NEW FAUNISTIC RECORDS OF KEROPLATIDAE AND MYCETOPHILIDAE (DIPTERA) FROM UKRAINE

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Kolcsár, L.-P. & Salmela, J. New faunistic records of Keroplatidae and Mycetophilidae (Diptera) from Ukraine. Summary. A list of five species of fungus gnats (Keroplatidae, Mycetophilidae) collected in Ukrainian Carpathians in July 2014 including *Isoneuromyia semirufa* (Meigen, 1818) и *Mycomya* (*Mycomya*) *alpina* Matile, 1972 recorded from Ukraine for the first time.

Key words: Diptera, Keroplatidae, Mycetophilidae, Ukraine, Carpathians, fauna.

Колчар, Л.-П. і Салмела, Ю. Нові фауністичні знахідки Keroplatidae та Mycetophilidae (Diptera) з України. Резюме. Список пяти видів грибних комариків (Keroplatidae, Mycetophilidae), зібраних в Українських Карпатах у липні 2014 р., що включає *Isoneuromyia semirufa* (Meigen, 1818) та *Mycomya* (*Mycomya*) *alpina* Matile, 1972, вперше зареєстровані з України.

Ключові слова: Diptera, Keroplatidae, Mycetophilidae, Україна, Карпати, фауна.

Колчар, Л.-П. и Салмела, Ю. Новые фаунистические находки Keroplatidae и Mycetophilidae (Diptera) из Украины. Резюме. Список пяти видов грибных комариков (Keroplatidae, Mycetophilidae), собранных в Украинских Карпатах в июле 2014 р., включая *Isoneuromyia semirufa* (Meigen, 1818) и *Mycomya* (*Mycomya*) *alpina* Matile, 1972, впервые отмеченных в Украине.

Ключевые слова: Diptera, Keroplatidae, Mycetophilidae, Украина, Карпаты, фауна.

Ukrainian Sciaroidea (except Sciaridae) fauna is very poorly studied. Only a few publication containing faunistic data from the country is available (Bukowski, 1949, Zaitzev, 1994, 1999, 2003) and no national checklist has been published.

According to Fauna Europaea database (Chandler, 2005) 71 Sciaroidea (except Sciaridae) species have been already recorded from Ukraine.

During a short collection trip in Ukrainian Carpathians a total of five fungus gnat species collected by L.-P. Kolcsár and identified by J. Salmela were observed, from which two species are reported for the first time from the Ukraine.

All the material is stored in 96% ethanol and is deposited in the Natural History Collection of the Regional Museum of Lapland, Rovaniemi, Finland (LMM). All collection data are avaible on the TransDiptera Online Database (www.transdiptera.ro).

Isoneuromyia semirufa (Meigen, 1818)

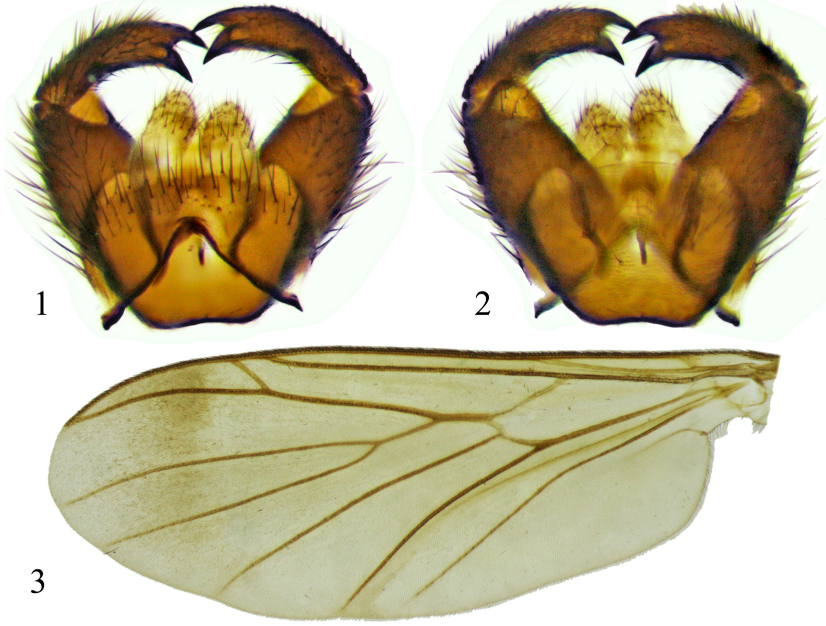
Material examined: Ukraine: Vorokhta, Verkhovyna-Putyla Mountains, springs in spruce forest, 1150 m, 48.2563° N 24.5786° E, 30.07.2014, 1♂ (L.-P. Kolcsár), DIPT-JS-2015-0006.

Widely distributed species in Europe (Chandler 2005) (Figs 1–3). This is the **first record from Ukraine**. The species is frequently collected around springs, rich fens and headwater streams with luxuriant vegetation (Jakovlev et al. 2014).

Symmerus annulatus (Meigen, 1830)

Material examined: Ukraine: Vil'shany, Uholsko-Shyrokoluzhansky Reserve Massif, small brook in beech forest, 900 m, N 48.3725° E 23.6181°, 25.07.2014, 1♂, (L.-P. Kolcsár), DIPT-JS-2016-0233.

Palearctic species, reported from most of the European countries (Chandler 2005). From Ukraine the species



Figs 1–3. *Isoneuromyia semirufa*: 1 — hypopygium (dorsal view); 2 — hypopygium (ventral view); 3 — wing.

reported by Zaitzev (1994). Larvae have been found in rotten wood of deciduous trees (Jakovlev et al. 2014).

Pseudobrachypeza helvetica (Walker, 1856)

Material examined: Ukraine: Vil'shany, Uholsko-Shyrokoluzhansky Reserve Massif, small brook, 900 m, N 48.3725° E 23.6181°, 25.07.2014, 1♂ (L.-P. Kolcsár), DIPT-JS-2016-0237.

A widely distributed species, which is usually associated with deciduous forests (Ševčík 2001). From Ukraine reported by Zaitzev (2003).

Mycomya (*Mycomya*) *alpina* Matile, 1972

Material examined: Ukraine: Bukovel, Gorgany Mountains, springs in spruce forest, 1122 m, N 48.3917° E 24.4225°, 29.07.2014, 1 ♂ (L.-P. Kolcsár), DIPT-JS-2016-0238.

Rare, disjunct distributed Palaearctic species. In Europe it is reported from Central European Alps (Väisänen 1984; Chandler 2005). The species is also recently noted from the Romanian Carpathians (Kolcsar&Salmela, submitted ms). The species is here reported for the **first time from Ukraine**.

Mycomya (*Mycomyopsis*) *trilineata* (Zetterstedt, 1838)

Material examined: Ukraine: Vil'shany, Uholsko-Shyrokoluzhansky Reserve Massif, small brook, 900 m, N 48.3725° E 23.6181°, 25.07.2014, 1♂ (L.-P. Kolcsár), DIPT-JS-2016-0236.

A widespread Palaearctic species that has already been reported by Zaitzev (2003) from Ukraine. Larvae are mycophagous (Väisänen 1984; Jakovlev 2011).

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