

ADDITIONAL MATERIALS TOWARD A MONOGRAPH OF THE GENUS *CALLICARPA*.

XXX

Harold N. Moldenke

CALLICARPA ERIOCLONA var. *PAUCINERVIA* (Merr.) Mold.

Additional bibliography: Mold., *Phytologia* 50: 473, 475, & 482. 1982.

Moran describes this plant as a shrub, 2 m. tall, with lavender corollas, and found it growing at the edge of cliffs, flowering in July.

Additional citations: MARIANA ISLANDS: Guam: R. Moran 4525 (Mi).

CALLICARPA FORMOSANA Rolfe

Additional bibliography: Mold., *Phytologia* 50: 477 & 483--484. 1982.

Additional citations: TAIWAN: Suzuki s.n. [March 24, 1930] (Mi).

CALLICARPA FURFURACEA Ridl.

Additional bibliography: Bakh., *Journ. Arnold Arb.* 16: 70 & 472. 1935; Mold., *Phytologia* 50: 485. 1982.

CALLICARPA GLABRA Koidz.

Additional bibliography: Mold., *Phytologia* 50: 485. 1982.

Additional illustrations: Hatusima & Yoshinaga, *Bull. Fac. Agr. Kagosh. Univ.* 2: 107, pl. 13, fig. 3. 1970.

CALLICARPA JAPONICA f. *ALBIBACCA* Hara

Additional bibliography: Diaconescu, *Act. Bot. Hort. Bucur.* 1979/1980: 114. 1981; Mold., *Phytologia* 50: 488. 1982.

CALLICARPA LONGIFOLIA Lam.

Additional bibliography: Mold., *Phytologia* 50: 492--495. 1982.

The Madani SAN.35063, distributed as typical *C. longifolia*, seems better placed as its f. *floccosa* Schau.

Additional citations: GREATER SUNDA ISLANDS: Sabah: Ampuria SAN.33286 (Ld); Chai SAN.25975 (Ld); Cockburn SAN.70937 (Sn--40624); Muroh SAN.70607 (Sn--40623); Wing SAN.19010 (Ld).

CALLICARPA OSHIMENSIS Hayata

Additional bibliography: Mold., *Phytologia* 50: 500. 1982.

Hsiao (1978) asserts that this species occurs only in the Ryukyu Archipelago islands and not in Taiwan.

CALLICARPA OSHIMENSIS var. *IRIOMOTENSIS* (Masam.) Hatus.

Additional bibliography: Hatusima & Yoshinaga, *Bull. Fac. Agr. Kagosh. Univ.* 2: 92 & 108, pl. 14, fig. 4. 1970; Mold., *Phytologia* 40: 472. 1978; Mold., *Phytol. Mem.* 2: 302 & 527. 1980.

Illustrations: Hatusima & Yoshinaga, *Bull. Fac. Agr. Kagosh. Univ.* 2: 108, pl. 14, fig. 4. 1970.

CALLICARPA OSHIMENSIS var. *OKINAWENSIS* (Nakai) Hatus.

Additional bibliography: Hatusima & Yoshinaga, Bull. Fac. Agr. Kagosh. Univ. 2: 92 & 108, pl. 14, fig. 5. 1970; Mold., Phytologia 40: 472--473. 1978; Mold., Phytol. Mem. 2: 302 & 527. 1980.

Illustrations: Hatusima & Yoshinaga, Bull. Fac. Agr. Kagosh. Univ. 2: 108, pl. 14, fig. 5. 1970.

CALLICARPA PACHYCLADA Quisumb. & Merr.

Additional bibliography: Mold., Phytologia 33: 502. 1976; Mold., Phytol. Mem. 2: 306, 312, & 527. 1980.

CALLICARPA PARVIFOLIA Hook. & Arn.

Additional bibliography: Mold., Phytologia 40: 473. 1978; Woolliams, Notes Waumea Arboret. 6: 11. 1979; Mold., Phytol. Mem. 2: 310 & 527. 1980.

Woolliams (1979) states that this species is "probably endangered and certainly is very rare. We have not seen it in fruit but the relatively compact growth and grey coloured foliage make it an attractive plant."

