



<http://dx.doi.org/10.11646/zootaxa.3794.2.7>

<http://zoobank.org/urn:lsid:zoobank.org:pub:2C792F35-CBAA-4C4C-91BB-57E39CDCBF10>

First record of *Hiroshia* László, Ronkay & Ronkay from China, with description of a new species (Lepidoptera: Thyatiridae)

HAILING ZHUANG¹, MAMORU OWADA² & MIN WANG¹³

¹Department of Entomology, College of Natural Resources and Environment, South China Agricultural University, Guangzhou, China

²Department of Zoology, National Museum of Nature and Science, Amakubo 4-1-1, Tsukuba, 305-0005 Japan

³Corresponding author. E-mail: minwang@scau.edu.cn

Abstract

The monotypical genus *Hiroshia* and the type species, *H. albinigra* László, Ronkay & Ronkay, 2001 from North Vietnam are recorded for the first time from China, with description of a new species, *H. nanlingana* sp. n. Adults and genitalia are illustrated and a distribution map of *Hiroshia* is provided.

Key words: Lepidoptera, Thyatiridae, *Hiroshia*, new record, new species, China

Introduction

The monotypical genus *Hiroshia* László, Ronkay & Ronkay, 2001 was regarded as a genus endemic to the Fan-si-pan Mts in northern Vietnam and only the type species, *H. albinigra* László, Ronkay & Ronkay, 2001, was reported (László *et al.*, 2007). The genus is defined by the highly sclerotized male genitalia, and the rather quadrangular valvae with complicated transtilla, and the subcostal sclerotized plate with variable spines, the short socii close to the base of the long uncus. Up to now, no distribution of the genus and more species are reported in other parts of the world.

In our surveys, however, eight specimens of the genus were collected from South China. After identifying the specimens and comparing the original descriptions of the type species, a new species of this genus are described herein.

Materials and methods

The specimens were collected by 450 watt incandescent light bulb from the provinces of Guangdong, Fujian and Yunnan, China. All specimens were deposited in the Department of Entomology, South China Agricultural University, Guangzhou, China. Adults and genitalia were disposed and photographed by the methods of Wang *et al.* (2012) and Hu *et al.* (2013). The morphological terminology follows László, Ronkay & Ronkay (2007).

Taxonomy

Genus *Hiroshia* László, Ronkay & Ronkay

Hiroshia László, Ronkay & Ronkay, 2001, *Acta Zoologica Academiae Scientiarum Hungaricae* 47(1): 59.

Type species: *H. albinigra* László, Ronkay & Ronkay, 2001.

Diagnosis. The most closely allied genera of *Hiroshia* are *Wernya* Yoshimoto, 1987 and *Chiropsestis* László,

Female genitalia (Fig. 3D): The papillae anales membranous, simple, hairy, with long apophyses posteriores retracting the 8th segment. Ostial part huge, broadly U-shaped, sclerotized, especially the outer margin of the U-shaped. Apophyses anteriores broader than apophyses posteriores, and dark and strongly sclerotized circular region present near the apophyses anteriores. Ostial section distinctly sclerotized. Ductus bursae short, corpus bursae membranous, signum fusiform, covered with some short spines.

Distribution. China (Jiangxi, Guangdong).

Etymology. The specific epithet is derived from one of the type localities.

Acknowledgments

We would like to express our sincere thanks to Mr Yasunori Kishida (the president of the Japan Heterocerists' Society, Tokyo) for providing relevant references and materials.

References

- Hu, Y., Han, H. & Wang, M. (2013) A new species of the genus *Casminola* (Lepidoptera: Noctuidae: Nolinae) from China. *Florida Entomologist*, 96 (1), 64–65.
<http://dx.doi.org/10.1653/024.096.0108>
- László, G.M., Ronkay, G. & Ronkay, L. (2001) Taxonomic studies on the Eurasian Thyatiridae. Revision of the *Wernya* Yoshimoto, 1987 generic complex and the genus *Takapsestis* Matsumura, 1933 (Lepidoptera). *Acta Zoologica Academiae Scientiarum Hungaricae*, 47 (1), 27–85.
- László, Gy.M., Ronkay, G., Ronkay, L. & Witt, Th. (2007) The Thyatiridae of Eurasia including the Sundaland and New Guinea (Lepidoptera). *Esperiana*, 13, 7–683.
- Wang, H., Kishida, Y. & Wang, M. (2012) A new species of *Lymantria* (Subgenus *Nyctria*) from China (Lepidoptera: Erebidae: Lymantriinae). *Florida Entomologist*, 95 (1), 25–27.
<http://dx.doi.org/10.1653/024.095.0105>
- Yoshimoto, H. (1987) Notes on *Mimopsestis* Matsumura, 1921, and its allied new genus, with descriptions of three new species from Southeast Asia (Lepidoptera, Thyatiridae). *Tyô to Ga*, 38 (1), 39–53.