *Polygonatum kingianum* Collett & Hemsl. in Journ. Linn. Soc. Lond. 28:138, t. 21 (1890); Tang in Fl. Reipubl. Pop. Sin. 15:65 (1978); C. Jeffrey in Kew Bull. 34:463 (1980).

Polygonatum cavaleriei Lévl. in Mem. Accad. Pont. Nuovi Lincei 24:345 (1906) & Fl. Kouy-Tchéou 253 (1914).

Polygonatum huanum Lévl. in Mem. Accad. Pont. Nuovi Lincei 24:345 (1906); Cat. Pl. Yunnan 168 (1916) quoad *P. huae*.

Polygonatum ericoideum Lévl. in Fedde, Rep. Sp. Nov. 7:384 (1909); Cat. Pl. Yunnan 168 (1916).

Polygonatum esquirolii Lévl. in Fedde, Rep. Sp. Nov. 8:59 (1910); Fl. Kouy-Tchéou 253 (1914).

Polygonatum darrisii Lévl. in Fedde, Rep. Sp. Nov. 12:536 (1913); Fl. Kouy-Tchéou 253 (1914) pro syn. sub *P. cavaleriei*.

Polygonatum kingianum Collett & Hemsl. var. *cavaleriei* (Lévl.) C. Jeffrey & McEwan in Kew Bull. 34:464 (1980).

Polygonatum kingianum Collett & Hemsl. var. *ericoideum* (Lévl.) C. Jeffrey & McEwan in Kew Bull. 34:464 (1980).

CHINA. Kweichow, route Tsin-Chen - Gan-Pin, fleur blanc sale, 10 v 1904, *Cavalerie* 2166 (holo. *P. cavaleriei*, E); Lao-Ten, rochers, fleur rouge, plant vivace, haut 1-2 m, 20 v 1904, *Esquirol* 34 (holo. *P. huanum*, E); Tang-Tchang (Hoang-Tsao-Pa), fleur rose, vi 1909, *Esquirol* 1570 (holo. *P. esquirolii*, E); montagnes, collège, iv 1911, *Esquirol* 3117 (holo. *P. darrisii*, E).

This species generally has broader leaves in the western part of its range grading into narrower leaves in the drier NE of Yunnan.

2109. *Polygonatum lasianthum* Maxim. in Bull. Acad. Sci. St. Pétersb. 29:209 (1884); Nakai in Bull. Nat. Sci. Mus. Tokyo 31:145 (1952); C. Jeffrey in Kew Bull. 34:443 (1980).

Polygonatum taquetii Lévl. in Fedde, Rep. Sp. Nov. 5:282 (1908); Ohwi, Fl. Jap. (Engl. ed.) 302 (1965) & Ohwi & Kit., New Fl. Jap. 424 (1983) both pro syn. sub *P. cryptanthum* Lévl.

Polygonatum petiolatum Lévl. in Fedde, Rep. Sp. Nov. 11:33 (1912); Nakai in Bot. Mag. Tokyo 48:773 (1934) & Bull. Nat. Sci. Mus. Tokyo 31:145 (1952) both pro syn. sub *P. falcatum* A. Gray.

KOREA. Quelpaert, in silvis Hallaisan, vi 1907, *Taquet* 2115 (holo. *P. taquetii*, E); sud de Quelpaert, Hoatien, 25 viii 1911, *Taquet* 5207 (holo. *P. petiolatum*, E).

2110. *Polygonatum pratti* Baker in Hook., Ic. Pl. 23 t. 2217 (April 1892); Wang & Tang in Fl. Reipubl. Pop. Sin. 15:74 (1978) excl. syn. *P. minutiflorum* Lévl.

Polygonatum delavayi Hua in Journ. de Bot. 6:422 (Nov. 1892); C. Jeffrey in Kew Bull. 34:455 (1980).

Polygonatum gentilianum Lévl. in Fedde, Rep. Sp. Nov. 12:287 (1913) & Cat. Pl. Yunnan 168 (1916).

Polygonatum minutiflorum Lévl. in Bull. Acad. Géog. Bot. 25:38 (1915) & Cat. Pl. Yunnan 168 (1916); Wang & Tang in Fl. Reipubl. Pop. Sin. 15:72 (1978) pro syn. sub *P. verticillatum* (L.) All.

