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CONTRIBUTIONS TO THE DICOTYLEDONOUS PLANTS OF TAIWAN (I)

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【ABSTRACT】: Described as new taxa to Taiwan are 3 new species, 1 new variety as well as 2 genera and 4 species of new record.

臺灣雙子葉植物新見(I)

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【摘要】著者於研究台灣雙子葉植物之野牡丹科、茶茱萸科、衞茅科、毛茛科、罌粟科及蓼科時，發現多種植物未見列於文獻中，經深入之研究與探討，分別鑑定爲三新種，一新變種；二新記錄屬及四新記錄種；其學名及新擬之中名如次。

㈠新種及新變種：

1. 圓葉布勒德藤，**Bredia rotundifolia** Y.C. Liu et C. H. Ou （野牡丹科）
2. 台東女萎，**Clematis uncinata** Benth. Var. **taitongensis** Y. C. Liu et C. H. Ou （毛茛科）
3. 宜蘭蓼，**Polygonum ilanense** Y. C, Liu et C. H. Ou （蓼科）
4. 畢祿山蓼，**Polygonum pilashanense** Y. C. Liu et C. H. Ou （蓼科）

㈡新記錄屬：

1. 昇麻屬，**Cimicifuga** L. （毛茛科）
2. 毛蕊木屬，**Stemonurus** Bl. （茶茱萸科）

㈢新記錄種：

1. 呂宋毛蕊木，**Stemonurus luzoniensis** (Merr.) Howard （茶茱萸科）
2. 扶芳藤，**Euonymus fortunei** Handel-Mazz. （衞茅科）
3. 昇麻，**Cinicifuga simplex** Wormsk. （毛茛科）
4. 夏黃堇，**Corydalis ochotensis** Turcy.f. （罌粟科）

INTRODUCTION

During the course of study on the Melastomaceae, Icacinaceae, Celastraceae, Ranunculaceae, Papaveraceae and Polygonaceae of Taiwan, several new plants are found. They are now proposed as 3 new species, 1 new variety as well as 2 genera and 4 species of new record. Described as new species are: *Bredia*

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hairy when young, glabrous at maturity. Leaves triangular to triangular ovate, 1.5–3.5cm. long, 1.5–2cm. wide, acuminate at the apex, truncate at the base, nearly glabrous on both surfaces but pilose at veins, the margin ciliate, petiole 0.5–1cm. long; ocreae cylindrical, 0.5–0.6cm. long, membranous, crisp-hairy, margins ciliate, ciliae very short, 1mm. long. Inflorescence in few-flowered clusters, capitate, peduncles glandular, some flowers exserted, ocreolae ovate, 2mm. long, glabrous, the margin entire, perianth white or in tints of pink, 2–3mm. long, persistent and enlarged but not fleshy in fruit. Achene triangular-ovate, 2–5mm. long, black, glabrous, enclosed by the persistent perianth.

Endemic, found in the central part at the altitudes of about 2,500M. in Taiwan.

Specimens examined:

Nantou Hsien: F.Y. Lu et C.H. Ou 3612 (NCUF, Holotype).

Polygonum ilanense Y.C. Liu et C.H. Ou, *sp. nov.*

Herbae annuae. Caulis glabrus, ramosus, supra ascendens, subtus ad nodos radicans, 7–15cm. altus. Folia linearia, 2–3cm. longa, 2–4mm. lata, apice acuminata, basi in petiolum attenuata, utrinque pagine glabra sed ad costa sparse pilosa, margine integera vel sparse ciliata, petiolis brevissimis, 0.5mm. longis; ochreis cylindratis, 5–8mm. longis, crispe villosis, ciliatis, ciliis 2mm. longis. Spicae 2–5cm. longae, laxiflorae; bracteolis 2–3mm. longis, glabris, ciliatis, ciliis 2mm. longis. Perianthium puniceum, 1mm. longum, venulis inconspicuis. Achaenia biconvexa, ovata, 1.2mm. longa, nigra, glabra.

Hab.: In monte Ta-yuan-shan, Ilan Hsien.

Leg.: C.H. Ou et al 2692 (NCUF, Aug. 11, 1974).

