

***ERODIUM MOSCHATUM* (L.)L'HER. (GERANIACEAE)-A NEWLY NATURALIZED PLANT FOR TAIWAN**

JUN-CHIH OU⁽¹⁾ and MUH-TSUEN KAO⁽¹⁾

(Manuscript received 30 July 1993; revised version accepted 15 January 1994)

Abstract: *Erodium moschatum* (L.)L'Her. a Geraniaceous plant of S. & W. Europe origin, is here reported for the first time from Taiwan. A taxonomic description and a line drawing are prepared.

INTRODUCTION

Genus *Geranium*, and the only one genus in family *Geraniaceae* on Taiwan has been described in the **Flora of Taiwan** Published in 1977. Recently, we found another genus *Erodium* in the Ching-Ch'ing Farm in Nantou county. Here, we present the description and illustration of this new recorded genus.

1. *Erodium moschatum* (L.)L'Her. ex Ait., Kew. ed., 1:2:414, 1789; Syst. ed. I. 1735; Nagata, Illust. Jap. Alien Plants 111. 1972.

Geranium moschatum L., Sp. Pl.951, 1753.

麝香牻牛兒苗(擬) Pl. 1.

An annual herb, smelling of musk. Stem 15-50 cm high, hispid with glandular hairs. Leaves radical and cauline; radical leaves up to 20 cm long, oblong-lanceolate, pinnate; leaflets 3-9, ovate, dentate, serrate or pinnatifid; cauline leaves opposite, oblong-lanceolate, pinnate; leaflets 2-5, ovate, elliptic, serrate, pinnatifid. Umbels axillary, 5-12 flowered; peduncles 10-15 cm long; sepals 5, oblong; petals 5, ovate, acuminate, rose-violet; stamens 10, 5 of which staminodal; beak of fruit 3-5 cm long; styles recurved spirally at maturity.

Distribution: S. & W. Europe, Africa, America, Indonesia and Japan. Taiwan, naturalized in waste ground of Nantou County.

SPECIMENS EXAMINED:

TAIWAN. Nantou Co.: Ching-Ch'ing, M. T. Kao 10885*. Dec. 18. 1992.

Since this genus is new record in Taiwan, a key is given below to distinguish the related genus *Geranium*.

