

Some centipedes and millipedes (Myriapoda) new to the fauna of Belarus

Некоторые губоногие и двупарноногие многоножки (Myriapoda), новые для фауны Беларуси

A.M. Ostrovsky
А.М. Островский

Gomel State Medical University, Lange str. 5, Gomel 246000, Republic of Belarus. E-mail: Arti301989@mail.ru
Гомельский государственный медицинский университет, ул. Ланге 5, Гомель 246000, Республика Беларусь

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КЛЮЧЕВЫЕ СЛОВА: *Geophilus flavus*, *Lithobius crassipes*, *Lithobius microps*, *Blaniulus guttulatus*, фаунистика, Беларусь

ABSTRACT. The first records of three species of centipedes and one species of millipede from Belarus are provided. All records are clearly synanthropic.

РЕЗЮМЕ. Приведены сведения о фаунистических находках трёх новых видов губоногих и одного вида двупарноногих многоножек в Беларуси. Все находки явно синантропные.

The myriapod fauna of Belarus is still poorly-known. According to various authors, 10–11 species of centipedes [Meleško, 1981; Maksimova, 2014; Ostrovsky, 2016, 2018] and 28–29 species of millipedes [Lokšina, 1964, 1969; Tarasevich, 1992; Maksimova, Khot'ko, 1997; Maksimova, 2002; Šinkevich, 2006] have hitherto been recorded from the country. The myriapods in Belarus have mainly been reported from natural or semi-natural habitats. New records of myriapods from anthropogenic habitats in the city of Minsk allow for the list to be enriched by four synanthropic species.

The new samples are kept in the author's private collection.

CLASS CHILOPODA
ORDER GEOPHILOMORPHA
Family GEOPHILIDAE

Geophilus flavus (De Geer, 1778)

MATERIAL EXAMINED. 2 ♀♀, Republic of Belarus, Minsk, Krasivyi lane, among household waste, 14.07.2019, leg. et det. A.M. Ostrovsky.

DISTRIBUTION. A widespread Euro-Siberian species distributed in the western Palaearctic, ranging from northwestern Africa through most of Europe to Siberia; also introduced to North America [Bonato et al., 2005; Nefediev et al., 2017]. The published synonymy of *Schizotaenia ornata* Folkmanová

et Dobroruka, 1960 under *G. flavus* by Bonato and Minelli [2014] implies that there may be some previous records of *G. flavus* from the former USSR, including Belarus, reported under the name of *G. proximus* C.L. Koch, 1847 [Zaleskaja et al., 1982]. The distribution of *G. flavus* in European Russia has been summarized by Volkova [2016].

ORDER LITHOBIOMORPHA
Family LITHOBIIDAE

Lithobius (Monotarsobius) crassipes C.L. Koch,
1862

MATERIAL EXAMINED. 1 ♀, Republic of Belarus, Minsk, Krasivyi lane, among household waste, 14.07.2019, leg. et det. A.M. Ostrovsky.

DISTRIBUTION. A western Palaearctic species widespread across Europe, ranging from the Canary Islands and northern Africa in the west, through the Near East, the Caucasus and European Russia, to western and central Siberia in the east; also introduced to Taiwan and the U.S.A. In the European part of Russia, it has been found in the Moscow, Ulyanovsk and Rostov-on-Don areas, the republics of Karelia, Adygea, Komi and Crimea, the Krasnodar, Perm and Stavropol provinces and the Nenets Autonomous Region in the Arkhangelsk Area (Vaygach Island), while in Asian Russia in the Krasnoyarsk Province (Vorogovo and Nizhne-Imbatsk), the Altai Province and the Tyumen Area [Lohmander, 1925; Palmén, 1948, 1988; Minoranskij, 1977; Zaleskaja, 1978; Wytwer, 1999; Farzalieva, 2008; Zapparoli, 2009, 2011; Sergeeva, 2013; Volkova, 2014; Zuev, 2016; Nefediev et al., 2016; Tuf et al., 2015; Sammet et al., 2018].

Lithobius (Sigibius) microps Meinert, 1868

MATERIAL EXAMINED. 1 ♀, Republic of Belarus, Minsk, Krasivyi lane, among household waste, 14.07.2019, leg. et det. A.M. Ostrovsky.

DISTRIBUTION. A western Palaearctic species widespread in Europe, ranging from Portugal, Ireland and Great Britain in the west to Poland, Ukraine, and Turkey in the east;

also introduced to North America (Canada, U.S.A.) and Australia (Tasmania) [Palmén, 1948, 1988; Stoev, 2000, 2001; Zapparoli, 2002; Andersson et al., 2005; Tuf et al., 2015; Bonato et al., 2016; Sammet et al., 2018].

CLASS DIPLOPODA

ORDER JULIDA

Family BLANIULIDAE

Blaniulus guttulatus (Fabricius, 1798)

MATERIAL EXAMINED. 9 ♂♂, 11 ♀♀, Republic of Belarus, Minsk, Krasivyi lane, among household waste, 14.07.2019, leg. et det. A.M. Ostrovsky.

DISTRIBUTION. A western Palaearctic species widespread across most of Europe, ranging from the Canary and Azores islands, Portugal, Iceland, Ireland and Great Britain in the west to Poland, Ukraine, and the central and northwestern parts of European Russia in the east; also introduced to Canada, U.S.A., St. Helena, Tristan da Cunha and Norfolk islands [Kime, Enghoff, 2017]. In the European part of Russia, it has been recorded from the Kaliningrad, Moscow and Leningrad areas, and the Perm Province [Lokšina, 1969; Atlavinytė, Lokšina, 1971; Zalesskaja et al., 1982; Andersson et al., 2008; Spuõis, 2010; Kime, Enghoff, 2017; Kozminykh, 2018].

The above four myriapod species are formally new to the fauna of Belarus. All of them have been found in the city of Minsk and all seem to be associated with synanthropic habitats. During my survey of the Minsk myriapod fauna, the following species have also been recorded: *Lithobius* (*L.*) *forficatus* (Linnaeus, 1758), *L. (Monotarsobius) curtipes* C.L. Koch, 1847, *Polydesmus denticulatus* C.L. Koch, 1847, *Proteroiulus fuscus* (Am Stein, 1857) and *Cylindroiulus caeruleocinctus* (Wood, 1864).

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