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A new species of *Velarifictorus* (*Pseudocoiblemmus*) from Thailand (Gryllidae; Gryllinae; Modicogryllini) with key to species

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Abstract

One new species of *Velarifictorus* (*Pseudocoiblemmus*) is described from Thailand: *Velarifictorus* (*Pseudocoiblemmus*) *bilobus* sp. n. A key to all known species of *Velarifictorus* (*Pseudocoiblemmus*) is provided.

Key words: Gryllidae, *Velarifictorus* (*Pseudocoiblemmus*), new species, key, Thailand

Introduction

Orthopteran diversity is still not fully understood in Southeast Asia due to vast biodiversity rich areas and incomplete sampling. This includes the Sakaerat Environmental Research Station (SERS), Thailand, which is located within the core and buffer zones of the UNESCO Sakaerat Biosphere Reserve. Faunistic survey of the orthopterans was recently conducted. Here, a new species of *Velarifictorus* (*Pseudocoiblemmus*) is described from SERS: *Velarifictorus* (*Pseudocoiblemmus*) *bilobus* sp. n. *Velarifictorus* is a very speciose genus of Gryllinae (Gorochoy, 2001). The subgenus *Pseudocoiblemmus* is one of the three subgenera under *Velarifictorus* and is distributed around the Indo-China region. Along with the description of the new species, a key to all known species of *Velarifictorus* (*Pseudocoiblemmus*) is also provided here.

Material and methods

Opportunistic collecting, sweep-netting and light-trapping were carried out by MKT and PD in Sakaerat Environmental Research Station, Thailand. Photographic images were made using the Visionary Digital System. Specimens were preserved by either drying and pinning or storing in absolute analytic-grade ethanol.

Measurements of specimens were made using a 0.05 mm vernier caliper. In the measurements, the following abbreviations are used: BL = body length; HL = head length; PL = pronotum length; PW = pronotum width; TL = tegmen length; HFL = hind femur length; HTL = hind tibia length; n(HTISS) = number of inner subapical spurs on hind tibia; n(HTOSS) = number of outer subapical spurs on hind tibia; n(HTIAS) = number of inner apical spurs on hind tibia; n(HTOAS) = number of outer apical spurs on hind tibia; n(HTIS) = number of inner spine on hind tarsus; n(HTOS) = number of outer spine on hind tarsus.

Depositories.

THNHM Thailand Natural History Museum, National Science Museum, Thailand

ZRC Zoological Reference Collection, Lee Kong Chian Natural History Museum (former Raffles Museum of Biodiversity Research), National University of Singapore