



A new species of the Oriental planthopper genus *Tenguna* Matsumura, 1910 (Hemiptera: Fulgoroidea: Dictyopharidae) from Xizang, China

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Abstract

The Oriental dictyopharid planthopper genus *Tenguna*, Matsumura, 1910 is redescribed, including its type species and a new species: *Tenguna medogensis* sp. nov. (S.W. China: Xizang). The discovery of the new species broadens our knowledge of the morphology and biogeography of the genus *Tenguna* and also represents the first record of the planthopper family Dictyopharidae in Xizang Autonomous Region, P. R. China.

Key words: *Tenguna*, Dictyopharidae, new species, China

Introduction

The Oriental dictyopharid planthopper genus *Tenguna* was established by Matsumura in 1910 based on a single species, *Tenguna watanabei* Matsumura, from Taiwan, China. Melichar (1912) in his dictyopharid monograph redescribed the genus and its species. Matsumura (1940) proposed that *Centromeria formosana* Kato, 1933 from the same location should be synonymised with *T. watanabei*. Since the genus and its type species were included in Metcalf's (1946) catalogue of world Dictyopharidae, they have not been mentioned until Yang & Yeh (1994) described and illustrated the fifth instar nymphs of *T. watanabei* and 27 other planthopper species. In addition, they provided the first description and illustration of the male genitalia of *T. watanabei*. Liang & Suwa (1998) designated a lectotype for *T. watanabei* after checking the type specimens of Matsumura's species of Fulgoroidea (excluding Delphacidae) in the Hokkaido University Insect Collection, Japan. Prior to this study, the genus *Tenguna* has been monotypic for nearly one hundred years.

While sorting and identifying planthopper material from the collection of the Insect Explorations of the Great Yarlung Zangbo Canyon, Xizang Autonomous Region, China, on Aug. 3–28, 2006, we found an undescribed species of the genus *Tenguna* Matsumura, 1910. The discovery of the new species not only broadens our knowledge of the morphology and biogeography of the genus, but also represents the first record of the planthopper family Dictyopharidae in Xizang, China. We herein describe and illustrate the new species, *Tenguna medogensis* sp. nov.

Material and methods

The specimens studied in the course of this work are deposited in the following institutions whose names are abbreviated in the text as follows: