


# Two species of Psocoptera (Insecta) as new records to the Bulgarian fauna with a country checklist

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**Abstract:** Two species of Psocoptera (Insecta) are reported as new to the Bulgarian fauna: *Philotarsus parviceps* (Philotarsidae) and *Loensia fasciata* (Psocidae). After this publication, the list of known barkfly species in the country contains a total of 67 species. A checklist is provided with references to the original records.

**Keywords:** Balkans, barkflies, distribution

## Introduction

The insects from the order Psocoptera are very poorly studied in Bulgaria. Till the author began working on barkflies, only 29 species had been registered in the country (Popov 1939, 1961, Drensky, 1953, Lienhard 1998, Giese, 1964, Grigorov, 1975, Meinander, 1978, Lienhard & Smithers, 2002, Tomov & Trencheva, 2013, Sziráki 2013). Recently, the list was extended to 65 known species, most of which were summarised by Lienhard (2020). In this short communication, I report two more species as new records to the Bulgarian barkfly fauna.

## Material and methods

Barkflies were collected by beating the vegetation in June and August 2020 by the author. Specimens were then stored in ethanol and after processing, deposited in the collection of the author. Species identifications and taxonomy follow Lienhard (1998).

## Results

### Philotarsidae

*Philotarsus parviceps* Roesler, 1954

Material examined: 6.8.2020, Rila Mountains, Borovets Resort, pine forest dominated by *Picea abies*, *Abies alba* and *Pinus peuce*, from dry branches of pine trees with a lot of lichens, 5 ♀♀, collected by beating the vegetation (Fig. 1b).

### Psocidae

*Loensia fasciata* (Fabricius, 1787)

Material examined: 6.6.2020, Stara Planina Mountains, Uzana Area, west of Gabrovo Town, at the border of a meadow and a plantation of *Picea abies*, from dry branches with a lot of lichens of unidentified dead deciduous tree, 2 ♀♀, collected by beating the vegetation (Fig. 1a).



Fig. 1. (a) Female of *Loensia fasciata* (Fabricius, 1787) from Stara Planina Mts, Uzana Area; (b) female of *Philotarsus parviceps* Roesler, 1954 from Rila Mts, Borovets Resort.

Check list of the species of Psocoptera known in Bulgaria till 2020 (total of 67) with references to the original records:

#### Trogiidae

- *Cerobasis guestfalica* (Kolbe, 1880): Georgiev (2017b, 2018b), Georgiev & Todorov (2018)
- *Lepinotus reticulatus* Enderlein, 1905: Georgiev (2016a, 2020), Georgiev & Ivanova (2018), Georgiev & Todorov (2018)
- *Lepinotus inquilinus* Heyden, 1850: Georgiev (2017b)

- *Trogium pulsatorium* (Linnaeus, 1758): Popov (1948, 1961), Drensky (1953), Giese (1964), Obretenchev et al. (1993, 1997)

#### Psyllipsocidae

- *Dorypteryx domestica* (Smithers, 1958): Georgiev (2018b)
- *Psyllipsocus ramburii* Selys-Longchamps, 1872: Georgiev (2016b, 2018b, 2020), Georgiev & Ivanova (2018)

Prionoglarididae

- *Prionoglaris stygia* Enderlein, 1909: Georgiev & Ivanova (2018), Georgiev (2019)

Liposcelididae

- *Liposcelis bostrychophila* Badonnel, 1931: Georgiev (2017b, 2018b, 2020)
- *Liposcelis corrodens* (Heymons, 1909): Popov (1939, 1961), Drensky (1940), Georgiev (2017d, 2020)
- *Liposcelis decolor* (Pearman, 1925): Drensky, (1940, 1953), Popov (1948), Giese (1964), Grigorov (1975), Georgiev (2017d, 2018b, 2020), Georgiev & Todorov (2018)
- *Liposcelis formicaria* (Hagen, 1865): Giese (1964), Georgiev (2017b)
- *Liposcelis meridionalis* (Rosen, 1911): Georgiev (2017c)
- *Liposcelis pearmani* Lienhard, 1990: Georgiev (2017a, 2020), Georgiev & Todorov (2018)
- *Liposcelis priesneri* Enderlein, 1925: Georgiev (2017a)
- *Liposcelis rufa* Broadhead, 1950: Georgiev (2017b)
- *Liposcelis silvarum* (Kolbe, 1888): Drensky (1953), Giese (1964), Georgiev (2017a, 2019)

Epipsocidae

- *Bertkauia lucifuga* (Rambur, 1842): Lienhard (1998), Georgiev (2017b, 2019, 2020)

Caeciliusidae

- *Enderleinella obsoleta* (Stephens, 1836): Giese (1964)
- *Caecilius fuscopterus* (Latreille, 1799): Georgiev & Todorov (2017), Georgiev (2019)
- *Valenzuela burmeisteri* (Brauer, 1876): Giese (1964), Sziraki (2013), Georgiev & Todorov (2018)
- *Valenzuela despaxi* (Badonnel, 1936): Giese (1964), Sziraki (2013)
- *Valenzuela flavidus* (Stephens, 1836): Giese (1964), Sziraki (2013), Georgiev (2019, 2020), Georgiev & Todorov (2018), Georgiev & Ivanova (2019)
- *Valenzuela piceus* (Kolbe, 1882): Drensky (1953), Sziraki (2013), Georgiev & Todorov (2018), Georgiev (2020)

