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hppt/ urn:lsid:zoobank.org:pub: 8C5419B4-0E2C-4E59-9F4A-0E0D0C70F3D5

V. K. Tuzov. A NEW SUBSPECIES OF *PHOENICURUSIA MARGELANICA* (STAUDINGER, 1881) (LEPIDOPTERA: LYCAENIDAE) FROM DARVAZ RANGE, TADJIKISTAN. – Far Eastern Entomologist. 2016. N 310: 11-15.

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Summary. *Phoenicurusia margelanica goshkoi* Tuzov, **subsp. n.** is described from Darvaz Range, the north-west Pamir Mountains (Republic of Tadjikistan). Holotype of a new subspecies is deposited in the State Darwin's Museum (Moscow).

Key words: Lepidoptera, Lycaenidae, *Phoenicurusia*, taxonomy, new subspecies, Tadjikistan.

В. К. Тузов. Новый подвид *Phoenicurusia margelanica* (Staudinger, 1881) (Lepidoptera: Lycaenidae) с Дарвазского хребта, Таджикистан // Дальневосточный энтомолог. 2016. N 310. С. 11-15.

Резюме. С Дарвазского хребта в Западном Памире (Республика Таджикистан) описан *Phoenicurusia margelanica goshkoi* Tuzov, **subsp. n.** Голотип нового подвида хранится в Дарвиновском музее в Москве.

Phoenicurusia margelanica (Staudinger, 1881) is widely distributed in the mountains of Central Asia. This species is divided in three subspecies (Zhdanko, 2000a). The nominotypical subspecies occur in the central part of area (Ghissar, Alai, West Tian-Shan, and West Pamirs ranges), *P. m. legezini* Zhdanko, 2000 distributed the southern part of area (South Ghissar: Babatag, Karatau, Teriklitau and Rangontau Mts), and *P. m. nigra* Zhdanko, 2000 known from the northern part of the area, viz. Kazakhstan (Zailiisky Alatau Mts) and Kirghizia (the mountains around Issyk-Kul Lake). A new subspecies of *P. margelanica* from Tadjikistan is described below. Holotype and part of paratypes of a new subspecies are deposited in the State Darwin's Museum (Moscow); other paratypes are kept in the collection of author and in the collection of Dmitrii Goshko.

TAXONOMY

Genus *Phoenicurusia* Verity, 1943

Type species: *Lycaena phoenicurus* (nec Lederer, 1870) = *Polymmatius margelanica* Staudinger, 1881, by original designation.

NOTES. The genus *Phoenicurusia* was described with *Lycaena phoenicurus* (Lederer, 1870) as a type species (Verity, 1943), but latter Nekrutenko (1983) clarified that a type species was wrongly identified by Verity and actually studied by him specimens belong to *Lycaena margelanica* (Staudinger, 1881). The genus *Phoenicurusia* was considered as subgenus of *Thersamonolycaena* (Zhdanko, 1993), but latter this author regards it as distinct genus (Zhdanko, 2000b, 2002); this point of view is supported by other entomologists (Lukhtanov & Lukhtanov, 1994; Bozano & Weidenhoffer, 2001).

***Phoenicurusia margelanica* (Staudinger, 1881)**

NOTES. This species was described as *Polymmatius* (sic!) *Dimorphus* var. *Margelanica* (Staudinger, 1881: 282) from “Margelan” as the type locality. The lectotype of *margelanica* was designated by Nekrutenko (1994) and deposited in the Zoologischen Museum der Humboldt-Universität, Berlin. The hand-written label of lectotype allows recognizing the type locality as the northern slopes of Alai Mts in vicinity of Osh City. The illustrations of lectotype of *margelanica* are given by Nekrutenko (1983) and Tshikolovets (2003). During long time *margelanica* was considered as a subspecies of *Polyommatus phoenicurus* Lederer, [1870] only (Alphéraky, 1881; Grum-Grshimailo, 1890), but later *margelanica* is placed to the genus *Lycaena* as distinct species (Nekrutenko, 1983). Recently *Phoenicurusia margelanica* is divided in three subspecies (Zdanko, 2000a). One new subspecies is described here.

***Phoenicurusia margelanica goshkoi* Tuzov, ssp. n.**

Figs 1–4

MATERIAL. Holotype: male, **Tadjikistan**: Darvaz, Hozratishoch Mts., Dashtidzhum loc., 1200m, 1.06.2011, D. Goshko leg. (Paratypes: 71 males, 31 females, the same data as holotype. Holotype and part of paratypes are deposited in the State Darwin's Museum (Moscow); other paratypes are kept in the collections of author and Dmitrii Goshko.

