

Generis Wendlandiae Additamenta

BY

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In the account of this genus published in an earlier number of the "Notes" (Vol. xvi, No. LXXX), I referred to the application of the name *Wendlandia*, by Willdenow, to a group of plants belonging to the Menispermaceae. For these the name *Cocculus*, although of later date, is retained, and in the list of the Vienna Congress of 1905 *Wendlandia* is cited as a *nomen rejiciendum*. Since 1830 the name *Wendlandia* has been applied to a genus of the Rubiaceae. The Proceedings of the International Congress at Cambridge in 1930 have been published since the above-mentioned account was written, and by the decision of the Conference (Art. 50B) to reintroduce the principle "once a homonym always a synonym," the name *Wendlandia* should no longer be used for the Asiatic plants to which it has been so long applied. I therefore take this opportunity of directing the attention of the International Committee on Nomenclature to the desirability of placing the name *Wendlandia* on its list of *nomina conservanda*. As no possible confusion can arise by the use of the name in its generally accepted significance, it will be unnecessary further to state a case.

For the loan of the material from which the following new records have been assembled, I am indebted mainly to Dr. Handel-Mazzetti; to Dr. Merrill, Director, The New York Botanical Garden; and to the Director of the Botanical Institute, Sun Yat-sen University, Canton, China.

The numbers in the ensuing commentary refer to the species as numbered in the original paper.

1. *Wendlandia ligustrina* Wall.

Luculia gratissima Lévl. Flore du Kouy-Tcheou, p. 368, non Sm.

CHINA.—Kouy-Tcheou, Bords du Hoa-Kiang, 18th Feb. 1899, L. Martin et Emile Bodinier. No. 2563.

5. *Wendlandia formosana* Cowan.

FORMOSA.—Kelung: (Iter Warburgianum 1885-89) 1887, O. Warburg No. 9651. Shinten Taihoku-shu, 17th June 1932, T. Tanaka et Y. Shimada Herb. No. 11128.

INDO-CHINA.—Annam: Mt. Bani, small white-flowered tree, May-July 1927, J. & M. S. Clemens No. 3851.

[Notes, R.B.G., Edin., No. LXXXIX, April 1934.]

In the original description of this species the inflorescence is said to be 4 cm. long. This is a printer's error; the length should read 14 cm.

- 5a. *Wendlandia ovata* Merrill in Papers Mich. Acad. Sc. xix (1934), p. 198.

SUMATRA.—West coast, Fort de Kock, on cliffs at Haran Kloof, flowers white, 22nd April 1927, Yates No. 2501.

The affinity of this very distinctive new species which Dr. Merrill has just published is probably with *W. formosana* or possibly with *W. coriacea*. The flowers on the type sheets are very young. The anthers are linear, and they are probably much exserted, but this cannot be determined with certainty until a fully developed flower is available. The calyx lobes are shorter than the glabrous receptacle, and the leaves and the panicle also glabrous.

9. *Wendlandia speciosa* Cowan.

CHINA.—Yunnan, Hills N.W. of Tengyueh, lat. 25° 30' N., on dry hillsides, June 1931, G. Forrest No. 29797.

- 9a. *Wendlandia speciosa* Cowan var. *Forrestii* Cowan.

BHUTAN.—Mirichoma, Timbu, alt. 4,000 ft., flowers cream, scented. 21st November 1914, R. E. Cooper No. 3684.

14. *Wendlandia tinctoria* (Roxb.) DC.

BHUTAN.—Mirichoma, alt. 3,500 ft., 3rd July 1914, R. E. Cooper No. 1184; Tashichirdjong, 13th July 1914, R. E. Cooper No. 3066; Rinchu, Punakha, alt. 5,000 ft., 29th August 1914, R. E. Cooper No. 3406.

- 14a. *Wendlandia tinctoria* (Roxb.) DC. var. *callitricha* Cowan.

CHINA.—Yunnan: Shweli River drainage basin and environs of Tengyueh, February 1923, J. F. Rock No. 8025.

19. *Wendlandia tinctoria* DC. sub-sp. *orientalis* Cowan.

