Short note

Psocoptera Records from Caves of Bulgaria

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Abstract. We give the results of a survey of six caves in various regions of Bulgaria, reporting three troglophilous Psocoptera species. All barkly finds are new records to these caves: Lepinotus reticulatus (East Rhodopes Mts., Dupkata Cave), Prionoglaris cf. stygia, only nymphs: (Stara Planina Mts., Kilyikite Cave; East Rhodopes Mts., Dupkata Cave, small cave near the road just above the Gouk In Cave, Gouk In Cave; West Rhodopes Mts., Kaleto Cave), Psyllipsocus ramburii (East Rhodopes Mts., small cave near the road just above the Gouk In Cave; North Black Sea Coast, near Bolata Beach, cave № 53(212)).

Key words: troglophiles, subterranean, insects.

Introduction

The insects from the order Psocoptera are poorly known from the Bulgarian caves. Representatives of the family Psyllipsocidae were firstly supposed to inhabit some of the caves in the country by BERON (2015) and later the species Psyllipsocus ramburii Selys-Longchamps, 1872 was found in the Andaka Cave (GEORGIEV, 2016). After this report, Georgiev (2018 – in press) published the first locality of Prionoglaris nymphs in Svinskata Dupka Cave, near Lakathik.

In this short note we represent the results of our survey of six caves in various regions of Bulgaria, reporting three troglophilous Psocoptera species. All barkly finds are new records to these caves.

Material and Methods

Specimens were collected by both authors, by hand using a brush, or by sieving. Then they were killed with diethyl-ether in small plastic vials, and after preserved in ethanol and glycerin. The species were determined using the monograph published by LIENHARD (1998). For the authorities of the family-group names we follow LIENHARD & YOSHIZAWA (2018). The material was deposited in the collection of the first author.

Results

Family Trogiidae Enderlein, 1911

Lepinotus reticulatus Enderlein, 1905

Material examined: 2 ♀, 14.04.2017, East Rhodopes Mts., South of village of Svirachi, Dupkata Cave, on the cave floor, among leaf detritus of Quercus sp., collected by sieving, N41 28 15.0 E26 07 02.4, 226 m a.s.l.

Family Prionoglarididae Karny, 1930

Prionoglaris cf. stygia Enderlein, 1909

Material examined: 5 nymphs, 02.04.2017, Stara Planina Mts., near village of Stanchev Han, Kilyikite Cave, on the cave wall near the entrance, collected by hand and a brush, N42 48 09.6 E25 34 43.4, 555 m a.s.l.; 1 nymph,
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14.04.2017, East Rhodopes Mts., South of village of Svirachi, Dupkata Cave, on the cave floor, under a stone, collected by hand and a brush, N41 28 15.0 E26 07 02.4, 226 m a.s.l.; 1 nymph, 15.04.2017, East Rhodopes Mts., North of village of Oreshari, small cave near the road just above the Gouk In Cave, on the cave wall near the entrance, collected by hand and a brush, N41 36 28.2 E25 43 04.2, 213 m a.s.l.; 2 nymphs, 15.04.2017, East Rhodopes Mts., North of village of Oreshari, Gouk In Cave, on the cave wall near the entrance, collected by hand and a brush, N41 36 21.4 E25 43 05.6, 212 m a.s.l.; 7 nymphs, 13.05.2017, Stara Planina Mts., near village of Stanchov Han, Mecha Dupka Cave, on the cave wall (only observed); 10 nymphs, 20.05.2017, West Rhodopes Mts., near village of Koshnitsa, Kaleto Cave, on the cave wall and under stones, collected by hand and a brush, N41 30 34.2 E24 41 13.9, 936 m a.s.l.

References

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