

A new genus and species of grasshopper from China (Orthoptera: Acrididae Catantopinae)

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Abstract

This paper reports a new genus and species of Catantopinae: *Guizhouacris xiai* gen et sp. nov. The new genus is similar to *Genimen* I. Bolivar, 1917, but differs from the latter in: 1) lateral lobes of metasternum separated in apical part and 2) prozona about 2.5 (♂) and 2.7 (♀) times longer than metazona. The new genus is also similar to *Rhinopodisma* Mishchenko, 1954 (= *Aserratus* Huang, 1981), but differs from the latter in: 1) diameter of tympanal aperture longer than half tergum and 2) face not projected between two eyes. Type specimens are deposited in the Museum of Hebei University (MHU).

Key words: Orthoptera, Acrididae, Catantopinae, new genus, new species, China

Introduction

The grasshopper subfamily Catantopinae is a rather large taxon, with many genera and species distributed over the whole world, including a great variety of forms. Characteristics for this subfamily are: male cerci and epiproct of variable shape; antennae filiform, with more than 20 segments; fastigium mostly impressed, roundly merging with the frontal ridge; foveolae absent; pronotum often without side-keels; prosternum with strong projection; dorsal basal lobe of the post femur longer than the ventral one, medial area with fishbone-pattern on the outside; tegmina often developed, sometimes abbreviated, rarely lacking. The apterous species are distributed on ocean islands or plateau with strong wind.

When examining specimens of grasshoppers preserved in the Museum of Hebei University, we discovered a new genus and a species of Catantopinae (Acrididae) from Dasha river of Guizhou province. The descriptions of this new genus and species are given below. Type specimens are deposited in the Museum of Hebei University.