

Sciaroidea incertae sedis

Peter J. Chandler (1998 Checklist: absent)

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Diagnosis: Medium sized (4-6 mm), slender bodied, dark-coloured gnats, resembling Sciaridae but without an eye-bridge and with 5-segmented palpi. Head small; three ocelli present; antenna long and slender with 2 + 14 segments. Thorax humpbacked; pleura bare except for propleuron. Wing unmarked, with macrotrichia on membrane; vein Sc ending free; Rs unbranched (R_{2+3} absent), crossvein r-m near its base and extended basad in line with R_{4+5} , and with vein bm-m connected to base of posterior fork (comprising M_4 and CuA), so that fork appears sessile; stem of M_{1+2} shorter than its fork in European species. Coxae elongate; tibiae with apical spurs.

Biology: Larval development is unknown. Adults of *Heterotricha takkae* Chandler, 2002 were collected in Switzerland in submediterranean thermophilous *Quercus pubescens* forest.

Nomenclature and classification: According to Chandler (2002).

Number of species: CH: 1 (1998 Checklist: 0),

AT: 1, BE: 0, CZ: 1, DE: 0, FR: 0, GB: 0, HU: 0, IT: 1, NL: 0, SK: 0, Europe: 2, World: 46.

Level of faunistic knowledge in Switzerland: Moderate. The second European species *Sciarosoma nigriclava* (Strobl, 1898) is recorded from Austria and the Czech Republic, so could also be present. The Swiss species was described subsequent to publication of the checklist, but its existence was mentioned in Note 4 under Mycetophilidae (Chandler 1998).

General references: Chandler (2002) [keys to the then known genera, including descriptions of both European species].

References to the Swiss fauna: Chandler (2002), Merz et al. (2006).

Checklist

Heterotricha Loew, 1850

- *takkae* Chandler, 2002 !

References

Chandler P.J. 1998. 20. Mycetophilidae. In: Merz B., Bächli G., Haenni J.-P. & Gonthier Y. (eds). Diptera - Checklist. Fauna Helvetica 1: 113-125. CSCF / SEG, Neuchâtel, 369 pp.

Chandler P. 2002: *Heterotricha* Loew and allied genera (Diptera: Sciaroidea): offshoots of the stem group of Mycetophilidae and/or Sciaridae? Annales de la Société entomologique de France (n. s.) 38: 101-144.

Merz B., Bächli G. & Haenni J.-P. 2006. Zweiter Nachtrag zur Checkliste der Diptera der Schweiz. Mitteilungen der Entomologischen Gesellschaft Basel 56(4): 135-165.