



Heterotrissocladius Spärck from China (Diptera: Chironomidae)

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Abstract

Heterotrissocladius Spärck from China, including 5 species is reviewed. Three new species, *H. flectus* sp. n., *H. quartus* sp. n. and *H. reductus* sp. n. are described and illustrated as adult males, and *H. scutellatus* Goetghebuer is recorded from China for the first time. A key to the males of the reviewed species is presented.

Key words: Diptera, Chironomidae, *Heterotrissocladius*, new species, key, China

Introduction

Heterotrissocladius was erected by Spärck in 1922. Sæther (1975) revised the genus from the Nearctic and Palaearctic regions. To date, *Heterotrissocladius* comprises 19 species recorded worldwide: 9 species in the Palaearctic region, 7 in the Nearctic region and 6 in the Oriental region (Ashe and Cranston 1990, Oliver *et al.* 1990, Sæther 1975, Sæther 1993, Sæther & Schnell 1988, Singh 1958, Stur and Wiedenbrug 2005, Sublette and Sublette 1973, Yamamoto 2004).

So far, Wang (2000) recorded only one species of the genus from China, *H. marcidus* (Walker, 1856). Presently, further three new species are described and included in the key to males of *Heterotrissocladius* of China.

Methods and material

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 arithmetic mean, when three or more measurements, followed by the number of measured specimens (n) in parentheses. All the types described in this paper are deposited in the College of Life Sciences, Nankai University, China (BDN).

Review of species

Heterotrissocladius flectus sp. n.

(Figs. 1 A–B)

Type material. Holotype male (BDN No.14187), CHINA: Zhejiang Province, Tianmushan Natural Conversation area, 4.viii.1987, sweep net, H. Zou. Paratype: 1 male (BDN No.21221), CHINA: Guizhou Province, Daozhen County, Dashahe Natural Conversation area, 25.v. 2004, light trap, H. Tang.

Diagnostic characters. The new species can be separated from other members of the genus by having a distinctly curved inferior volsella and bare veins except vein R.

Etymology. From Latin, *flect-* means bent, referring to the shape of the inferior volsella.

Description. Male imago (n = 2).