



Five new species of the genus *Meganola* Dyar, 1898 (Lepidoptera: Nolidae: Nolinae) from China

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Abstract

Five new species of the genus *Meganola* Dyar, 1898 (*M. subscripta*, *M. nanlinga*, *M. cenwanga*, *M. wilbarka* and *M. daminga* spp. n.) are described from China and the adjacent regions, including figures of the adults and genitalia.

Key words: Nolidae, Nolinae, *Meganola*, new species, China, South-east Asia

Introduction

The genus *Meganola* Dyar, 1898 was established for the North American species *conspicua* Dyar, 1898. According to the genitalic structure of the type species, *Meganola* also occurs in Eurasia, and is a diverse genus consisting of numerous supraspecific units and 166 described species at the time of publication of Poole's catalogue (1989). A considerable number of new *Meganola* species have been described recently (Inoue, 1991; Holloway, 2003; László, Ronkay & Witt, 2005, 2007, 2010) from the South-east Asian region. Kononenko & Han (2007) reported 15 species from the Korean Peninsula, while Sasaki (2011) listed 14 species from Japan. In our surveys, based on recently collected materials in different areas of China and the adjacent regions, we found five new species which are described herein.

Material and methods

All the specimens were trapped at light. Abdomens of investigated specimens were cleared in 10% Sodium Hydroxide (NaOH) and mounted in Glycerine (C₃H₈O₃). Photographs of adults were taken using a NIKON D90 digital camera, and photos of genitalia were taken by Carl Zeiss Discovery V12, with plates compiled in Adobe Photoshop v6.0. Institutional and private collections acronyms are as follows: SCAU = Department of Entomology, College of Natural Resources and Environment, South China Agricultural University, Guangzhou, China; Museum Witt, Munich, Germany; HYQ = genitalia slide by Yanqing Hu; LGN = genitalia slide by Gyula M. László; W = genitalia slide Museum Witt, Munich.