CHINA. Yunnan, sous bois de Tchéou-Kia-Tse-Tang, 2550 m, Liliacée vivace, fleurs violettes, v 1912, *E. E. Maire* s.n. (holo. *P. gentilianum*, E); Yunnan, *E. E. Maire* (probable holo. *P. minutiflorum*, E).

2111. *Polygonatum punctatum* Royle ex Kunth, Enum. Pl. 5:142 (1850); Tang in Fl. Reipubl. Pop. Sin. 15:66 (1978).

Polygonatum marmoratum Lévl. in Fedde, Rep. Sp. Nov. 7:384 (1909) & Cat. Pl. Yunnan 168 (1916); C. Jeffrey in Kew Bull. 34:452 (1980).

Disporopsis mairei Lévl. in Fedde, Rep. Sp. Nov. 11:303 (1912) & Cat. Pl. Yunnan 164 (1916).

Polygonatum sino-mairei Wang & Tang in Bull. Fan. Mem. Inst. Biol. Peip. 7:84 (1936).

CHINA. Yunnan, *E. E. Maire* in Herb. *Bonati* 436 (holo. *P. marmoratum*, LE, n.v.); Tong-Tchouan, pied des rochers, 2700 m, vivace, fleurs blanches, vi 1910, *E. E. Maire* in Herb. *Bonati* 7459 (holo. *Disporopsis mairei* & *P. sino-mairei* Wang & Tang, E).

2112. *polygonatum yunnanense* Lévl., Cat. Pl. Yunnan 168 (1916); Wang & Tang in Fl. Reipubl. Pop. Sin. 15:65 (1978) pro syn. sub *P. nodosum* Hua; C. Jeffrey in Kew Bull. 34:444 (1980).

Polygonatum mairei Lévl. in Fedde, Rep. Sp. Nov. 11:302 (1912) non Lévl. (1909).

CHINA. Yunnan, Tong-Tchouan, pied des rochers, 2700 m, vi 1910, *E. E. Maire* in Herb. *Bonati* 7464 (holo. *P. yunnanense* & *P. Mairei*, E).

2113. *Reineckia carnea* (Andr.) Kunth in Abh. Konigl. Akad. Wiss. Berl. 29 (1842).

Sansevieria carnea Andr., Bot. Rep. 5 t. 361 (1804).

Reineckia carnea (Andr.) Kunth var. *rubra* Lévl. in Mem. Accad. Pont. Nuovi Lincei 23:362 (1905).

CHINA. Kweichow, Pin-fa, fleur rouge, lieux ombreuse, 28 vii 1902, *Cavalerie* 132 (holo. var. *rubra*, E).

2114. *Reineckia incurva* Lévl. & Van. in Mem. Accad. Pont. Nuovi Lincei 23:362 (1905).

CHINA. Kweichow, sine loc., *Bodinier* & *Cavalerie* s.n. (typus n.v.).

In the absence of the type I am unable to access the status of this species.

2115. *Rohdea japonica* (Thunb.) Roth., Nov. Pl. Sp. 197 (1821); Fl. Reipubl. Pop. Sin. 15:16 (1978).

Orontium japonicum Thunb., Fl. Jap. 144 (1784).

Rohdea esquirolii Lévl. in Bull. Soc. Bot. France 54:371 (1907) & Fl. Kouy-Tchéou 254 (1914).

Rohdea sinensis Lévl. in Bull. Soc. Bot. France 54:371 (1907) & Fl. Kouy-Tchéou 255 (1914).

CHINA. Kweichow, jardin de Tchu-Suang, 29 vi 1905, *Esquirol* 722 (holo. *R. esquirolii*, E); Kweichow, fleur blanche, *Esquirol* 769 (holo. *R. sinensis*, E).

2116. *Scilla scilloides* (Lindl.) Druce var. ***mounsei*** (Lévl.) McKean, **comb. nov.**

Scilla chinensis Benth. var. *mounsei* Lévl. in Fedde, Rep. Sp. Nov. 12:184 (1913).

KOREA. Quelpaert in parva insula Mounseum, 5 viii 1911, *Taquet* 5215 (holo. var. *mounsei*, E).

2117. *Smilacina atropurpurea* (Franch.) Wang. & Tang in Bull. Fan. Mem. Inst. Biol. Peip. Bot. 7:288 (1937).

