

Miscellaneous Contributions to the Flora of Formosa (XI)

Syun'iti SASAKI

(78) **Rubus pseudo-Buergeri** sp. nov.

An evergreen prostrate shrub, reaching to 1 m or more long. Stems cylindrical, 2 mm indiameter, long internode, scattered with short prickles, covered with canescent. Leaves alternate, submembranaceous, wide cordate, nearly 5-lobed, sharp serrate of the margin, acute of the apex, cordate or reniform of the base, 8-12.5 cm long, 8.5-14 cm wide, sparsely pilose of the above, rather especially densed on the main veins, covered with tomentose on the all veins of the underside; veins quinquenerves, obscurely of the upperside, prominently of the beneath; stipules broadly ovate, rounded of the apex; pinnatifid, pinnae linner, acuminate or long caudate, 5-7 mm long, $\frac{1}{2}$ mm wide, 2 or 3 branched of the middle, covered with canescent. Petiols cylindrically 4.5-8.5 cm long, scattered with short few prickles. Bracts wide ovate, pinnatifid.

Flowers racemes from the axillis 1-4 cm long, 3-7 flowered, pedicels 2 mm long.

Calyx 5 segments, covered with canescent, conical, caudate, 0.7-1.0 cm long, 4-5 mm wide, few glanduloso-serrate of the margins. Stamens numerous, filiform, adnate near the bottom of the petals, filaments almost 45, carpels conical 1 mm long.

Petals white, orbicular, 5 segments, 7 mm long, 6 mm wide.

Nom. Jap. Ôba-huyuitigo (n.)

Hab. Mt. Rara (leg. E. Matuda, July 1918).

Distrib. Endemic.

Near *Rubus Buergeri* Miq, but differs from it in the larger leaves, racemes and their hairs.

(79) ***Rubus gelatinosus*** sp. nov.

A small shrub, attaining to 1.5 m in height or more, scattered with bending down prickles, covered with gelatinous whole plant. Leaves alternate, subchataceous, simple ovate or shallow 3 lobed, serrate of the margins, sharp caudate of the apex, cordate of the base, 6-10 cm long, 4.5-6 cm wide, gelatinously shining above, lustreless of the underside when dry, thick pilose along the nerves of the upperside, glabrous of the beneath.

Midrib and veins distinctly of the both sides, nerves 4-5 each sides. Petiols 1.5-3.0 cm long, scattered with sharp prickles, prickles bent down. Stipules 2, long triangular, spreading up and down alonging to main stems, 8 mm long, 5 mm wide, chartaceous, glabrous, dentate, long caudate. Bracts lanceolate, pinnatifid, surrounding from the middle of the pedicels. Inflorescens terminal panicles 5.5-6.5 cm long, peduncles zigzag; umbellate pedicel 2-4, pedicels glabrous 6-10 mm long. Calyx 5 segments, long ovate, acuminate of the apex, wide canescent edges or glanduloso-dentate of the margins, 8 mm long, 3 mm wide. Petals 5, white, shorter than sepals, obovate, emarginate of the apex, 5 mm long, 3 mm wide; stamens filiform, numerous, 6 mm long, anthers versatile; carpels many, on a convex receptacle, style filiform, ovule 2. Erythrotomum subglobose, surrounding persistent calyx, 8 mm in diameter, brownish yellow when ripe.

Nom. Jap. Wonaga-kiitigo (n.)

Hab. Mt. Nanko-taizan 1800-2100 m above the sea level (S. Sasaki, July 22, 1922); Mt. Taihei, (S. Sasaki, Oct. 7, 1930).

Distrib. •Endemic.

Near *Rubus Morii* Hayata, but differs from it in the paniculate inflorescens and longer caudate apex, minutely serrations.

(80) ***Rubus ritozanensis*** sp. nov.

A glabrous small shrub, attaining to 1 m or more high. Leaves im-