



Article

urn:lsid:zoobank.org:pub:2760C703-1CD5-4136-AA80-13DF7EBE765F

A new genus and five new species of the Meconematini (Orthoptera: Tettigoniidae: Meconematinae)

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Abstract

In the present paper, one new genus *Allocyrtopsis* gen. nov. and 5 new species including 1 new in the genus *Neocyrtopsis* are described. A key to genera and species are provided. All type specimens are deposited in the SEM (Shanghai Entomological Museum, CAS).

Key words: Orthoptera, Tettigoniidae, Meconematinae, taxonomy, new genus, new species

Introduction

This paper presents a taxonomic study on genera of Meconematini from China, one new genus *Allocyrtopsis* gen. nov. and 5 new species were described, a key to genera and species is provided. *Neocyrtopsis* Liu & Zhang, 2007 elevated from subgenus to genus because it is distinguished from *Crytopsis* Bey-Bienko, 1962 by following combination of characters: hind tibiae with 3 pairs of apical spurs; male epiproct joined with 10th abdominal tergite. The new genus *Allocyrtopsis* gen. nov. is allied to *Neocyrtopsis* Liu & Zhang, 2007, but differs in its smaller body, male 10th abdominal tergite without lobes and not joined to the epiproct. All type specimens are deposited in the SEM (Shanghai Entomological Museum, CAS).

Key to genera and species

- 1 Male 10th abdominal tergite with paired lobes; male epiproct merged with 10th abdominal tergite (Fig. 2).....
..... *Neocyrtopsis* Liu & Zhang, 2007 2
- Male 10th abdominal tergite without lobes; male epiproct not merged with 10th abdominal tergite (Fig. 8)
..... *Allocyrtopsis* gen. nov..... 3
- 2 Hind knee lobe with a spine; male epiproct quadrate *Neocyrtopsis variabilis* (Hsia & Liu, 1993)
- Hind knee lobe without spine; male epiproct triangular; female subgenital plate as Fig. 5 *Neocyrtopsis fallax* sp. nov.
- 3 Male 10th abdominal tergite with hind margin middle concave 4
- Male 10th abdominal tergite with hind margin truncated or slightly projecting 5
- 4 All femora without pale brown rings (Fig. 6); male pronotum with a brown longitudinal band (Fig. 7); cerci of male slender and branched (Fig. 8); female subgenital plate triangular (Fig. 11), ovipositor longer *Allocyrtopsis ornata* sp. nov.
- All femora with pale brown rings (Fig. 12); female subgenital plate pyriform (Fig. 14) *Allocyrtopsis parva* sp. nov.
- 5 Body brown, legs with darkish brown spots; male 10th abdominal tergite with hind margin slightly projected, cerci wide and flat (Fig. 15); female subgenital plate as Fig. 18 *Allocyrtopsis platycerca* sp. nov.
- Body pale, legs without darkish markings; male 10th abdominal tergite with hind margin truncate, cerci wide circular (Fig. 20)
..... *Allocyrtopsis tibetana* sp. nov.