Tovaria atropurpurea Franch. in Bull. Soc. Bot. France 43:45 (1896).

Peliosanthes mairei Lévl. in Bull. Acad. Géog. Bot. 25:25 (1915) & Cat. Pl. Yunnan 131 (1916); Jessop in Blumea 23:158 (1976) pro *Smilacina* sp.

CHINA. Yunnan, sous bois de Io-Chan, 3300 m, Liliacée vivace, fleurs violacées, vi 1912, *E. E. Maire* s.n. (holo. *P. mairei*, E).

2118. *Smilax biflora* Sieb. var. *trinervula* (Miq.) Hatusima ex T. Koyama in Quart. Journ. Taiw. Mus. 10:12 (1957); Wang & Tang in Fl. Reipubl. Pop. Sin. 15:196 (1978).

Smilax leucocarpa Lévl. & Van. in Mem. Accad. Pont. Nuovi Lincei 23:254 (1905), 24:344 (1906) & Fl. Kouy-Tchéou 256 (1914); Hand.-Mazz., Symb. Sin. 7:1221 (1936); Rehder in Journ. Arn. Arb. 17:60 (1936); Koyama in Quart. Journ. Taiw. Mus. 13:55 (1960) pro syn, sub ?*S. megalantha*.

Smilax esquirolii Lévl., Fl. Kouy-Tchéou 256 in clavi 257 (1914).

CHINA. Kweichow, environs de Kouy-Yang, dans les bois de Kin-lin-Chan, arbuste épineux, à tiges dressées, non sarmenteuses, fruits, 7 vii 1898, 14 iv 1898, *Bodinier* 2124 (holo. *S. leucocarpa*, synt. *S. esquirolii*, E); plateau de San-tou, 1000 m, cette espèce du *Smilax* malgré qu'elle n'est que des fruits pourra-t-elle être déterminée?, 1 iv 1910, *Esquirol* 2109 (synt. *S. esquirolii*, E); Gan-pin, 15 iv 1904, *Cavalerie* 2120 (synt. *S. esquirolii*, E).

2119. *Smilax bracteata* Presl, Reliq. Haenk. 1:131 (1830); Wang & Tang in Fl. Reipubl. Pop. Sin. 15:227 (1978).

Smilax lyi Lévl. in Fedde, Rep. Sp. Nov. 8:171 (1910) & in Fl. Kouy-Tchéou 257 (1914); Norton in Sargent, Pl. Wils. 3:12 (1916) pro syn. sub ?*S. ocreata*; Wang & Tang in Sinensia 5:421 (1934); Rehder in Journ. Arn. Arb. 17:63 (1934); Koyama in Quart. Journ. Taiw. Mus. 13:55 (1960) pro syn. sub ?*S. perfoliata*.

CHINA. Kweichow, Pin-fa, montagnes, fleur verte-jaune, 27 ix 1903, *Cavalerie* 1406 (holo. *S. lyi*, E).

2120. *Smilax china* L. Sp. Pl. 1029 (1953); Norton in Sargent, Pl. Wils. 3:4 (1916); Rehder in Journ. Arn. Arb. 17:61 (1936); Nakai in Bull. Nat. Sci. Mus. Tokyo 31:143 (1952); Koyama in Quart. Journ. Taiw. Mus. 13:60 (1960); Wang & Tang in Fl. Reipubl. Pop. Sin. 15:193 (1978).

Smilax china L.f. *obtusa* Lévl. in Mem. Accad. Pont. Nuovi Lincei 24:344 (1906).

Smilax taquetii Lévl. in Fedde, Rep. Sp. Nov. 10:372 (1912).

CHINA. Kiangsu, Tou-gou-lin, *d'Argy* s.n. (holo. f. *obtusa*, E).

KOREA. Quelpaert in sylvis Hallaisan, vi 1909, *Taquet* 3306; in sylvis Hongno, v 1909, *Taquet* 3307; in sylvis Hongno, viii 1909, *Taquet* 3308 (all synt. *S. taquetii*, E).

2121. *Smilax ferrox* Wall. ex Kunth, Enum. Pl. 5:251 (1850); Rehder in Journ. Arn. Arb. 10:110 (1929); Koyama in Bot. Mag. Tokyo 71:306 (1958); Wang & Tang in Fl. Reipubl. Pop. Sin. 15:196 (1978).

