



New and little-known pygmy grasshoppers (Orthoptera: Tetrigidae) from Thailand

SERGEY YU. STOROZHENKO¹ & PATTARAWICH DAWWRUENG²

¹*Institute of Biology and Soil Science, Far Eastern Branch of the Russian Academy of Sciences, Vladivostok, 690022, Russia.*
E-mail: storozhenko@ibss.dvo.ru

²*Natural History Museum, National Science Museum, Technopolis, Klong 5, Klong Luang, Pathum Thani, 12120, Thailand.*
E-mail: mapormail@hotmail.com

Abstract

An annotated list of 39 species in 25 genera and seven subfamilies of the pygmy grasshoppers (Orthoptera: Tetrigidae) from Thailand is given; from these 18 species are recorded from this country for the first time. Five new species are described: *Cotysoides gaponi* sp. nov. (subfamily Metrodorinae), *Eucriotettix anisyutkini* sp. nov., *Gavialidium bufocrocodil* sp. nov., *Scelimena bellula* sp. nov. (subfamily Scelimeninae) and *Phaesticus uvarovi* sp. nov. (subfamily Discotettiginae). One species is transferred from *Scelimena* to *Amphibotettix* and a new combination is proposed: *Scelimena hafizhii* Mahmmod, Idris et Salman, 2007 = *Amphibotettix hafizhii* (Mahmmod, Idris et Salman, 2007), comb. nov. The previously unknown male of *Falconius tschernovi* Storozhenko, 2014 is described.

Key words: Orthoptera, Tetrigidae, taxonomy, new species, synonymy, fauna, South-East Asia

Introduction

By the end of the last century, only eight species of pygmy grasshoppers (Orthoptera: Tetrigidae) had been recorded from Thailand (Blackith, 1992). Recently a few papers were published (Storozhenko, 2013 a, b; Storozhenko & Dawwrueng, 2014; Dawwrueng & Doodduem, 2014; Storozhenko & Pushkar, 2015) and currently the list of Tetrigidae of this country include 16 species in 13 genera, but undoubtedly the fauna of Thailand is still poorly investigated. For example, 36 species of pygmy grasshoppers are known from Vietnam (Kim & Pham, 2014), and 65 species are recorded from Nepal (Bey-Bienko, 1968; Ingrisich, 2001; Tumbrinck, 2015). More than 580 species are known from China, and of these 82 species are found in the Shiwanshan mountain range in Guangxi province alone, while the total fauna of Guangxi consists of 240 species (Deng *et al.*, 2015). New data on the Tetrigidae of Thailand are given in the present paper and an annotated list of all known taxa is also provided.

Material and methods

The present paper is based on the specimens of Tetrigidae collected in Thailand by Russian entomologists L.N. Anisytkin, M. Berezin, V.G. Bezborodov, D.A. Gapon, A.V. Gorochoy, V.M. Grigorenko, and K. Tomkovich in 1996–2012, as well as on specimens collected by the second author in 2013–2014. All photographs were made using a Canon EOS D6 digital camera with EF 100 mm f/2.8L Macro IS USM macro lens, Falcon Eyes Slk-2400S flash, and Combine ZM imaging software. The morphological terminology follows Storozhenko and Paik (2007), except for the detailed terminology of the pronotal carinae that follows Devriese (1999). The length of the body is measured from the frontal ridge to the apex of the subgenital plate; all the other measurements are standardized for Tetrigidae (Tumbrinck, 2014). The holotypes and paratypes of the new species as well as the majority of studied specimens are deposited in the Zoological Institute of the Russian Academy of Sciences, St Petersburg (ZISP); the specimens collected by the second author are deposited in the Thailand Natural History Museum, Thailand (THNHM).