## TWO NEW RECORDS FOR THE FLORA OF TAIWAN

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Abstracts: Two newly recorded species, Premna octonervia and Rubus howii. are described.

In the investigation of forest resources for this island, the authors recently found two previously unrecorded species, Prenna octonervia Merr. & Metc. and Rubus howii Merr. & Chun, in the mountains of the southern area. According to the literatures, both species are endemic for Hainan island and the latter is a rare species. Therefore their appearance here implies a significance in phytogeography while considering the affinities of Southern Taiwan. Their brief description and line drawnings are given in the following paragraph.

Premna octonervia Merr. & Metc. in Journ. Arn. Arb. 20:354. 1939. (Fig. 1) 八脈臭黄荆

Small tree, 4-6 m high; twigs glabrous. Leaves coriaceous, ovate or elliptic-ovate, 8-13 cm long, 3-6 cm wide, acuminate, entire, with 4-6 lateral veins; petioles 1.5-3 cm long. Inflorescences trichotomously branched in cymes, with linear bracts; peduncles pubescent. Calyx cup-like, obscurely 5-lobed, pubescent, punctate; corolla white, glabrous outside, villous inside at throat, 4-5 mm long, 4 lobed in two lips; lobes long-orbicular, obtuse; stamens 4, didynamous. Drupes globose or obovoid.

Specimens examined: Pingtung Co.: Nan-Jen Shan, Lu 7102. (in TAIF)

Distribution: Hainan and Taiwan.

This species was found at open areas along roadside or streamside of Nan-Jen Shan. Glabrous and glandless leaf is the key character to distinguish this species from the other species of this island.

Rubus howii Merr. & Chun in Sunyatsenia 5:71. 1940. (Fig. 2) 裂葉懸鈎子

Plants scandent; branches tomentose, prickled. Leaves simple, 4-8 cm long, 2-5 cm wide, acute, cordate at base, serrate, tomentose beneath; petioles 1-2 cm long, tomentose; stipules laciniate. Inflorescences with 3-6 flowers in a raceme, tomentose, prickled; peduncles tomentose. Flowers pedicellate: calyx about 1 cm long, tomentose beneath: calyx lobes about 6 mm long, elliptic-triangular; petals elliptic, about 5 mm long, rouded at apex; stamens numerous.

Specimens examined: Taitung Co.: Taimali, Lu 7211. (in TAIF)

Distribution: Hainan and Taiwan.

This species was found at open areas along roadside of which elevation is about six hundred meters. Rubus swinhoei Hance is slightly similar to this species, but mainly differs by the undissected stipules.

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Fig. 1. Prenna octonervia Merr. & Metc. 1. Branch 2. Leaf base 3. Flower bud 4. Flower 5. Corolla 6. Ovary 7. Stamen

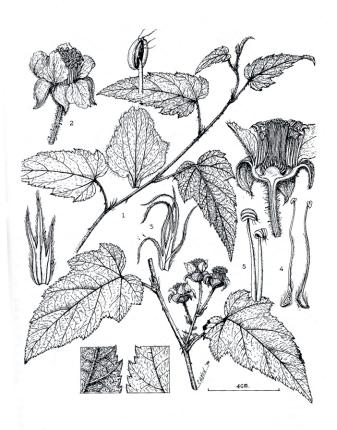


Fig. 2. Rubus howii Merr. & Chun. 1. Branch 2. Flower 3. Stipule 4. Pistil 5. Stamen