

Shao-Shun YING*: **Miscellaneous notes on the flora
of Taiwan (5)****

應紹舜*: 台湾植物雜報 (5)

35) A new species of the genus *Synurus* (Compositae) from Taiwan

Synurus taiwanianus Ying, sp. nov. (Fig. 1)

Herba perennis. Caulis erectis 1.5-2.2 m altus, glaber vel pubescens sursum ramosus; ramis flexuosis, ascendentibus, 20-40 cm longis. Folia caulina ovato-triangularia, 5-15 cm longa, 2.5-5 cm lata, apice acuminata, basi truncata, margine integra, chartacea, supra glabra, subtus dense albo villosa; costis supra impressis subtus elevatis, veins lateralibus primariis utroque latere costae 6-7, gracilimis vix visis; petiolis 4-6 cm longis, glabris, gracilimis. Folia caulina sursum gradatim minora.

Capitula ad apicem caulem paniculata, globosa, 5.5-6.5 cm in diametro, bracteae involucrium 4-5-seriatis, viridis, exterioribus brevioribus, linearibus, 4-5 mm longis, 0.4-0.5 mm latis, apice acutis, interioribus longioribus, 9-15 mm longis crassiusculis. Flores omnes tubuliformes, corollae tubo filiforme, 1.2-1.8 cm longo, limbo tubuloso-campanulato, 9-12 mm longo profunde 5-lobato, lobis linearibus, 3-4 mm longis 0.6-0.7 mm latis, utrinque glabris. Stamina longe exserta, ad faucem tubi corollae affixa, cum filamentis 10 mm longa, filamentis 5-6 mm longis, antheris linearibus. 6-7 mm longis. Stylus filiformis, 2-2.5 cm longus, basi clavatus, ramis 4-5 mm longis linearibus, apice truncatis, infra ramos leviter tumidus brevissime tomentosus. Ovarium cylindricum 2 mm longum 1 mm latum apice dense papposum; pappus. 1.5-1.8 cm longus. plumosus. Achaenia ighota.

Hab.: Taoyuan Hsin. Pa-Lin (巴陵) to Sze-Lin (四稜) leg. Shao-Shun Ying, s. n. Nov. 22 1986. NTUF.

The genus is new to Flora of Taiwan.

36) A new species of the genus *Aster* (Compositae) from Taiwan

Aster taoyuenensis Ying, sp. nov. (Fig. 2)

Caulis 40-60 cm longus, basi scandens vel repens, sursum ascendens, ramosus,

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Fig. 1. *Synurus taiwanianus* Ying. A. basal part of plant. B. upper part of plant. C. inner series of involucre bracts. D. medium series of involucre bracts. E. outer series of involucre bracts. F. a tubular flower. G. dissection of flower. H. stamens. I. style and stigma. J. pappus. K. ovary.

setuloso-hirsutus; rami erecti, gracilis, hirsutis. Folia basalia lanceolata vel oblongo-lanceolata 4-8 cm longa 1.5-2.5 cm lata, apice acuminata, basi attenuata, margine subintegra vel remote mucronata instructa, utrinque pubescentia. Folia superiora lanceolata vel oblanceolata, 3.5-5 cm longa. 8-15 mm lata, apice acuminata, basi cordata, sessilia vel subsessilia.

Captitula 2-3 laxe racemosa. Capitula cum fl. marginalibus. 2-2.5 cm in diametro, bracteis involucroum 2-3-seriatis; interioribus linearibus, 4-5 mm longis, 0.5 mm latis, hirsutis, apice acuminatissimis. Fl. marginalium ♀, 1-seriatis, corollae liguliformes, tubis 3-4 mm longis, limbis albis, oblongis, 1.5-1.8 cm longis, 4-5 mm latis, apice brevissime 2-3-dentatis, basi plus minus contractis, pappis setaceis, 2.5-3.5 mm longis scabris. Fl. disci ♂, corollae tubuloso-campanulatae, tubis 3.5-4 mm longis, limbis 1 mm longis a medio sursum 5-lobatis, lobis elongato-triangularibus 1 mm longis. Ovarium cylindricum. 1.2-1.5 mm longum, hirsutum, pappis setaceis, 3-4 mm longis scabris. Achaenia ignota.

