

CATALOGUE OF THE NAMES PUBLISHED BY
HECTOR LÉVEILLÉ: XVIII

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ABSTRACT. The species described by Léveillé belonging to the families Gnetaceae and Coniferae (sens. lat.) are evaluated. There are no new taxa or combinations.

INTRODUCTION

Following the completion of the Dicotyledons in this series the Gymnosperms and Monocotyledons now follow under a different author; the numbering of parts is kept in sequence. The papers will follow the same basic format already established.

GNETACEAE

2025. *Gnetum cavaleriei* Lévl., Fl. Kouy-Tchéou 186 (1914); Markgraf in Bull. Jard. Bot. Buit. ser. 3, 10:490 (1930) pro syn. sub *Populus* sp.; Rehder in Journ. Arn. Arb. 17:56 (1936)—not *Populus* but family indeterminate.

CHINA. Kweichow, sud de Pin-fa, vu un seul arbre, 30 iii 1905, *Cavalerie* 2236 (holo. *G. cavaleriei*, E).

Note: The specimen consists of bare twigs only and some disintegrated immature inflorescences. The twigs were sectioned for anatomical study by Rehder but this did little to reveal the identity of the specimen.

CONIFERAE (Sens. lat.)

2026. *Biota orientalis* (L.) Endlicher, Syn. Conif. 46 (1847).

Thuja orientalis L., Sp. Pl. 1002 (1753); Rehder in Journ. Arn. Arb. 17:55 (1936).

Thuja orientalis L. var. *argyi* Lévl. & Lemée in Le Monde des Pl. ser. 2, 17:15 (1915).

Platycladus orientalis (L.) Franco in Portug. Acta Biol. ser. B, Suppl., 33 (1949); Fl. Reipubl. Pop. Sin. 7:322 (1978).

CHINA. Kiangsu, d'Argy s.n. (holo. var. *argyi*, E).

2027. *Cryptomeria fortunei* [Hooibrenk ex] Otto & Dietr. in Allg. Gartenz. 21:234 (1853); Fl. Reipubl. Pop. Sin. 7:294 (1978).

Cryptomeria japonica (L.) D. Don var. *sinensis* Miq. in Sieb. & Zucc., Fl. Jap. 2:52 (1870); S. Y. Hu in Taiwania 10:53, 58 (1964).

Cupressus mairei Lévl., Cat. Pl. Yunnan 56 (1916); Rehder in Journ. Arn. Arb. 10:110 (1929) pro syn. sub ?*Cupressus duclouxiana* Hickel; and in Rehder, ibid. 17:55 (1936) pro syn. sub *Cryptomeria japonica* (L.f.) D. Don.

Cryptomeria mairei (Lévl.) Nakai in Journ. Jap. Bot. 13:395 (1937).

CHINA. Yunnan, plaine de Tong-tchouan, pagodes, 2500m, grande et superbe, résineux, petits rameaux décombants, fleurs jaunes, i 1912, *E. E. Maire* s.n. (holo. *Cupressus mairei*, E).

2028. *Cunninghamia lanceolata* (Lamb.) Hook. in Bot. Mag. 54: t. 2743 (1827); Wilson in Journ. Arn. Arb. 7:57 (1926); Rehder in Journ. Arn. Arb. 17:55 (1936); W. P. Fang, Icon. Pl. Omeiens. 2: t. 182 (1946); S. Y. Hu in Taiwania 10:55 (1964); Fl. Reipubl. Pop. Sin. 7:285 (1978).

Pinus lanceolata Lamb., Descr. Gen. Pinus 1:52 t. 34 (1803).

Cunninghamia sinensis R. Br. var. *prolifera* Lemée & Lév. in Le Monde des Pl. sér. 2, 16:20 (1914); Lév., Cat. Pl. Yunnan 56 (1916).

CHINA. Yunnan, Tong-tchouan, pagode He-chen-miao, 2500m, Abies rameaux, horizontaux relevés au sommet, rameaux secondaires pendants, naissant tous de centre d'un fruit, aiguilles longues, molles, piquantes, iii 1912, E. E. Maire s.n. (holo. var. *prolifera*, E).

2029. *Juniperus formosana* Hayata in Journ. Coll. Sci. Imp. Univ. Tokyo 25:209, t. 38 (1908); Wilson in Journ. Arn. Arb. 7:63 (1926). Rehder in Journ. Arn. Arb. 10:110 (1929); Orr in Notes RBG Edinb. 18:151 (1933); Fl. Reipubl. Pop. Sin. 7:377 (1978).

Juniperus mairei Lemée & Lév. in Le Monde des Pl. sér. 2, 16:20 (1914); Lév., Cat. Pl. Yunnan 57 (1916).

CHINA. Yunnan, colline de Tcheou-kia-tse-tang est de Tong-tchouan, 2550m, genièvre, arbre moyen, rameaux dressés, feuilles plus larges, iii 1911, E. E. Maire s.n. (holo. *J. mairei*, E).

2030. *Juniperus squamata* [Buch.-Ham. ex] Lamb., Descr. Gen. Pinus 2:17 (1824); Hand.-Mazz., Symb. Sin. 7:8 (1929); Rehder in Journ. Arn. Arb. 17:56 (1936); W. P. Fang, Icon. Pl. Omeiens. 2: t. 187 (1946).

