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## A Contribution to the Knowledge of the Flora of Japan.

(Continued from p. 10.)

By

**Tomitarô Makino, Sc. D.**

*Prunus ogawana* MAKINO, nov. nom.

*Prunus pseudo-Cerasus* var. *humilis* MAKINO in Bot. Mag., Tokyo, VI. (1892), p. 52.

*Prunus pseudo-Cerasus* α. *spontanea* subvar. *humilis* MAKINO, l. c. XX. (1906), p. 44.

*Prunus pseudo-Cerasus* var. α. *Jamasakura* subvar. *a. glabra forma humilis* MAKINO, l. c. XXII. (1908), p. 98.

*Prunus serrulata* α. *spontanea* subvar. *a. glabra forma humilis* MAKINO, l. c. XXVI. (1912), p. 176.

*Prunus serrulata* α. *spontanea forma humilis* MAKINO, MSS. non WILSON, excl. syn.

*Add. Descr.* Leaves ovate to ovato-lanceolate, or broadly lanceolate, gradually attenuato-acuminate with a very sharp point at the apex, rounded or obtuse at the base, duplicately serrate with minutely mucronate ovate or broad-ovate teeth on margins, green and very thinly pubescent above, paler (not glaucous) and pubescent at the axil of veins beneath, about 2-9½ cm. long, 1-3½ cm. wide in fruit. Drupes small, plentiful.

Nom. Jap. *Wakaki-no-sakura*.

*Hab.* Prov. TOSA: Ogawa-mura in Takaoka-gun (TORAMA YOSHINAGA! June 17, 1927, fruit.).

The parent of this peculiar cherry was at first supposed to be so-called "Yamazakura" (*P. serrulata* LINDL.  $\alpha$ . *spontanea* [MAXIM.] MAKINO.) itself, but its origin is at present really obscure to us. Leaves are apparently different from those of "Yamazakura."

***Prunus Sakabai* MAKINO, nov. sp.**

(*Prunus Itozakura* SIEB. var. *purpureo-plena*  $\times$  *P. yedoensis* MATSUM.)

Stem erect; branchlets slender, terete, flexuous, glabrous, drab, somewhat shining. Leaves green, obovato-elliptical, abruptly acuminate at the apex, rounded or obtuse at the base, sharply duplicato-serrate, pinnately many-veined, green and glabrous above, light green and thinly pubescent on the midrib, veins and main veinlets beneath; midrib prominent beneath; veins about 10-12 on each side, arcuate upwards, prominent beneath; petiole pubescent, canaliculate and purplish in front, eglandular or 1-2-glandular (gland small, discoidal, often 1-2 on the basal margin of the blade). Flowers pendulous, 2-5-clustered, long-pedicelled, about 3cm. across, pale-rosy, double with many petals; bud-scales deciduous; pedicel slender, terete, pubescent with patulous white hairs, greenish,  $2\frac{1}{2}$ - $3\frac{1}{4}$  cm. long; common rachis short, 1-8 mm. long, pubescent, greenish. Calyx: tube obconical, 9-10 mm. long, 5-6 mm. across, shortly acute at the base, 10-costate, greenish but purplish above, thinly pubescent, herbaceous, yellowish-viridescent and nectariferous internally; lobes spreading, deltoid or ovato-deltoid, acute at the apex, sharply denticulate on margin, purpurascens, very thinly pubescent externally, glabrous internally, several-nerved, about 4 mm. long. Petals spreading, ovate to rounded, emarginate at the apex, entire, scarcely clawed, very slightly crispate towards the margin, the outer ones attaining about 15 mm. long, 14 mm. wide, the inner ones smaller. Stamens many, short, about 4 mm. long in the longer ones; filament filiform, white; anther minute, yellow. Ovary 1, ovoid, glabrous, greenish, about 2 mm. long; style about 7-8 mm. long, greenish, slender and slightly enlarged towards the stigma, pubescent at the base; stigma dilated and concave in centre, yellowish-viridescent.

Nom. Jap. *Sendai-yoshino*.

*Hab.* Prov. MUSASHI: Kodama, cultivated (S. SAKABA! April 16, 1927.).

A hybrid made by Mr. SEIICHIRO SAKABA in Sendai, prov. Rikuzen, 28 years ago. Stipules are lacinated or inciso-lacinated.

***Prunus serrulata* LINDL. var. *spontanea* (MAXIM.) MAKINO** in Bot. Mag., Tokyo, XXVI. (1912), p. 176; WILSON, Cher. Jap. (1916), p. 28.

**forma Tokugawana** MAKINO.

*Prunus serrulata* var. *Tokugawana* MAKINO in Journ. Jap. Bot. I. p. 106 (1917).

Leaves reddish-brown when young, glabrous. Flowers single. Petals white, but lastly turned into purple.

Nom. Jap. *Kewai-zakura*.

*Hab.* JAPAN, middle, wild.

