

# Checklist of the family Sphaeroceridae (Diptera) of Finland

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Academic editor: J. Salmela | Received 12 February 2014 | Accepted 23 March 2014 | Published 19 September 2014

<http://zoobank.org/D3D5D02A-BB03-4168-881F-98740C81AD0A>

**Citation:** Haarto A, Kahanpää J (2014) Checklist of the family Sphaeroceridae (Diptera) of Finland. In: Kahanpää J, Salmela J (Eds) Checklist of the Diptera of Finland. ZooKeys 441: 325–332. doi: 10.3897/zookeys.441.7250

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## Abstract

A checklist of the family Sphaeroceridae (Diptera) recorded from Finland.

## Keywords

Checklist, Finland, Diptera, Sphaeroceridae

## Introduction

Sphaeroceridae or lesser dung flies are mostly small and dull dark brown to grey acalypratae flies. They are easily distinguished from other acalypratae because of the short and thickened basal tarsomeres of hind legs. Larvae of Sphaeroceridae develop in decaying organic matter such as decaying vegetation, dung and rotten fungi.

The family has gathered little interest among entomologists in Finland. Walter Hackman concentrated on the taxonomy of the subfamily Copromyzinae (Hackman 1965) and investigated the dipterous fauna, including sphaerocerids, in the burrows of small mammals (Hackman 1963). Hackman (1980) published the latest list of the Finnish sphaerocerid species. Further species were added in several revisions of Eu-

ropean taxa by Roháček (1982, 1983, 1991). There has been increasing interest in sphaerocerids in Finland after the year 2000 (see Haarto and Kahanpää 2013).

The classification follows the world catalogue of Sphaeroceridae (Roháček et al. 2001, Marshall et al. 2011).

### Number of species:

World: 1571 species (Pape et al. 2011)

Europe: 257 species

Finland: 118 species

Faunistic knowledge level in Finland: average

### Checklist

suborder Brachycera Macquart, 1834

clade Eremoneura Lameere, 1906

clade Cyclorrhapha Brauer, 1863

infraorder Schizophora Becher, 1882

clade Muscaria Enderlein, 1936

parvorder Acalyptratae Macquart, 1835

superfamily Sphaeroceroidea Macquart, 1835

**SPHAEROCEIDAE** Macquart, 1835

**COPROMYZINAE** Stenhammar, 1854

**ALLOBORBORUS** Duda, 1923

*Alloborborus pallifrons* (Fallén, 1820)

= *flavipennis* (Haliday, 1836)

**BORBORILLUS** Duda, 1923

*Borborillus uncinatus* (Duda, 1923)

*Borborillus vitripennis* (Meigen, 1830)

= *longipennis* (Haliday, 1836)

**COPROMYZA** Fallén, 1810

*Copromyza borealis* Zetterstedt, 1847

*Copromyza equina* Fallén, 1820

*Copromyza nigrina* (Gimmerthal, 1847)

= *similis* (Collin, 1930)

*Copromyza stercoraria* (Meigen, 1830)

**CRUMOMYIA** Macquart, 1835

= *Apterina* Macquart, 1835

*Crumomyia fimetaria* (Meigen, 1830)

*Crumomyia gelida* Hackman, 1965

*Crumomyia glabrifrons* (Meigen, 1830)

*Crumomyia nigra* (Meigen, 1830)

*Crumomyia nitida* (Meigen, 1830)

*Crumomyia notabilis* (Collin, 1902)

= *glacialis* misid.

*Crumomyia pedestris* (Meigen, 1830)

*Crumomyia pruinosa* (Richards, 1932)

= *annulus* misid.

= *rufoannulata* misid.

*Crumomyia setitibialis* (Spuler, 1925)

= *freyi* (Hackman, 1965)

= *annulipes* misid.

= *roseri* misid.

**LOTOPHILA** Lioy, 1864

*Lotophila atra* (Meigen, 1830)

**NORRBOMIA** Papp, 1988

*Norrbomia costalis* (Zetterstedt, 1847)

*Norrbomia fumipennis* (Stenhammar, 1855)

*Norrbomia hispanica* (Duda, 1923)

*Norrbomia sordida* (Zetterstedt, 1847)

SPHAEROCEPINAE Macquart, 1835

**ISCHIOLEPTA** Lioy, 1864

*Ischiolepta crenata* (Meigen, 1838)

*Ischiolepta denticulata* (Meigen, 1830)

= *paracrenata* (Duda, 1920)

*Ischiolepta micropyga* (Duda, 1938)

*Ischiolepta nitida* (Duda, 1920)

= *denticulata* auct. nec (Meigen, 1830)

*Ischiolepta pusilla* (Fallén, 1820)

*Ischiolepta scabricula* (Haliday, 1836)

*Ischiolepta vaporariorum* (Haliday, 1836)

**LOTOBIA** Lioy, 1864

*Lotobia pallidiventris* (Meigen, 1830)

**SPHAEROCERA** Latreille, 1804

= *Cypselia* Meigen, 1800 suppr.

