



A taxonomic study of the genus *Metiochodes* Chopard from China (Orthoptera, Gryllidae, Trigonidiinae)

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Abstract

A taxonomic study of the genus *Metiochodes* Chopard, 1893 from China is presented. Five species are described, including four new species. A key to species from China is given.

Key words: Orthoptera, Gryllidae, Trigonidiinae, *Metiochodes*, taxonomy, new species

Introduction

The genus *Metiochodes* was described by Chopard in 1931. There are fourteen species in the world including one species in China (Eades & Otte, 2010). In this paper, five species from China have been recognized, of which four species—*M. acutiparamerus* **sp. nov.**, *M. minor* **sp. nov.**, *M. tibeticus* **sp. nov.**, *M. truncatus* **sp. nov.**—are described new to. The type specimens are deposited in East China Normal University, Biology of History Museum, HSNU and Shanghai Entomological Museum, IEAS.

Metiochodes Chopard, 1931

Metiochodes Chopard, 1931. Bull. Raffles Mus., No.6: 137; Chopard, 1932. Ark. Zool. 23A N:o 9: 13; Chopard, 1951. Rec. S. Aust. Mus. 4(9): 477; Chopard, 1968. In Beier [Ed.]. Orthopterorum Catalogus 12: 337; Chopard, 1969. In Sewell [Ed.]. The Fauna of India and the Adjacent Countries 2: 299; Otte, 1994. Orthoptera Species File 1: 42; Yin & Liu, 1995. Synopsis on the classification of Grylloidea and Gryllotalpoidea from China: 31 (English p. 186); Ingrisch & Garai, 2001. Esperiana 8: 759.

Type species: *Metiochodes flavescens* Chopard, 1931

Body small, slender. Vertex flattened, eyes mostly horizontal lengthened, 5th joint of maxillary palpi widen. Anterior tibiae with tympana on inner side. Hind tibia with three pairs of dorsal spurs and five apical spurs. Tegmen with pubescence, veins longitudinal and parallel in both sexes, wings developed. Male genitalia varied. Ovipositor short and curved, apical valves not broader than the stem, margins with acute teeth.

Key to species of *Metiochodes* from China

- 1 Legs with black spots; tegmen darkened near Sc veins..... 2
- Legs and tegmen without markings..... 3
- 2 5th joint of maxillary palpi black; dorsal spurs of hind femora yellow; male genitalia with sharp apical lobes (Figs. 2–3)..... *M. acutiparamerus* **sp. nov.**
- 5th joint of maxillary palpi yellow; dorsal spurs of hind femora blackish; male genitalia with rounded apical lobes