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Revision of the Palearctic and Oriental species of the genus *Naarda* Walker, 1866 (Lepidoptera: Erebidae, Hypeninae). Part 5. Description of 13 new species from Asia

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Abstract

Descriptions of 13 new *Naarda* species, *N. cingulata* (Thailand), *N. imitata* (Cambodia), *N. hallasana* (Korea), *N. calligrapha* (India, Burma and Indonesia: Buru Island), *N. felinopsis* (Vietnam), *N. furcipalpa* (Brunei), *N. uthanti* (Burma), *N. capreola* (Cambodia), *N. leptosigna* (Sri Lanka), *N. nigrissima* (Cambodia, Thailand and Taiwan), *N. bicolora* (Cambodia), *N. gigitaloba* (Sri Lanka) and *N. numismata* (India) **spp. n.** are given. With 50 figures.

Key words: *Naarda*, Hypeninae, new species, Asia, description, genitalia, labial palps

Introduction

With the publication of this part the number of *Naarda* species described by the authors as new for the science rises to 63 and the total number of Oriental and Palearctic taxa exceeds the 90. In contrast to the previous four parts (Tóth & Ronkay, 2014a; in press: b; 2015a and b), which deal with more or less distinct and compact evolutionary lineages, this paper contains the descriptions of a dozen of species from different internal groups. This article presents largely the results of the first author's research in The Natural History Museum, London, and the results of the study of hitherto unidentified material of the Hungarian Natural History Museum, Budapest.

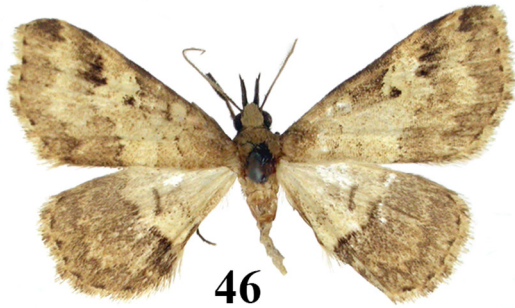
Literature sources include, besides the recent works of the authors, practically only the original descriptions of the species given by Walker (1858, 1859, 1866), Hampson (1891, 1893, 1902, 1912), Staudinger (1892), Wileman (1915), Strand (1920), Prout (1928), de Joannis (1929), Sugi (1982), Holloway (2008) and Deng & Han (2011).

According to our plans, this is the last part containing only descriptions; the next item will enumerate all Asian species and establish the infrageneric systematics of the group.

Material and methods

The method of preparing permanent genitalia slides, the genitalia terminology and the structure of species descriptions are the same as in the first part of this series. We continue the practice of designating the least worn male specimen as holotype in each description.

Abbreviations: BMNH—The Natural History Museum, London (formerly the British Museum of Natural History); HNHM—Hungarian Natural History Museum, Budapest; HSS—Heterocera Sumatrana Society, Göttingen; MF—The private collection of the late Michael Fibiger (currently hosted at ZMUC); MFN—Berlin Natural History Museum—Museum für Naturkunde, Berlin; OUMNH—Oxford University Museum of Natural History; SDEI—German Entomological Institute—Senckenberg Deutsches Entomologisches Institut, München; TFRI—Taiwan Forestry Research Institute, Taipei, Taiwan; ZFMK—Alexander Koenig Museum, Bonn—Zoologisches Forschungsinstitut und Museum Alexander Koenig; ZMUC—Zoological Museum of the University of Copenhagen; ZSM—Zoological State Collection, Munich—Zoologische Staatssammlung, München.



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PLATE 7. Adults of *Naarda* species.

Figure 46: *Naarda* sp. near *N. lancanga*, male

Figure 47: *N. sp.* near *N. lancanga*, female

Figure 48: *N. gigaloba* sp. n. male, holotype

Figure 49: *N. gigaloba* sp. n. female, paratype

Figure 50: *N. numismata* sp. n. male, holotype

Figures 2–8, 10–16, 18, 20–21 and 23–25 were prepared by János Babics; 38–39 by Alberto Zilli; remaining by the authors. Figures are not to scale.

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