



A taxonomic study of the genus *Amusurgus* Brunner von Wattenwyl from China (Orthoptera, Gryllidae, Trigonidiinae)

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Abstract

A taxonomic study of the genus *Amusurgus* Brunner von Wattenwyl, 1893 from China is presented. The genus is divided into three subgenera by the difference of tympana. Five species are described with two new species, one new combination, one resurrected name and one new synonymy. Keys to subgenera and species from China are given.

Key words: Orthoptera, Gryllidae, Trigonidiinae, *Amusurgus*, *Paranaxipha*, *Usgmona*, taxonomy, new species

Introduction

Amusurgus was described by Brunner von Wattenwyl in 1893. There are seventeen species in the world including three species in China. In this paper, five species have been recognized, of which two species—*A. (Amusurgus) bispinosus* **sp. nov.** and *A. (Paranaxipha) hainanensis* **sp. nov.**—are described new. The species from China are classified into three subgenera according to the tympana. *Usgmona* species have no tympanum, *Paranaxipha* species have tympana on the inner side of the fore tibiae and *Amusurgus* species have tympana on both sides. The type specimens are deposited in East China Normal University, Biology of History Museum, HSNU and Shanghai Entomological Museum, IEAS.

Amusurgus Brunner von Wattenwyl, 1893

Amusurgus Brunner von Wattenwyl, 1893. Ann. Mus. Civ. Stor. Nat. Genova Ser. 2 (13)33: 212; Kirby, 1906. A Synonymic Catalogue of Orthoptera (Orthoptera Saltatoria, Locustidae vel Acridiidae) 2: 83; Chopard, 1968. In Beier [Ed.]. Orthopterorum Catalogus 12: 330; Chopard, 1969. In Sewell [Ed.]. The Fauna of India and the Adjacent Countries 2: 289; Otte, 1994. Orthoptera Species File 1: 37; Yin & Liu, 1995. Synopsis on the classification of Grylloidea and Gryllotalpoidea from China: 30 (English p. 185).

Type species: *Amusurgus fulvus* Brunner von Wattenwyl, 1893

Body small, slender. Vertex convex, eyes mostly vertically lengthened, 5th joint of maxillary palpi widen. Anterior tibiae with or without tympana. Tegmen with pubescence; in the male, tegmen sometimes with defined stridulating veins and the anal field, the veins of dorsal field are more or less oblique. Wings developed or short.

Amusurgus species are similar to *Metiochodes* Chopard, 1932, but the veins on the male's tegmen are oblique while the ones of *Metiochodes* are parallel.