Smilax megalantha auct. non Wright; Wang & Tang in Sinensia 5:420 (1934); Rehder in Journ. Arn. Arb. 17:60 (1936); Koyama in Quart. Journ. Taiw. Mus. 13:30 (1960).

Smilax loupouensis Lévl. in Bull. Acad. Géog. Bot. 25:38 (1915) & Cat. Pl. Yunnan 169 (1916).

CHINA. Yunnan, brousse des montagnes à Lou-pou, 3000 m, arbuste grimpant, un peu épineux, toujours vert, feuil. blanches endessous, fl. grises, ix 1912, *E. E. Maire* s.n. (holo. *S. loupouensis*, E).

Koyama (1960) reduces S. loupouensis to a synonym of S. megalantha Wright while Wang & Tang (1978) treat both *S. megalantha* and *S. loupouensis* as synonyms of *S. ferrox*. I consider that the more eastern *S. megalantha* (from Hubei and Sichuan) is distinct from the more western *S. ferrox* (from Yunnan westwards to Nepal) and that *S. loupouensis* is synonymous with the latter species.

2122. *Smilax glabra* Roxb., Fl. Ind. ed. 2, 3:792 (1832); Wang & Tang in Sinensia 5:417 (1934); Rehder in Journ. Arn. Arb. 17:58 (1936); Koyama in Quart. Journ. Taiw. Mus. 13:20 (1960); Wang & Tang in Fl. Reipubl. Pop. Sin. 15:212 (1978).

Smilax glabra Roxb. var. *maculata* Bodinier ex Lévl. in Mem. Accad. Pont. Nuovi Lincei 23:355 (1905).

Smilax dunniana Lévl. in Fedde, Rep. Sp. Nov. 9:446 (1911).

Smilax blinii Lévl., Fl. Kouy-Tchéou 256 (1914).

CHINA. Hong Kong, dans les rocaillies d'un torrent à mi coté du Pic Victoria, à feuilles mouchetées, 24 ii 1893, *Bodinier* s.n. (holo. *S. glabra* var. *maculata*, E); Kweichow, Ma-jo, vii 1908, *Cavalerie* 293 (holo. *S. blinii* & *S. dunniana*, E).

2123. *Smilax glauco-china* Warb. in Bot. Jahrb. 29:255 (1900); Wang & Tang in Sinensia 5:420 (1934); Rehder in Journ. Arn. Arb. 17:61 (1936); Wang & Tang in Fl. Reipubl. Pop. Sin. 15:200 (1978).

Smilax sebeana Miq. var. *glauco-china* (Warb.) Koyama in Quart. Journ. Taiw. Mus. 13:44 (1960).

Smilax bodinieri Lévl. & Van. in Mem. Accad. Pont. Nuovi Lincei 23:355 (1905) & Fl. Kouy-Tchéou 256 (1914) pro syn. sub *S. china*.

CHINA. Kweichow, montagne de Hin-y-fou et hien, commun dans les haies, 13 iv 1897, *Bodinier* 1581 (holo. *S. bodinieri*, E).

Koyama has reduced *S. glauco-china* to a variety of *S. sebeana* Miq. but it is apparently more closely related to *S. menispermoides* A.DC.

2124. *Smilax lanceifolia* Roxb. Fl. Ind. ed. 2, 3:792 (1832); Koyama in Fl. Thail. 2:225 (1975).

subsp. *lanceifolia*.

Smilax lanceifolia Roxb. var. *opaca* DC., Monogr. Phaner. 1:57 (1878); Koyama in Quart. Journ. Taiw. Mus. 13:24 (1960).

Smilax tortopetiolata Lévl. & Van. in Mem. Accad. Pont. Nuovi Lincei 23:354 (1905) & Fl. Kouy-Tchéou 258 (1914); Wang & Tang in Sinensia 5:422 (1934); Rehder in Journ. Arn. Arb. 17:63 (1936); Koyama in Quart. Journ. Taiw. Mus. 10:13 f. 3 (1957); Wang & Tang in Fl. Reipubl. Pop. Sin. 15:220 (1978) pro syn. sub *S. lanceifolia* Roxb. var. *elongata* (Warb.) Wang & Tang.

