

## *Thereva nobilitata* (Diptera, Therevidae) reared from Boletales and Agaricales (Basidiomycota)

Olavi Kurina

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*Thereva nobilitata* (Fabricius) was reared from *Chroogomphus rutilus* and *Cortinarius* sp. in Estonia.

Olavi Kurina, Zoological Museum, Tartu University, Vanemuise 46, EE-2400 Tartu, Estonia

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Therevid larvae are predaceous and even cannibalistic, and may be found in sand, in dung, under rotting tree bark or in decaying wood (Kröber 1932, Cole 1965, Irwin & Lyneborg 1981). According to Lyneborg & Spitzer (1974), the larvae of *T. nobilitata* are known to feed on the preimagines of Hymenoptera and Diptera, especially on those of the families Mycetophilidae and Tipulidae. According to Krivosheina et al. (1986) larvae of Therevidae have been found in the dry remnants of Aphyllophorales. *Dialineura anilis* (Linnaeus) has been bred from *Polyporus* species (Kröber 1932). Therevid larvae have not been recorded from fruiting bodies of Boletales and Agaricales.

I succeeded in rearing *Thereva nobilitata* from the fungi *Chroogomphus rutilus* (Boletales) and *Cortinarius* sp. (Agaricales) kept in plastic containers covered with nylon gauze. Pure peat was used as the substrate for pupation. The imagines emerged after the pupal diapause. This emergence suggests that the larvae feed on larvae of mycetophagous Diptera.

The *Thereva nobilitata* material was collected in Estonia from Abruksa island and from the territory of the Puhtu Ornithological Station south-east of Virtsu. The material is deposited in the Zoological Museum in Tartu.

Material: Abruksa island, *Cortinarius* sp. (two fruiting bodies in one container) 10.IX.1991, 1♂ emerged

24.V.1992; mycetophagous Diptera emerged in the same container: *Tarnania fenestralis* (Meigen) (Mycetophilidae) 7♂♂ 4♀♀, *Pegomya geniculata* (Bouché) (Anthomyiidae) 8♂♂, *P. maculata* Stein (Anth.) 34♂♂, *Pegomya* sp. (Anth.) 51♀♀, *Suillia bicolor* (Zetterstedt) (Heleomyzidae) 1♂, *S. atricornis* (Meigen) (Helom.) 2♂♂ 2♀♀. — Puhtu, *Chroogomphus rutilus* (three fruiting bodies in one container) 18.IX.1991, 1♀ emerged 24.V.1992; mycetophagous Diptera emerged in the same container: *Exechia separata* Lundström (Mycetophilidae) 13♂♂, *Exechia* sp. (Mycet.) 4♀♀, *Botanophila silvatica* (Robineau-Desvoidy) (Anthomyiidae) 7♂♂, Anthomyiidae gen. sp. 3♀♀.

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