



Two new species of the genus *Discophorellus* Tsaur & Hsu (Hemiptera: Fulgoromorpha: Cixiidae: Cixiini) from Guizhou Province, China

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Abstract

Two new species of the Oriental cixiid planthopper genus *Discophorellus* Tsaur & Hsu, 1991 (Hemiptera: Fulgoromorpha: Cixiidae: Cixiini), *D. cehengensis* Zhang & Chen **sp. nov.** and *D. transspinus* Zhang & Chen **sp. nov.**, from Guizhou Province, southwestern China, are described and illustrated. The generic characteristics are redefined. A key to the three known species of this genus in the world is provided.

Key words: Cixiid, Fulgoroidea, Oriental region, planthopper, taxonomy

Introduction

The cixiid planthopper genus *Discophorellus* was established by Tsaur and Hsu (1991) for *Discophorellus major* Tsaur & Hsu, 1991, and belongs to the tribe Cixiini in the family Cixiidae. To date, *D. major* is the only species recorded in the genus which occurs in the Oriental region (China: Taiwan) (Tsaur and Hsu, 1991).

During the course of studying species biodiversity of the suborder Auchenorrhyncha in southwestern China, two specimens belonging to undescribed species of the genus *Discophorellus* were found. The purpose of this paper is to describe these two new species and to provide an identification key to the known species of the genus.

Material and methods

Morphological terminology follows Löcker *et al.* (2006). Dry specimens were used for the description and illustration. External morphology was observed under a stereoscopic microscope and characters were measured with an ocular micrometer. The genital segments of the examined specimens were macerated in 10% KOH and drawn from preparations in glycerin jelly with the aid of a Leica MZ 12.5 stereomicroscope. Illustrations were scanned with Canon CanoScan LiDE 200 and imported into Adobe Photoshop 8.0 for labeling and plate composition. Specimens examined are deposited in the Institute of Entomology, Guizhou University, Guiyang, Guizhou Province, China (IEGU).

Taxonomy

Discophorellus Tsaur & Hsu, 1991

Discophorellus Tsaur & Hsu, 1991:21.

Type species: *Discophorellus major* Tsaur & Hsu, 1991, by original designation.