CHINA. Kweichow, Pin-fa, bois, fls. vertes, 18 iii 1902, *Cavalerie* 1312 (holo. *S. tortopetiolata*, E).

2125. *Smilax lebrunii* Lévl., Fl. Kouy-Tchéou 257 (1914); Wang & Tang in Sinensia 5:421 (1934) & in Fl. Reipubl. Pop. Sin. 15:197 (1978); Hand.-Mazz., Symb. Sin. 7:1222 (1936); Rehder in Journ. Arn. Arb. 17:62 (1936)

pro syn. sub *S. micropoda* A.DC. var. *reflexa* Norton; Koyama in Quart. Journ. Taiw. Mus. 13:26 (1960) pro syn. sub *S. lanceifolia* var. *reflexa* (Norton) Koyama.

CHINA. Kweichow, bois sacré de Ban-gnion, 1100 m, 19 iii 1912, *Esquirol* 3518 (holo. *S. lebrunii*, E).

I believe that this taxon is only a scabrid variety of *S. ferox*, but not having seen type material of the latter, I hesitate to formally reduce it in rank.

2126. *Smilax menispermoidea* A.DC., Monogr. Phaner. 1:108 (1878); Wang & Tang in Sinensia 5:420 (1934); Rehder in Journ. Arn. Arb. 17:62 (1936); Koyama in Quart. Journ. Taiw. Mus. 13:31 (1960); Wang & Tang in Fl. Reipubl. Pop. Sin. 15:204 (1978).

Smilax luteocaulis Lévl. in Fedde, Rep. Sp. Nov. 13:339 (1914) & Cat. Pl. Yunnan 169 (1916).

CHINA. Yunnan, brousse dé montagne Io-chan, 3200 m, arbuste grimpant, un peu épineux, longs rameux, fl. verdâtres, v 1913, *E. E. Maire*, s.n. (holo. *S. luteocaulis*, E).

2127. *Smilax microphylla* C. H. Wright in Kew Bull. 1895:117 (1895); Wang & Tang in Sinensia 5:418 (1934); Rehder in Journ. Arn. Arb. 17:59 (1936); Koyama in Quart. Journ. Taiw. Mus. 13:32 (1960).

Smilax gracillima Lévl. & Van. in Mem. Accad. Pont. Nuovi Lincei 23:354 (1905).

Smilax labordei Lévl. in Mem. Accad. Pont. Nuovi Lincei 23:355 (1905) & Fl. Kouy-Tchéou 257 (1914).

Smilax darrisii Lévl. in Fedde, Rep. Sp. Nov. 12:553 (1913) & Fl. Kouy-Tchéou 256 (1914); Wang & Tang in Sinensia 5:419 (1934) & Fl. Reipubl. Pop. Sin. 15:210, t. 68 f. 2 (1978).

Smilax mairei Lévl. in Bull. Acad. Géog. Bot. 25:39 (1915) & Cat. Pl. Yunnan 169 (1916); Rehder in Journ. Arn. Arb. 10:111 (1929); Koyama in Quart. Journ. Taiw. Mus. 13:32 (1960) pro syn. sub *S. microphylla* var. *elongata*; Wang & Tang in Fl. Reipubl. Pop. Sin. 15:210 t. 68 fig. 1 (1978).

CHINA. Kweichow, Tsin-gai, bois, fleurs jaunes-verdâtres, 15 vii 1903, *J. Cavalerie* 1156 (holo. *S. gracillima*, E); environs de Kouy-Yang, mont du collège, rocailles, petit buisson épineux, 2 vi 1898 [Item], environs de Tsin-gai, fruits 9: xii 1877, *Laborde* in Herb. *Bodinier* 2318 (holo. *S. labordei*, E); Steppes de Gan-chouen, fleur blanche, iv 1911, *Esquirol* 3145 (holo. *S. darrisii*, E); Yunnan, rochers à mi mont de La-kou, 2400 m, arbuste grimpant, épineux, feuilles persistantes, fleur jaunes, vi 1912, *E. E. Maire* s.n. (holo. *S. mairei*, E).

2128. *Smilax microphylla* Wright var. *elongata* Warb. in Bot. Jahrb. Syst. 29:259 (1900); Koyama in Quart. Journ. Taiw. Mus. 13:33 (1960) excl. *S. mairei* Lévl.