CALLICARPA PAUCIFLORA Chun

Additional bibliography: Mold., Phytologia 33: 502. 1976; Mold., Phytol. Mem. 2: 276 & 527. 1980.

CALLICARPA PEDUNCULATA R. Br.

Additional & emended synonymy: *Mamanira alba* Rumpf, Herb. Amboin. 4: 124, pl. 49. 1750. *Callicarpus oblongifolia* B. acuminatissima Hassk., Cat. Pl. Hort. Bot. Bogor. Cult. Alt. 136. 1844. *Callicarpa lantana* Vahl ex Baill., Hist. Pl. 11: 95, sphalm. 1891. *Callicarpus oblongifolia* ♀ acuminatissima Hassk. ex Mold., Résumé Suppl. 14: 7, in syn. 1966.

Additional & emended bibliography: Roxb., Hort. Beng., imp. 1, [83]. 1814; Walp., Repert. Bot. Syst. 4: 127 & 128. 1845; Bailey & Tenison-Woods, Proc. Linn. Soc. N. S. Wales 174. 1880; Fern.-Villar in Blanco, Fl. Filip., ed. 3, 4: Nov. App. 158. 1880; F. Muell., Second Syst. Census Austr. Pl. 1: 173. 1889; K. Schum. & Hollr., Fl. Kaiser Wilhems. 119. 1889; F. M. Bailey, Cat. Indig. Nat. Pl. Queensl. 35. 1890; Baill., Hist. Pl. 11: 95. 1891; Briq. in Engl. & Prantl, Nat. Pflanzenfam., ed. 1, 4 (3a):143. 1895; Koord., Exkursionsfl. 3: 134 & 382. 1912; E. D. Merr., Enum. Philip. Flow. Pl. 3: 385 & 388. 1923; Heyne, Nutt. Plant. Ned. Ind., ed. 2, 1: 23 (1927), ed. 2, 2: 1311 (1927), and ed. 2, 3: 1646. 1927; Bakh., Journ. Arnold Arb. 16: 70. 1935; L. H. & E. Z. Bailey, Hortus Third 201. 1976; Mold., Phytologia 40: 473. 1978; Mold., Phytol. Mem. 2: 258, 271, 276, 282, 295, 304, 306, 312, 320, 322, 325, 328--330, 334, 340, 346, 378, 422, & 527. 1980; Roxb., Hort. Beng., imp. 2, [83]. 1980; Hu, Enum. Chin. Mat. Med. 152 & 218. 1981; Mold., Phytologia 50: 258, 477, 483, 492, & 498. 1982.

Mamanira alba Rumpf has previously been regarded by me as a synonym of *Callicarpa longifolia* Lam., but according to Merrill (1917) it is better placed in the synonymy of *C. pedunculata*.

The Baileys (1976) assert that the fruit of this species varies "from "purple or deep lilac to white".

Schumann & Hollrung (1889) cite *Hollrung* 546 from New Guinea, commenting that "Von der Südspitze der Halbinsel Malacca würde sie bis nach Queensland und sogar nach Neu Süd-Wales verfolgt. Sie ist der *C. macrophylla* Vahl sehr nahestehend und vielleicht von ihr nicht specifisch zu trennen; wir überhaupt die Arten der Gattung *Callicarpa* einer ernstlichen Revision dringend bedürfen. Ich habe durchaus den Eindruck, als ob in der letzten monographischen Bearbeitung zu viehle nicht unterscheidbare Arten aufgestellt und manche aus verschiedenen Pflanzen combinirt worden sind." Schumann & Lauterbach (1900) cite *Hellwig* 568 and *Hollrung* 546 from New Guinea and *Hügel* s.n. from New Britain.

Hu (1981) records the common names, "tzu-chu (chih-hsüeh-ts'ao)" and "purple pearl", and asserts that the species occurs in Chinese pharmacopoeias as "Folium *Callicarpae* Pedunculatae".

Warburg (1890) states: "Schon von Hollrung in deutsch Neu-Guinea, von der Challenger-expedition auf Kl. Key gefunden. Meine Pflanze stammt von Kl. Key, wo die Pflanze einen wichtigen Bestandteil des Gebüsches auf den trockenen Kalkkrücken ausmacht", giving its overall distribution as "Durch Malesien bis nach Australien hin verbreitet".