*Sphaerocea curvipes* Latreille, 1805

*Sphaerocea monilis* Haliday, 1836

LIMOSININAE Frey, 1921

**APTEROMYIA** Vimmer, 1929

*Apteromyia claviventris* (Strobl, 1909)

**BIFRONSINA** Roháček, 1983

*Bifronsina bifrons* (Stenhammar, 1855)

**CHAETOPODELLA** Duda, 1920

sg. **Chaetopodella** Duda, 1920

*Chaetopodella scutellaris* (Haliday, 1836)

**COPROICA** Rondani, 1861

- Coproica acutangula* (Zetterstedt, 1847)  
*Coproica ferruginata* (Stenhammar, 1855)  
*Coproica hirticula* Collin, 1965  
*Coproica hirtula* (Rondani, 1880)  
*Coproica lugubris* (Haliday, 1835)  
*Coproica pusio* (Zetterstedt, 1847)  
    = *pseudolugubris* (Duda, 1924)

*Coproica vagans* (Haliday, 1833)

**ELACHISOMA** Rondani, 1880

*Elachisoma aterrimum* (Haliday, 1833)

**EULIMOSINA** Roháček, 1983

*Eulimosina ochripes* (Meigen, 1830)

**GIGALIMOSINA** Roháček, 1983

*Gigalimosina flaviceps* Zetterstedt, 1847

**GONIONEURA** Rondani, 1880

    = **Halidayina** Duda, 1918

*Gonioneura spinipennis* (Haliday, 1836)

**HERNIOSINA** Roháček, 1983

*Herniosina bequaerti* (Villeneuve, 1917)

**LEPTOCERA** Olivier, 1813

    = **Paracollinella** Duda, 1924

*Leptocera caenosa* (Rondani, 1880)

*Leptocera finalis* (Collin, 1956)

*Leptocera fontinalis* (Fallén, 1826)

*Leptocera nigra* Olivier, 1813

**LIMOSINA** Macquart, 1835

*Limosina silvatica* (Meigen, 1830)

**MINILIMOSINA** Roháček, 1983

**sg.** *Minilimosina* Roháček, 1983

*Minilimosina baculum* Marshall, 1985

*Minilimosina bicuspis* Roháček, 1993

    = *trogeri* misid.

*Minilimosina fungicola* (Haliday, 1836)

    = *exigua* (Rondani, 1880)

*Minilimosina parvula* Stenhammar, 1855

*Minilimosina tenera* Roháček, 1983

**sg.** *Svarciella* Roháček, 1983

*Minilimosina guestphalica* (Duda, 1918)

    = *v-atrum* misid.

*Minilimosina v-atrum* (Villeneuve, 1917)

    = *splendens* (Duda, 1928)

*Minilimosina vitripennis* (Zetterstedt, 1847)

