



The genus *Hyboella* Hancock (Orthoptera: Tetrigidae: Metrodorinae) in China

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Abstract

The species of *Hyboella* Hancock occurring in China are listed. Two new species, *Hyboella tuberdoralis* **sp. nov.** and *Hyboella jiuwanshanensis* **sp. nov.** are described. The synonymy, distribution and a key to the species are presented.

Key words: Orthoptera; Tetrigidae; Metrodorinae; *Hyboella*; new species

Introduction

The genus *Hyboella* was erected by Hancock (1915) to accommodate six species: *H. angulifrons*, *H. conioptica*, *H. obesa*, *H. tentata*, *H. tumida* (Hancock, 1913) = *Coptotettix tumidus* Hancock, 1913 and *H. dilatata* (Haan, 1842) = *Tetrix dilatatum* Haan, 1842, from India. He designated *Hyboella tentata* Hancock, 1915 as the type species of the genus. The genus *Hyboella* belongs to the subfamily Metrodorinae (Tetrigidae) based on the following characters: antennae filiform; posterior lower angle of lateral lobe of pronotum laminate widened outwards, truncate at apex of posterior angle of lateral lobe of pronotum (Günther 1939, Bei-Bienko et al 1951, Kevan 1966, Yin 1984, Shishodia 1991, Ichikawa 1994, Liang 2000, Zheng 2005, Deng et al 2007). Since Hancock (1915), some new species of the genus *Hyboella* have been described (Hancock 1915, Günther 1939, Shishodia 1991, Ichikawa 1994, Liang 2000, Uvarov 1925, Zheng 2005, Deng et al. 2007). Additionally, *Coptotettix problematicus* Bolivar, 1909 and *Coptotettix tumidus* Hancock, 1913 were transferred to *Hyboella* by Günther in 1939. To date, the genus includes 28 known species worldwide, distributed mainly in Nepal, Burma, India, Indonesia, Malaysia, Thailand, Japan and China (Table 1). We report on the 17 species now known from China, including two new species and several new distributional records. A key to the Chinese species is also provided. The type specimens are deposited in the Institute of Zoology, Shaanxi Normal University, Xi'an, China.

Specimens were examined and illustrated using an XTL-1 stereomicroscope. Morphological terminology and measurement method follows that of Zheng (2005) and Deng et al. (2007). Measurements are given in millimeters (mm).

Hyboella Hancock, 1915

Hyboella Hancock, 1915, Rec. Ind. Mus. (Ent.), 11:104; Günther, 1939, Revision der Acrydiinae (Orthoptera). III. Sectio Amorphopi (Metrodorae Bol. 1887, Aut.):205; Kevan, 1966, Entomologische Mitteilungen, 34: 382; Shishodia, 1991, Rec.Zool. Surv. India. Occ. Paper, 140:105; Liang & Zheng, 1998, Fauna Sinica, Insecta.12: 111; Zheng, 2005, Fauna of Tetrigoidea from Western China: 165; Deng, Zheng & Wei, 2007, Fauna of the Tetrigoidea from Yunnan and Guangxi, 153.

Type species: *H. tentata* Hancock, 1915 by original designation.