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A new *Perigrapha* Lederer, 1857 from South Kazakhstan (Lepidoptera, Noctuidae)

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Abstract

A new species of the genus *Perigrapha*, *P. yasawii* sp. n. is described from Syrdarya river valley, South Kazakhstan. The adults and male genitalia of the new and related species are illustrated.

Key words: Lepidoptera, Noctuidae, *Perigrapha*, new species, Central Asia, Kazakhstan

Introduction

Perigrapha Lederer, 1857 is a hadenine genus restricted to Holarctic Region. The genus contains three subgenera (*Opacographa* Hreblay, 1996, *Rororthosia* Beck, 1999 and *Perigrapha* Lederer, 1857) and includes about 30 described species in the Holarctic Region. The genus is close to *Anorthoa* Berio, 1980, *Harutaeographa* Yoshimoto, 1993 and also Nearctic *Stretchia* Edwards, 1874 (Ronkay *et al.* 2001; Kononenko 2003). The first comprehensive survey of the genus has been published by Hreblay (1996). Many species have recently been described from Asia (Hreblay & Kononenko 1995; Hreblay 1996; Ronkay *et al.* 2010; Saldaitis *et al.* 2012).

In the course of faunistical studies on Noctuidae of Kazakhstan, a series of an undescribed species of *Perigrapha* has been collected by authors in the Syrdarya river valley in South Kazakhstan. An additional specimen was found in the collection of Zoological Institute of the Russian Academy of Sciences. The species is described below as new. The specimens were examined using modern dissection standards for preparation of male and female genitalia of Lepidoptera. The depository of the types of the new species is stated in the paragraph "Type material".

Perigrapha (Perigrapha) yasawii Volynkin, Titov & Knyazev, sp. n.

(Figs 1–3, 11, 12)

Type material. Holotype: male, 14.iv.2014, S Kazakhstan, South Kazakhstan Region, 39 km WSW of Turkestan city, Syrdarya river valley, h=180 m, N43°10.006', E 67°50.389', at light. Volynkin A.V., Titov S.V. & Knyazev S.A. leg. Slide AV1242 Volynkin (Coll. Zoological Institute, Russian Academy of Sciences, St. Petersburg, Russia [ZISP]).

Paratypes: 26 males, with the same data as holotype (Colls A. Volynkin, Barnaul, Russia [AVB]; S. Knyazev, Omsk, Russia [SKO]; S. Titov, Pavlodar, Kazakhstan [STP]; ZISP); 1 male, Perovsk [S Kazakhstan, Kyzyl-Orda Region, vicinity of Kyzyl-Orda city], Syr-Darya reg., 2.iv.1909, E. Miller [leg.] (Coll. ZISP). Slides AV1230, AV1243 Volynkin (males).

indistinct, dark; cilia dark grey. **Female** unknown. **Male genitalia** (Figs 11, 12). Uncus short, almost quadrangular, apically slightly rounded; tegumen short, weak; penicular lobes weak, narrow; juxta long, almost quadrangular; vinculum short, V-shaped; valva long, relatively narrow; cuculli long, straight, narrow, without pollex-like extensions, asymmetrical; distal part of left cucullus longer, apically narrower than that of right cucullus; ampulla long, slender, moderately curved, apically pointed; clasper short, distally strongly broadened, harpe very short; aedeagus very long, curved; vesica long, twisted, with subconical medial diverticulum with very small field of weak and short spinules, and large terminal field of spinules on broad diverticulum.

Distribution and bionomics. The new species is known from two localities in South Kazakhstan. *P. yasawii* **sp. n.** inhabits dry shrubby river valleys (Fig. 15).

Etymology. The species name is dedicated to Khodja Ahmed Yasawi, a Turkic poet and Sufi, whose mausoleum is in Turkestan city, less than 40 km from the type locality.

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