

**Noctuid moths (Lepidoptera, Noctuidae) new and rare for the fauna  
of Zakarpacie, Ukraine**

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**ABSTRACT.** The study presents new localities for 11 rare species of noctuid moths in Ukraine. Those species were first reported from Ukrainian Zakarpacie. *Valeria oleagina* (DEN. et SCHIFF.) was then confirmed as the second locality in Ukraine after over 100 years. *Aedia leucomelas* (L.), *Chortodes extrema* (HBN.) or *Apamea syriaca* (OSTH.) were reported from the third locality in Ukraine.

**KEY WORDS:** Lepidoptera, Noctuidae, faunistics, new records, Ukraine, Zakarpacie.

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INTRODUCTION

The noctuid fauna of Ukraine, in spite of many years of research by numerous lepidopterologists, summed up by KLYUCHKO (2006) and KLYUCHKO et al. (2001), is still insufficiently known. To a large extent this concerns a clearly marked area of Ukraine, namely Zakarpacie. It should be highlighted that although the region constitutes a small part of Ukraine, as it has only 12,800 km<sup>2</sup> area, it has a strong impact on preserving the country's biodiversity. The region lies in the westernmost Ukraine, separated from the rest of the country with a natural border, namely Eastern Carpathian Mts., reaching 2,000 m. a.s.l.. To the west at the foot of the Carpathian Mts. is the Zakarpacie Plain connecting with the Pannonian Plain. Such a location in the middle of Europe results in a unique, very mild climate. Thanks to this some Pannonian and some Mediterranean species can be expected there.

The study presents new information on noctuid moths from Zakarpacie. The observations were conducted in south-western Zakarpacie near Vynohradiv on two sites. The first one is the southern slope of Chorna Hora, an ancient volcano, with Vynohradiv located at its foot, while the other is the southern end of the Yulivska Hora range near Dyula on Romanian border. Another site was in Dovhe near Khust. All the individuals were caught in light traps by the authors.

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#### SYSTEMATICS

##### *Catocala promissa* (DEN. et SCHIFF.)

Chorna Hora ad Vynohradiv 22 – 25 VI 2009, 17 exx.

Individuals of the species reported from all Ukraine from Crimea to the Carpathian Mts. (KLYUCHKO 2006). New for Zakarpacie.

##### *Aedia leucomelas* (L.)

Chorna Hora ad Vynohradiv 22 VI 2009, 3 exx., 23 VI 2009, 8 exx.

Rare species, so far known only from two localities in Ukraine. One locality in Crimea, the other in the vicinity of Beregovo, Zakarpacie (KLYUCHKO et al. 2004)

##### *Nycteola asiatica* (KRULIKOVSKY)

Chorna Hora ad Vynohradiv 23 VI 2009, 4 exx.

Locally reported from all eastern and central Ukraine (KLYUCHKO 2006). New for Zakarpacie

##### *Valeria oleagina* (DEN. et SCHIFF.)

Dovhe ad Khust 4 IV 2009, 1 ex.

Extremely rare species reported only from one locality near Lvov (GARBOWSKI 1892). It is the first confirmation of its occurrence in Ukraine after more than 100 years. New for Zakarpacie.

***Caradrina kadenii* (FR.)**

Chorna Hora ad Vynohradiv 23 VI 2009, 1 ex.

Local species, known from few localities mainly in eastern and central Ukraine (KLYUCHKO et al. 2001). New for Zakarpacie.

***Polyphaenis sericata* (ESP.)**

Chorna Hora ad Vynohradiv 22 VI 2009, 3 exx., 23 VI 2009, 5 exx., 26 VI 2009, 4 exx., Dyula 25 VI 2009, 3 exx.

The species known so far only from eastern Ukraine, Crimea and the vicinity of Odessa (KLYUCHKO et al. 2001, KLYUCHKO 2006). New for Zakarpacie.

***Apamea syriaca* (OSTH.)**

Chorna Hora ad Vynohradiv 22 VI 2009, 2 exx., 23 VI 2009, 3 exx., Dyula 25 VI 2009, 2 exx.

Local species, only recently reported as new for Ukraine. Known only from few localities in Crimea (KLYUCHKO 2006). New for Zakarpacie.

***Chortodes extrema* (HBN.)**

Chorna Hora ad Vynohradiv 23 VI 2009, 1 ex.

Very rare species, recently reported as new for Ukraine. Known only from Belgorod Dnestrovskiy near Odessa (KLYUCHKO et al. 2004a) and Desnjano-Starogytskiy National Park (KLYUCHKO et al. 2004). New for Zakarpacie

***Noctua comes* HBN.**

Chorna Hora ad Vynohradiv 22 VI 2009, 8 exx., 23 VI 2009, 5 exx., Dyula 25 VI 2009 2 ex.

Single specimens of this species reported from all Ukraine (KLYUCHKO 2006). From the Carpatians reported in Jaremche (KLYUCHKO & KULBERG, 2006). New for Zakarpacie.

***Epilecta linogrisea* (DEN. et SCHIFF.)**

Chorna Hora ad Vynohradiv 23 VI 2009, 1 ex.

Local species, occurring in few localities mainly in southern Ukraine: Crimea and the area of Ternopil and Rivne (KLYUCHKO et al. 2001). New for Zakarpacie.

***Chersotis multangula* (HBN.)**

Chorna Hora ad Vynohradiv 23 VI 2009, 1 ex.

Very rare species, so far known only from Crimea and the area of Ternopil (KLYUCHKO et al. 2001). New for Zakarpacie.

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