

Three new species of *Amphinemura* (Plecoptera: Nemouridae) with a key to the species from Guizhou Province, China

WEIHAI LI¹ & DING YANG^{1,2*}

¹Department of Entomology, China Agricultural University, Beijing 100094, China. E-mail: dyang-cau@yahoo.com.cn

²Key Lab of Insect Evolution & Environmental Changes, Capital Normal University, Beijing 100037, China

*Correspondence author

Abstract

The genus *Amphinemura* of the family Nemouridae is recorded from Guizhou Province for the first time. Three new species, *Amphinemura cordiformis* sp. nov., *Amphinemura guizhouensis* sp. nov. and *Amphinemura malleicapitata* sp. nov., are described and keyed. Their diagnostic characteristics are compared with close relatives.

Key words: Plecoptera, Nemouridae, *Amphinemura*, new species, Guizhou

Introduction

The genus *Amphinemura* belongs to the subfamily Amphinemurinae and has about 130 species from the Holarctic and Oriental Realms, including 42 from China. The species of *Amphinemura* from China were studied mainly by Wu (1938, 1949, 1962, 1973), Zhu & Yang (2002, 2003), Li & Yang (2005), Li, Yang & Sivec (2005), Yang, Li & Sivec (2005), and Yang, Li & Zhu (2005). Guizhou Province, with a subtropical climate, belongs to the Central China region of the Oriental Realm, and none of the *Amphinemura* species was previously known to occur in this area. In the present paper, three new species of *Amphinemura* are described and keyed from Guizhou Province. The studied material is deposited in the Entomological Museum of China Agricultural University (CAU), Beijing, and all of the specimens are preserved in 75% alcohol. Terminology generally follows that of Baumann (1975).