CHINA.—Kwangsi: Bako Shan W. Poseh, alt. 3,000 ft., shrub 15 ft. (in fruit), 13th September 1928, R. C. Ching No. 7407; Seh-feng Dar Shan, S. Nanning, 3,000 ft., tree (in fruit), 20th October 1928, R. C. Ching No. 8040 and same locality, 3rd November 1928, No. 8349.

The Kwangsi plants cited above are probably very closely allied to *W. tinctoria* DC. var. *orientalis* Cowan, although they are not identical with Burmese and Siam plants. They may represent a new sub-species, but in the absence of flowers this point must await a later decision.

- 26a. *Wendlandia glabrata* DC. var. *laevigata* (Miq.) Cowan.

SUMATRA.—Rocky shore of Toba Lake, 3rd April 1927, H. H. Bartlett No. 7147; along the Toba trail north of the Asahan River between Toetoeapan and Si Makkoek, 21st–25th April 1927, H. H. Bartlett No.

7513; Karoland, near waterfall, Deleng Piso-piso, 19th June 1928, Carel Hamel & Rahmat Si Toroos No. 735; Similoengoen, H. S. Yates No. 1932; and Tapanoei No. 2093.

I cannot draw any line between these and Javanese plants.

33. *Wendlandia uvariifolia* Hance.

CHINA.—Kwangtung: Yunfou District, Lok Muk Shan, alt. 1,000 ft., 15th January 1928, K. T. Wang No. 358; Teng Wu Shan, tree 8 m. high in mixed woods, 6th May 1928, W. Y. Chun No. 6433; 5th July 1928, Tsiang Ying, W. Y. Chun No. 790; Yunfou District, 11th February 1929, Y. K. Wang No. 1813.

34. *Wendlandia uvariifolia* Hance sub-sp. *Dunniana* (Levl.) Cowan.

CHINA.—Yunnan, in pluvialisilva tropica supra Yatou inter Möngdse et Manhao, alt. 1,150 m., 7th March 1915, Handel-Mazzetti No. 6013.

36. *Wendlandia uvariifolia* Hance sub-sp. *chinensis* (Merr.) Cowan.

CHINA.—Kwangtung: Sunyi District, near Wei Shang, alt. 930 m., on open slope, 15th June 1929, Y. Tsiang No. 2707; same locality, 30th April 1930, C. Wang No. 32280; Luntung Bo, Shek Han, 3rd August 1931, C. Wang No. 31085; Kochow Region, February–March 1919, To Kang P'Eng & C. G. Fuson No. 1579; Kochow District Sing Tong, Tai tseh Yuen, 5th May 1929, Y. Tsiang No. 2109; Lofoushan, near Bak Mien Shek, 25th February 1930, H. T. Ho No. 60130; Hainan, Five Finger Mt., alt. 50 m., 7th May 1922, F. A. M'Clure No. 9479; Ling Shui District Chim Shan, Fan Maan Ts'uen, 4th–20th May 1932, F. A. M'Clure No. 20078; Seven Finger Mt., 28th April 1932, H. Y. Liang No. 61647; Yaichow, alt. 200 m., 26th February 1933, F. C. How No. 70225.

36a. *Wendlandia uvariifolia* Hance sub-sp. *rotundifolia* Cowan. Comb. nov.

W. rotundifolia Hand.-Mzt. in Anz. Akad. Wiss. Wien Math. Nat. lix (1922), p. 112.

From the description of this species (No. 51) I considered it very closely allied to typical *W. uvariifolia* Hance. On seeing the type I have no hesitation in considering it to be one of the variant forms of Hance's plant. It differs from other sub-species in having broadly ovate to sub-orbicular leaves.

37. *Wendlandia uvariifolia* Hance sub-sp. *laotica* (Pitard) Cowan.

INDO-CHINA.—Laos: Thao Kham, alt. 1,300 m., April 1932, A. Pételot Nos. 4457, 4461.

37a. *Wendlandia uvariifolia* Hance sub-sp. *rufula* Cowan. Sub-sp. nov.

