

# CONTRIBUTIONS TO THE DICOTYLEDONOUS PLANTS OF TAIWAN (2)

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[Abstract]: Described as new taxa to Taiwan are 6 new species, 3 new varieties, 2 genera and 3 species of new record. Besides, the existence of two noteworthy species of *Jasminum*, which were formerly treated as uncertained ones, has also been confirmed here.

## 臺灣雙子葉植物新見(二)

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本文中記述台灣雙子葉植物之新分類群計有：六新種，三新變種，二新記錄屬及三新記錄種。此外，對山秀英屬中之二未定種亦予以確認。彼等之學名及新擬之中名如次

┌新種及新變種：

- 1 灰葉懸鈎子, *Rubus arachnoideus* Y. C. Liu et F. Y. Lu (薔薇科)
- 2 和平懸鈎子; *Rubus hopingensis* Y. C. Liu et F. Y. Lu (薔薇科)
- 3 宜蘭懸鈎子, *Rubus ilanensis* Y. C. Liu et F. Y. Lu (薔薇科)
- 4 小檳葉懸鈎子, *Rubus parvaraliifolius* Hay. var. *laxiflorus* Y. C. Liu et F. Y. Lu (薔薇科)
- 5 清水懸鈎子, *Rubus pseudoacer* Makino var. *flexuosus* Y. C. Liu et F. Y. Lu (薔薇科)
- 6 尾葉懸鈎子, *Rubus urophyllus* Y. C. Liu et F. Y. Lu (薔薇科)
- 7 玉里懸鈎子, *Rubus yuliensis* Y. C. Liu et F. Y. Lu (薔薇科)
- 8 台灣土當歸, *Aralia taiwaniana* Y. C. Liu et F. Y. Lu (五加科)
- 9 瑞里紫槿, *Stellaria monosperma* D. Don var. *taiwaniana* Y. C. Liu et F. Y. Lu (石竹科)

┌新記錄屬：

- 1 六翅木屬, *Berrya* Roxb. (田麻科)
- 2 鱗蕊藤屬, *Lepistemon* Bl. (旋花科)

┌新記錄種：

- 1 六翅木, *Berrya ammonilla* Roxb. (田麻科)
- 2 小地耳草, *Hypericum laxum* Koidz. (金絲桃科)

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ium of Department of Botany, National Taiwan University (TAI), Herbarium of Taiwan Provincial Chiayi Technical College of Agriculture (TPCA). The writer would like to take this opportunity to express his sincere thanks to the curators and superintendents of those herbaria for their gracious help.

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### **Rubus** Linn

**Rubus arachnoideus** Y.C. Liu et F.Y. Lu, *sp. nov.*

Suffrutex. Ramuli dense tomentosi, tomentis griseis. Folia simplicia ambitu ovata vel late ovata, laminis 3-5-lobis, 5-7cm. longis, 4-5.5cm. latis, apice obtusis vel acutis, basi cordatis, irregulariter denticulatis, lobo terminali 3-4 cm. longo, 3-3.5cm. lato, lobis lateralibus minoribus, lobis basilaribus minibus, basi 5-nervia, costis venis et venulis subtus prominente reticulate elevatis, supra glabra vel ad nervos pubescentia, subtus dense albo-griseo-tomentosa; petiolis 1.5-2.5cm. longis, tomentosis; stipulis ca. 6mm. longis, valde laceratis, tomentosis. Paniculae terminales ramulosae, 17cm. longae, 13cm. latae, albo-griseo-tomentosae, bracteis linearibus vel lanceolatis, leviter laceratis; pedicelis. 0.8-2cm. longis. Calyces cupulati, ca. 5-6mm. in diametro, utrinque albo-griseo-tomentosi, lobis triangularibus, 5mm. longis, 2mm. latis. Petala alba, late obovato-spathulata, ca. 4mm. longa, 3mm. lata, basi brevissime unguiculata, utrinque sparse pubescentia. Receptaculum dense villosum, carpellis glabris, stylis ca. 3mm. longis. Fructus ignoti.



Fig.1 *Rubus arachnoideus* Liu et Lu

Hab; Fu-li, Hwalien Hsien. Leg.: Y.C. Liu et al 838 (Holotype in NCUF, Aug. 2, 1971)

A shrub; branchlets densely grayish white appressed-tomentose. Leaves simple, chartaceous, ovate or broadly ovate, 3-5-lobed, 5-7cm. long, 4-5.5cm. broad, apex short-acute or obtuse, cordate at base, irregularly dentate, the terminal lobe about 3-4cm. long, and 3-3.5cm. broad, the base 5-nerved, the midrib and veins raised and distinct beneath, glabrous or slightly tomentose

especially along the veins above; dense whitish appressed-tomentose beneath; petioles 1.5–2.5cm. long; appressed-whitish-tomentose; stipules about 6mm. long, strongly lacerate, whitish appressed-tomentose. Inflorescence a large much branched panicle, about 17cm. long and 13cm. broad, whitish appressed-tomentose throughout; pedicels 0.8cm.–2cm. long; bracts linear-lanceolate, about 5mm. long, slightly lacerate; calyx cupular, about 5–6mm. across, whitish appressed tomentose on the both sides, the lobes triangular about 5mm. long and 2mm. broad; petals white, obovata-spathulate, about 4mm. long, more or less pubescent both sides and 3mm. broad, narrowed near base; Stamens numerous. the filaments free or connate at base, about 3mm. long, glabrous; receptacles densely villose, carpels glabrous; Styles about 3mm. long, Fruit not seen.

Endemic, found only in the eastern part of Taiwan.

Specimens Examined:

Hwalien Hsien: Y.C. Liu et al 838 (NCF. Holotype)

Taitong Hsien: C.H. Ou et al 1970 (NCF)

Note: A species similar to *Rubus nagasawai* Koidz, but can easily be distinguished from it by the greyish-white tomentose pubescence as well as the shape of the leaves and larger terminal panicles.

***Rubus hopingensis*** Y.C. Liu et F.Y. Lu, *sp. nov.*

Suffrutex erectus vel inclinatus, utrinque glanduloso-punctatus. Ramuli graciles, pubescenti vel puberuli, aculeati, aculeis recurvis. Folia tenuiter chartacea, 5–7-foliolata, foliolis terminalibus oblonge lanceolatis, 2–4cm. longis, 0.6–1.0cm. latis, apice longe acuminatis, basi obtusis vel acutis; foliolis laterilibus minoribus, oblonge ovatis, 1–1.5cm. longis, 0.5–0.8cm. latis, sessilibus, incise duplicato-serratus, ad costas pinarum supra impressa et hirsuta, subtus distincte elevata fere aculeolata, utrinque paginis punctatis et sparse hirsutis fere glabris, rachilibus, aculeolatis, tomentosus; stipulis lineariter lanceolatis vel linearibus ca. 1cm. longis. Flores terminales vel laterales, solitarii vel breve racemi, pedicelis ca. 1.5cm. longis, pubescentis, haud aculeolatis; bracteis linearibus, ca. 2mm. longis. Calyces cupulati ca. 5mm. in diametro, lobis triangule ovatis ca. 5mm. longis, 3mm. latis, apice caudatis, extus



Fig. 2 *Rubus hopingensis* Liu et Lu