



Remarks on the genus *Homogryllacris* Liu, 2007 (Orthoptera: Gryllacrididae: Gryllacridinae)

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Abstract

Four new species of the genus *Homogryllacris* Liu, 2007 are described, *H. anelytra* sp. nov., *H. ascenda* sp. nov., *H. brevispina* sp. nov. and *H. yunnana* sp. nov. A key to the species and the distributional data of the genus are provided. The all specimens recorded here are deposited in the Museum of Hebei University.

Key words: Stenopelmatoidea, Gryllacrididae; Gryllacridinae; *Homogryllacris*, new species, China

Introduction

Liu (2007) proposed the genus *Homogryllacris*, the type species is *Homogryllacris gladiata* Liu, 2007 (type locality: Suqiyu, Cili, Hunan, China), and the other species is *Homogryllacris rufovaria* Liu, 2007 (type locality: Baishanzu, Qingyuan, Zhejiang, China). So far, the genus *Homogryllacris* includes only the two species.

The original description of the genus shows the wings comparatively developed, the tegmina and hind wings of the known species reach or slightly do not reach apex of abdomen. We discovered one new species, which is without wings, and revised the generic characters.

In the paper, we checked the specimens of the known species, described four new species of *Homogryllacris* from China and a key for determination of them is provided. The all specimens are deposited in the Museum of Hebei University.

Homogryllacris Liu, 2007

Homogryllacris Liu, 2007, *Scientific Research Monthly*, 6(7): 1; Liu, Bi & Zhang, 2010, *Insects of Fengyangshan National Nature Reserve*, 63.

Type species: *Homogryllacris gladiata* Liu, 2007

Generic diagnosis. Body small to medium size. Fastigium of vertex wider than scape, nearly rounded, frons smooth. Eyes ovate, prominent. Ocelli small or indistinct. Pronotum subquadrate, anterior margin broadly rounded, posterior margin truncate, humeral sinus indistinct. Tegmina and hind wings developed or absent, M vein of tegmina simple, free, not united with R vein. Hind wings hyaline. Fore and middle tibiae with 4 pairs of movable long spines and a pair of short apical spurs on ventral margins separately, middle tibiae with an inner upper apical spur. Second and third abdominal tergites with transverse stridulatory teeth on lateral margins. In male: ninth abdominal tergite without processes; tenth abdominal tergite narrow, with a pair of processes; subgenital plate with styli. Ovipositor usually longer than hind femur, almost straight.