Frutex repandus 2–4 m. altus; rami hornotini quadrangulares plus minusve profunde sulcati dense nigrescenti-hirsuti, annotini intense

rubiginosi pubescentes deinde decorticantes. Folia opposita elliptica vel elliptico-ovata, membranacea, 7-12 cm. longa, 3-6 cm. lata, apice obtusa vel nunc obtuse acuminata, basi cuneata, supra in sicco brunneo-rufescentia setis recurvis diversis et longioribus et brevioribus oblecta subtus fusca praesertim ad nervos prominentes 10-14-paria dense hirsutula. Petiolus gracilis pubescens vix 1.5 cm. longus. Stipulae setosulae brevi-stipitatae, ramis fere duplo latiores apice rotundatae reflexae. Inflorescentia repanda ad 20 cm. longa, ramis ascendentibus dense fusco-hirsutulis. Bractae inferiores sessiles foliaceae, superiores lanceolatae vel lineares utrinque hirsutae. Flores 2-8-fasciculati ad ramos interrupte dispositi. Corolla tubiformis c. 3 mm. longa, lobis rotundatis tubo triplo brevioribus. Calyx dense hirsutus lobis late triangularibus vel fere ovatis receptaculum fere bis superantibus. Antherae parvae oblongae filamentis brevibus. Stylus exsertus, lobis duobus late triangularibus. Fructus deest.

CHINA.—Kwangsi: Ben Tram, arbuste de 2 m. haut, fleurs blanches, feuilles rougeâtres, cet arbre existerait en petite quantité, le bois serait bon. Recolté dans un ancien ray. sol argileux très fertile, 7th March 1920, Polaine No. 1069 (type) and 5th March 1920, No. 1037.

A sub-species very closely allied to *W. uvariifolia* Hance sub-sp. *laotica* (Pitard) Cowan, from which it differs by its longer and narrower corolla, larger reddish-green leaves somewhat densely hirsute below.

39. *Wendlandia dasythyrsa* Miq.

The following plants are not quite similar to the Java species, but scarcely distinct enough to warrant separation.

The Bornean specimens are placed by Merrill (Straits Branch Roy. As. Soc., Spec. No., Sept. 1921, p. 550) under *W. paniculata*, but they have the larger flowers and calyx of *W. dasythyrsa*.

JAVA.—Inter lavas induratas prope pagum Bator, raro, alt. 3,250 ft., 12th October 1852, Zollinger No. 1752; Prov. Besuki, 1897, S. H. Koorders No. 28652β; Tenger, 6th October 1901, Kobos No. 124.

SUMATRA.—East Coast, H. S. Yates 1334.

NORTH BORNEO.—Mt. Kinabalu, Keung to Kiau, 30th October 1915, M. S. Clemens No. 9911; Mt. Bungal, 9th-10th December 1915, M. S. Clemens No. 11223.

40. *Wendlandia Williamsii* Merrill.

Vide 46c.

The type sheet number should read Williams 2084.

41. *Wendlandia paniculata* (Roxb.) DC.

AMBOYNA.—Batoe Gantoeng, 11th August 1900, Boerlage No. 539; July-November 1913, B. Robinson No. 1731.

42. *Wendlandia scabra* Kurz.

CHINA.—Yunnan: Prope viceni Yaotou inter Möngdse et Manhao

in regionibus tropicae silvae siccae hic illic. Alt. 500-1,000 m., 6th March 1915, Handel-Mazzetti No. 5966.

46. *Wendlandia luzoniensis* DC.

PHILIPPINE ISLANDS.—Luzon, Province of Genguet, Baguio, March 1904, A. D. E. Elmer No. 5960; Neuva Ecija Province, May 1916, P. Tungol No. 25603; Zambales Province, Mt. Pinatubo, 23rd and 26th March 1927, M. S. Clemens No. 17503.

Island of Culion: April 1931, A. W. Herre No. 1023.

46a. *Wendlandia luzoniensis* DC. var. *membranifolia* (Elmer) Cowan.

Wendlandia wariifolia Merr. Enum. Philipp. Pl. 3 (1923), p. 506, non Hance.

