

Scatopsidae

Jean-Paul Haenni (1998 Checklist: Jean-Paul Haenni)

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Diagnosis: Minute to small (1.5-4 mm), rather stout nematocerous flies, generally dark brownish to black, sometimes more or less marked with yellow. Eyes holoptic in both sexes forming a bridge over antennae, only rarely hardly dichoptic. Antennae short, with 5-10 shortened flagellomeres; palpi one-segmented. Legs generally simple, devoid of bristles or spurs (except in Aspistinae with front tibia ending in a strong swollen spur). Thorax generally laterally compressed, much longer than wide, except in some genera. Postnotal phragma much developed, extending into base of abdomen. Wings usually more or less hyaline or slightly brownish-tinged, with only anterior veins pigmented, hind veins translucent, in some genera hind veins tinged, contrasting with membrane; venation reduced, only two R veins reaching wing margin (R_1 and R_{4+5}), M forked, no pterostigma, no discal cell, a spurious vein present as a fold between M_{1+2} and M_4 in most genera. Abdomen parallel-sided. Identification mostly based upon genitalic structures which are extremely diverse, especially in male sex.

Biology: Adults are unobtrusive, diurnal midges living in various environments, open, semi-open or wooded (*Apiloscatopse*), with wetland favoured by many species. They are quite frequently found on flowers, especially umbels. Aggregations of thousands of specimens can sometimes be observed in species of the genera *Reichertella* and *Apiloscatopse*. All known larvae are saprophagous, developing in a wide variety of decaying material, both vegetal and animal, in rotten wood, under bark of trees, in soil, leaf-litter, dung and fungi. Myrmecophily is observed in some genera.

Nomenclature and classification: According to Fauna Europaea (Haenni 2013), with some additions and minor changes.

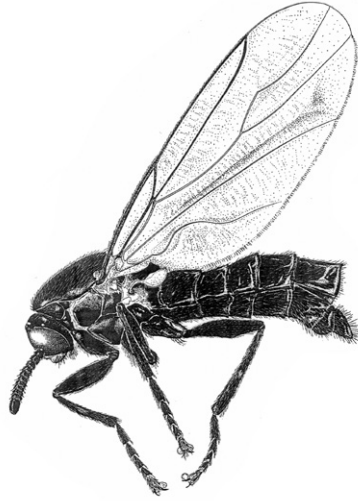
Number of species: CH: 71 (1998 Checklist: 61),

BE: 27, CZ: 48, DE: 56, FR: 62, GB 46, HU: 29, IT: 36, NL: 33, PL: 28, SK: 46, Europe: ~105, World: ~400.

Level of faunistic knowledge in Switzerland: Good; some additional species may probably occur in Switzerland while 2-3 still undescribed species await description.

General references: Cook (1965a, 1965b, 1969, 1972, 1974) [keys, Palaearctic species], Duda (1928) [keys, Palaearctic species], Freeman (1985) [keys, British species], Haenni (1997 [general, key to genera, adults and larvae], 2013a [*Colobostema*, key, European species], 2013b [Fauna Europaea database]), Krivosheina & Haenni (1986) [catalogue, Palaearctic species], Haenni & Vaillant (1994) [review of larvae, key to genera].

References to the Swiss fauna: Bächli et al. (2014), Haenni (1981, 1984, 1986, 1997a, 1997b, 1998, 2002, 2003, 2008, 2013a, 2020), Haenni & Martinovský (2014), Haenni & Merz (2012), Haenni & Pollini (2015), Haenni & Pollini Paltrinieri (2021), Laštovka & Haenni (1981), Merz et al. (1998, 2002, 2006).



Scatopse notata,
male (CMPD2, p.257).

Checklist

Aspistinae

Arthria Kirby, 1837

- *analis* Kirby, 1837 !

Aspistes Meigen, 1818

- *berolinensis* Meigen, 1818 !

Ectaetiinae

Ectaetia Enderlein, 1912

- *clavipes* (Loew, 1846) !

