



***Shaoshia*, an unusual new cicada genus from Pakistan with the description of a new species (Hemiptera: Cicadidae)**

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Abstract

Shaoshia zhangii gen. & sp. n., from Pakistan, is described and placed in the cicada tribe Cicadatrini. The new genus is characterized by its completely hyaline wings with seven apical cells in the forewing and four apical cells in the hind wing, which is unique among Cicadidae. The relationship between the new genus and other taxa is discussed.

Key words: Cicadomorpha; Cicadinae; Cicadatrini, Cicadini; Dundubiini; taxonomy; host-plant

Introduction

The new cicada species collected from Pakistan and described herein is allied to species in the genera of the tribe Cicadatrini Distant, e.g., *Cicadatra* Kolenati, *Psalmocharias* Kirkaldy (formerly in the tribe Cicadini Latreille) (Duffels & van der Laan 1985), and *Nipponosemia* Kato (formerly in the tribe Moganniini) (Hayashi 1974; Lee & Hayashi 2004; Pham & Yang 2009) in having a small body size, not dentate pronotal margin, hyaline wings, small timbal covers, and the structure of the male genitalia. This new species cannot be placed in these or any other known genus of Cicadinae because of its unique morphology. We describe a new genus here to accommodate this new species, with a discussion of its relationships with other taxa.

Material and methods

This study is based on specimens collected from Pakistan in May 2007. External morphology was observed using a Motic SMZ 168-BL microscope. Photos were taken using a Scientific Digital micrography system equipped with an Auto-montage imaging system and a QIMAGING Retiga 4000R digital camera (CCD). The male genitalia were treated with 10% KOH solution at approximately 80°C for several minutes to be kept in glycerol and illustrated using a compound light microscope (Nikon Eclipse 50i). Terminology for morphological features follows that of Moulds (2005) except uncal lobe which is named as clasper in Moulds (2005).

Type specimens of the new species are deposited in the following institutions abbreviated in the text as follows:

NHMUK Natural History Museum of University of Karachi, Karachi, Pakistan
NWAUFU Northwest A&F University, Yangling, China