PHILIPPINE ISLANDS.—Luzon, Cagayan Province, Penablanca, April 1926, M. Ramos et G. Edano No. 46544.

46b. *Wendlandia syringoides* Cowan. Sp. nov.

Wendlandia luzoniensis DC. var. *syringoides* Cowan in Notes Roy. Bot. Gard. Edin. xvi (1932), p. 295.

Species ex affinitate *W. luzoniensis* DC. a qua foliis fere glabris, panicula minute puberula, floribus amplioribus, calycis lobis acutis longioribus, receptaculo glabro nunc hirsutulo notisque aliis distinguenda.

Arbor parva: ramuli juniores teretes vel subquadrangulares plus minusve profunde sulcati pallido-brunnei minute pubescentes. Folia membranacea elliptica vel elliptico-ovata glabra, 9-18 cm. longa, 4-7 cm. lata, apice acuta vel breve acuminata, in sicco utrinque brunneo-rufescentia, supra costa praesertim basim versus impressa, nervis 11-13-paribus sursum recurvis infra prominentibus, basi cuneata in petiolum gracilem 1-3.5 cm. longum attenuata. Stipulae late orbiculares reflexae brevi-stipitatae ramis paulo angustiores, supra nitentes infra fuscae parce pubescentes. Inflorescentia minute puberula repanda, ad 25 cm. longa et lata, ramis ascendentibus. Bractae inferiores foliaceae petiolatae, superiores lanceolatae vel subulatae sursum diminuentes. Flores 1-3-fasciculati ad ramos interrupte dispositi. Calyx in lobos 5 acute triangulares ad medium vel paulo ultra divisus. Corolla tubiformis circa 7 mm. longa, lobis rotundatis tubo minime quintuplo brevioribus. Receptaculum glabrum vel nunc parce hirsutulum. Antherae oblongae subsessiles. Stigma bifidum distincte exsertum. Fructus non visus.

PHILIPPINE ISLANDS.—Luzon, Zambales Province, December 1923, D. Antonio No. 29540 (type); Mt. Tapolao, November-December 1924, M. Ramos et E. Edano No. 44729; Mt. Canaynayan, December 1916, E. Edano No. 26841; Albany Province, Cumming No. 1102; Isabella Province, Mt. Moises, April 1926, Clemens No. 16816; Dr. H. Hallier, 1903-4, No. 320.

Among the specimens received from America there were several sheets of this plant. On the scanty material formerly available I had hesitated to describe a new species. It is now clear that the plant merits specific rank.

- 46c. *Wendlandia luzoniensis* DC. var. *Williamsii* (Merr.) Cowan.
Comb. nov.

W. Williamsii Merr. in Philipp. Jour. Sc. x (1915), p. 101.

On seeing the type of Merrill's species Williams No. 2084 and also his No. 2341 I find that this plant from Mindanao is no more different from the Luzon plant than are some other forms such as those from Culion and Palawan. I kept the latter under the name *W. luzoniensis*. All ought perhaps to be regarded as distinct varieties.

50. *Wendlandia Burkillii* Cowan.

MALAY PENINSULA.—Pahang, Cameron Highlands, alt. 4,500 ft., 5th April 1930, M. R. Henderson sine no.

51. *Wendlandia rotundifolia* Hand.-Mzt.

Vide No. 36a.

53. *Wendlandia nervosa* Merrill.

Dr. Merrill has been good enough to send me the type for examination. This is a very distinct species.

57. *Wendlandia longidens* (Hance) Hutch.

CHINA.—Yunnan ad viam Yunnanfu—Suifu in declivibus ad rivum Kua, 17th September 1917, Rud. Mell sine no.

59. *Wendlandia pendula* (Roxb.) DC.

CHINA.—Yunnan: Manhao prope fines Tonkinensis, in regionis tropicae rupibus ad flumen, 2nd March 1915, Handel-Mazzetti No. 5867.

Wendlandia Kotschyi Boiss et Hoh.

KURDISTAN.—Mar Jakub ad septentriones ab urbe Mossul ad rupes, frutex, alt. c. 500–700 m., 24th August 1910, Handel-Mazzetti No. 3093.