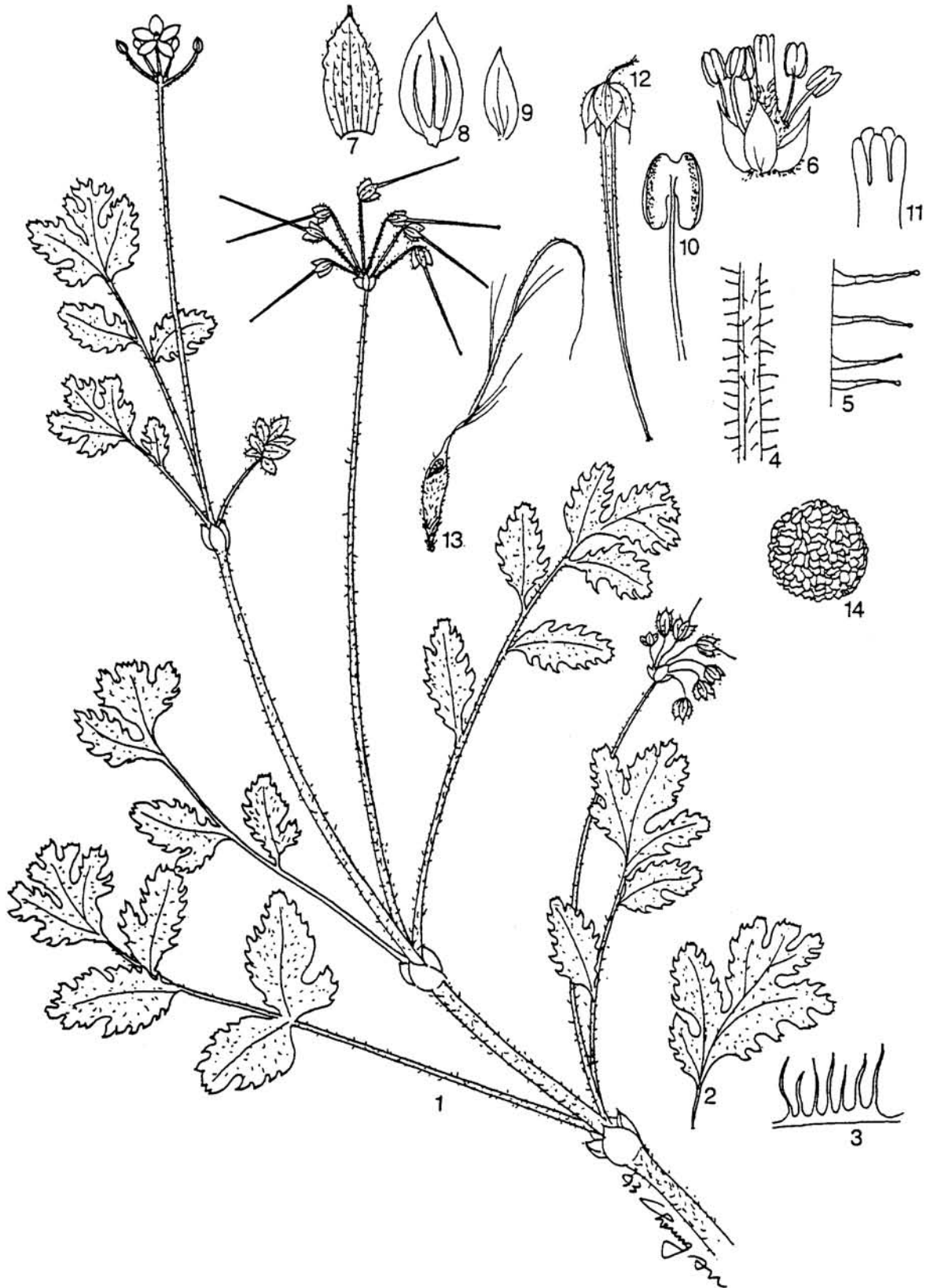
KEY TO GENERA IN TAIWAN:

1. Leaves simple, ternately or 3-5 divided; stamens 10, all fertile

.....*Geranium*
(老鶴草屬)

(1) 歐潤芝 高木村, National Research Institute of Chinese Medicine, Taipei, Taiwan 234, ROC.

* The Illustration was based on this specimen.



Pl. 1. *Erodium moschatum* (L.) L'Herit.

1. Habit; 2. leaf; 3. hairs of leaf; 4. stem; 5. glanular hairs in stem; 6. flower leaving sepals and petals; 7. sepal; 8. petal; 9. aborted petal; 10. stamen; 11. style; 12. fruit; 13. seed; 14. pollen \times 178.

1. Leaves pinnate, dentate, serrate or cleft; stamens 10, 5 of which staminodal
 *Erodium*
 (牻牛兒苗屬)

ACKNOWLEDGEMENT

We thank Dr. Tseng-chien Huang and Dr. Yamazaki Yoshio for the valuable suggestions in reviewing this manuscript, and to Mr. Cheng-An Hsu for the excellent line drawing.

LITERATURE CITED

- BAILEY, H. L., 1966. Manual of cultivated plants 596. Rev. ed.
 RICKETT, H. W. 1966. Wild flowers of the United States 5: MC GRAW-HILL BOOK CO., New York.
 NAGATA, T., 1972. Illustrated Japanese alien plants 111. Hokuryu-Kan, Tokyo. (In Japanese).

台灣新歸化種牻牛兒苗科植物-麝香牻牛兒苗(擬)

歐潤芝 高木村

摘要

本篇報告描述首次在南投縣清境農場附近採集得的牻牛兒苗科植物-麝香牻牛兒苗(擬)。同時列製檢索表以區別牻牛兒苗屬 *Erodium* 與其相關屬老鶴草屬 *Geranium*。

牻牛兒苗科之 *Erodium* L'Herit. 屬之中文名稱爲牻牛兒苗屬，*Geranium* L. 屬之中文屬名爲老鶴草屬。唯台灣分類學者多將此二屬之中文名稱誤植，特此訂正。