Psectrosciarinae

Anapausis Enderlein, 1912

- *albohalterata* Duda, 1928 !
- *annulicauda* Haenni, 1984 !
- *baueri* Fritz, 1983 !
- *conica* Haenni, 1984 !
- *dalmatina* Duda, 1928 !
- *dufourella* Haenni, 1984 !
- *floricola* Chandler, 1999 !
- *foveolata* Duda, 1928 !
- *haemorrhoidalis* Duda, 1928 !
- *helvetica* Haenni, 1984 !
- *inermis* (Ruthé, 1831) !
- *pseudohelvetic*a Haenni, 1984 !
- *rectinervis* Duda, 1928 !

- *solmatina* Haenni & Martinovský, 2014 !
- *soluta* (Loew, 1846) !
- *sulcata* Duda, 1928 !
- *talpae* (Verrall, 1912) !

Scatopsinae

Apiloscatopse Cook, 1974

- *bifilata* (Walker, 1856) !
- *flavicollis* (Meigen, 1818) !
- *flavocincta* (Duda, 1928) !
- *gracilis* (Duda, 1928) !
- *handlirschi* (Duda, 1928) !
- *mattheyi* Haenni, 1981 !
- *picea* (Meigen, 1818) !
- *scutellata* (Loew, 1846) !
- *styriaca* (Enderlein, 1926) !
- *subgracilis* Haenni & Greve, 1995 !

Coboldia Melander, 1916

- *fuscipes* (Meigen, 1830) !

Colobostema Enderlein, 1926

- *auberti* Haenni, 2013 !
- *geigeri* Haenni, 2013 !
- *griseinerve* (Duda, 1928) !
- *infumatum* (Haliday, 1833) !
- *lastovkai* Haenni, 2013 !
- *nigripenne* (Meigen, 1830) !
- *obscuritarse* (Strobl, 1898) !
- *schertenleibi* Haenni, 2013 !
- *triste* (Zetterstedt, 1850) !

Cooka Amorim, 2007

- *incisa* (Beekey, 1937) !

Dicrostolis Enderlein, 1936

- *falcinervis* (Duda, 1928) !

Efcookella Haenni, 1998

- *albitarsis* (Zetterstedt, 1850) !

Ferneiella Cook, 1985

- *brevifurca* (Enderlein, 1912) !
- *incompleta* (Verrall, 1886) !

Holoplugia Enderlein, 1912

- *bullata* (Edwards, 1925) !
- *lucifuga* (Loew, 1870) !
- *richardsi* (Edwards, 1934) !
- *transversalis* (Loew, 1846) !

Neorhegmoclemina Cook, 1955

- *catharinae* Haenni, 1997 !

Parascatopse Cook, 1955

- *distorta* Haenni & Pollini, 2015 !
- Pharsoreichertella* Cook, 1956
 - *hamifera* (Strobl, 1909) !
 - *simplicinervis* (Duda, 1928) !
- Reichertella* Enderlein, 1912
 - *geniculata* (Zetterstedt, 1850) !
 - *nigra* (Meigen, 1804) !
- Rhexoza* Enderlein, 1936
 - *flixella* Haenni, 2001 !
 - *richardsi* Freeman, 1985 !
 - *subnitens* (Verrall, 1886) !
- Scatopse* Geoffroy, 1762
 - *globulicauda* Laštovka & Haenni, 1981 !
 - *notata* (Linnaeus, 1758) !
- Swammerdamella* Enderlein, 1912
 - *acuta* Cook, 1956 !
 - *adecotris* Cook, 1972 !
 - *brevicornis* (Meigen, 1830) !
 - *genypodis* Cook, 1972 !
 - *pediculata* (Duda, 1928) !
- Thripomorpha* Enderlein, 1905
 - *bifida* Zilahi-Sebess, 1956 !
 - = *collini* Cook, 1969
 - *cooki* (Hutson, 1970) !
 - *coxendix* (Verrall, 1912) !
 - *halteratum* (Meigen, 1838) !
 - *paludicola* Enderlein, 1905 !
 - = *edwardsi* Collin, 1954
 - *verralli* (Edwards, 1934) !

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