

Review of *Hayesomyia* Murray & Fittkau (Diptera: Chironomidae: Tanypodinae) from China

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Abstract

Eight new species of *Hayesomyia* are described on the basis of males from China: *Hayesomyia aquila*, *H. cinctuma*, *H. fengkainica*, *H. galbina*, *H. rotunda*, *H. triangular*, *H. trina*, and *H. zayunica*. *Hayesomyia tripunctata* (Goetghebuer) is reported from the Oriental Region for the first time and is redescribed and illustrated using Chinese specimens. A key to males of the genus of the world is presented and the generic diagnosis is emended.

Key words: Chironomidae, Tanypodinae, *Hayesomyia*, new species, key, China

Introduction

The Pentaneurini genus *Hayesomyia* was established by Murray & Fittkau in 1985, and *H. tripunctata* (Goetghebuer) was designated as the type species. Males of the genus are distinguished by the following combination of characters: scutal tubercle present; tarsomere 3 of mid leg without tarsal brush; tibial spurs semi-lyrate with main tooth and 5–8 lateral teeth; tibial comb on hind leg with about 7 setae; claws slightly bent; pulvilli absent; anal point broad and conical; gonocoxite with 20–30 dorsomedian setae; median volsella usually bilobed and setose; phallapodeme broad anteriorly; wing membrane with macrotrichia and occasionally banded; C slightly produced beyond R_{4+5} ; R_3 well developed, ending midway between R_1 and R_{4+5} ; anal lobe rounded, slightly produced.

To date, two species have been described in the world: *H. tripunctata* (Goetghebuer) from the Palaearctic Region (Goetghebuer 1922, Murray & Fittkau 1985) and *H. senata* (Walley) from the Nearctic Region (Walley 1925, Roback 1971). Wang (2000) recorded the genus from four Chinese provinces. In the present paper, we describe eight new species from China, extend the range of *H. tripunctata* into the Oriental Region, and emend the generic diagnosis of Murray and Fittkau (1989).