

NOTES ON FUNGUS GNATS (DIPTERA, MYCETOPHILIDAE) REARED FROM MACROFUNGI IN ESTONIA

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Täiendusi makroseenest väljakasvatatud seenesääsklastele (Diptera, Mycetophilidae) Eestis

Artiklis on esitatud andmed kuue makroseenest väljakasvatatud seenesääsklaste kohta. Kasvatamise meetodikat on tutvustatud 1991. a. ilmunud artiklis (10). Väljakasvatatud kuuest liigist osutusid viis - *Sciophila nonnisilva* Hutson, *Mycetophila flava* Winn., *Brachypezza (Paracondyla) obscura* Winn., *Cordyla nitidula* Edw. and *Rymosia spinipes* Winn. - esmasleideks Eestis.

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There were 62 fungivorous fungus gnat species known from Estonia (10, 11, 12). In this paper, additional material on six fungivorous species is presented; five of them are new to Estonia. The method of rearing is described in an earlier paper (10). The material for the present paper was collected at four sites in Estonia: Laelatu, near Virtsu, 1991 (649:30, FK59); Rannametsa, south of Pärnu, 1995 (644:35); The Nigula Nature Reserve, 1993 (643:36); Uue-Saaluse, southeast of Võru, 1995 (640:50).

The material has been deposited at the Institute of Zoology and Botany, Tartu, Estonia. Asterisks before Mycetophilid names in the species list indicate new species to Estonia.

List of species

* *SCIOPHILA NONNISILVA* Hutson, 1979

Previously known from Great Britain (8), Azerbaidzhan (19) and from the Nearctic region (19). According to Zaitzev (19), the larvae of *S. nonnisilva* were recorded on the surface of rotting wood, on mycelium. By Chandler (2) the species has been reared from *Hirneola auricula-judae*.

Material: Laelatu (649:30, FK59), *Phellinius igniarius*, 30.08.1991, 1 ♂ emerged 13.04.1992.

* *MYCETOPHILA FLAVA* Winnertz, 1863

The species has been previously recorded from Finland, Sweden (14) and from Russia: Karelia, Leningrad District, Moscow District (9). Formerly recorded on *Lentinus*, *Peziza*, *Amanita*, *Kuehneromyces*, *Cortinarius*, *Inocybe* and *Leccinum* (7, 9, 18).

Material: Rannametsa (644:35), *Lentinus lepideus*, 28.08.1995, 38 ♂♂, 60 ♀♀ emerged 05.09. and 09.09.1995.

MYCETOPHILA OCELLUS Walker, 1848

Previously reported from Estonia by Lackschewitz (13).

Widely distributed in Europe, also known from Japan and the Nearctic region (14). According to the literature (4, 7, 18) it feeds on *Hypoxylon*, *Cylindrobasidium*, *Coniophora*, *Chondrostereum*, *Schizophora*, *Panellus*, *Phlebia*, *Sprassis*, *Pleurotus* and *Pleurocybella*. By Chandler (1) *M. ocellus* is polyphagous on lignicolous fungi.

Material: Nigula Nature Reserve (643:36), *Cortinarius* sp., 22.08.1993., 5 ♂♂ emerged 06.09. and 07.09.1993.

* *BRACHYPEZZA (PARACONDYLA) OBSCURA* Winnertz, 1863

Previously recorded from Germany, Denmark, Poland (6). The species is widely distributed in Russia (6, 9). Previously registered on *Verpa*, *Ptychoverpa*, *Polyporus*, *Pleurotus*, *Lentinus*, *Lactarius*, *Leccinum* and *Suillus* (9,18).

Material: Rannametsa (644:35), *Lentinus lepideus*, 28.08.1995, 2 ♂♂, 1 ♀ emerged 20.09. and 25.09.1995.

* *CORDYLA NITIDULA* Edwards, 1925

Widely distributed in Europe (6, 9). In the literature there is much data about feeding on *Russula* (3,4,15,16). Known also from *Lactarius*, *Suillus* and *Boletus* (5, 15, 17).

Material: Uue-Saaluse (640:50), *Russula* sp., 03.09.1995, 2 ♂♂ emerged 15.09.1995.

* *RYMOSIA SPINIPES* Winnertz, 1863

The species is widely distributed in Europe and recorded also from Afghanistan (6). *R. spinipes* has been reared from *Entoloma*, *Laccaria*, *Cortinarius*, *Inocybe* and *Tricholoma* (16,18). Registered also on *Tremellales* (18).

Material: Laelatu (649:30, FK59), *Inocybe bongardii*, 30.08.1991, 3 ♂♂ emerged 17.09. and 20.09.1991.

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