

New data to the caddisfly (Insecta: Trichoptera) fauna of the Velencei Mountains (Transdanubian Central Mountains, Hungary)

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ABSTRACT: Trichoptera were collected by light trap operated at Sukoró in 1995 by the Plant Health and Soil Conservation Station of Country Fejér. Based on this data set, 14 caddisfly species are new to Velencei Mountains and the Trichoptera fauna of the studied area runs to 26 species. The updated list of species of the Velencei Mountains is given.

Introduction

The first data on the caddisfly fauna of the Velencei Mountains comes from NÓGRÁDI (1989) based on the collection originating from the Carpathian Basin in the Hungarian Natural History Museum. Further data is given by NÓGRÁDI (1995) too, based on the Ujhelyi's Trichoptera collection in the Hungarian Natural History Museum. Regarding the collection material of the two collections, the number of the caddisfly species published on the Velencei Mountains was 12. In this study, new caddisfly species is given to the Trichoptera fauna of the Velencei Mountains.

Materials and Methods

Trichoptera were collected by light trap operated at Sukoró in 1995 by the Plant Health and Soil Conservation Station of Country Fejér. The light trap with a 100 W-normal white light bulb, positioned 2 m above ground level, operated from April to the end of November in 1995.

Results and Discussion

Altogether 2.461 individuals of 19 species were collected, 68.9 % of the catch belongs to *Hydropsyche* sp. indet. female (the identification of *Hydropsyche* females is not possible today), 21.7 % to the species *Hydropsyche contubernalis* and 6.2 % to *Ecnomus tenellus*. The other species are represented less than 1%. The updated list of species of the Velencei Mountains is given in Table 1. The total number of the species is 26, 14 species are new to the Trichoptera fauna of the Velencei Mountains. All collected species are common in Hungary (NÓGRÁDI & UHERKOVICH 1995) rare species has not been indicated. Some species are stream dweller (for instance: *Limnephilus griseus*, *L. sparsus* and *L. vittatus*), others may as well come from the surrounding running waters (*Hydropsyche contubernalis*, *H. bulgaromanorum*, *Neureclipsis bimaculata*) or from the Velencei Lake (*Ecnomus tenellus*). This article calls the attention to the possibility of using the species occurring in the catches of the plant protection practice for entomo-faunistic and conservation purposes.

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	Species	N	References
1	Hydroptilidae <i>Agraylea sexmaculata</i> Curtis, 1834	1	
2	Hydropsychidae <i>Hydropsyche angustipennis</i> (Curtis, 1834)	3	
3	<i>Hydropsyche bulgaromanorum</i> Malicky, 1977	6	
4	<i>Hydropsyche contubernalis</i> McLachlan, 1865	535	
5	<i>Hydropsyche pellucidula</i> (Curtis, 1834)	1	
6	<i>Hydropsyche</i> sp. indet (female)	1696	
7	Polycentropodidae <i>Neureclipsis bimaculata</i> (Linnaeus, 1758)	7	
8	Ecnomidae <i>Ecnomus tenellus</i> (Rambur, 1842)	152	
9	Phryganeidae <i>Agrypnia varia</i> (Fabricius, 1793)		Nógrádi 1989
10	<i>Oligostomis reticulata</i> Linnaeus, 1761		Nógrádi 1995
11	Limnephilidae <i>Limnephilus affinis</i> Curtis, 1834	16	Nógrádi 1989, Nógrádi 1995
12	<i>Limnephilus auricula</i> Curtis, 1834	2	
13	<i>Limnephilus bipunctatus</i> Curtis, 1834		Nógrádi 1995
14	<i>Limnephilus flavicornis</i> (Fabricius, 1787)	3	Nógrádi 1995
15	<i>Limnephilus griseus</i> (Linnaeus, 1758)		Nógrádi 1989
16	<i>Limnephilus lunatus</i> Curtis, 1834	3	
17	<i>Limnephilus rhombicus</i> (Linnaeus, 1758)		Nógrádi 1995
18	<i>Limnephilus sparsus</i> Curtis, 1834		Nógrádi 1995
19	<i>Limnephilus vittatus</i> (Fabricius, 1798)	1	Nógrádi 1989, Nógrádi 1995
20	<i>Grammotaulius nigropunctatus</i> (Retzius, 1783)		Nógrádi 1989, Nógrádi 1995
21	<i>Glyptotaelius pellucidus</i> (Retzius, 1783)	1	
22	<i>Anabolia furcata</i> Brauer, 1857	1	
23	<i>Stenophylax permistus</i> McLachlan, 1895	12	Nógrádi 1989, Nógrádi 1995
24	Leptoceridae <i>Ceraclea dissimilis</i> (Stephens, 1836)	11	Nógrádi 1989
25	<i>Oecetis ochracea</i> (Curtis, 1825)	8	
26	<i>Leptocerus tineiformis</i> Curtis, 1834	2	

Table 1: The caddisfly fauna of the Velencei Mountains in systematic order. (N: number of collected individuals at Sukoró in 1995, references give the older literature data on the Trichoptera fauna of the mountains)

References

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