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Revision of the Old World genera *Panthea* Hübner, [1820] 1816 and *Pantheana* Hreblay, 1998 with description two new species from China (Lepidoptera, Noctuidae: Pantheinae). Revision of Pantheinae, contribution IX

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Abstract

The Old World species of the genus *Panthea* Hübner [1820] 1816 are revised. The article contains the description of two new species *Panthea fuscogrisea* sp. n. and *Panthea florianii* sp. n. from continental China and re-description of two species *P. roberti* Joannis 1928 and *P. grisea* Wileman, 1919 with illustration of male and female genitalia. *Diphthera hoenei* Draudt, 1950 (syn. n.) is synonymised with *P. roberti* Joannis 1928. The species *Panthea ronnyi* Thony, 1996 is excluded from the genus *Panthea*. Lectotypes for *Diphthera hoenei* and *Panthea roberti* are designated. The genus includes five species in the Old World, distributed mainly in Sino-Himalayan subregion of the Palaearctic. A checklist of species of the genus *Panthea* is presented. The little-known genus *Pantheana* Hreblay, 1998 with the sole species *Pantheana yangzish-erpana* Hreblay, 1998 is reviewed. The imagines, male and female genitalia of all Old World species of *Panthea* and *Pantheana* are illustrated.

Key words: Lepidoptera, Noctuidae, Pantheinae, *Panthea*, *Pantheana*, new species, new synonymy, SE Asia, China, Thailand, Taiwan, Nepal

Introduction

Panthea Hübner [1820] 1816 is the type-genus of the subfamily Pantheinae, traditionally treated as a subfamily of the Noctuidae. Kitching and Rawlins (1999) gave the family status to Pantheinae, but Lafontaine and Fibiger (2006) returned them back, and this was confirmed by modern molecular study of the basal lineage of Noctuidae (Zahiri et al., 2013). The genus is distributed in the temperate zone of the Holarctic and in mountainous areas of the Oriental region. It includes 13 species, five of them in the Old World and eight in the New World. The New World *Panthea* taxa were recently revised by Anweiler (2009).

Poole (1989) listed four species of *Panthea* for the Old World. Subsequently one species (*P. ronnyi* Thony, 1996) has been described in *Panthea*. Anweiler (2009) mentioned five species of *Panthea* for the New World taking into account this data. However *ronnyi* was transferred to *Tambana* Moore, 1882 (Speidel & Kononenko 1998). In the course of our revision of the Old World Pantheinae, we found two undescribed species of *Panthea* from China and clarified the conspecificity of *P. roberti* Joannis 1928 with *P. hoenei* (Draudt, 1950).

The purpose of this article is to describe two new species of *Panthea*, to diagnose two little known species, and to establish a new synonymy for one name. The lectotypes for *Diphthera hoenei* and *Panthea roberti* are designated and published hereby. In addition we included in our review the little known related genus *Pantheana* Hreblay, 1998, which is closest to *Panthea*.

Pantheana yangzisherpana Hreblay, 1998

(Figs 23, 24, 27, 28, 36, 42)

Facetta, 16(2): 7. Type locality: E Nepal, Deorali Danda, Tseram, 3900 m. Holotype: male, coll. Hreblay, HNHM, Budapest.

Material examined. Holotype: NEPAL: male, Deorali Danda, Tseram, 3900 m, HNHM, Budapest. **Other material examined:** 1 male, 27°48'N 86°44'E, Sagarmatha National Park, Syanboche, 3800 m, 18.v.1996, Exp. A. Albrecht, O. Bistrom, K. Mikkola & A. Wikberg, coll. FMHN (former ZMHU); 1 male, 1 female, Nepal, Khumbu Khumdzung, 3900 m, 25.vi, 12.vii.1962. G. Ebert u. H. Falkner, Coll ZSM; female genitalia slide ZSM N 4153 GB (ZSM).

Diagnosis. Adult (Figs 23, 24, 27, 28). Wingspan 42–45 mm. *P. yangzisherpana* resembles *Panthea* species by habitus. Forewing background pale ash-grey with suffusion of blackish scales. Antemedial line waved, black, medial shadow distinct or diffused, black; postmedial line black outlined with whitish; subterminal line dentate, diffused, outlined with whitish suffusion; orbicular and reniform as black spot; subterminal field paler than medial; terminal line as row of black spots between veins; apex of wing with whitish subapical mark. Hindwing yellow in basal three fourth, whitish in terminal part, with black discal spot, black subterminal marks and line of black terminal spots. Male genitalia and female genitalia as described for the genus.

Distribution. Central Nepal. All known specimens were collected in *Picea-Betula* forest in June and mid July in upper part of forest belt at elevation 3800–3900 m.

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