Habit.: Taoyuen Hsien. Man-Yeh-Yuen-Shan (滿月圓山) ad. 800 m ped. alt. leg.: Ying. S.S. s.n. June. 25 1984. NTUF. This species close to *Aster taiwanensis* Kitamura, but differs from the latter by nearly entire, pubescent leaves, fewer heads, and shortly 2-3-dentate apex of ligulate florets.

37) A New species of the genus *Salix* (Salicaceae) from Taiwan

Salix chingshuishanensis Ying, sp. nov. (Fig. 3)

Frutex nanus 30-60 cm altus, ramulis hornotinis glabris. Folia ovata vel elliptica, 2.5-3.5 cm longa. 1.5-2 cm lata, apice obtusa vel rotundata, basi obtusa glaberrima, margine integra, supra opaca impressinervia ad costas, subtus glaucina, elevato-reticulata; costa secundaria in utraque latere 5-6, subtus elevata, petiolis 5-8 mm longis, stipulis ignotis.

Amenta masculina dimorpha praecocia. Amenta minora numeria, ovata, 4-7 mm longa, in axillis cicatricium foliorum annotiorum solitaria, densiflora, sessilia. Cataphylli 2, ovati, 4-5 mm longi. 3-3.5 mm lati, apice apiculati, glabri. Flores masculini, bracteis oblongis vel ovato-oblongis. 1-1.5 mm longis. 0.3-0.5 mm latis, apice obtusis vel emarginatis, extus dense longe sericeo-villosis, intus glabris, staminibus 2. includentibus, antheris oblongis, 0.4-0.5 mm longis, filamentis filiformibus. 0.3-0.6 mm longis glabris. Amenta majora elongata, pauca, 1.5-2 cm longa pedunculata pedunculis 2-2.5 mm longis sericeo-villosis, bracteolis ovatis, 8-11 mm longis, 4-6 mm latis, apice obtusis vel rotundatis, extus hirsutis intus glabris, staminibus 2, exsertis, antheris rotundatis, hirsutis, filamentis

