

# New Records of Carpenter-Moths from Southern Urals (Russia) (Lepidoptera: Cossidae)

R. V. Yakovlev

## Abstract

The article gives data on the species *Kotchevnik modestus* (Staudinger, 1887), new for the Russian fauna, and on the founding's new for Southern Urals: *Deserticossus volgensis* (Christoph, 1893), *Phragmataecia albida* Erschoff, 1874 and *Zeuzera pyrina* (Linnaeus, 1761).

KEY WORDS: Lepidoptera, Cossidae, fauna, new record, Ural, Russia.

## Nuevos registros de cóssidos del sur de los Urales (Rusia) (Lepidoptera: Cossidae)

## Resumen

El artículo da datos sobre la especie *Kotchevnik modestus* (Staudinger, 1887), nuevo para la fauna rusa y sobre los nuevos encontrados en el sur de los Montes Urales: *Deserticossus volgensis* (Christoph, 1893), *Phragmataecia albida* Erschoff, 1874 y *Zeuzera pyrina* (Linnaeus, 1761).

PALABRAS CLAVE: Lepidoptera, Cossidae, fauna, nuevos registros, Urales, Rusia.

## Introduction

The fauna of Carpenter-Moths (Cossidae) of Russia is studied quite well. The basic information is given in the author's papers (YAKOVLEV, 2007; SINEV, 2008). Additionally, two species of Cossidae from Dagestan Republic (Caucasus) and Tuva Republic (Southern Siberia) were described later (YAKOVLEV *et al.*, 2015a; SALDAITIS *et al.*, 2017). Thus, for the Russian fauna, 34 Cossidae species are currently registered, and the distribution of species by regions of the country has been relatively well studied. It also refers to the fauna of Southern Urals; a special paper (YAKOVLEV, 2005) describes the distribution of Cossidae in this region.

## Material and methods

The collection of material was performed in the Orenburg Province by A. Ukrainskiy and P. Gorbunov (Figs. 1-2). The material is deposited in the author's collection (Barnaul, Russia).

## Results

*Kotchevnik modestus* (Staudinger, 1887) (Figs. 3-4)

Material: 5 ♂♂, 1 ♀, Russia, Orenburg Province, 12 km W Novotroitsk, Guberlya river Valley, 51° 15'N / 58° 07'E, 25-VII-2017, leg. P. Gorbunov.

Distribution: Kazakhstan, Kyrgyzstan, Uzbekistan, NW China, Iran (YAKOVLEV, 2011), Russia (Orenburg Province). **New for Russia.**

*Deserticossus volgensis* (Christoph, 1893) (Figs. 5-6)

Material: 4 ♂♂, 1 ♀, Russia, Orenburg Province, 12 km W Novotroitsk, Guberlya river Valley, 51° 15'N / 58° 07'E, 25-VII-2017, leg. P. Gorbunov.

Distribution: NW Kazakhstan, Southern Volga Region, Northern Caucasus (Stavropol Province and Daghestan), Southern Urals (Orenburg Province) (YAKOVLEV, 2011). **New for Southern Urals.**

*Phragmataecia albida* Erschoff, 1874 (Fig. 7)

Material: 4 ♂♂, Russia, Orenburg Province, 12 km W Novotroitsk, Guberlya river Valley, 51° 15'N / 58° 07'E, 25-VII-2017, leg. P. Gorbunov.

Distribution: Iran, Turkmenistan, Uzbekistan, Kazakhstan, NW China, Afghanistan, Russia (S. Volga reg.) (YAKOVLEV, 2011; YAKOVLEV *et al.*, 2015b; YAKOVLEV & WITT, 2016). **New for Southern Urals.**

*Zeuzera pyrina* (Linnaeus, 1761) (Fig. 8)

Material: 4 ♂♂, Russia, Orenburg Province, 12 km W Novotroitsk, Guberlya river Valley, 51° 15'N / 58° 07'E, 25-VII-2017, leg. P. Gorbunov; 2 ♂♂, Russia, Orenburg Province, Buzuluk District, Opytnyi village, VII-2012, leg. A. S. Ukrainskiyi.

Distribution: Distribution: Europe including S. England, N. Africa (Egypt, Tunisia, Morocco, Algeria, Mauritania), Iran, Lebanon, Syria, Turkmenistan, Turkey, Caucasus, Transcaucasia, Southern Urals, N. America (Massachusetts, Connecticut, New York, New Jersey), Central Africa (Ghana) (YAKOVLEV, 2011).

This species was recorded for Bashkortostan and the Orenburg region without specifying exact localities (ANIKIN *et al.*, 2000, 2017). It was indicated that there was no new material for Southern Urals (YAKOVLEV, 2005). The present founding confirms the presence of the species in the Southern Urals and its distribution in the Asian part of Russia.

