



A review of the genus *Comptosmittia* Sæther, 1981 (Diptera: Chironomidae) from China

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Abstract

The genus *Comptosmittia* Sæther, 1981 from China is reviewed. Three new species, *C. duodecima* **sp. n.**, *C. lii* **sp. n.** and *C. procera* **sp. n.** are described as adult males. *C. nerius* (Curran, 1930), *C. oyabelurida* (Sasa, Kawai *et* Ueno, 1988) and *C. togalimea* (Sasa *et* Okazawa, 1992) are recorded from China for the first time and annotated; as a result the diagnosis for the genus is emended. A key to adult males of all known *Comptosmittia* is also presented.

Key words: Chironomidae, *Comptosmittia*, new species, key, China

Introduction

The genus *Comptosmittia* was erected by Sæther (1981). Mendes *et al.* (2004) revised the genus, gave a key to known males of the genus and emended the generic diagnosis: the adult males can be separated from other genera by having scalpellate acrostichals in the middle of scutum, or close to antepronotum; combined with bare squama (except squama with 5 setae in *C. pittieri* Mendes *et al.*, 2004); very long costal extension; often absence of virga and dentate megaseta. The *Comptosmittia* larvae can be separated from other genera by having the four mandibular tooth clearly separated from the mola; the supraanal seta about 1/3 the length of the anal setae; the extent and depth of branching of the S1 seta (Cranston & Kitching 1995).

To date, *Comptosmittia* includes 12 species known species in Neotropical, Nearctic, Palaearctic, Oriental and Australasian regions (Ashe & O'Connor 2011). Wang (2000) recorded only *C. virga* from Oriental China.

In this paper, based on material from China, three new species are described. Three further species new to China are also recorded. The generic diagnosis given by Mendes *et al.* (2004) is emended, and a key to adult males of the genus is given.

Material and methods

The morphological nomenclature follows Sæther (1980). The material examined was mounted on slides, following the procedure outlined by Sæther (1969). Measurements are given as ranges followed by the mean, when four or more specimens are measured. Examined specimens in this study are deposited in the College of Life Science, Nankai University, China.

Systematic review

Comptosmittia Sæther

Comptosmittia Sæther, 1981: 20.