DESCRIPTION. MALE (Figs 1, 2). Span of wings in holotype 29 mm, paratypes – 28-30 mm. Upperside red-brown with purple-violet hue. Antemarginal band on both sides of the wings the well-expressed orange. Ground colour of underside fore wings grey, with clear rows of black markings. Colour of hind wings same as fore wings. Length of tails 2-3 mm.

FEMALE (Figs 3, 4). Span of wings – 27-31 mm. Upperside of fore wings with narrow yellow-orange submarginal band and yellowish grand colour near apical end. Black spots in postdiscal row are large. The main ground colour grey. Underside of fore wings grey, with large black markings. In upperside of hind wings the whole discal surface is grey, without yellow suffusion and black spots, only small orange lunules near apical angle are present. Underside of hind wings same as fore wings. Length of tails – 1,5-2 mm.

DIAGNOSIS. The size of males and females of new subspecies is the same as for other subspecies. Shape of fore wings more rounded than another subspecies. The male genitalia of a new subspecies are similar to nominative subspecies. The differences of a new subspecies from other known subspecies are given in the Table 1.

Table 1. Comparison of *Phoenicurusia margelanica* subspecies

Subspecies	Shape of FW	Upperside	Antemarginal band	Underside
<i>margelanica</i>	square	bright purple-violet	black	light grey
<i>legezini</i>	square	faint purple-violet	with orange lunules	light grey
<i>nigra</i>	square	bright purple-violet	black	dark grey
<i>goshkoi</i>	rounded	faint purple-violet	with orange lunules	grey

BIOLOGY. Rocky valley of rivers in the mountains about 1,000–2,000 m a.s.l. with the bush of *Atraphaxis*, a host plant of this subspecies.

ETYMOLOGY. Species named in honor of my friend and excellent collector – Dmitrii Goshko.



Fig. 1. *Phoenicurusia margelanica goshkoi* subsp. n., holotype ♂, dorsal view.



Fig. 2. *Phoenicurusia margelanica goshkoi* subsp. n., holotype ♂, ventral view.



Fig. 3. *Phoenicurusia margelanica goshkoi* subsp. n., paratype ♀, dorsal view.

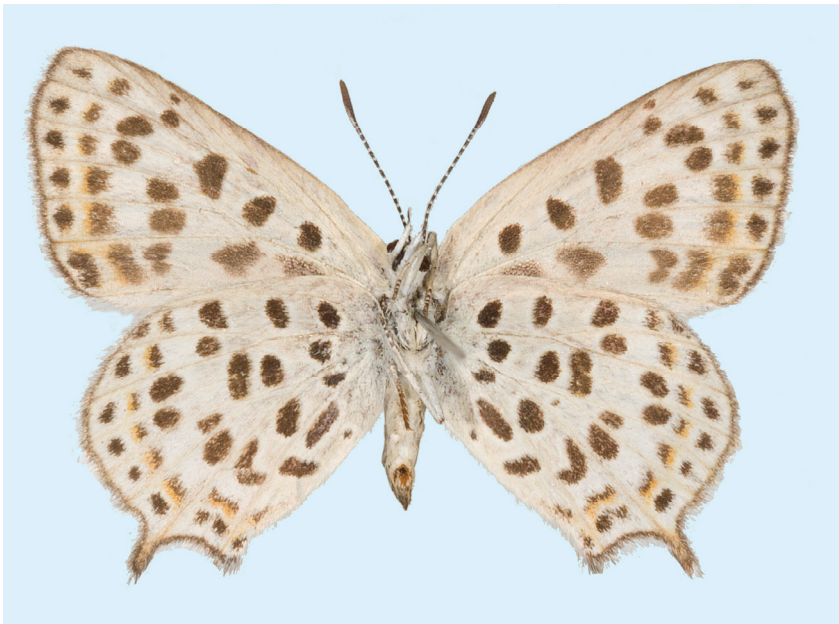


Fig. 4. *Phoenicurusia margelanica goshkoi* subsp. n., paratype ♀, ventral view.

ACKNOWLEDGEMENTS

My special thanks to Dr. O.G. Gorbunov (Moscow, Russia) for kind assistance and photos.

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