

New Psocoptera (Hexapoda, Insecta) records from Belarus

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Abstract. Six Psocoptera species (barkflies) from the genera *Lepinotus*, *Psyllipsocus* and *Liposcelis* were collected from Belarus. All of them are new country records. They were found in domestic situations and three of them also in ant nests.

Key words: Psocoptera, distribution, new records, ant nests.

Introduction

The Psocoptera fauna of Belarus is not well studied (Lienhard & Smithers 2002, Lienhard 2016). In this short note we report six species from this insect order as new records to the country. Three species of the apterous genus *Liposcelis* were not only found in domestic situations but also in ant nests. The psocid fauna of ant nests is in general poorly known (Lienhard 1998).

Material and Methods

The study was carried out between 29.05.2016 and 18.10.2019 in four localities of Belarus. The barkflies were collected by Artsiom Ostrovsky, using a sieve or by hand. They were preserved in 96% ethanol. After identification they were deposited in the collection of Dilian Georgiev, and some *Liposcelis* specimens from ant nests, identified by Charles Lienhard, also in the collection of the Natural History Museum of Geneva, Switzerland (MHNG). Species identifications are based on Lienhard (1998). As a supporting source, Saville (2008) was also used.

Results and Discussion

One species of the genus *Lepinotus*, one species of the genus *Psyllipsocus* and four species of the genus *Liposcelis* were identified. All these species can regularly be found in domestic situations and are widely distributed (Lienhard 1998). However, it is interesting that three *Liposcelis* species (*L. bostrychophila*, *L. corrodens*, *L. decolor*) have here also been found in nests of the ants *Formica rufa* or *F. pratensis*.

Trogiidae***Lepinotus inquilinus* Heyden, 1850**

Material examined: Belarus, Gomel area, Buda-Koshelevo district, Uvarovich village, in an old water tower, among garbage remains and dry bird feces, 52°36'18"N, 30°44'54"E, 131 a.s.l., 23.05.2019, 1♀.

Psyllipsocidae***Psyllipsocus ramburii* Selys-Longchamps, 1872**

Material examined: Belarus, Gomel city, Auerbaha Str., in dwelling, 52°25'49"N, 30°59'12"E, 139 a.s.l., 20.07.2019, 1♀; 08.10.2019, 1♀.

Liposcelididae***Liposcelis bostrychophila* Badonnel, 1931**

Material examined:

1. Belarus, Gomel city, Auerbaha Str., in entomological collection, 52°25'49"N, 30°59'12"E, 139 a.s.l., 28.09.2019, 6♀; 12 and 18.10.2019, 3♀.

2. Belarus, Gomel area, Buda-Koshelevo district, Uvarovich village, in an old water tower, among garbage remains and dry bird feces, 52°36'18"N, 30°44'54"E, 131 a.s.l., 23.05.2019, 2♀.

3. Belarus, Gomel area, Gomel district, roadside of the railway embankment East of the horticultural partnership "Lisichki", in the nest of *Formica pratensis* Retz., 52°22'41"N, 31°04'22"E, 128 a.s.l., 13.10.2019, 1♀ MHNG (det. C. Lienhard).

***Liposcelis corrodens* (Heymons, 1909)**

Material examined:

1. Belarus, Gomel city, Auerbaha Str., in entomological collection, 52°25'49"N, 30°59'12"E, 139 a.s.l., 12.12.2017, 20♀; 28.09.2019, 1♀.

2. Belarus, Gomel area, Buda-Koshelevo district, Uvarovich village, in an old water tower, among garbage remains and dry bird feces, 52°36'18"N, 30°44'54"E, 131 a.s.l., 23.05.2019, 3♀.

3. Belarus, Gomel area, Gomel district, pine forest between the horticultural partnership "Glushets" and Mikhal'ki village, in the nest of *Formica rufa* L., 52°14'34"N, 30°50'18"E, 132 a.s.l., 28.10.2018, numerous females and some males, some of them MHNG (det. C. Lienhard).

***Liposcelis decolor* (Pearman, 1925)**

Material examined:

1. Belarus, Gomel city, Auerbaha Str., in entomological collection, 52°25'49"N, 30°59'12"E, 139 a.s.l., 12 and 18.10.2019, 8♀.

2. Belarus, Gomel area, Gomel district, pine forest between the horticultural partnership "Glushets" and Mikhal'ki village, in the nest of *Formica rufa* L., 52°14'34"N, 30°50'18"E, 132 a.s.l., 28.10.2018, 3♀ MHNG (det. C. Lienhard).

***Liposcelis pearmani* Lienhard, 1990**

Material examined: Belarus, Gomel city, Auerbaha Str., in entomological collection, 52°25'49"N, 30°59'12"E, 139 a.s.l., 18.08.2017, 30♀; 10.10.2019, 120♀, 23♂ (Fig. 1).

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Fig. 1. General view of a female *Liposcelis pearmani* from Belarus (collected on 10.10.2019, Gomel city, Auerbaha Str., in entomological collection, 52°25'49"N, 30°59'12"E, 139 a.s.l.). Photo: D. Georgiev, light microscope, 10x.

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