Sabina squamata (Buch.-Ham. ex Lamb.) Ant., Cupress. Gott 66: t. 89 (1857); Fl. Reipubl. Pop. Sin. 7:353 (1978).

Juniperus squamata [Buch.-Ham. ex] Lamb. var. *fargesii* Rehder & Wilson in Sarg., Pl. Wils. 2:59 (1914); Orr in Notes RBG Edinb. 18:153 (1933); Rehder in Journ. Arn. Arb. 17:56 (1936).

Juniperus franchetiana Lév., Cat. Pl. Yunnan 57 (1916) nom. nov.; Komarov in Not. Syst. Hort. Bot. Petrop. 5:30 (1924).

Juniperus lemeana Lév. & Blin. in Lév., Fl. Kouy-Tchéou 111 (1914); Hand.-Mazz., Symb. Sin. 7:7 (1929).

CHINA. Shensi, David (type of *J. recurva* Franch. non Buch.-Ham. & *J. franchetiana* n.v.); Kweichow, Gan-chouen, genièvre de 1m, *Cavalerie* 3922 (holo. *J. lemeana*, E).

2031. *Keteleeria davidiana* (Bertr. ex Carr.) Beissn., Handb. Nad. 424 t. 117 (1891); Wilson in Journ. Arn. Arb. 7:42, 53 (1926); Rehder in Journ. Arn. Arb. 10:109 (1929), 18:254 (1937); Orr in Notes RBG Edinb. 18:137 (1933); Fang, Icon. Pl. Omeiens, 2: t. 175 (1945); Dallimore & Jackson, Handb. Conif. & Gink., ed. 4, 286 (1966); Fl. Reipubl. Pop. Sin. 7:36 (1978) pro syn. sub *K. evelyniana* Mast.

Pseudotsuga davidiana [Bertr. ex] Carr. in Rev. Hort. 37 (1873).

Keteleeria esquirolii Lév. in Fedde, Rep. Sp. Nov. 8:60 (1910) & Fl. Kouy-Tchéou 112 (1914).

Podocarpus mairei Lemée & Lév. in Le Monde des Pl. sér. 2, 16:20 (1914); Lév., Cat. Pl. Yunnan 57 (1916).

CHINA. Kweichow, grand conifère à Sang Kia près Pa-yang, vi 1905, *Esquirol* 542 (holo. *K. esquirolii*, E), Yunnan: colline de Kin-tchong-chan, 2600m, *Abies davidii*—gros arbre en parasol, peu élancé, régimes dressés en forme de candélabre, iii 1911, *E. E. Maire* s.n. (holo. *P. mairei*, E).

2032. *Pinus armandii* Franch. in *Nouv. Mus. d'Hist. Nat. Paris*, sér. 2, 7:95, t. 12 (1884); Rehder & Wilson in *Sarg., Pl. Wils.* 2:12 (1914); Wilson in *Journ. Arn. Arb.* 7:45 (1926); Rehder in *Journ. Arn. Arb.* 10:108 (1929); W. C. Cheng in *Contrib. Biol. Lab. Sci. Soc. China* 6:9 (1930); Orr in *Notes RBG Edinb.* 18:129 (1933); W. P. Fang, *Icon. Pl. Omeiens.* 2: t. 181 (1946); C. L. Wu in *Acta Phytotax. Sin.* 5:137 (1956); Dallimore & Jackson, *Handb. Conif. & Gink.*, ed. 4, 402 (1966); *Fl. Reipubl. Pop. Sin.* 7:218 (1978).

Pinus levis Lemée & Lévl. in *Fedde, Rep. Sp. Nov.* 8:60 (1910); Lévl., *Fl. Kouy Tchéou* 112 (1914) & *Cat. Pl. Yunnan* 57 (1916).

Pinus komarovii Lévl., *Fl. Kouy-Tchéou* 112 (1914).

CHINA. Kweichow, 'J'ai vu ce pin sur la route de Pin-fa et sur la route de Tou-yun, son tronc lisse et les feuilles retombantes le font aimer. Il n'est pas rare ici sur les monticules rocheux', 7 iii 1905, *Cavalerie* 2220 (synt. *P. levis*, E); Pin-fa, Pai-tchen, arbre lisse, 17 ii 1903, *Cavalerie* 870 (holo. *P. komarovii* & synt. *P. levis*, E).

2033. *Pinus densiflora* Sieb. & Zucc., *Fl. Jap.* 2, 22, t. 112 (1842); Rehder in *Journ. Arn. Arb.* 10:109 (1929).

Pinus nana Faurie & Lemée in *Fedde, Rep. Sp. Nov.* 8:60 (1910).

KOREA. Fusan, in collibus, v 1906, *Faurie* 200 & 201 (syntypes *P. nana*, E).

Note. The authority given in the *Index Kewensis* is Léveillé & Lemée instead of Faurie & Lemée.

