

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, *Premna 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 drawings are given in the following paragraph.

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

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 TAIIF)

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 lacinate. 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, rounded at apex; stamens numerous.

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

Distribution: Hainan and Taiwan.

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

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Fig. 1. *Premna 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