



Revision of the leafhopper genus *Onukigallia* Ishihara, 1955 (Hemiptera: Cicadellidae: Megophthalminae)

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Abstract

The megophthalmine leafhopper genus *Onukigallia* Ishihara is revised. Five species of this genus occurring in the Palearctic and Oriental Regions are recognized, including one new species, *Onukigallia matsumurai* **sp. nov.**, described from Yunnan Prov., China. Four other known species: *O. arisana* (Matsumura), *O. fanjingensis* Zhang & Li, *O. onukii* (Matsumura) and *O. tenuis* (Matsumura) are also diagnosed. A key to species of *Onukigallia* based on males is provided.

Key words: Auchenorrhyncha, Agalliini, morphology, taxonomy, distribution

Introduction

Onukigallia Ishihara is one of the smaller genera of the tribe Agalliini in the cicadellid subfamily Megophthalminae and is mainly distributed in the Palearctic and Oriental regions. *Onukigallia* was established by Ishihara (1955) with *Agallia onukii* Matsumura as the type species. Subsequently, Viraktamath (1973) transferred *Agallia arisana* Matsumura and *Agallia tenuis* Matsumura to the genus from Taiwan, China. Anufriev & Emeljanov (1988) recorded the genus from the Soviet Far East and Korea. Zhang & Li (1999) described the fourth species, *Onukigallia fanjingensis* from Guizhou, China. Recently, Viraktamath (2011) revised the genus and provided an identification key for three of the known species.

In the present study, *Onukigallia matsumurai* **sp. nov.** is described and illustrated from Yunnan Province, China. Four previously known species of *Onukigallia*: *O. arisana* (Matsumura), *O. fanjingensis* Zhang & Li, *O. onukii*, *O. tenuis* (Matsumura) are diagnosed. The ovipositor is described and illustrated for the first time. A key to the known species of *Onukigallia* based on males is also provided.

Material and methods

Terminology used follows mainly that of Oman (1949) and Dietrich (2005), and for the female genitalia Davis (1975) and the leg chaetotaxy Rakitov (1997). Techniques for the preparation of genital structures follow Oman (1949). Specimens examined in this study are deposited in the College of Life Sciences and Technology, Inner Mongolia Normal University, China (IMNU) and Institute of Entomology, Guizhou University, Guiyang, Guizhou Province, China (IEGU).

Results

Genus *Onukigallia* Ishihara

Onukigallia Ishihara, 1955: 215; Viraktamath, 1973: 311; Anufriev & Emeljanov, 1988: 71; Zhang & Li, 1999: 108. Viraktamath, 2011: 99.

Type species: *Agallia onukii* Matsumura, 1912 by original designation.