Bakhuizen (1935) cites *Kajewski* 2420 from Guadalcanal and records the vernacular name, "bau".

The *Ting & Shih* 1563, distributed as *C. pedunculata*, seems better placed as *C. formosana* Rolfe, a very closely related taxon.

CALLICARPA PEDUNCULATA var. *GLABRIUSCULA* H. J. Lam

Additional bibliography: Mold., *Phytologia* 33: 503. 1976; Mold., *Phytol. Mem.* 2: 312, 320, 322, 346, & 528. 1980.

CALLICARPA PEDUNCULATA var. *GLANDULOSA* H. J. Lam

Additional bibliography: Mold., *Phytologia* 33: 503. 1976; Mold., *Phytol. Mem.* 2: 312, 325, & 528. 1980.

CALLICARPA PEDUNCULATA var. *PSILOCALYX* J. J. Lam

Additional bibliography: Mold., *Phytologia* 33: 503. 1976; Mold., *Phytol. Mem.* 2: 325 & 528. 1980.

CALLICARPA PETELOTII Dop

Additional bibliography: Mold., *Phytologia* 33: 503. 1976; Mold., *Phytol. Mem.* 2: 291 & 528. 1980.

CALLICARPA PHANEROPHLEBIA Merr.

Additional bibliography: Mold., *Phytologia* 40: 473. 1978; Mold., *Phytol. Mem.* 2: 306 & 528. 1980.

Merrill (1923) cites only the type collection and asserts that the species is endemic to open places along streams at low altitudes on Luzon.

CALLICARPA PILOSISSIMA Maxim.

Additional bibliography: Mold., *Phytologia* 33: 504. 1976; Hsiao,

Fl. Taiwan 4: 413 & 417. 1978; Mold., Phytologia 40: 473. 1978; Hsiao, Fl. Taiwan 6: 121. 1980; Mold., Phytol. Mem. 2: 276, 304, 312, & 528. 1980; Mold., Phytologia 50: 58. 1981.

Hsiao (1978) avers that this species is endemic to Taiwan and is "Scattered and common in thickets and forests at medium altitudes (500--1,500 m) throughout the island", citing Faurie 1468, Gressitt 247, Henry 120, Keng s.n., Suzuki s.n., Tanaka 5477, and Wilson 9649 & 11088.

CALLICARPA PILOSISSIMA var. *HENRYI* Yamamoto

Additional bibliography: Mold., Phytologia 40: 473. 1978; Mold., Phytol. Mem. 2: 276, 304, & 528. 1980.

CALLICARPA PLATYPHYLLA Merr.

Additional bibliography: Mold., Phytologia 33: 504. 1976; Mold., Phytol. Mem. 2: 306 & 528. 1980.

Merrill (1923) states that this species inhabits forests at low altitudes on Luzon, where it is endemic.

CALLICARPA PLUMOSA Quisumb. & Merr.

Additional bibliography: Mold., Phytologia 40: 473. 1978; Mold., Phytol. Mem. 2: 291, 306, & 528. 1980.

CALLICARPA POILANEI Dop

Additional & emended bibliography: Fletcher, Kew Bull. Misc. Inf. 1938: 404, 407, 412, & 413. 1938; Mold., Phytologia 33: 504. 1976; Mold., Phytol. Mem. 2: 284, 288, 291, & 528. 1980.

Illustrations: Dop in Lecomte, Fl. Gén. Indo-chine 4: 787. 1935.

Fletcher (1938) cites only Kerr 19788 and Put 901 from Thailand, where the species is said to grow in evergreen forests.

CALLICARPA PSEUDORUBELLA Chang

Additional bibliography: Mold., Phytologia 33: 504. 1976; Mold., Phytol. Mem. 2: 276 & 528. 1980.

CALLICARPA PSILOCALYX C. B. Clarke

Additional & emended bibliography: Fletcher, Kew Bull. Misc. Inf. 1938: 404, 412, 414, & 415. 1938; Mold., Phytologia 40: 473--474. 1978; Mold., Phytol. Mem. 2: 258, 271, 284, & 528. 1980.

