



## A review of the *Macropes* Motschulsky (Hemiptera: Lygaeoidea: Blissidae) from China, with descriptions of three new species

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### Abstract

Eighteen species of the genus *Macropes* Motschulsky from China are treated in the paper, in which *M. varipennis* (Walker, 1872) and *M. dilutus* Distant, 1901 are newly recorded from China; *M. bambusiphilus* Zheng & Zou, 1982 and *M. slateri* Zheng & Wang, 1987 are treated as new junior synonymies of *M. robustus* Zheng & Zou, 1982; three of them, *M. complanus* **sp. nov.**, *M. testaceus* **sp. nov.**, and *M. peculiaris* **sp. nov.**, are described as new to science. Photographs of all eighteen species and drawings of genitalia of new species and newly recorded species from China are illustrated, along with those modified parts of the key to the World species of *Macropes* in Slater (1979). The type specimens of the new species are deposited in the Institute of Entomology, College of Life Sciences, Nankai University, Tianjin, China.

**Key words:** Hemiptera, Lygaeoidea, Blissidae, *Macropes*, new species, new synonymy, China

### Introduction

The genus *Macropes*, erected by Motschulsky in 1859, is one of the most diverse genera of Blissidae. Prior to this study, 44 species have been considered valid in the genus (Slater 1964; Slater & O'Donnell 1995; Péricart 2001), and fifteen species of *Macropes* were recorded in China. Most of the species are distributed in the Oriental region, and a few species are distributed in Africa and the Palearctic regions adjacent to the Oriental region. Slater *et al.* (1969) reviewed the species from Thailand and Indochina, and segregated them into four complexes: the *Macropes raja* complex, the *Macropes punctatus* complex, the *Macropes femoralis* complex, and the *Macropes spinimanus* complex. Slater and Wilcox (1973) revised *Macropes* and gave a checklist including forty species valid in the world, but they did not include all species in the four complexes proposed in Slater *et al.* (1969), and did not set up more complexes to segregate other species in the world. Slater (1979) constructed a generic cladogram of the Blissinae, in which *Macropes* is treated as a paraphyletic group, and three lineages were derived from it. Zheng and Zou (1981b, 1982a and 1982b) described *M. monticolus* Hsiao & Zheng, *M. robustus*, *M. sinicus* (a junior synonymy of *M. harringtonae*), and *M. bambusiphilus* from China; Zheng and Wang (1987) described *M. slateri* from China. Kerzhner and Jansson (1985) synonymized *M. privus* Distant, 1909 as *M. dentipes* Motschulsky, 1859.

The aim of the present paper is to review the species of the *Macropes* from China. Two species, *M. varipennis* (Walker, 1872) and *M. dilutus* Distant, 1901, are newly recorded from China; *M. bambusiphilus* Zheng & Zou, 1982 and *M. slateri* Zheng & Wang, 1987 are treated as new junior synonymies of *M. robustus* Zheng & Zou, 1982; three new species, *M. complanus* **sp. nov.**, *M. testaceus* **sp. nov.**, and *M. peculiaris* **sp. nov.**, are reported. Now, 45 valid species are included in the genus, and eighteen species of *Macropes* were recorded in China. Photographs of all eighteen species and drawings of genitalia of new species and newly recorded species from China are illustrated. The species found in China since 1981, including the new species described in this paper, are inserted into the key to the World species of *Macropes* in Slater (1979); we have included only those parts of Slater's (1979) key which need to be modified.