



A taxonomic study of the genus *Macromotettix* Günther (Orthoptera: Tetrigoidea: Metrodoridae)

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Abstract

Sixteen species of *Macromotettix* Günther were systematically researched in this paper. One species, *Macromotettix guangxiensis* sp.nov., is described as new to science. An updated key to the species of *Macromotettix* is presented. The type specimens are deposited in the Institute of Zoology, Shaanxi Normal University, Xi'an, China (5♂4♀) and Department of Chemistry and Life Science, Hechi University, China (6♂10♀).

Key words: Orthoptera; Tetrigoidea; Metrodoridae; *Macromotettix*; new species

Introduction

The genus *Macromotettix*, a member of the family Metrodoridae, was erected by Günther in 1939. This genus currently includes 15 known species (Karny 1915, Günther 1939, Blackith 1992, Zheng 2005). The type species is *Macromotettix quadricarinatus* (Bolivar, 1898). They are mainly distributed in Indonesia, Solomon Islands, Guadalcanal, Vietnam and China (Günther 1939, Günther 1972, Zheng 2005). Sixteen species of *Macromotettix* Günther were systematically researched in this paper. One species, *Macromotettix guangxiensis* sp.nov., is described as new to science. An updated key to the species of *Macromotettix* is presented. The type specimens are deposited in the Institute of Zoology, Shaanxi Normal University, Xi'an, China (5♂4♀) and Department of Chemistry and Life Science, Hechi University, China (6♂10♀).

Macromotettix Günther 1939

Macromotettix Günther, 1939, Abh. Ber. Mus. Tierk. Volk. Dresden (A), 20: 154–155; Jiang and Zheng, 1998 Grasshoppers and Locusts from Guangxi, 317–318; Zheng & Jiang, 2002, Entomotaxonomia, 24(4): 235–236; Zheng, 2005 Fauna of Tetrigoidea from Western China, 139.

Type species: *Macromotettix quadricarinatus* (Bolivar, 1898)

Body moderate-sized or small, slender. Head not exserted or slightly exserted above the pronotal surface, vertex generally narrower than or as broad as or wider than an eye, median carinula distinct anteriorly, in profile, vertex and frontal ridge forming an round or obtuse shape. Frontal costa bifurcate behind the paired ocelli, fontal costa arcuate between antennae, paired ocelli placed between the middle of the eyes. Antennae filiform, inserted between the lower margins of eyes. Eyes globular in shape.