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Revision on genus *Xizicus* Gorochov (Orthoptera, Tettigoniidae, Meconematinae, Meconematini) with description of three new species form China

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Abstract

This work presents a revision of genus *Xizicus*. two new subgenera are described: *Xizicus* (*Zangxizicus*) subgen. nov. and *Xizicus* (*Haploxizicus*) subgen. nov. Three new species are described, namely *Xizicus* (*Paraxizicus*) *fallax* sp. nov., *Xizicus* (*Zangxizicus*) *tibeticus* sp. nov. and *Xizicus* (*Zangxizicus*) *quadrifascipes* sp. nov.. Keys to subgenera and species are provided.

Key words: Orthoptera, Tettigoniidae, Meconematinae, *Xizicus*, *Paraxizicus*, *Zangxizicus*, *Haploxizicus*, new species

Introduction

The taxonomy of the tribe Meconematini is very far from clear. Since 2000, a considerable number of Meconematini species have been reported in Oriental Region from China, the generic classification is in flux. Gorochov (1993) erected *Xizicus* for *Xiphidiopsis fascipes* Bey-Bienko, 1955 based on the genitalia of *Xiphidiopsis* and the male 10th abdominal tergite of *Kuzicus*. He also subdivided it into *Xizicus* and *Eoxizicus* and noted *Xizicus* (?) *ikonnikovi* Gorochov, 1993. Subsequently, Gorochov (1998) transferred *Xiphidiopsis juxtafurca* Xia & Liu, 1988 and *X. biloba* Bey-Bienko, 1962 to *Xizicus* (*Eoxizicus*), discussed *Xizicus* (*Xizicus*) *proximus* Gorochov, 1998, *Xizicus* (*Eoxizicus*) *tam* Gorochov, 1998, *X. (E.) dao* Gorochov, 1998, *X. (E.) dumplum* Gorochov, 1998, *X. (E.) khaosoki* Gorochov, 1998 and *X. (E.) danangi* Gorochov, 1998. In addition, he proposed the genus *Axizicus* for *Axizicus sergeji* Gorochov, 1998 and the genus *Neoxizicus*. Liu and Zhang (2000) reviewed the tribe Meconematini, elevated *Eoxizicus* to generic status and synonymized *Axizicus* with it, transferring *Xiphidiopsis cheni* Bey-Bienko, 1955, *Xiphidiopsis magna* Xia & Liu, 1992, *Xiphidiopsis divida* Shi & Zheng, 1995, *Xiphidiopsis arctalamina* Jin, 1999, *Xiphidiopsis concavilamina* Jin, 1999 to *Eoxizicus* along with 8 new species. Later, Gorochov (2002) erected subgenus *Furcixizicus* for *Xizicus* (*Furcixizicus*) *furcicercus* Gorochov, 2002 (type) and *Xizicus* (*Furcixizicus*) *changi* Gorochov, 2002, also *Xiphidiopsis cryptosticta* Hebard, 1922, *X. siamensis* Karny, 1926 and *X. biloba* Bey-Bienko, 1962 were included. Liu (2004) proposed subgenus *Paraxizicus* for *Xizicus* (*Paraxizicus*) *anisocercus* Liu, 2004, included *Xizicus* (*Paraxizicus*) *biprocerus* (Shi & Zheng, 1998), described male of *Xizicus* (?) *ikonnikovi* Gorochov, 1993 and transferred this species to *Xiphidiopsis* (*Dinoxiphidiopsis*). Subsequently, *Xizicus* (*E.*) *orlovi* Gorochov, 2005, *Xizicus* (*E.*) *ryabovi* Gorochov, 2005 and *Xizicus* (*E.*) *hue* Gorochov, 2005 were discussed by Gorochov in 2005. That same year, Gorochov and Kong stressed it was better to keep *Eoxizicus* as a subgenus due to lack of evidence with respect to Liu's (2000) opinion that *Xizicus* consisted of three subgenera excluding *Furcixizicus*: *Xizicus*, *Eoxizicus* and *Axizicus*. They described another 3 species: *X. (E.) hainani* Gorochov & Kang, 2005, *X. (E.) abnormalis* Gorochov & Kang, 2005, *Xizicus* (*A.*) *lineosus* Gorochov & Kang, 2005, and proposed a homonymous genus (with Liu, 2004) *Paraxizicus* Gorochov & Kang, 2005 containing different species. Sanger and Helfert (2006) reported *Xizicus kaltenbachi* Sanger & Helfert, 2006 which was

Axizicus maculatus Gorochov, 1998: 113.

Material examined. 2♂♂14♀♀ (Holotype and Paratype), Suoxiyu, Cili, Hunan, 1988.IX.4–12, leg. LIU Xian-Wei.

Distribution. China (Hunan).

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