Smilax castaneiflora Lévl. in Bull. Acad. Géog. Bot. 25:39 (1915); Rehder in Journ. Arn. Arb. 10:111 (1929), 17:62 (1936); Wang & Tang in Sinensia 5:418 (1934) & in Fl. Reipubl. Pop. Sin. 15:212 (1978) pro syn. sub *S. microphylla* Wright.

CHINA. Yunnan, brousse des mont à Tong-tchouan, 2700 m, arbuste épineux grimpant, tout vert, fleur chocolat, fruits noir, vi 1912, *E. E. Maire* s.n. (holo. *S. castaneiflora*, E).

2129. *Smilax perfoliata* Lour., Fl. Cochinch. 662 (1790); Wang & Tang in Sinensia 5:422 (1934); Rehder in Journ. Arn. Arb. 17:64 (1936); Koyama in Quart. Journ. Taiw. Mus. 13:38 (1960).

Smilax perulata Lévl. & Van. in Fedde, Rep. Sp. Nov. 9:78 (1910) & Fl. Kouy-Tchéou 257 (1914); Norton in Sargent, Pl. Wils. 3:12 (1916) pro syn. sub ?*S. ovalifolia* Roxb.; Wang & Tang in Fl. Reipubl. Pop. Sin. 15:234 (1978) pro syn. sub *S. ocreata* A.DC.

CHINA. Kweichow, Lo-fou, fleur rouges, iii 1909, *Cavalerie* 3648 (holo. *S. perulata*, E).

2130. *Smilax pinfaensis* Lévl. & Van. in Mem. Accad. Pont. Nuovi Lincei 23:355 (1905) & Fl. Kouy-Tchéou 257 (1914); Wang & Tang in Sinensia 5:422 (1934); Rehder in Journ. Arn. Arb. 17:63 (1936) pro syn. sub *S. cocculoides* Warb. var. *lanceolata* Norton [= *S. lanceifolia* Roxb. var. *lanceolata* (Norton) Koyama]; Koyama in Quart. Journ. Taiw. Mus. 13:24 (1960) pro syn. sub *S. lanceifolia* var. *opaca*; Wang & Tang in Fl. Reipubl. Pop. Sin. 15:228 (1978) pro syn. sub ?*S. cocculoides* Warb.

Smilax tsinchengshanensis Wang in Bull. Fan. Mem. Inst. Biol. 5:119 (1934).

CHINA. Kweichow, Pin-fa, bois, fleur verte, 18 iii 1902, *Cavalerie* 1311 (holo. *S. pinfaensis*, E).

This species is close to *S. minutiflora* DC. and possibly *S. aberrans* Gagnep. but with a narrower leaf blade.

2131. *Smilax riparia* A.DC., Monogr. Phaner. 1:55 (1878); Rehder in Journ. Arn. Arb. 17:58 (1936); Wang & Tang in Fl. Reipubl. Pop. Sin. 15:190 (1978).

Smilax herbacea L. var. *foetida* Lévl. in Mem. Accad. Pont. Nuovi Lincei 23:251 (1905) & Fl. Kouy-Tchéou 256 (1914).

Smilax herbacea L. var. *heterophylla* Lévl., Fl. Kouy-Tchéou 256 (1914).

CHINA. Kweichow, Pin-fa, bois, bord des torrents, lieux ombrages, fleur verte, fortement piquant, 25 iv 1902, *Cavalerie* 1314 (duplicate sheets, holo. var. *foetida* & var. *heterophylla*, E).

Rehder states that the types of the two varieties were collected on different dates but there is no evidence of this on the sheets.

2132. *Smilax scobinicaulis* C. H. Wright in Kew Bull. 1895:117 (1895); Rehder in Journ. Arn. Arb. 17:60 (1936); Wang & Tang in Fl. Reipubl. Pop. Sin. 15:193 (1978).

Smilax ocreata Lévl. & Van. in Mem. Accad. Pont. Nuovi Lincei 23:354 (1905); Lévl., Fl. Kouy-Tchéou 257 (1914).

Smilax brevipes Warb. in Bot. Jahrb. 29:256 (1900); Wang & Tang in Sinensia 5:419 (1934).

