

臺灣之數種新植物

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〔摘要〕本文中發表臺灣茄科之一新種及二新變種植物，為 *Physalis lirii*, *Solanum biflorum* var. *kotoensis* 及 *Solanum torvum* var. *lasiostylum*. 新種植物為紀念林潤勳教授而命名。

ABSTRACT. In the present paper, one new species and two new varieties of Solanaceae are reported. They are *Physalis lirii*, *Solanum biflorum* var. *kotoensis* and *Solanum torvum* var. *lasiostylum*. The new species is named in honor of Prof. Wei-Fan Lin.

NEW ADDITIONS TO THE FLORA OF TAIWAN

Y. C. LIU & C. H. OU

Physalis lirii Y. C. Liu & C. H. Ou sp. nov.

Herbae, glabrae; calyx campanulatus, brevissime 4-5-fidus; corolla alba, alte 4-5-fida, staminum 4-5, antherae viridae, ovatae.

Annual herbe glabrous; stems more or less angulate. Leaves ovate, membranous, apex acuminate or attenuate-acuminate, base cuneate or obtuse; glabrous on both surfaces; margins entire, undulate, rarely crenate-dentate; petioles up to 3.5 cm long. Pedicels about 1.4 cm long. Flowering calyx campanulate, base truncate, 0.3 cm long, very shallowly 4-5-lobed, the lobes broadly triangular, very short, glabrate without; corolla campanulate white, about 7 mm long, deeply 4-5-lobed, the lobes about 3.5 mm long, imbricate in bud; stamens 4-5, slender and glabrous, about 4 mm long; anthers ovate, green, about 1.5 mm long. Ovary 2-celled, elliptic, the styles filiform, glabrous, about 4.5 mm long. Fruiting calyx about 2.5 cm long, 5-angled, with 5-short connivent teeth, enclosing a small glabrous berry, berry orange when ripe.

Habitat: In waste places at altitudes of 700 m from Kuan-Tao-Chi, leg. Y. C. Liu & C. H. Ou, Sept. 8, 1973 (No. 2105).

Distribution: Endemic.

Type specimen: In Herb. Dept. Fore. Coll. Agri. National Chung Hsing University.

This new species differs from the *P. angulata* by the white flowers and deeply 4-5-lobed corolla, and broadly triangular calyx-lobes.

It is named in honor of Prof. Wei-Fan Lin for his extensive contribution in Forestry and Dendrology.

Solanum biflorum Lour. var. *kotoensis* Y. C. Liu & C. H. Ou var. nov.

Herbae, glabrae. Folia valde magna, circa 18 cm longa, 8 cm late; calyx totus, extus glabrus, cum 10 spiniformis dentis infra calyx-labrum.

Perennial herbs, unarmed, glabrous all over. Leaves membranous, ovate or ovate-oblong, apex acute or attenuate, base cuneate or rounded, up to 18 cm long, 8 cm wide; margins entire or somewhat undulate. Flowers 1-7-clustered, in the axilla; pedicels 1.5 cm long; calyx cup shaped, entire, with 10 spinelike teeth below the calyx-rim; corolla funnel-shaped, deeply 5-lobed, the lobes about 7 mm long, ovate-lanceolate; stamens 5, connivent; filaments very short, about 0.8 mm long; anthers oblong, about 3 mm long, opening by the lateral-apical pores. Berry globose, about 8 mm across.

Habitat: In Botel Tobago, at low altitudes, leg. T. Sata, Aug. 7, 1932

Distribution: Endemic.

Type specimen: In Herb. Dept. Bot. Coll. Sci. National Taiwan University.

This new variety differs from the type by the glabrous all over and the shape of calyx-teeth.

Solanum torvum Sw. var. *lasiostylum* Y. C. Liu & C. H. Ou var. nov.

Folia ovato-oblonga vel ovato-lanceolata, circa 9-11 cm longa, 3-5 cm lata; calyx late campanulatus, limbus 5-labatus, lobi late triangulare; stylus laneus.

Shrubs more or less prickly and stellate all over. Leaves alternate or subopposite, herbaceous, ovate-oblong to ovate-lanceolate, apex acute, base cuneate or obtuse, usually unequal, about 9-11 cm long, 3-5 cm wide, the upper surface more or less glabrate, stellate along the veins only or sparsely stellate, the under surface densely stellate; margins deeply undulate or lobed. Inflorescence extra-axillary, cyme, many-flowered; calyx shallowly cup-shaped, 5-lobed, the lobes broadly triangular, apex acute, densely stellate without, glabrous within; corolla pale blue, 5-lobed, plicate, the lobes lanceolate, densely stellate without, stellate along the midrib within; stamens 5, connivent; filaments very short; anthes linear-oblong, dehiscent

by the apical pores. Ovary globose, about 1.2 mm long, the style hirsute, the stigma somewhat capitate. Berry globose, yellow when ripe, about 5 mm diameter.

Habitat: In southern parts at low altitudes, leg. Y. C. Liu & C. H. Ou, April 1, 1971 (No. 540)

Distribution: Endemic.

Type specimen: In Herb. Dept. Fore. Coll. Agri. National Chung Hsing University.