



Two new species of the subfamily Xyleninae from China (Lepidoptera, Noctuidae)

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Abstract

Two new noctuids in the subfamily Xyleninae, *Chasminodes behouneki* **sp. n.** and *Lithophane gansuana* **sp. n.**, belonging to the tribes Cosmiini and Xylenini respectively, are described from central China. The new species *C. behouneki* and *L. gansuana* represent allopatric sister species of *C. ussurica* Kononenko, 1982 and *L. pacifica* Kononenko, 1978, both described from the Russian Far East. Adults and the genitalia of the species are illustrated, and new distributional data and maps for *C. ussurica* and *L. pacifica* are presented. A checklist of the genus *Chasminodes* is provided.

Key words: Lepidoptera, Noctuidae, Xyleninae, Cosmiini, Xylenini, *Chasminodes*, *Lithophane*, new species, China, Russian Far East

Introduction

The present article two pairs of sister species of Xyleninae from Central China and the Russian Far East. These belong to two genera of two rather remote groups, the tribes Cosmiini and Xylenini in the subfamily Xyleninae (*sensu* Fibiger & Lafontaine 2005 and Lafontaine & Fibiger 2006). The new species represent allopatric sister species to *C. ussurica* and *L. pacifica* respectively, described from the south of Russian Far East, and found also in the Korean Peninsula and North China.

Specimens used for the description of the new species have come from the private collections of German and Russian lepidopterists. The types specimens of the new species will be deposited in Zoologische Sammlung des Bayerischen Staates, Munich, Germany and Zoological Institute of Russian Academy of Sciences, St. Petersburg, Russia.

Genus *Chasminodes* Hampson, 1908

Chasminodes Hampson, 1908, *Catalogue of the Lepidoptera Phalaenae in the British Museum* 7: 4. Type-species: *Acontia albonitens* Bremer, 186, by subsequent designation by Hampson, 1910.

Chasminodes represents a rather homogenous genus of the tribe Cosmiini, subfamily Xyleninae with 17 species predominantly of Manchurian and partially Oriental distribution. The species are characteristic components of Manchurian broad-leaved and mixed forests in the Far East, and in some years the larvae appear in great abundance and seriously damage lime (*Tilia*) trees. Hampson (1910) referred only five species to the genus: *C. atrata*, *C. nervosa*, *C. nigrilinea*, *C. cilia* and *C. albonitens*. Sugi (1955, 1956) revised the *C. albonitens* complex in Japan and named five new species. Subsequently, two new species were described by Yang (1964) from China, two by Kononenko (1981, 1982) from Japan and Russian Far East, one by Chen