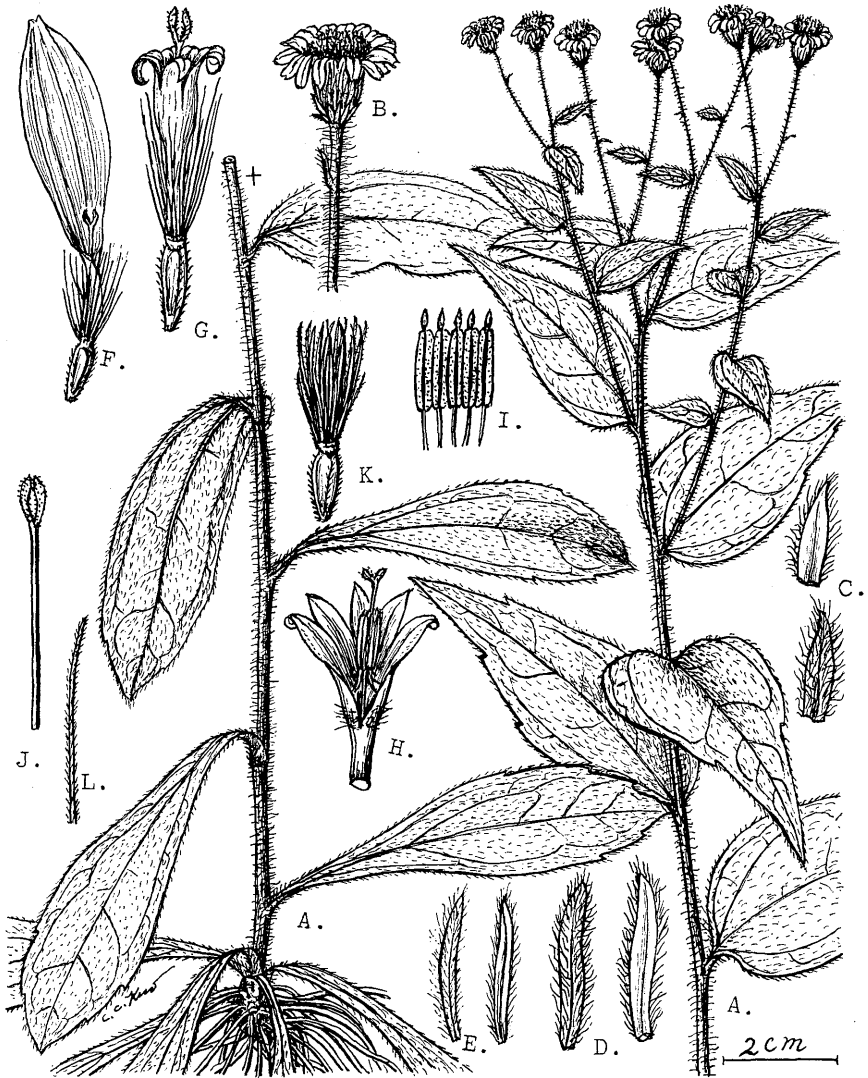


Fig. 2. *Aster taoyuenensis* Ying. A. plant. B. head. C.D.E. different series of involucral bracts. F. ligulate floret. G. tubular floret. H. dissected corolla of tubular floret. I. stamens. J. style and stigma. K. ovary and pappus. L. pappus.

