



Remarks on the genus *Alloxiphidiopsis* Liu & Zhang, 2007 (Orthoptera, Meconematinae) from Yunnan, China

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Abstract

This paper deals with seven species, two species of which are new, i.e. *Alloxiphidiopsis quadratis* sp. nov., *A. fintera* sp. nov.. A key to the species of the genus *Alloxiphidiopsis* from Yunnan, China is provided.

Key words: *Alloxiphidiopsis*, Meconematinae, Yunnan, China

Introduction

Alloxiphidiopsis was proposed by Liu and Zhang in 2007, with the type species *Xiphidiopsis emarginata* Tinkham, 1944. *Alloxiphidiopsis* includes five species, four species of which are distributed in Yunnan, China.

Bey-Bienko (1955, 1957, 1962), Gorochov, Liu and Kang (2005), Shi and Zheng (1995), and Liu and Zhang (2000) reported new species of the tribe Meconematini from Yunnan, China. Yunnan is characterized by having a very rich and diverse fauna of Meconematinae with many endemic species.

Recent collections of *Alloxiphidiopsis* reveal two new species and one species is recorded for the first time from Yunnan. The specimens recorded here are deposited in the Museum of Hebei University.

Alloxiphidiopsis Liu & Zhang, 2007

Alloxiphidiopsis, Liu & Zhang, 2007, *Zootaxa*, 1581: 37; Eades & Otte, 2010, Orthoptera Species File Online. Version 2.0/3.5.

Type species: *Xiphidiopsis emarginata* Tinkham, 1944.

Generic diagnosis. Body small to medium in the tribe Meconematini. Fastigium verticis conical, with a longitudinal groove, apex obtuse. Apical segment of maxillary palpi about equal to subapical one. Pronotum comparatively short, humeral sinus conspicuous, or inconspicuous. Tegmina and hind wings considerably surpassing apices of postfemora. Male stridulatory apparatus developed. Procoxa with a spine. All femora unarmed. Lower lobes of hind knees bluntly rounded. Protibiae with open tympanum on each side. Posttibiae with three pairs of apical spurs. Male ninth abdominal tergite with a median process; cerci symmetrical or asymmetrical; subgenital plate with paired styli. Ovipositor with dorsal and ventral margins smooth, or ventral margin denticulated.

Key to species from Yunnan, China

- 1 Tegmina with blackish brown spots; male cerci symmetrical 2
- Tegmina without blackish brown spots; male cerci asymmetrical 3
- 2 Median process of male ninth abdominal tergite short and thin, hardly reaching posterior margin of tenth abdominal