Smilax sieboldii Miq. var. *scobinicaulis* (Wright) Koyama in Quart. Journ. Taiw. Mus. 13:48 (1960).

Smilax cavaleriei Lévl. & Van. in Mem. Accad. Pont. Nuovi Lincei 23:355 (1905); Lévl., Cat. Pl. Yunnan 168 (1916).

Smilax martini Lévl. & Van. in Mem. Accad. Pont. Nuovi Lincei 23:355 (1905); Koyama in Quart. Journ. Taiw. Mus. 13:47 (1960) pro syn. sub *S. sieboldii* Miq. Forma *inermis* (Nakai) Hara.

CHINA. Kweichow, environs de Gan-pin, traînant sur les rochers, aux grandes rocaïlles, 17 ix 1897, *Martin* in Herb. *Bodinier* 1871 (holo. *S. ocreata*, E); Pin-fa, montagne, 3 iv 1902, *Cavalerie* 1313 (holo. *S. cavaleriei*, E); Pin-fa, bois, 3 iv 1902, *Cavalerie* 1315 (holo. *S. martini*, E).

Cavalerie 1315 is very interesting in that, although the inflorescence is short as in typical *S. scobinicaulis*, the leaves are large and broad and appear identical with *S. riparia* (*Cavalerie* 1314 also from Pin-fa). Hybridization may be taking place between these two species.

2133. *Streptopus parviflorus* Franch. in Nouv. Arch. Mus. Paris sér. 2, 10:90 1887 (1888) 90; Fl. Reipubl. Pop. Sin. 15:52 (1978).

Streptopus mairei Lévl. in Bull. Acad. Géog. Bot. 25:39 (1915) & Cat. Pl. Yunnan 169 (1916); K. Krause in Notizbl. Bot. Gart. Berlin 11:330 (1932).

CHINA. Yunnan, plateau de Ta-hai, 3200 m, pâtures, Liliacée vivace, fleurs blanches, vii 1912, *E. E. Maire* s.n. (holo. *S. mairei*, E).

2134. *Tricyrtis maculata* (D. Don) Macbride in Contr. Gray Herb. n.s. 53:5 (1918).

Compos maculata D. Don, Prod. Fl. Nepal. 51 (1825).

Disporum esquirolii Lévl. in Bull. Soc. Bot. France 54:370 (1907) & Fl. Kouy-Tchéou 259 (1914) pro syn. sub *Tricyrtis latifolia* Maxim.

Corchorus polygonatum Lévl. in Fedde, Rep. Sp. Nov. 10:437 (1912) & Fl. Kouy-Tchéou 418 (1915); Lauener in Notes RBG Edinb. 27:9 (1966) pro *Tricyrtis* sp.

CHINA. Kweichow: route de Pay-So, Pa-Yang, dans un tournant humide près de l'Usine métallurgique de Fou Pa et de la source de Pa-Yang, vi 1905, *Esquirol* 485 (holo. *D. esquirolii*, E); Pin-fa, a. rare, fleurs vertes, pointillées de pourpre, 11 viii 1908, *Cavalerie* 3658 (holo. *C. polygonatum*, E).

I have found it impossible to distinguish between *T. macropoda* Miq. and *T. maculata* (D. Don) Macbr. and have as a consequence used the earlier name.

2135. *Tofieldia coccinea* Richardson in Frankl. Narr. Journey Polar Sea, Bot. App. 736 (1823).

Tofieldia fauriei Lévl. & Van. in Fedde Rep. Sp. Nov. 5:283 (1908); Nakai in Bull. Nat. Sci. Mus. Tokyo 31:146 (1952).

Tofieldia taquetii Lévl. & Van. in Fedde, Rep. Sp. Nov. 5:283 (1908); Nakai in Bull. Nat. Sci. Mus. Tokyo 31:146 (1952) pro syn. sub *T. fauriei*.

KOREA. Quelpaert in rupibus Hallaisan, viii 1907, *Faurie* 2170 (holo. *T. fauriei*, E); Hallaisan, 1700 m, x 1907, *Taquet* 404 (synt. *T. taquetii*, E); Quelpaert, 1500 m, x 1906, *Faurie* 264 (synt. *T. taquetii*, E).