- var. praecox** (MAKINO) MAKINO, nov. comb.  
*Prunus pseudo-Cerasus* var. *c.* *Jamasakura* subvar. *glabra* forma *praecox* MAKINO in Bot. Mag., Tokyo, XXII. (1908), pp. 98, 113.  
*Prunus Kanzakura* MAKINO, l. c. XXVI. (1912), p. 176, fig. 13.  
 Nom. Jap. *Kan-zakura*.  
 Hab. JAPAN, cultivated.
- var. Lannesiana** (CARR.) MAKINO, nov. comb.  
 Nom. Jap. *Hitoe-satozakura*.  
 Hab. JAPAN, usually cultivated.
- forma speciosa** (KOIDZ.) MAKINO, nov. comb.  
*Prunus Jamasakura*  $\beta$ . *speciosa* KOIDZ. in Bot. Mag., Tokyo, XXV. (1911), p. 186.  
*Prunus serrulata* var. *albida* subvar. *b. speciosa* MAKINO in Bot. Mag., Tokyo, XXVII. (1912), p. 117, fig. 10, 11.  
 Nom. Jap. *Ôshima-zakura*.  
 Hab. Prov. IDZU: Ôshima (T. MAKINO !); Prov. MUSASHI: Yokohama, cultivated (T. MAKINO !).
- var. Sieboldii** (WITTM.) MAKINO, nov. comb.  
*Prunus Koidzumii* MAKINO in Bot. Mag., Tokyo, XXVI. (1912), p. 144, fig. 12.  
 Nom. Jap. *Naden*, *Chawan-zakura*.  
 Hab. JAPAN, cultivated.
- var. pubescens** (MAKINO) WILSON, Cher. Jap. (1916), p. 31.  
*Prunus pseudo-Cerasus* var. *c.* *Jamasakura* subvar. *b. pubescens* MAKINO in Bot. Mag., Tokyo, XXII. (1908), p. 98.  
 Nom. Jap. *Ke-yamazakura*.  
 Hab. JAPAN.
- forma pubifolia** (MAKINO) MAKINO, nov. comb.  
*Prunus serrulata* subsp. *pubescens* var. *pubifolia* MAKINO in Journ. Jap. Bot. III. p. 40 (1926).  
 Nom. Jap. *Kibi-zakura*.  
 Hab. Prov. BITCHÛ, wild, rare.
- var. antiqua** (MIYOSHI) MAKINO, nov. comb.  
*Prunus antiqua* MIYOSHI in Bot. Mag., Tokyo, XXXVI. (1922), p. 10.  
*Prunus serrulata* subsp. *pubescens* var. *antiqua* MAKINO in Journ. Jap. Bot. III. p. 13 (1926).  
 Nom. Jap. *Nara-yaezakura*.  
 Hab. JAPAN, cultivated, rare.
- var. hortensis** MAKINO.  
*Prunus Pseudo-Cerasus*  $\beta$ . *hortensis* MAXIM. in Mém. Biol. XI. p. 697 (1883), pro parte.  
 Nom. Jap. *Botan-zakura*, *Yae-zakuru*.  
 Hab. JAPAN, cultivated.
- forma viridiflora** (MAKINO) MAKINO, nov. comb.

*Prunus serrulata* var. *serrulata forma viridiflora* MAKINO.

Nom. Jap. *Ukon-no-sakura*.

*Hab.* JAPAN, cultivated.

**forma Fugenzo** (MAKINO) MAKINO, nov. comb.

*Prunus serrulata* var. *serrulata forma Fugenzo* MAKINO.

Nom. Jap. *Fugenzō*.

*Hab.* JAPAN, cultivated.

**var. sachalinensis** (FR. SCHMIDT) MAKINO in Bot. Mag., Tokyo, XXIII. (1909) p. 75, in nota, et Ic. Fl. Jap. I. 4 (1911), p. 31, tab. 15.

*Prunus pseudo-Cerasus* var. *sachalinensis* FR. SCHMIDT, Reis. im Amurl. u. Ins. Sachal. (1868), p. 124.

*Prunus pseudo-Cerasus* var. *β. borealis* MAKINO in Bot. Mag., Tokyo, XXII. (1908), p. 101.

Nom. Jap. *Ō-yamazakura*.

*Hab.* JAPAN, middle and northern.

**Prunus Persica** BATSCH. var. **commixta** MAKINO, nov. var.

Drupe globose, smaller, partly puberulous and partly glabrous.

Nom. Jap. *Hambōzu-momo* (nov. nom.).

*Hab.* Prov. RIKUCHŪ: Morioka, planted (Kōgo TŌGASHI! 1927.).

A rare variety, which may be the hybrid between the common form of this species and its variety Nectarine (var. *nucipersica* SCHNEID. = var. *necturina* MAXIM.).

**Ilex Fauriei** (LOESENER) MAKINO, nov. comb.

*Ilex rugosa* var. *Fauriei* LOESENER, Monogr. Aquifol. in Nov. Act. Acad. Caes. Leopold.-Carol. Germ. Nat. Curios. LXXVIII. (1901), p. 421.

Nom. Jap. *Ō-tsurutsuge* (nov. nom.).

*Hab.* Prov. UGO, mountains, rather rare (T. MAKINO! 1927.).

This species is probably a hybrid between *Ilex rugosa* FR. SCHM. and *I. leucoclada* (MAXIM.) MAKINO.

**Ilex Beecheyi** (LOESENER) MAKINO, nov. comb.

*Ilex integra* var. *Beecheyi* LOES. Monogr. Aquifol. (1901), p. 273.

Nom. Jap. *Munin-mochi* (nov. nom.).

*Hab.* Ins. Munin-jima = Ogasawara-jima.

(To be continued.)

#### ERRATA IN THE LAST NUMBER.

Page 3, line 4 from bottom, for sheating read: sheathing.

- 4, line 10, before 7 sér. insert: in Mém. Acad. Imp. Sc. St.-Petersb.

- 9, line 4 from bottom, for **nebulosa** read: **nebulosus**.

- 10, line 24, for aften read: often.