



Revision of the Micronoctuidae species occurring in the Russian Far East and neighbouring countries with description of a new species (Lepidoptera, Noctuoidea)

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Abstract

The family Micronoctuidae and the genus *Micronoctua* Fibiger, 1997 are reported from the Russian Far East and neighbouring countries for the first time. The family is represented in the region by two species in the genera *Mimachrostia* Sugi, 1982 and *Micronoctua* both occurring in Russian Far East, Korea, China and Japan. The northern distribution limit of the family Micronoctuidae is the middle of the Amur River (50°31'N, 137°035'E), reached by *Mimachrostia fasciata* Sugi, 1982. The new species, *Micronoctua occi*, **sp. n.** is described from Russian Far East, the Korean peninsula, China and the Tsushima Islands of Japan. The male and female genitalia are illustrated and compared with those of *Micronoctua karsholti*. Distribution maps for the two species are presented.

Key words: Micronoctuidae, *Micronoctua*, *Mimachrostia*, taxonomy, new species, Russian Far East, Korea, China, Japan, distribution

Introduction

This paper is one of several background articles for the forthcoming volume 2 of the issue “Noctuidae Sibiricae” (Kononenko *in prep.*), and addresses two genera and two species of the recently described family Micronoctuidae Fibiger, 2005 distributed in the south of the Russian Far East and neighbouring countries. The family Micronoctuidae and the genus *Micronoctua* are reported for the region for the first time. We describe a new species of the genus *Micronoctua* Fibiger, 1997 to make its name available for further taxonomic work.

The material was collected by light partly by the authors, and partly by lepidopterists from Russia, Japan and South Korea, who kindly let us borrow their specimens and genitalia slides for examination. Some material was examined from museum collections. Standard methods and chemicals were used for dissection of the abdomen and genitalia. The description of the taxa included here will be further elaborated in parts 2 and 3 of the “Revision of the Micronoctuidae” (Fibiger *in prep.*).

Family MICRONOCTUIDAE Fibiger, 2005

Fibiger, 2005, in Fibiger & Lafontaine, 2005, *Esperiana* 11: 33. Type genus *Micronoctua* Fibiger, 1997

Small and very small moths (wingspan 6–13 mm). Vein M3 and Cu1 on hindwing stalked; together with C2 the hindwing becomes two-branched (bifid hindwing); one of the autapomorphic character states for the