Stenopsocidae

- *Graphopsocus cruciatus* (Linnaeus, 1768): Drensky (1953), Giese (1964), Georgiev & Todorov (2018), Georgiev (2019, 2020), Georgiev & Ivanova (2019)
- *Stenopsocus immaculatus* (Stephens, 1836): Sziraki (2013), Georgiev (2017b)
- *Stenopsocus lachlani* Kolbe 1880: Giese (1964), Sziraki (2013)

Amphipsocidae

- *Kolbia quisquiliarum* Bertkau, 1882: Georgiev (2018a)

Lachesillidae

- *Lachesilla pedicularia* (Linnaeus, 1758): Drensky (1953), Giese (1964), Grigorov (1975), Georgiev & Todorov (2018), Georgiev (2019, 2020)
- *Lachesilla bernardi* Badonnel, 1938: Georgiev (2018a, 2020)
- *Lachesilla quercus* (Kolbe, 1880): Georgiev & Todorov (2017), Georgiev (2020)

Ectopsocidae

- *Ectopsocus briggsi* McLachlan, 1899: Georgiev (2017b, 2020), Georgiev & Ivanova (2019)
- *Ectopsocus meridionalis* Ribaga, 1904: Georgiev (2017b, 2020), Georgiev & Ivanova (2019)
- *Ectopsocus petersi* Smithers, 1978: Georgiev (2020)
- *Ectopsocus vachoni* Badonnel, 1945: Georgiev (2017a)

Peripsocidae

- *Peripsocus alboguttatus* (Dalman, 1823): Sziraki (2013), Georgiev (2019, 2020)
- *Peripsocus didymus* Roesler, 1939: Georgiev (2017b), Georgiev & Todorov (2018)
- *Peripsocus phaeopterus* (Stephens, 1836): Popov (1948), Sziraki (2013), Georgiev & Todorov (2018), Georgiev (2020)
- *Peripsocus subfasciatus* (Rambur, 1842): Sziraki (2013)

Trichopsocidae

- *Trichopsocus daliü* (McLachlan, 1867): Georgiev (2017b)

**Pseudocaeciliidae**

- *Trimerocaecilius* cf. *becheti* Meinander, 1978: Georgiev & Todorov (2018)
- *Trimerocaecilius popovi* Meinander, 1978: Meinander (1978), Georgiev (2017b)

**Philotarsidae**

- *Aaroniella badonneli* (Danks, 1950): Georgiev & Todorov (2018)
- *Philotarsus parviceps* Roesler, 1954: present publication
- *Philotarsus picicornis* (Fabricius, 1793): Giese (1964), Sziraki (2013)

**Elipsocidae**

- *Cuneopalpus cyanops* (Rostock, 1876): Georgiev (2017a, 2019, 2020), Georgiev & Todorov (2018)
- *Elipsocus abdominalis* Reuter, 1904: Georgiev (2018a)
- *Elipsocus annulatus* Roesler, 1954: Georgiev (2018a)
- *Elipsocus hyalinus* (Stephens, 1836): Georgiev & Todorov (2018)
- *Elipsocus moebiusi* Tetens, 1891: Georgiev (2017a, 2019, 2020)
- *Elipsocus pumilis* (Hagen, 1861): Giese (1964), Georgiev (2020)
- *Hemineura dispar* Tetens, 1891: Giese (1964), Sziraki (2013), Georgiev (2020) – reported as “species complex”

**Mesopsocidae**

- *Mesopsocus immunis* (Stephens, 1836): Georgiev (2017a)
- *Mesopsocus unipunctatus* (Müller, 1764): Giese (1964), Georgiev (2020)

**Psocidae**

- *Amphigerontia contaminata* (Stephens, 1836): Georgiev (2017b, 2020)
- *Blaste conspurcata* (Rambur, 1842): Georgiev (2017b, 2020), Georgiev & Todorov (2018)
- *Loensia fasciata* (Fabricius, 1787): present publication
- *Loensia pearmani* Kimmins, 1941: Giese (1964)
- *Loensia variegata* (Latreille, 1799): Georgiev & Todorov (2018)
- *Metylophorus nebulosus* (Stephens, 1836): Giese (1964), Georgiev (2017b, 2020)

- *Neopsocus rhenanus* Kolbe, 1882: Lienhard (1998), Sziraki (2013), Georgiev (2020)
- *Oreopsocus montanus* (Kolbe, 1884): Giese (1964), Georgiev (2019)
- *Psococerastis gibbosa* (Sulzer, 1776): Giese (1964), Georgiev (2017b)
- *Psocus bipunctatus* (Linnaeus, 1761): Georgiev (2017b)
- *Trichadenotecnum innuptum* Betz, 1983: Georgiev (2017b)
- *Trichadenotecnum majus* (Kolbe, 1880): Georgiev (2017b)
- *Trichadenotecnum sexpunctatum* (Linnaeus, 1758): Giese (1964)

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