



The genus *Lelia* Walker, 1876, with the Description of One New Species (Hemiptera: Heteroptera: Pentatomidae: Pentatominae)

ZHONG-HUA FAN & GUO-QING LIU¹

Institute of Entomology, Nankai University, Tianjin 300071, China

¹Corresponding author. E-mail: liugq@nankai.edu.cn

Abstract

Three species in *Lelia* Walker, 1876 are reviewed. One of them, *Lelia concavaemargo*, from Guangxi Province in China, is described here as new to science. Genital illustrations and photographs of both dorsal and ventral habitus are given, and a key to this genus is provided. Type specimens are deposited in the Institute of Entomology, Nankai University, Tianjin, China.

Key words: Heteroptera, Pentatomidae, *Lelia*, new species, genitalia

Introduction

In 1849, Dallas placed a new species, *Rhaphigaster octopunctata*, in his new subgenus *Prionochilus*. Walker then erected a genus *Lelia* in 1867 with another species, *L. porrigens*, as type species; this is a junior synonym of *Tropicoris decempunctata* Motschulsky, 1860. In 1867, also putting *T. decempunctata* Motschulsky as type, Jakovlev erected a new genus *Renardia*. Later, Reuter (1890) cleared the taxonomic generic problem, showing that *Prionochilus* Dallas, 1849 is a junior homonym of *Prionochilus* Strick, 1841 in Aves and *Renardia* Jakovlev, 1867 is a junior homonym of *Renardia* Motschulsky, 1865 in Coleoptera; *Lelia* was used as valid generic name after that.

At present, there are three species in this genus in the world, one of which is new.

Material and methods

Before illustrations, male genitalia were taken from relaxed specimens, and then kept in 2% warm KOH solution for about 40 minutes. Female genitalia were illustrated without any treatments.

Photographs of both dorsal and ventral habitus were made using a Nikon SMZ1000 apparatus. All measurements are in millimeters. Type specimens are deposited in the Institute of Entomology, Nankai University, Tianjin, China.

Taxonomy

Lelia Walker, 1867

Rhaphigaster subg. *Prionochilus*, Dallas, 1849: 191 (junior homonym of *Prionochilus* Strick, 1841, Aves; syn. Reuter, 1890: 248);

Lelia Walker, 1867: 406;

Renardia Jakovlev, 1876: 15–17. (junior homonym of *Renardia* Motschulsky, 1865, Coleoptera; syn. Reuter, 1890: 248)
Type species: *Lelia porrigens* Walker, 1867 (= *Tropicoris decempunctatus* Motschulsky, 1860).