

# Acoustic Communication, Distribution, and Ecology of Grasshoppers of the Genus *Ramburiella* (Orthoptera, Acrididae) in Russia and the Transcaucasia and Some Problems of Taxonomy of the Tribe Arcypterini

V. Yu. Savitsky

*Moscow State University, Faculty of Biology, Moscow, 119899 Russia*

Received January 11, 2001

**Abstract**—The acoustic communication and specific features of ecology and distribution of *Ramburiella turcomana* and *R. bolivari* in Russia and the Transcaucasia were studied. The calling song of *R. bolivari* and the complete acoustic repertoire of *R. turcomana* are described for the first time. The acoustic repertoire of *R. turcomana* includes calling, rivalry, courtship, and jumping-on songs. *Pallasiella* is treated as a subgenus of the genus *Ramburiella*. The genus *Caucasippus* is shown to belong to the tribe Hypernephini. The importance of amplitude-temporal patterns of acoustic signals in the taxonomy of Gomphocerinae is discussed.