



## Two new species of *Amphinemura* (Plecoptera: Nemouridae) from Yunnan, China, with the redescription of *A. triramia* (Wu, 1962)

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### Abstract

Two new species in the family Nemouridae, *Amphinemura interrupta* **sp. nov.** and *A. nigritubulata* **sp. nov.**, are described from Yunnan, China. *Amphinemura triramia* (Wu, 1962) is re-described and re-illustrated based on fresh material from the same locality. Their relationships with close relatives are discussed.

**Key words:** Plecoptera, Nemouridae, *Amphinemura interrupta*, *Amphinemura nigritubulata*, *Amphinemura triramia*, new species, Yunnan, China

### Introduction

The genus *Amphinemura* is the largest genus in the family Nemouridae with more than 140 known species from the Holarctic and Oriental Regions. The species of *Amphinemura* from China were studied mainly by Wu (1935, 1938, 1949, 1962, 1973), Zhu and Yang (2002, 2003), Li and Yang (2005, 2006, 2007, 2008), Li *et al.* (2005), Yang *et al.* (2005a), Yang *et al.* (2005b), Du and Wang (2007), Du *et al.* (2007), Wang *et al.* (2006), and Wang *et al.* (2007). Yunnan is located in the southwestern China and straddles three climatic zones: temperate, sub-tropical and tropical. At present, the following eleven species of this genus are known to occur in Yunnan: *Amphinemura cornuloba* (Wu, 1973), *A. dentiloba* (Wu, 1973), *A. fililoba* (Wu, 1973), *A. rostraloba* (Wu, 1962), *A. triramia* (Wu, 1962), *A. auriculata* Du & Wang, 2007, *A. dispositospina* Du & Wang, 2007, *A. hamatmicroda* Du & Wang, 2007, *A. latifollicula* Du & Wang, 2007, *A. macrotubifera* Du & Zhou, 2007, *A. tubulata* Du & Zhou, 2007. In the present paper, two new species are added to the fauna of Yunnan, and re-descriptions and re-illustrations of *A. triramia* (Wu) are presented based on our recent material. The material studied is deposited in the Entomological Museum of China Agricultural University (CAU) except for the holotype of *A. triramia* (Wu), which is deposited in the Institute of Zoology, Chinese Academy of Sciences (IZCAS), Beijing. All of the specimens are preserved in 75% ethanol. The morphological terminology follows that of Baumann (1975).

### Taxonomy

#### *Amphinemura interrupta* Li & Yang, **sp. nov.**

(Figs. 1–5)