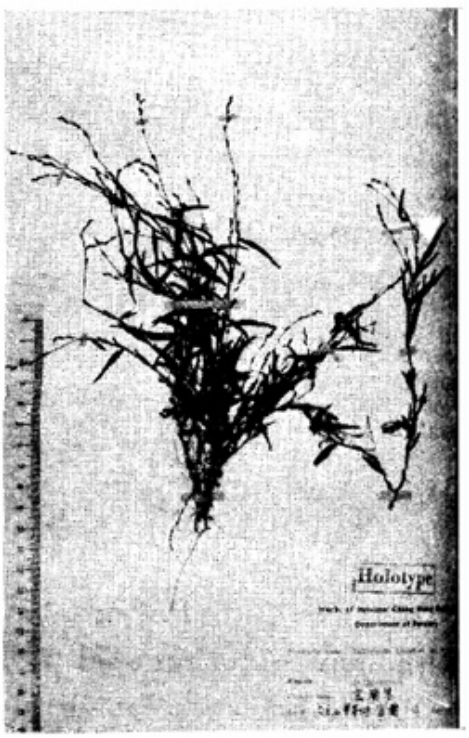

Fig.8 *Polygonum ilanense* Liu et Ou

Annuals. Stems glabrous, much branched, upper part ascending, 7–15cm. tall, lower part rooting at nodes and creeping. Leaves linear, 2–3cm. long, 2–4mm. wide, acuminate at both ends, glabrate except sparsely pilose at the midribs on both surfaces, entire or slightly ciliate at the margin, subsessile; ocreae cylindrical, 5–8mm. long, crispate outside and ciliate at the margin, ciliae 2mm. long. Inflorescence spicate, 2.5–5cm. long, loosely flowered. Ocreolae 2–3mm. long, glabrous, the margin ciliate, ciliae 2mm. long. Flowers pink, minute, some exserted, perianth 1mm. long, veins inconspicuous. Achene biconvex, 1.2mm. long, black and shinning.

Endemic, recently found in the northeastern part of Taiwan, at altitudes of about 2,000M.

Specimens examined:

Ilan Hsien: C.H. Ou et al 2692 (Holotype in NCUF)

主要參考文獻

Bentham, G & Hooker W. J., 1862: Genera Plantarum I.

Blume, K. L., 1825: Bijdr. Fl. Nederl. Ind. 13:648, 1825.

Cheng, Yung, 1937: Illustrated Mannual of Chinese Trees and Shrubs.

De Candolle, A.P., 1824: Prodromus Systamatis Naturlis Regni Vegetabilis I.

Handel-Mazzetti, H., 1933: Symb. Sin. Pl. 7:660.

Hatsusima, S., 1971: Flora of the Ryukyus.

., 1956: in Sci. Bull. Agr. Hom. Econ. Div. Univ. Ryuk. Okin. 3:20.

., 1970: An Enumeration of the Plants Collected By G. Ikeda in Botel Tobago Island.

Hayata, B., 1911–20: Icones Plantarum Formosanum I (1911); III (1913); V (1915); IX (1920).

., 1908: Flora Montana Formosana.

., 1911: Materials for a Flora of Formosana.

Hooker, J.D., 1875–90: The Flora of British India I (1875), V (1890).

Hsu, C.C., 1967: The Polygonaceae, Amaranthaceae, Chenopodiaceae and Moraceae of Taiwan.

Hutchinson, J., 1967: The Genara of Flowering Plants II.

Kanehira, R., 1936: Formosan Trees rev. ed.

Kitamura, S. et Murata G., 1971: Coloured Illustr Herb. Pl. Jap. I–II.

Kudo, Y., 1923: Contr. N. Saghal. 36.

Lawrance, G., 1951: Taxonomy of Vascular Plants

Li, H. L., 1963: Woody Flora of Taiwan

Linnaeus, C., 1753: Species Plantarum

., 1754: Genera Plantarum

Liu, T.S., 1960, 1962: Illustr. Nat. & Introd. Pl. Taiwan I–II

Liu, Y.C., 1972: Ligneous Plants of Taiwan

Makino, T., 1961: New Illustr. Fl. Jap.

Makino, T. & Nemoto K., 1931: Fl. Jap.

Masamune, G., 1954: A List of Vascular Plants of Taiwan

Matsumura, J. & Hayata B., 1906: Enum. Pl. Formos.

Merrill, E.D., 1923: Enum. Philip. Pl. 2:490.

., 1908: in Philip. Journ. Sci. Bot. 3:242