2034. *Pinus massoniana* D. Don in *Lamb., Descr. Gen. Pinus* 1; 17, t. 12 (1803), ed. 2, 1:16, t. 8 (1828); W. C. Cheng in *Contrib. Biol. Lab. Sci. Soc. China* 6:12 (1930); Rehder in *Journ. Arn. Arb.* 10:109 (1929) & 17:54 (1936); C. L. Wu in *Acta Phytotax. Sin.* 5:150 (1956); Lévl., *Fl. Kouy-Tchéou* 112 (1914); W. P. Fang, *Icon. Pl. Omeiens.* 2: t. 180 (1946); *Fl. Reipubl. Pop. Sin.* 7:263 (1978).

Pinus argyi Lemée & Lévl. in *Fedde, Rep. Sp. Nov.* 8:60 (1910); Lévl. in *Mem. Real Acad. Ci. Artes Barcelona* ser. 3, 12:547; Rehder in *Journ. Arn. Arb.* 10:109 (1929) pro syn. sub. *P. tabulaeformis* Carr. (1916); W. C. Cheng in *Contrib. Biol. Lab. Sci. Soc. China* 6:14 (1930) pro syn. sub. *P. tabulaeformis* Carr.

Pinus argyi Lemée & Lévl. var. *longevagins* Lévl. in *Fedde, Rep. Sp. Nov.* 8:60 (1910); Rehder & Wilson in *Sarg., Pl. Wils.* 2:15 (1914) pro syn. sub. *P. sinensis* Lamb.

Pinus cavaleriei Lemée & Lévl. in *Fedde, Rep. Sp. Nov.* 8:60 (1910).

CHINA. Kiangsu, Che-Sang, Sa-Song, saxatile pinus, Pui (?) de Zuo-sé, cult. a Tong Kia-tsou (?); Zuo-sé, Tou-Kadou (?), vi, *d'Argy* s.n. (syntypes *P. argyi*, E); *d'Argy* s.n. (holo. *P. argyi* var. *longevagins*, E). Kweichow, Pin-fa, montagnes, 22 iii 1902, *Cavalerie* 1695 (holo. *P. cavaleriei*, E).

2035. *Podocarpus neriifolius* D. Don in Lamb., Descr. Gen. Pinus 2:21 (1824) p.p.; Rehder in Journ. Arn. Arb. 10:108 (1929) & 17:54 (1936); S. Y. Hu in *Taiwania* 10:36 (1964); Fl. Reipubl. Pop. Sin. 7:409 (1978).

Myrica esquirolii Lév. in Fedde, Rep. Sp. Nov. 12:537 (1913) & Fl. Kouy-Tchéou 281 (1915); Lauener in Notes RBG Edinb. 40:505 (1983).

CHINA. Kweichow, en bas du bac à Pia-ouoi-ho, arbrisseau, 3m, 30 i 1912, *J. Esquirol* 3223 (holo. *Myrica esquirolii*, E).

2036. *Taxus chinensis* (Pilger) Rehder var. ***mairei*** (Lemée & Lév.) W. C. Cheng & L. K. Fu in Acta Phytotax. Sin. 13(4):79 (1975) nom. nud. and in Fl. Reipubl. Pop. Sin. 7:443 (1978).

Tsuga mairei Lemée & Lév. in Le Monde des Pl. sér. 2, 16:20 (1914); Lév., Cat. Pl. Yunnan 58 (1916); Rehder in Journ. Arn. Arb. 17:54 (1936) pro syn. sub *Taxus chinensis* (Pilger) Rehder.

Taxus mairei (Lemée & Lév.) S. Y. Hu ex Liu, Ill. Nat. & Introd. Lign. Pl. Taiwan 1:16, t. 11 (1960); H. L. Li, Woody Fl. Taiwan 34 (1963) pro syn. sub *Taxus celebica* (Warb.) Li; H. L. Li, Fl. Taiwan 1:499, t. 171 (1975); Icon. Corm. Sin. 1:332 (1972).

CHINA. Yunnan, collines du Nord, 700–800m, *Abies* à aiguilles dures très piquantes, rapellant le sapin des Vosges, commun, v 1912, *E. E. Maire* (holo. *Tsuga mairei*, E).

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- CHENG, W. C. (1930). A Study of Chinese Pines. *Contrib. Biol. Lab. Sci. Soc. China* 6:5–21.
 DALLIMORE, W. & JACKSON, A. B. (1966). *Handbook of Coniferae and Ginkgos*. Ed. 4. London.
 HU, S. Y. (1964). Notes on the Flora of China IV. *Taiwania* 10:13–62.
 ORR, M. Y. (1933). *Plantae Chinensis Forrestianae: Coniferae. Notes RBG Edinb.* 18:119–158.
 REHDER, A. & WILSON, E. H. (1916). SARGENT, C. S. (ed.), *Plantae Wilsonianae* 2:1–62. Cambridge.

ERRATA

The following three items were omitted from the Index of Parts 1–17.

- p. 346. *Boea thirioni* = *Paraboea thirionii* (Lév.) B. L. Burtt 38:471.
 p. 359. *Ficus orthoneura* Lév. & Van. 40:495.
 p. 383. *Sabia parviflora* Wall. var. *nitidissima* 27:291.