Fletcher (1938) notes that the type of this species is from Burma and cites from Thailand only Collins 1667 and Marcan 149. It inhabits the evergreen forests in Thailand. In Burma recent collectors refer to it as gregarious and as an abundant small tree, the fruit green when young, but white or pink when mature. They have found it growing along with bamboos along riversides, at 1200--2300 feet altitude, in flower in October, and in fruit in September.

Additional citations: BURMA: South Burma: Keenan, Aung, & Rule 1522 (Lb--113402), 1619 (Lb--113416).

CALLICARPA RAMIFLORA Merr.

Additional bibliography: Fedde & Schust., Justs Bot. Jahresber.

53 (1): 1070. 1932; Mold., Phytologia 40: 474. 1978; Mold., Phytol. Mem. 2: 306 & 528. 1980; Mold., Phytologia 50: 293. 1982.

Merrill (1923) cites *Clemens* 1167 and *Ramos B.S.* 15278 & 30275 from Leyte, Catanduanes, and Mindanao, where, he says, the species grows in and is endemic to forests at low and medium altitudes. He rightly comments that it is "Remote from *Callicarpa pentandra* Roxb., where Bakhuizen has erroneously placed it as a synonym".

CALLICARPA RANDAIENSIS Hayata

Additional synonymy: *Callicarpa formosana* f. *angustata* (Rehd.) Mold. ex Hsiao, Fl. Taiwan 417, in syn. 1978 [not *C. formosana* f. *angustata* Mold., 1952]. *Callicarpa japonica* var. *angustata* sensu Li ex Hsiao, Fl. Taiwan 4: 417, in syn. 1978.

Additional bibliography: Fedde & Schust., Justs Bot. Jahresber. 39 (2): 319. 1913; Hsiao, Fl. Taiwan 4: 413 & 417--418. 1978; Mold., Phytologia 40: 474. 1978; Hsiao, Fl. Taiwan 6: 121. 1980; Mold., Phytol. Mem. 2: 276, 299, 304, 377, & 528. 1980.

Liu (1962) calls this plant the "Lunta beauty-berry" and "small-leaved beauty-berry". Hsiao (1978) regards it as endemic to Taiwan, where it occurs in forests at high altitudes (1000--2500 m.). He cites Liu s.n., Liu, Chen, & Kao s.n., Liu & al. 273, and Suzuki 6986.

CALLICARPA RANDAIENSIS var. *KOREANA* Mold.

Additional bibliography: Mold., Phytologia 33: 505. 1976; Mold., Phytol. Mem. 2: 299 & 528. 1980.

CALLICARPA REMOTISERRULATA Hayata

Additional bibliography: Fedde & Schust., Justs Bot. Jahresber. 39 (2): 319. 1913; Mold., Phytologia 33: 505. 1976; Hsiao, Fl. Taiwan 4: 413 & 418 (1978) and 6: 121. 1980; Mold., Phytol. Mem. 2: 304 & 528. 1980.

Hsiao (1978) regards this species as endemic to Taiwan, where, he says, it inhabits thickets in the Hengchun peninsula only. He cites Kao 7311, Nakahara 619, and Suzuki 6086.

CALLICARPA RESINOSA Wright & Mold.

Additional & emended bibliography: Alain in León & Alain, Fl. Cuba, imp. 1, 4: 304 & 306. 1957; Mold., Phytologia 33: 505. 1976; Mold., Phytol. Mem. 2: 88 & 528. 1980.

CALLICARPA RETICULATA Sw.

Additional & emended bibliography: G. Don in Sweet, Hort. Brit., ed. 3, 550. 1839; Bocq. in Baill., Rec. Obs. Bot. 3: 192. 1863; Mold., Phytologia 40: 474. 1978; Mold., Phytol. Mem. 2: 93, 346, & 528. 1980.

CALLICARPA REVOLUTA Mold.

Additional & emended bibliography: Alain in León & Alain, Fl. Cuba, imp. 1, 4: 305 & 307. 1957; Mold., Phytologia 34: 157. 1976; Mold., Phytol. Mem. 2: 88 & 528. 1980.

[to be continued]



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