

**PLANTARUM FORMOSANARUM SPECIES  
NOVAE DETERMINATAE<sup>1)</sup>**

( I )

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Special attention is paid to the study of plants of Formosa particularly of interest to any economical or ornamental use. Although the chief attraction of the author is plants of horticultural value, some occasional revision of the names of common plants is required to straighten up the nomenclature of current use. Among such, specimens of Mr. SHIMADA sent to Kew Herbarium and worked out by Prof. Tyōzaburō TANAKA are included and corrected names are presented here. The author wishes to express his indebtedness to Professors T. TANAKA and G. MASAMUNE and Mr. Y. SHIMADA in carrying out the general herbarium work and preparing the article for publication.

(1) *Aristolochia mollis* DUNN in Journ. Linn. Soc. Bot. XXXVIII, p. 364, 1908.

*Syn.* *Aristolochia Shimadai* HAYATA Ic. Pl. Formos. VI. p. 36, 1916., VIII. p. 110, 1919.; SASAKI List. Pl. Formos. p. 166. 1928.

*Jap. Name*: Taiwan-umano-suzugusa.

*Locality*: Sankowan, Shinchiku-shū (leg. SHIMADA, No. 1683 F. Mar. 12, 1923., No. 1684 F. Jul. 3, 1923).

*Distrib.*: Taiwan (Formosa), China.

(2) *Duchesnea formosana* ODASHIMA sp. nov.

Herba perennans, caulibus filiformibus sarmentosis repentibus, piliosis vel villosis. Folia longe petiolata, ternata, membranacea, flavo-viridula, foliis breviter petiolulatis, supra pilosis subtus pubescentibus, aequaliter dentato-serrata, serraturis anguste ovatis apice mucronato-acutissimis vel acutis, terminalibus subhombicis basi cuneatis integerrimis 1.5-2.4 cm. longis 1.1-2 cm. latis, lateralibus ovatis basi inaequalibus brevissime petiolulatis. Petiolis elongatis pilosis circ. 1.5-7 cm. longis, stipulis petiolo adnatis, lanceolatis acutis vel acuminatis pilosis integris, sursum irregulariter serratis. Flores flavi 5-13 mm. in diametro, Calyx extus pilosis intus subglabris emargine ciliatis, lobis 5, patentibus, ovatis vel ovato-lanceolatis integris acuminatis, calyciculis 5, patentibus extus pilosis intus subglabris cuneato-ovatis 3-5-fidis. Petala 5, patentia obovata apice retusa vel rotundata 2.5-5 mm. longa 1 $\frac{2}{3}$ -4 mm. lata. Carpophoria subglobosa vel depresso-globosa, leviter rosea vel subalba, spongiosi inserta. Achaenia rubida numerosa in foveolis

1) Communications from the Horticultural Institute, Taihoku Imperial University, No. 44.

polyphorii leviter immersa. Fructus depresso-globosus vel globosus 7-9 mm. in diametro.

*Jap. Name*: Taiwan-hebi-ichigo. (nov.)

*Type Specimen*: TANAKA Herbarium, Taihoku Imp. Univ., No. 110421 (Type locality, Taihoku, leg. TANAKA & SHIMADA, May 16, 1932).

*Addit. Mat.*: Taihoku (leg. TANAKA, No. 1715, Nov. 21, 1929); Shirin (leg. ODASHIMA, No. 420, Mar. 18, 1934); Kiirun (leg. KAWAKAMI & SASAKI, No. 11749); Taihoku (leg. KAWAKAMI & SASAKI, No. 11752, Dec. 1909., No. 11753, May 9, 1909); Kiraikei-Asahi (leg. MATSUDA, No. 11758, Aug. 1919); Insl. Kōtō-shō (leg. MORI, No. 11759, Apr. 15, 1907); Insl. Kwashō-tō (leg. NAKAHARA, No. 11760, Feb. 1906); Insl. Yonakuni (leg. SHIMADA, No. 11761, Oct. 1917); Insl. Amami-ōshima (leg. TASHIRO, No. 27615, Aug. 8, 1927); Foochow city (leg. H. H. CHUNG, No. 1326, Apr. 11, 1923); Fukien Prov. (leg. E. P. METCALF & T. C. CHANG, No. 712).

*Distrib.*: Taiwan & Ryūkyū; Fukien (China).

This present species is closely related to *D. indica* FOCKE but the former differs from the latter in having smaller stature, thinner leaves and light red or whitish receptacle.

(3) *Duchesnea indica* FOCKE in ENGL. u. PLANT. Nat. Pf.-fam. III-3. p. 33, 1888; BRITT. & BR. Illust. Fl. North. U. S. & Canada, II. ed. 2. p. 259, 1913.

*Syn. Fragaria indica* ANDR. Bot. Rept. pl. 479; 1807; WIGHT Ic. Pl. Ind. Orient. III. t. 989; HOOK. f. Brit. Ind. II. p. 343, 1789.

Leaflets 3, dark green, obovate or broadly oval, crenate or dentate, or toothed, 1.5-3.7 cm. long, 1.3-2.5 cm. wide, base cuneate or rounded. Petiole 2.5-17 cm. long. Flowers 2-2.5 cm. diam. Petals obovate, retuse at the apex or rounded, yellow, 1 cm. long 6 mm. wide. Fruit ovoid or globose, bright red, spongy, insipid, 1.5-2 cm. diam.

*Jap. Name*: Hebi-ichigo.

*Locality*: Tappan-sha, Tainan-shū (leg. T. SATA, Apr. 1932); Mt. Daiton (leg. ODASHIMA, YOSHI & CHIN, TANAKA Herb. No. 11714, Mar. 11, 1934); Choku-tan, Bunzan-gun (leg. ODASHIMA & CHIN, No. 697, Dec. 31, 1934); Seedlings in Hort. Inst., Taihoku Imp. Univ., from seed sent from India (leg. ODASHIMA, No. 696, Apr. 10, 1934); Kusshaku, Bunzan-gun (leg. SHIMADA & SŌMA, No. 11750, Apr. 3, 1915., SHIMADA, No. 11751, Apr. 3, 1915); Baikei, Taichū-shū (KANEHIRA & SASAKI, No. 11754, Mar. 3, 1918., SHIMADA, No. 11755, Mar. 3, 1918); Horisha, Taichū-shū (leg. KAWAKAMI, No. 11756, Apr. 1915); Musha, Taichū-shū (leg. KAWAKAMI & MORI, No. 11757, Jan. 10, 1908); Mt. Wakasugi, Fukuoka (leg. ICHIKAWA, No. 247, May 10, 1924); Nagasaki, Kyūshū (leg. TANAKA, No. 100435, Jun. 6, 1924); Dehra Dun, India (leg. U. SINGH, No. 165, 1928); Columbia, America (leg. S. F. BLAKE, No. 10588, June 5, 1928).

*Distrib.*: Taiwan, Japan, India, China, Philippines, Malay & America. This species usually distributes on high altitude in Formosa.