



A revision of the genus *Lophomilia* Warren, 1913 with description of four new species from East Asia (Lepidoptera: Noctuidae: Hypeninae)

VLADIMIR KONONENKO¹ & GOTTFRIED BEHOUNEK²

¹Laboratory of Entomology, Institute of Biology and Soil science Far Eastern Branch of Russian Academy of Sciences, RF-690022 Vladivostok, Russia. E-mail: kononenko@ibss.dvo.ru

²D-85567 Grafing/Munich, Sudetenstrasse 6, Germany. E-mail: Gottfried.Behounek@T-Online.de

Abstract

The East Asian noctuid genus *Lophomilia* Warren, 1913 (= *Atuntsea* Berio, 1977, *Bryograpta* Sugi, 1977) is revised. Four new species (*L. nekrasovi* sp. n., *L. rustica* sp. n., *L. diehli* sp. n., and *L. kobesi* sp. n.) are described from Russian Far East, Korea, China and Indonesia, Sumatra. *Lophomilia takao* Sugi, 1962 and *Lophomilia albicosta* Yoshimoto 1995 are reported for the first time from China; *Lophomilia polybapta* (Butler, 1879) is first reported from Russia. The male and female genitalia of most species are described, adults of 12 species from East Asia are illustrated, and distribution maps for all species are presented.

Key words: Lepidoptera, Noctuidae, Hypeninae, *Lophomilia*, new species, East Asia, China, Korea, Russian Far East, Indonesia

Introduction

The aim of the present paper is to revise the genus *Lophomilia* and to describe four new species from East Asia. *Lophomilia* Warren, 1913 was erected by Warren (1913) in the subfamily Catocalinae with *Egnasia polybapta* Butler, 1879 as the type species. Sugi (1959, 1962) transferred *Micardia flaviplaga* Butler, 1878 (which had been placed by Warren in Erastrinae) to *Lophomilia*, described *L. takao* Sugi, 1962 from Japan as a sister species of *L. flaviplaga*, and placed the genus *Lophomilia* in the subfamily Ophiderinae. Subsequently, Holloway (1976) described *L. striatipurpurea* Holloway, 1976 from Borneo and Yoshimoto (1993, 1995) described three species (*L. albistria* Yoshimoto, 1993, *L. violescens* Yoshimoto, 1993 and *L. albicosta* Yoshimoto 1995) from Nepal. Two species, *L. hoenei* (Berio, 1977) and *L. kogii* (Sugi, 1977) were added to *Lophomilia* by Kononenko & Han (2007) by synonymizing of the genus *Atuntsea* Berio, 1977 into *Lophomilia*. Poole (1989: 601) transferred *Mecistoptera variegata* Hampson, 1895 into *Lophomilia*, and Fu & Tzoo (2002) referred to an unidentified species of *Lophomila* from Taiwan (these latter two taxa are unknown to us).

The article is based on material in the institutional collections of ZISP, IBSS, SZM IASE, ZFMK, ZSM, CIS, NEFU and the private collections of Danny Nilssen (Denmark), Gottfried Behounek (Germany, Munich), Wolfgang Speidel (Germany, Munich), Alan Salin (Estonia, Tallinn), and J.C. Sohn (Republic Korea) and Grigory Grigoryev (Russia, St. Petersburg).

Acronyms:

CIS Center for Insect Systematic, Kangwon National University, Chuncheon, Republic Korea

FNM Finnish Nature Museum (formerly Zoological Museum Helsinki University), Helsinki, Finland