



First record of the genus *Xenoplatyura* Malloch, 1928 from China, with descriptions of three new species (Diptera: Keroplatidae)

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Abstract

Three new species of the genus *Xenoplatyura* Malloch are described from China: *X. sichuanensis* Cao et Xu, **n. sp.**; *X. lata* Cao et Xu, **n. sp.**; *X. bifida* Cao et Xu, **n. sp.**. Another species, *X. octosegmentata* Brunetti is newly recorded in China. A key to Chinese species of *Xenoplatyura* is given.

Key words: Keroplatidae, *Xenoplatyura*, taxonomy, new species, China

Introduction

The genus *Xenoplatyura* Malloch, 1928 is a rather large group in the tribe Orfeliini of the subfamily Keroplatinae, represented by over 50 species (including the species dealt with here) found in the world (Evenhuis, 2006). Half of the species are known from the Afrotropical Region and a few of species are known from the Palaearctic and Oriental Regions (Chandler, 1994; Chandler, 2000).

This is the first report of the genus *Xenoplatyura* from China. Three new species and one newly recorded species are discovered among the specimens deposited in the entomological collection of Zhejiang Forestry College, Lin'an, Zhejiang, China (ZJFC). A key is given to these species to aid in their identification.

The genus is distinguished from other related genera by the following characters: branches of medial and cubital veins bare dorsally; M2 and CuA1 somewhat abbreviated or faint apically; mesonotum uniformly setulose; tibial setae irregular on about basal half of tibia, in even rows on remainder of tibia; a few short frontal setae close to bases of antennae.

Material and methods

Specimens were collected by sweeping and Malaise traps and preserved in 80% ethanol. Holotypes and paratypes of new species in this study are deposited in ZJFC. Morphological terminology follows that of Sølvi *et al.* (2000).

Key to the species of *Xenoplatyura* known from China

- 1. Tergite IX bilobed and elongated (Fig.17)..... *X. bifida* Cao et Xu, **n. sp.**
- . Tergite IX not bilobed..... 2