



## A review of the genus *Belciades* Kozhanchikov, 1950 (Lepidoptera, Noctuidae, Pantheinae), with descriptions of two new species from China and Thailand. Revision of Pantheinae, contribution II

GOTTFRIED BEHOUNEK<sup>1</sup>, HUI-LIN HAN<sup>2</sup> & VLADIMIR KONONENKO<sup>3,4</sup>

<sup>1</sup>D-85567 Grafing/Munich, Sudetenstrasse 6, Germany. E-mail: Gottfried.Behounek@t-online.de

<sup>2</sup>School of Forestry, Northeast Forestry University, Harbin, CH-150014 China. E-mail: hanhuilin@yahoo.com.cn

<sup>3</sup>Laboratory of Entomology, Institute of Biology and Soil Science Far Eastern Branch of Russian Academy of Sciences, RF-690022 Vladivostok, Russia. E-mail: kononenko@ibss.dvo.ru

<sup>4</sup>Corresponding author

### Abstract

The genus *Belciades* Kozhanchikov, 1950 is reviewed, and its systematic position stated as Pantheinae. Two new species are described, *Belciades cyana* sp. n. from China, and *B. cyanobrunnea* sp. n. from China and Thailand. The adult and male and female genitalia of all species are illustrated.

**Key words:** Lepidoptera, Noctuidae, Pantheinae, *Belciades*, new species, China

### Introduction

This paper is the second in a series of articles on the subfamily Pantheinae. Here we focus on the small Manchurian-Oriental genus *Belciades* Kozhanchikov, 1950, reviewing its position and erecting two new species. The genus *Belciades* was described by Kozhanchikov (1950) in the tribe Momini (currently subfamily Pantheinae) as monotypic. The type species of the genus, *Habrostola niveola* Motschulsky, 1866, was considered by earlier authors as a member of the genus *Belciana* Walker, 1862, which was placed in the subfamily Noctuinae sensu by early authors (Warren, 1913; Draudt, 1950) (Erebidae in the current sense). Kozhanchikov (1950) placed *Belciades* and *Belciana* to the tribe Momini (subfamily Pantheinae in the current sense). In Kozhanchikov's treatment, the tribe Momini included genera with quadrifine venation (M2 on hindwing present) and haired or naked eyes.

Sugi (1958, 1982) treated *Belciades* as a member of the Acronictinae. The Pantheinae sensu Sugi included some characteristic genera with combination of hairy eyes and quadrifine venation. Some genera with naked eyes and quadrifine venation (*Cymatophoropsis* Hampson, 1894, *Belciades*, *Euromoia* Staudinger, 1892, *Moma* Hübner, 1816, *Nacna* Fletcher, 1961) were included by him as Acronictinae, in spite of the fact that the remainder of the genera in Acronictinae have trifine venation in combination with naked eyes. Kononenko (1997, 2010) followed Sugi (1982) and placed *Belciades* in the subfamily Acronictinae. However, the concept of Pantheinae has recently been expanded by Holloway (2009) who included in Pantheinae some genera with quadrifine venation and naked eyes that had formerly been placed in Catocalinae (currently Erebidae), including *Arcte* Kollar, [1844], *Cyclodes* Guenée, 1852, *Donda* Moore, 1882 and *Belciana*. The group of genera *Belciades*, *Belciana* (sensu Poole 1989 and Holloway 2009) and *Donda* could be characterized by naked eyes, quadrifine venation, cryptic greenish brown coloration of the forewing, and details of the structure of genitalia.

### Material and methods

The article is based on the institutional collections of ZFMK, NEFU, and the private collections of Armin Becher (Germany), Gabor Ronkay and Peter Gyulai (Hungary). Dissection of the abdomen and genitalia follows Konon-