

Piophilidae

Gerhard Bächli (1998 Checklist: Bernhard Merz)

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Diagnosis: Adults are small to medium-sized flies, with body lengths from 2.5 to 6.0 mm. Body colour very variable, from yellow to black, often shining black with yellow markings on head and legs. Diverging postocellars, ocellars, outer verticals and inner verticals present as well as vibrissae. Wings clear (usually) to dark patterned, vein C with subcostal break, Sc complete, alula well developed. Tibiae without dorsal preapical bristle.

Biology: Larvae live on (rotting) animal matter like bodies, carrion, bones, and other rotting, protein-rich organic matter; *Neottiophilum* larvae develop in birds' nests as ectoparasites on nestlings. Many larvae probably have the ability of jumping. Adults can be found on substrates for oviposition or on tree trunks and logs, possibly for mating.

Nomenclature and classification: According to Ozerov (2004).

Number of species: CH: 17 (1998 Checklist: 14),
BE: 14, CZ: 17, DE: 10, IT: 8, NL: 10, UK: 9, Europe: 29, World: ~70.

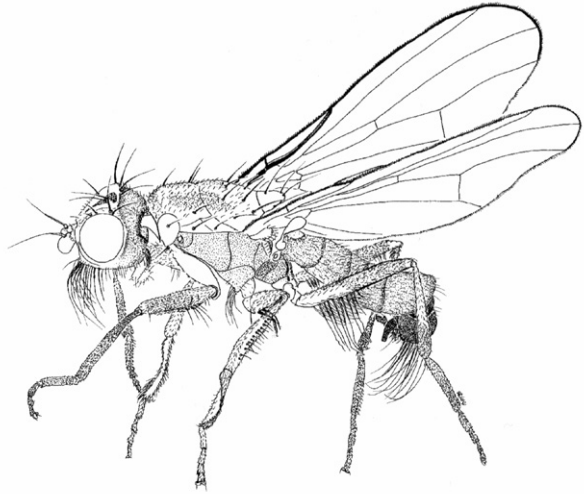
Level of faunistic knowledge in Switzerland: Good.

General references: McAlpine (1977) [world revision, keys], Merz (1996) [key], Ozerov (2004) [systematics].

References to the Swiss fauna: Merz (1996, 1998), Merz et al. (2002).

Checklist

- Actenoptera* Czerny, 1904
 - *hilarella* (Zetterstedt, 1847) !
- Allopiophila* Hendel, 1917
 - *luteata* (Haliday, 1833) !
- Amphipogon* Wahlberg, 1845
 - *flavum* (Zetterstedt, 1838) !
- Liopiophila* Duda, 1924
 - *varipes* (Meigen, 1830) !
- Mycetaulus* Loew, 1845
 - *bipunctatus* (Fallén, 1823) !
 - *hispanicus* Duda, 1927 !
 - *latipennis* Ozerov & Barták, 1993 !
- Neottiophilum* Frauenfeld, 1868
 - *praeustrum* (Meigen, 1826) !



Amphipogon flavum,
male (1998 Checklist, p. 261).

Parapiophila McAlpine, 1977

- *baechlii* Merz, 1996 !
- *pectiniventris* (Duda, 1924) !
- *vulgaris* (Fallén, 1820) !

Piophila Fallén, 1810

- *casei* (Linnaeus, 1758) !

Prochyliza Walker, 1849

- *nigricornis* (Meigen, 1826) !
- *nigrimana* (Meigen, 1826) !

Protopiophila Duda, 1924

- *latipes* (Meigen, 1838) !

Pseudoseps Becker, 1902

- *signata* (Fallén, 1820) !

Stearibia Lioy, 1864

- *nigriceps* (Meigen, 1826) !

References

- McAlpine J.F. 1977. A revised classification of the Piophilidae including « Neottiophilidae » and « Thyreophoridae » (Diptera: Schizophora). *Memoirs of the Entomological Society of Canada* 103: 1-66.
- Merz B. 1996. Die Piophilidae (Diptera) der Schweiz, mit Beschreibung einer neuen Art. *Mitteilungen der Schweizerischen Entomologischen Gesellschaft* 69: 345-360.
- Merz B. 1998. 70. Piophilidae. In: Merz B., Bächli G., Haenni J.-P. & Gonseth Y. (eds.). *Diptera - Checklist. Fauna Helvetica* 1: 263. CSCF / SEG, Neuchâtel, 369 pp.
- Merz B., Bächli G. & Haenni J.-P. 2002. Erster Nachtrag zur Checkliste der Diptera der Schweiz. *Mitteilungen der Entomologischen Gesellschaft Basel* 51(3-4)(2001): 110-140.
- Ozerov A.L. 2004. On classification of family Piophilidae (Diptera). *Zoologicheskii Zhurnal* 83(11): 1353-1360. [In Russian].