2136. *Tofieldia divergens* Bur. & Franch. in Journ. de Bot. 5:157 (1891); K. Krause in Notizbl. Bot. Gart. Berlin 11:329 (1932); Fl. Reipubl. Pop. Sin. 14:10 (1980).

Tofieldia labordei Lévl. & Van. in Mem. Accad. Pont. Nuovi Lincei 23:376 (1905); Fl. Reipubl. Pop. Sin. 14:10 (1980) pro syn. sub *T. thibetica* Franch.

Tofieldia esquirolii Lévl. in Mem. Accad. Pont. Nuovi Lincei 24:352 (1906); Fl. Kouy-Tchéou 258 (1914) & Cat. Pl. Yunnan 169 (1916).

CHINA. Kweichow, route de Kouang-chouen à Tsin-gay, dans la mont, fleurs blanchâtres, 28 viii 1899, *Laborde* in Herb. *Bodinier* 2747; environs de Yunnan-sen herbages des hautes montagnes, fleurs d'un vert jaunâtre, 3 xii 1896, *Bodinier* s.n. (holo. *T. labordei*, E); Shin-Gni-Fou [= Hin-y-Fou], monument de la bienheureuse Agnès, fleurs blanches, 27 ix 1904, *Esquirol* 151 (holo. *T. esquirolii*, E).

The holotype of *T. labordei* has two labels on the one sheet as above. I am not sure if *T. divergens* is really different from *T. thibetica* Franch. but without seeing the type of either species I hesitate to combine the two.

Tovaria miranda Lévl. = *Pollia japonica* Thunb. var. *miranda* (Lévl.) Kit. (Commelinaceae).

2137. *Tulipa edulis* (Miq.) Baker in Journ. Linn. Soc. Bot. 14:295 (1874).

Orythia edulis Miq. in Ann. Mus. Bot. Lugd.-Bat. 3:158 (1867); Nakai in Journ. Jap. Bot. 18:285 (1942).

Gagea argyi Lévl. in Mem. Accad. Pont. Nuovi Lincei 24:352 (1906).

Gagea hypoxioides Lévl. in Mem. Accad. Pont. Nuovi Lincei 24:352 (1906).

Gagea coreana Lévl. in Fedde, Rep. Sp. Nov. 8:360 (1910); Nakai in Journ. Jap. Bot. 18:285 (1942) & in Bull. Nat. Sci. Mus. Tokyo 31:147 (1952).

CHINA. Kiangsou, Souo-Sé, iii, d'*Argy* s.n. (holo. *G. argyi*, E); plains entre Tong-Chin-Bou et Long-Ze, dans les environs de Tsang-Tou-Hien, Tchang-Tchéou-Fou, d'*Argy* s.n. (holo. *G. hypoxioides*, E).

KOREA. Quelpaert, in sepibus Hongno, *Taquet* 1625 (holo. *G. coreana*, E).

Tupistra bambusifolia Lévl. & Van. = *Zingiber* sp. aff. *pleiostachyum* K. Schum. (Zingiberaceae).

Tupistra bambusifolia Lévl. & Van. var. *rubro-maculosa* Lévl. & Van. = *Zingiber* sp. aff. *pleiostachyum* K. Schum. (Zingiberaceae).

Tupistra cavaleriei Lévl. = *Amischotolype hispida* (Less. & A. Rich.) Hong (Commelinaceae).

Tupistra esquirolii Lévl. & Van. = *Curculigo capitulata* (Lour.) O. Kuntze (Hypoxidaceae).

Tupistra esquirolii Lévl. & Van. var. *bracteata* Lévl. = *Curculigo capitulata* (Lour.) O. Kuntze (Hypoxidaceae).

Veratrum mairei Lévl. = *Curculigo capitulata* (Lour.) O. Kuntze (Hypoxidaceae).

2138. *Ypsilandra cavaleriei* Lévl. & Van. in Mem. Accad. Pont. Nuovi Lincei 23:375 (1905); Fl. Kouy-Tchéou 259 (1914); Wang & Tang in Fl. Reipubl. Pop. Sin. 14:17 (1980).

CHINA. Kweichow, environs de Tou-Chan dans la montagne, 3 vi 1899, *J. Cavalerie* in Herb. *Bodinier* 2638 (holo. *Y. cavaleriei*, E).