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A taxonomic study on the species of the genus *Furcilarnaca* (Orthoptera, Gryllacrididae, Gryllacridinae)

MIAOMIAO LI^{1,2}, MEI LING SUN^{1,2}, XIANWEI LIU^{2,3} & KAI LI^{1,3}

¹School of Life Science, East China Normal University, Shanghai 200062, China. Email: kaili@admin.ecnu.edu.cn

²Shanghai Entomology Museum, Chinese Academy of Sciences, Shanghai 200032, China. E-mail: liuxianwei2008@163.com

³Corresponding author

Abstract

A taxonomic study of the genus *Furcilarnaca* Gorochov, 2004 is presented. Four new species are described: *F. affinis* sp. nov., *F. hirta* sp. nov., *F. fractiflexa* sp. nov., *F. brachyptera* sp. nov.. Two new combinations *F. fallax* (Liu et al., 2010) comb. nov. and *F. pulex* (Karny, 1928) comb. nov. are given. A key to the species and the distributional data of *Furcilarnaca* are provided.

Key words: Gryllacrididae, Gryllacridinae, *Furcilarnaca*, new species, new combination

Introduction

Gorochov (2004) proposed the genus *Furcilarnaca*, with the type species *F. superfurca* Gorochov, 2004. Besides, he described four new species and transferred three species from *Metriogryllacris* to this genus.

Bian *et al.* (2013) reviewed the *Furcilarnaca* of China, provided a key including 6 species and described 1 new species *F. wufengensis* Bian *et al.*, 2013. *F. superfurca* Gorochov, 2004 is first recorded from China (Yunnan province) and *F. huangi* Gorochov, 2004 is first found in the Guizhou and Guangxi provinces. To date, *Furcilarnaca* includes 8 species, 7 species are recorded from China, and 1 species occurred in Vietnam. In this paper, 4 new species of *Furcilarnaca* are described and under the names of *F. affinis* sp. nov., *F. hirta* sp. nov., *F. fractiflexa* sp. nov., *F. brachyptera* sp. nov.. Two new combinations are proposed: *F. fallax* (Liu *et al.*, 2010) comb. nov. and *F. pulex* (Karny, 1928) comb. nov. All type specimens recorded here are deposited in the Shanghai Entomology Museum, the Chinese Academy of Sciences.

Furcilarnaca Gorochov, 2004

Furcilarnaca: Gorochov, 2004. En. Rev., 84(8): 908–911; Bian *et al.*, 2013. Far East. En., 268: 1–8.

Generic diagnosis. Body small sized, slender. Anterior margin of pronotum slightly convex, posterior margin straight. Tegmina and wings well-developed, all veins hyaline or pale, with darkish brown membranes. Tegmina exceeding apex of hind femur or not reaching apex of hind femur; basal area of M vein arising in basal area of tegmina, not united with R vein. Wings slightly extending beyond tegmina. Fore coxae with a short spine, fore and mid tibiae with 5 pairs of spurs on ventral surface, and mid tibia with an apical spur on dorsal surface. Subgenital plate of male divided into two lobes, with styli. Ovipositor short and straight, with subacute apex.

Type species. *Furcilarnaca superfurca* Gorochov, 2004