



A review of the subgenus *Eudactylocladius* (Diptera: Chironomidae) from China

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Abstract

The subgenus *Eudactylocladius* Thienemann of the genus *Orthocladius* van der Wulp from China is reviewed. Three new species, *O. (E.) brevis*, *O. (E.) fengensis* and *O. (E.) intectus* are described and illustrated as adult males, and *O. (E.) mus-ester* Sæther, 2004, *O. (E.) priomixtus* Sæther, 2004 and *O. (E.) subletteorum* Cranston, 1999 are recorded from China for the first time and annotated. A key to the Chinese males of the subgenus is presented.

Key words: Diptera, Chironomidae, *Orthocladius*, *Eudactylocladius*, new species, key, China

Introduction

The subgenus *Eudactylocladius* Thienemann of the genus *Orthocladius* van der Wulp often dominates the fauna of thin water films in temperate regions. In arctic regions the larvae are found in inundated or damp soil and at margins of lakes. Other species in temperate Holarctic regions and in montane Afrotropical regions are truly lotic in streams.

Orthocladius subgenus *Eudactylocladius* was erected by Thienemann (1935), with *O. (E.) fuscimanus* (Kieffer, 1908) as type species. Cranston (1984, 1999) revised the Nearctic species, and Sæther (2004) added 3 species from Norway and gave a key to males of the subgenus. To date, ten species of the subgenus have been recorded worldwide, of which three are Holarctic, five are Palearctic, and two are Nearctic (Cranston 1984, 1999; Sæther 2004; Wang 2000).

Wang (2000) recorded *O. (E.) mixtus* (Holmgren, 1869) from China based on larva only. Below three new species are described and an additional three species are recorded from China.

Methods and material

The morphological nomenclature follows Sæther (1980). All the material examined were mounted on slides following the procedure outlined by Sæther (1969). In the figure of the male genitalia the dorsal view is shown to the left, the ventral aspect and apodemes to the right. The median projection of the stipes is not included in the figures as it is indistinct or not observable in all specimens. All types are deposited in the College of Life Sciences, Nankai University, China (BDN).

Orthocladius (Eudactylocladius) brevis sp. n.

(Figs 1–3)

Type material. Holotype male (BDN No. 11196), CHINA: Yunnan Province (subtropical area), Dali City, Diancang Mountain, Qingbi Stream, 23.v.1996, light trap, B. Wang. Paratype: 1 male, as holotype.