**OPACIFRONS** Duda, 1918*Opacifrons coxata* (Stenhammar, 1855)**OPALIMOSINA** Roháček, 1983**sg. *Dentilimosina*** Roháček, 1983*Opalimosina denticulata* (Duda, 1924)**sg. *Opalimosina*** Roháček, 1983*Opalimosina collini* (Richards, 1929)*Opalimosina mirabilis* (Collin, 1902)*Opalimosina simplex* Richards 1929**sg. *Pappiella*** Roháček, 1983*Opalimosina liliputana* (Rondani, 1880)= *appendiculata* Villeneuve, 1918**PARALIMOSINA** Papp, 1973*Paralimosina kaszabi* Papp, 1973**PHILOCOPRELLA** Richards, 1929*Philocoprella quadrispina* (Laurence, 1952)**PHTHITIA** Enderlein, 1938**sg. *Alimosina*** Roháček, 1983*Phthitia empirica* (Hutton, 1901)= *cadaverina* (Duda, 1918)**sg. *Collimosina*** Roháček, 1983*Phthitia spinosa* Collin, 1930**sg. *Kimosina*** Roháček, 1983*Phthitia longisetosa* (Dahl, 1909)*Phthitia plumosula* (Rondani, 1880)**PSEUDOCOLLINELLA** Duda, 1924*Pseudocollinella flavilabris* (Hackman, 1968)*Pseudocollinella humida* (Haliday, 1836)*Pseudocollinella septentrionalis* (Stenhammar, 1855)**PTEREMIS** Rondani, 1856*Pteremis fenestralis* (Fallén, 1820)= *nivalis* (Haliday, 1833)= *subaptera* Frey, 1946**PULLIMOSINA** Roháček, 1983**sg. *Dahlimosina*** Roháček, 1983*Pullimosina dahli* (Duda, 1918)**sg. *Pullimosina*** Roháček, 1983*Pullimosina heteroneura* (Haliday, 1836)*Pullimosina meijerei* (Duda, 1918)*Pullimosina moesta* (Villeneuve, 1918)= *antennata* (Duda, 1918)*Pullimosina pullula* (Zetterstedt, 1847)*Pullimosina vulgesta* Roháček, 2001

= *moesta* auct. nec (Villeneuve, 1918)

**RACHISPODA** Lioy, 1864

*Rachispoda anceps* (Stenhammar, 1855)

*Rachispoda breviceps* (Stenhammar, 1855)

*Rachispoda fuscipennis* (Haliday, 1833)

*Rachispoda hostica* Villeneuve, 1917

*Rachispoda intermedia* (Duda, 1918)

*Rachispoda limosa* (Zetterstedt, 1820)

*Rachispoda lugubrina* (Zetterstedt, 1847)

*Rachispoda lutosa* (Stenhammar, 1855)

= *palustris* (Collin, 1930)

*Rachispoda lutosoidea* (Duda, 1938)

= *lutosa* auct. nec (Stenhammar, 1855)

**SPELOBIA** Spuler, 1924

*Spelobia belanica* Roháček, 1983

*Spelobia cambrica* (Richards, 1929)

*Spelobia clunipes* (Meigen, 1830)

= *crassimana* (Haliday, 1836)

*Spelobia ibrida* Roháček, 1983

*Spelobia luteilabris* (Rondani, 1880)

*Spelobia manicata* (Richards, 1927)

*Spelobia nana* (Rondani, 1880)

*Spelobia palmata* (Richards, 1927)

*Spelobia pappi* Roháček, 1983

*Spelobia parapusio* (Dahl, 1909)

*Spelobia pseudonivalis* (Dahl, 1909)

*Spelobia pseudosetaria* (Duda, 1918)

= *penetralis* (Collin, 1925)

*Spelobia rufilabris* (Stenhammar, 1855)

*Spelobia talparum* (Richards, 1927)

*Spelobia ulla* Roháček, 1983

**SPINILIMOSINA** Roháček, 1983

*Spinilimosina brevicostata* (Duda, 1918)

**TELOMERINA** Roháček, 1983

*Telomerina eburnea* Roháček, 1983

*Telomerina flavipes* (Meigen, 1830)

*Telomerina pseudoleucoptera* (Duda, 1924)

**TERRILIMOSINA** Roháček, 1983

*Terrilimosina racovitzai* (Bezzi, 1911)

*Terrilimosina schmitzi* (Duda, 1918)

**THORACOCHAETA** Duda, 1918

*Thoracochaeta brachystoma* (Stenhammar, 1855)

*Thoracochaeta zosterae* (Haliday, 1833)

**TRACHYOPELLA** Duda, 1918**sg. *Nudopella*** Roháček & Marshall, 1986*Trachyopella leucoptera* (Haliday, 1836)**sg. *Trachyopella*** Duda, 1918*Trachyopella atomus* (Rondani, 1880)*Trachyopella bovilla* Collin, 1954= *coprina* misid.*Trachyopella lineafrons* (Spuler, 1925)= *atomus* misid.*Trachyopella melania* (Haliday, 1836)= *villeneuvii* (Duda, 1924)**Excluded species***Rachispoda cilifera* (Rondani, 1880) not found within present borders*Minilimosina unica* (Papp, 1973) not found within present borders= *hackmani* (Roháček, 1977)**Notes**

***Spelobia manicata* (Richards, 1927)** is considered a valid species although Pitkin (1988) synonymized it with *Spelobia clunipes* (Meigen, 1830).

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