

Some Psocoptera species (Hexapoda, Insecta) new to the fauna of Belarus

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Abstract. The first records of three Psocoptera species (barkflies) from the genera *Lepinotus* and *Liposcelis* from Belarus are provided. They were found in bird's, wasp's, ant's and marten's nests.

Key words: Psocoptera, faunistic records, Belarus.

Introduction

The Psocoptera fauna of Belarus is not well studied (Lienhard & Smithers 2002, Lienhard 2016, 2021). Previously, the authors published preliminary information on the fauna of Psocoptera of the Belarus (Georgiev *et al.* 2020, Ostrovsky & Georgiev 2020). The present study aims to contribute new data to the Psocoptera fauna of the country.

Material and Methods

The study was carried out between 02.05.2020 and 08.11.2020 on the territory of Bragin, Buda-Koshelevo and Gomel districts of Gomel Region. The barkflies were collected by the first author, using a sieve or by hand. They were preserved in 96% ethanol. After identification they were deposited in the collections of the second author. Species identifications are based on Lienhard (1998).

Results and Discussion

One species of the genus *Lepinotus* and two species of the genus *Liposcelis* were identified as new country records.

Trogiidae

Lepinotus reticulatus Enderlein, 1904

Material examined:

1. Belarus, Gomel area, Gomel district, meadow south of the village of Zalyad'e, in the nest of *Formica pratensis* Retzius, 1783, 52°25'20"N, 31°10'48"E, 117 a.s.l., 06.09.2020, 2♀.

2. Belarus, Gomel area, Gomel district, pine forest west of the village of Starye Dyatlovichi, in the nest of *Formica polyctena* Förster, 1850, 52°13'50"N, 30°50'58"E, 132 a.s.l., 20.09.2020, 1 nymph.

3. Belarus, Gomel area, Gomel district, village of Starye Dyatlovichi, sparse pine forest, in the nest of *Formica rufa* Linnaeus, 1761, 52°13'48"N, 30°51'30"E, 125 a.s.l., 20.09.2020, many ♀♀ and nymphs.

4. Belarus, Gomel area, Gomel district, the edge of the power line clearing in the pine forest west of the village of Starye Dyatlovichi, in the nest of *Formica rufa*, 52°13'50"N, 30°51'02"E, 132 a.s.l., 20.09.2020, 1♀.

5. Belarus, Gomel area, Bragin district, village of Gden', in an abandoned bird's nest inside an old pear tree, 51°20'37"N, 30°26'39"E, 105 a.s.l., 29.07.2020, 1♀, 4 nymphs.

6. Belarus, Gomel area, Bragin district, village of Gden', in an abandoned swallow's nest inside an abandoned house, 51°19'58"N, 30°27'18"E, 106 a.s.l., 27.07.2020, 1♀; 28.07.2020, 5♀.

7. Belarus, Gomel area, Bragin district, village of Gden', in an abandoned bird's nest inside an abandoned house, 51°20'29"N, 30°26'15"E, 105 a.s.l., 27.07.2020, 1♀.

8. Belarus, Gomel area, Bragin district, village of Gden', in swallow droppings on the floor inside an abandoned house, 51°20'04"N, 30°27'12"E, 103 a.s.l., 28.07.2020, 1♀.

9. Belarus, Gomel area, Bragin district, village of Nizhnie Zhary, in an abandoned nest of *Garrulus glandarius* (Linnaeus, 1758) under the roof of an abandoned house, 51°17'50"N, 30°33'47"E, 104 a.s.l., 23.07.2020, 1♀.

10. Belarus, Gomel area, Bragin district, village of Nizhnie Zhary, in marten's (*Martes* sp.) nest in an old bee-tree, 51°17'51"N, 30°33'25"E, 106 a.s.l., 23.07.2020, 1♀.

11. Belarus, Gomel area, Bragin district, Zhary forestry, a mixed forest between the village of Nizhnie Zhary and the village of Gden', in an abandoned bird's nest inside an abandoned gazebo, 51°20'15"N, 30°30'20"E, 112 a.s.l., 25.07.2020, 1♀.

12. Belarus, Gomel area, Bragin district, village of Verkhnie Zhary, in an abandoned nest of *Vespa crabro* Linnaeus, 1758 in the attic of an abandoned house, 51°20'51"N, 30°35'13"E, 104 a.s.l., 20.07.2020, 1♀.

13. Belarus, Gomel area, Gomel district, eastern of the village of Starye Dyatlovichi, in an abandoned nest of *Vespa crabro* inside a brick building of a stationary oil localization and collection line in case of emergencies at underwater crossings of the main oil pipeline "Unecha – Mozyr'" across the Sozh River, 52°13'55"N, 30°53'25"E, 113 a.s.l., 20.09.2020, many ♀♀.

Liposcelididae

***Liposcelis silvarum* (Kolbe, 1888)**

Material examined: Belarus, Gomel area, Buda-Koshelevo district, the edge of the pine forest southeast of the village of Yaslishche, in a nest of *Formica aquilonia* Yarrow, 1955, 52°32'58"N, 30°24'39"E, 148 a.s.l., 08.11.2020, 7♀.

***Liposcelis formicaria* (Hagen, 1865)**

Material examined:

1. Belarus, Gomel area, Gomel district, mixed forest west of the Gomel city, Makeevka forestry, in the nest of *Formica rufa*, 52°24'10"N, 30°53'26"E, 140 a.s.l., 02.05.2020, 7♀.

2. Belarus, Gomel area, Buda-Koshelevo district, pine forest southwest of the village of Rudnya-Ol'khovka, in the nest of *Formica rufa*, 52°32'54"N, 30°22'35"E, 140 a.s.l., 08.11.2020, 1♂.

3. Belarus, Gomel area, Gomel district, pine forest west of the village of Starye Dyatlovichi, in the nest of *Formica polyctena*, 52°13'50"N, 30°50'58"E, 132 a.s.l., 20.09.2020, 4♀.

4. Belarus, Gomel area, Buda-Koshelevo district, pine forest north of the village of †Yaslishche, in the nest of *Formica rufa*, 52°33'33"N, 30°23'54"E, 143 a.s.l., 08.11.2020, 15♀ (Fig. 1).

5. Belarus, Gomel area, Buda-Koshelevo district, pine forest south of the village of Rudnya-Ol'khovka, in the nest of *Formica rufa*, 52°32'43"N, 30°23'02"E, 144 a.s.l., 08.11.2020, many ♀♀ and ♂♂.

6. Belarus, Gomel area, Gomel district, the edge of the power line clearing in the pine forest west of the village of Starye Dyatlovichi, in the nest of *Formica rufa*, 52°13'50"N, 30°51'02"E, 132 a.s.l., 20.09.2020, 1♀.

7. Belarus, Gomel area, Buda-Koshelevo district, pine forest southeast of the village of Yaslishche, in the mixed nest of *Formica rufa/polyctena*, 52°32'55"N, 30°24'53"E, 155 a.s.l., 08.11.2020, many ♀♀ and ♂♂.

8. Belarus, Gomel area, Bragin district, village of Nizhnie Zhary, in an abandoned nest of *Garrulus glandarius* under the roof of an abandoned house, 51°17'50"N, 30°33'47"E, 104 a.s.l., 23.07.2020, 3♀.



Fig. 1. General view of a female *Liposcelis formicaria* from Belarus (collected on 08.11.2020, Gomel area, Buda-Koshelevo district, pine forest north of the village of Yaslishche, in the nest of *Formica rufa*, 52°33'33"N, 30°23'54"E, 143 a.s.l.). Photo: D. Georgiev, light microscope, 10x.

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