



A new species of *Leotichius* Distant (Hemiptera: Heteroptera: Leptopodidae) from Cambodia

SUNGHOON JUNG, RAM KESHARI DUWAL & SEUNGHWAN LEE¹

Laboratory of Insect Biosystematics, Research Institute for Agricultural and Life Sciences, Department of Agricultural Biotechnology, Seoul National University, Seoul 151–921, Korea

¹Corresponding author. E-mail: seung@snu.ac.kr

Abstract

One new species, *Leotichius schuhi* Jung **sp. nov.**, that shared habitat with the larvae of xeric adapted ant-lions (Neuroptera), is described from northern Cambodia. Diagnosis, description and biological notes of the new species are presented.

Key words: *Leotichius*, new species, Cambodia, ant-lion

Introduction

The genus *Leotichius* Distant consists of only three species in the world (the Old World region): *L. glaucopis* Distant from Burma (Distant, 1904), *L. speluncarum* China from limestone caves at Gua Berang, Perlis Province, Peninsular Malaysia (China, 1941), and *L. shiva* Polhemus & Schuh from the Kehen Temple at Bangli, Bali whose habitat is shared with ant-lion larvae (Polhemus & Schuh, 1994). The members in this genus are considered to prefer the habitats that consist of very dry soil sheltered from rain. For example, the species from Bali shared habitat with the larvae of xeric adapted ant-lions (Neuroptera) (Polhemus & Schuh, 1994), and *L. speluncarum* was found around limestone caves (China, 1941). Similarly, during the survey of the Cambodian heteropteran fauna the first author discovered a new species of the *Leotichius*, which also shared its habitat with the ant-lions as in *L. shiva*. In this study, we describe the new species (adults and nymphs) collected from northern Cambodia with illustrations of the thorax and parameres, and also provide short biological notes regarding habitat and feeding habit. All the measurements are in millimeters. Terminology employed is mainly that of Polhemus & Schuh (1994). Slide specimens were prepared for genitalia observations (see Jung *et al.*, 2011; Jung & Lee, 2012 for detailed preparation). Specimens are deposited in the insect collection of Seoul National University (SNU; South Korea, Seoul).

Systematic accounts

Family Leptopodidae Brullé, 1836

Tribe Leotichiini Schuh, 1986

Genus *Leotichius* Distant, 1904

Leotichius schuhi* Jung **sp. nov.*

Diagnosis. Generally recognized by pale brown or brown dorsum and dark brown venter, dark brown annulations on femora and hemelytron, dark coloration of cavities; distinctly raised keel like longitudinal carina of pronotum with sinuous posterior margin; incrassate antennal segments I and II, (bulb like segment I and flattened segment II); incrassate