## Conclusion

Thus, the Russian fauna has been supplemented by one more Cossidae species- *Kotchevnik modestus* (Staudinger, 1887). It seems promising to study the southern border regions of Russia to clarify the species composition of the fauna.

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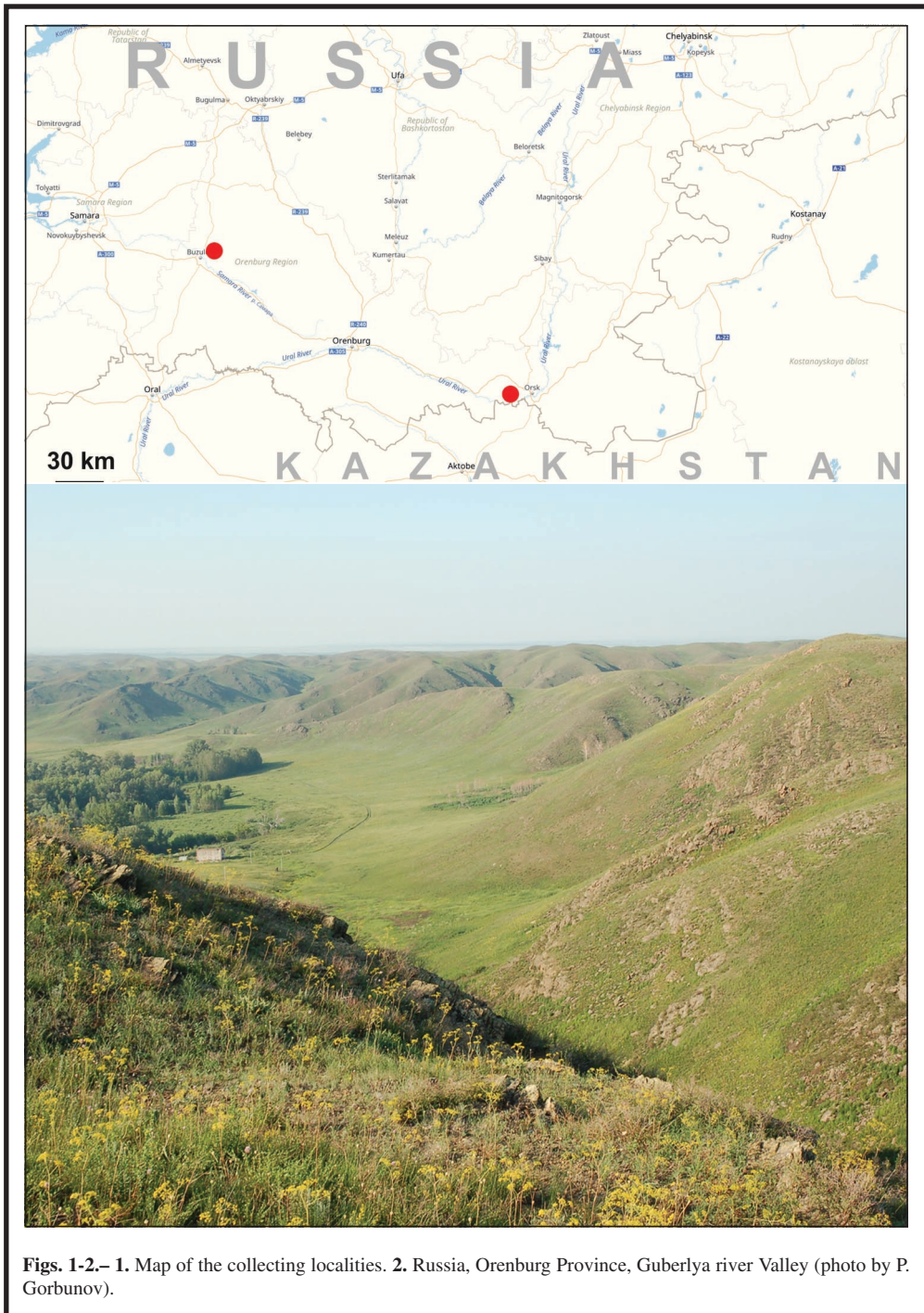
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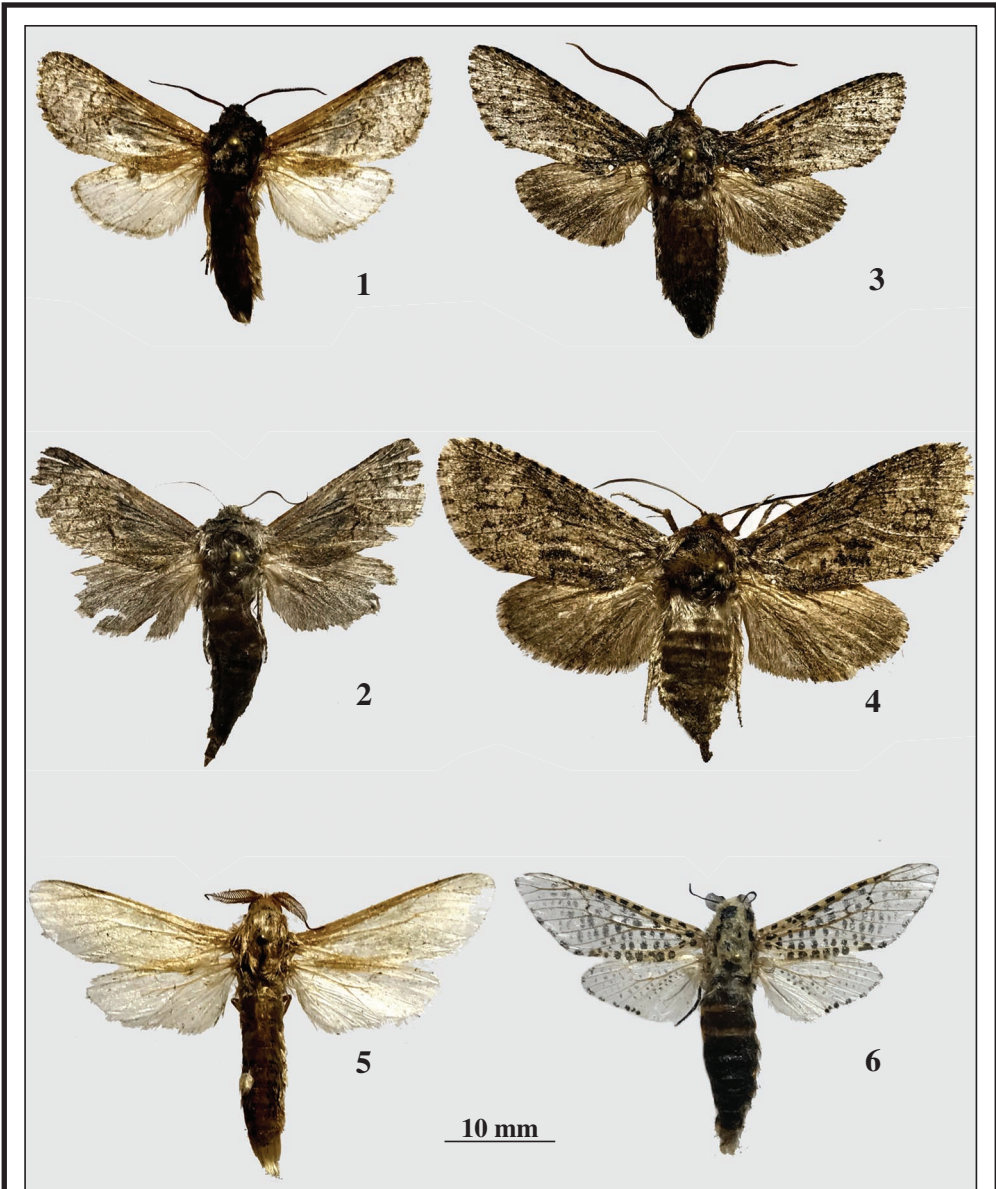
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**Figs. 1-2.**– 1. Map of the collecting localities. 2. Russia, Orenburg Province, Guberlya river Valley (photo by P. Gorbunov).



**Figs. 3-8.**— *Kotchevnik modestus* (Staudinger, 1887), ♂, Orenburg Province, Guberlya river Valley (coll. R. Yakovlev). **4.** *Kotchevnik modestus* (Staudinger, 1887), ♀, Orenburg Province, Guberlya river Valley (coll. R. Yakovlev). **5.** *Deserticossus volgensis* (Christoph, 1893), ♂, Orenburg Province, Guberlya river Valley (coll. R. Yakovlev). **6.** *Deserticossus volgensis* (Christoph, 1893), ♀, Orenburg Province, Guberlya river Valley (coll. R. Yakovlev). **7.** *Phragmataecia albida* Erschoff, 1874, ♂, Orenburg Province, Guberlya river Valley (coll. R. Yakovlev). **8.** *Zeuzera pyrina* (Linnaeus, 1761), ♂, Orenburg Province, Guberlya river Valley (coll. R. Yakovlev).