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## A revision of the genus *Protarchanara* Beck, 1999 with description of a new genus and three new species (Lepidoptera, Noctuidae, Xyleninae)

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### Abstract

The genus *Protarchanara* Beck, 1999 is revised. The new genus *Hydredes* **gen. n.** (type species *Hydredes yakobsoni* **sp. n.**) is described. Three new species, *Hydredes yakobsoni* **sp. n.**, *H. shchetkini* **sp. n.** and *Protarchanara mythimnoida* **sp. n.** are described from Central Asia. Two species, *Arenostola delattini* Wiltshire, 1953 and *Hydraecia praecipua* Hacker & Nekrasov, 2001 are transferred to the genus *Hydredes* **gen. n.** *Protarchanara brevilinea impudica* (Staudinger, 1892) **stat. n.** is upgraded to subspecific level. Lectotypes for *Namangana contumax* Püngeler, 1902, *Sidemia (Luperina) johni* Püngeler, 1914 and *Nonagria impudica* Staudinger, 1892 are designated. The adults and male and female genitalia are illustrated.

**Key words:** Lepidoptera, Noctuidae, Xyleninae, Apameini, new genus, new species, new combination, *Protarchanara*, *Hydredes*, Caucasus, Central Asia

### Introduction

The genus *Protarchanara* was erected by Beck (1999) for the species *brevilinea* Fenn, 1864. Later Zilli *et al.* (2005) transferred the second species *abrupta* Eversmann, 1854 to *Protarchanara*. Both species had been assigned previously to *Photedes* Lederer, 1857. The species *praecipua* Hacker & Nekrasov, 2001 was described as *Hydraecia*, but its genitalia are strongly different from that of other *Hydraecia* species and much closer to that of *Protarchanara* species. For this reason, the species was transferred to *Protarchanara* by Poltavsky *et al.* (2009). However, our research suggests that this species belongs to another distinct genus close to *Protarchanara*. It is described below as new. In addition, during study of Asiatic Apameini, three new species of the *Protarchanara* genus-group were discovered. The taxon *impudica* Staudinger, 1892 previously treated as a synonym of *Protarchanara brevilinea* (Fenn, 1864) is upgraded here to subspecific level.

### Material and methods

The article is based on the institutional collections of Zoological Institute of the Russian Academy of Sciences (ZISP, Saint-Petersburg, Russia), Naturkunde Museum (NKMB, Berlin, Germany), Zoological Museum of the Institute of Systematics and Ecology of Animals Siberian Branch of RAS (SZMN, Novosibirsk, Russia), Zoological Museum of the Moscow State University (ZMMU, Moscow, Russia) and the private collections of Péter Gyulai (PGM, Miskolc, Hungary), Gábor Ronkay (GRB, Budapest, Hungary) and Anton Volynkin (AVB, Barnaul, Russia). All material was examined using standard dissection methods for preparation of male and female genitalia of Lepidoptera.

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