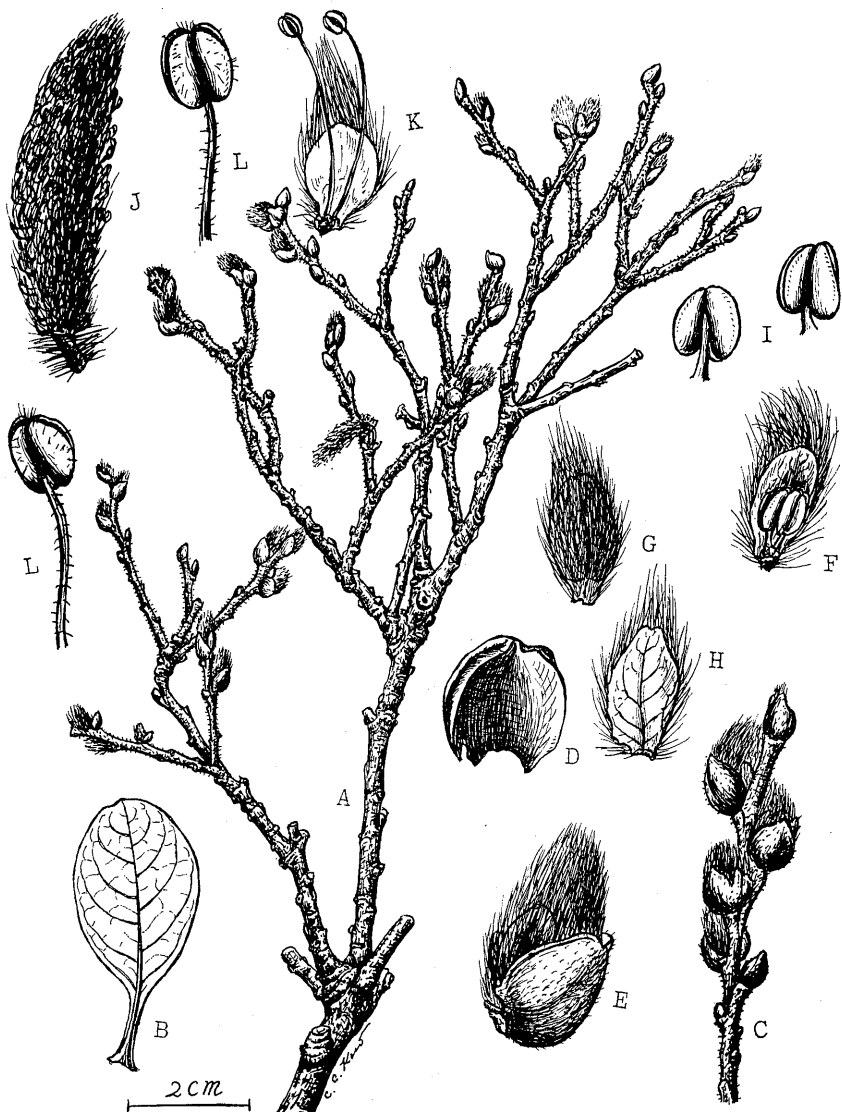


Fig. 3. *Salix chingshuishanensis* Ying. A. branches show different kinds of male aments. B. leaf. C. branches with short male aments. D. cataphylla. E. short male aments. F. bract and stamens. G. bract (outside). H. bract (inside). I. stamens. J. elongate male ament. K. bract and stamens. L. stamens.

elongatis. 1.2-1.5 cm longis hirsutis. Amenta foeminea ignota. Amenta fructifera subsessilia, ascendenitica, cylindrica, 2-3 cm longa, cum fructibus 1.5 cm lata. Capsula matura 5-6 mm longa, glabra leviter castanea.

Hab. Hualien Hsien. Chingshuishan (清水山). Leg.: C. C. Liao (廖秋成), s. n. April. 1. 1976, Holotype, NTUF; S. S. YING. 4916, Aug. 1987, NTUF.

This species looks like *S. taiwanalpina* Kimura in general appearance, but is distinguishable from the latter by the dimorphic male aments, ovate and elliptic leaves with obtuse or rounded apex and glabrous capsules.

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台湾から 3 種類の新しい植物を報告する。ヤマボクチ属は台湾では初めてである。花蓮県の清水山は石灰岩の山で、幾つかの固有種が知られている所である。このヤナギの 1 種は外観は *Salix taiwanalpina* に似るけれど、雄花序が 2 型であるなど色々な点で異なる。清水山固有の種類と考えられる。

○新品種アケボノヤイトバナ (浅井康宏) Yasuhiro ASAI: On a new form of *Paederia scandens* Merr. var. *mairei* Hara

周知のようにヘクソカズラ(ヤイトバナ)は極めて分布の広い多年草で、現在まで葉や花の形状にもとづいて、種々の変異品が記録されてきた。しかしながら花色については、余り祖上にのぼって来なかったようである。

すなわち本種の鐘状をした花は通常、内面が紅紫色を帯びるが、外面は灰白色を呈している。ところで蕾の状態の時から、外面も内面同様に顕著な紅紫色を呈し、異彩を放つものが認められる。これにアケボノヤイトバナの和名を与え、記録しておくことにしたい。

終りに資料その他につき、種々御援助いただいた津山尚博士ならびに渡辺ヨシノ氏に対し感謝の意を表す。

Paederia scandens (Loureiro) Merrill var. *mairei* (Léveillé) Hara, Enum. Sperm. Japon. 2: 24 (1952).

form. **rubescens** Asai, f. nova

Tubus corollae exteriore viso rubro-purpureus non cinereo-albidi.

Hab. Japonia; Hondo: On sunny grass site of Wakasu (若洲), reclaimed land of Koto-ku (江東区), Tokyo (Y. Asai, Aug. 21, 1987—Type in TNS. no. 494605). (東京歯科大学)