

A revised checklist of Swedish Dolichopodidae (Diptera)

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A revised check list of Swedish species of Dolichopodidae is given. 334 species and 32 genera known in Sweden are included, belonging to the nine subfamilies. *Dolichopus modestus* Wahlberg, 1850 is placed in synonymy to *Dolichopus simplex* Meigen, 1824. Lectotypes and paralectotypes are designated for *Rhaphium discigerum* Stenhammar, 1851, *Dolichopus bonsdorffi* Frey, 1915, and *Chrysotus arcticus* Frey, 1915. Synonymy of *Thinophilus flavipalpis* (Zetterstedt, 1843) and *Thinophilus neptunus* Frey, 1915 is confirmed.

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Introduction

The last checklist of Swedish Dolichopodidae including 321 species was published not long ago (Grichanov, 2002). However, an intensive treatment of the collections of three main Swedish Museums in Stockholm (NHMS), Lund (ZML) and Uppsala (ZMU) carried out recently has revealed 13 species new for the Swedish fauna (Grichanov, 2003; Grichanov et al., in prep.). Some taxonomic changes are also here proposed. The author has excluded some synonymic names rarely used in the European literature. Several errors and misprintings of the previous list are here corrected. Now 334 species and 32 genera are known from the country, belonging to the nine subfamilies. See also footnotes to the checklist.

Species marked below with an asterisk (*) are included in the checklist for the first time.

The following new synonym is proposed in this paper:

Dolichopus simplex Meigen, 1824
= *Dolichopus modestus* Wahlberg, 1850,
syn. nov.

Lectotype and paralectotypes are designated here for *Rhaphium discigerum* Stenhammar, 1851 (ZMU). Studying the collection of the Finnish Zoological Museum (ZMH), I have confirmed synonymy of *Thinophilus flavipalpis* (Zetterstedt, 1843) and *Thinophilus neptunus* Frey, 1915, and have designated lectotypes and paralectotypes for *Dolichopus bonsdorffi* Frey, 1915, and *Chrysotus arcticus* Frey, 1915. Subfamilies and genera within subfamilies are given in alphabetical order. Genera are not divided here into subgenera. A list of doubtful species and records is given in Grichanov (2002). Any correction and supplement to this list will be welcomed.

ACHALCINAE Grootaert & Meuffels, 1997**Achalca Loew, 1857**

- **bimaculatus* Pollet, 1996
 =*flavissimus* Rohlfien & Ewald, 1979 [*nomen nudum*]
cinereus (Haliday, 1851) [*Rhaphium*]
 =*pygmaeus* (Zetterstedt, 1855) [*Rhaphium*]
flavicolis (Meigen, 1824) [*Porphyrops*]
 =*pallidus* (Zetterstedt, 1843) [*Rhaphium*]
melanotrichus Mik, 1878
 **nigropunctatus* Pollet & Brunhes, in Pollet, 1996
 **thalhammeri* Lichtwardt, 1913
 **vallanti* Brunhes, 1987 [1986]

DIAPHORINAE Schiner, 1864

- **Acropsilus* Mik, 1878
 **nlger* (Loew, 1869) [*Chrysotus*]

Argyra Macquart, 1834

- argentina* (Meigen, 1824) [*Porphyrops*]
 =*diaphana* (Fallén, 1823) [*Dolichopus*]
 (misident., nec Fabricius, 1775, nec Fabricius, 1805)¹
 =*geniculata* (Schummel, 1837) [*Porphyrops*]
argyria (Meigen, 1824) [*Porphyrops*]
 =*argentata* Macquart, 1834
 =*argentella* (Zetterstedt, 1843) [*Dolichopus*]
 =*divergens* Parent, 1926
auricollis (Meigen, 1824) [*Porphyrops*]
 =*pellucens* var. \hat{a} of Fallén, 1823 [*Dolichopus*]
diaphana (Fabricius, 1775) [*Musca*]
 =*ludae* (Harris, 1776) [*Musca*]
 =*pellucens* (Fallén, 1823) [*Dolichopus*]
 =*versicolor* (Meigen, 1824) [*Porphyrops*]
 =*hirtipes* (Curtis, 1835) [*Porphyrops*]
elongata (Zetterstedt, 1843) [*Dolichopus*]
ilonae Gosseries, 1989
 =*confinis* (Zetterstedt, 1849) [*Dolichopus*] (nec Walker, 1849)

- leucocephala* (Meigen, 1824) [*Porphyrops*]
 =*pellucens* (Zetterstedt, 1838) [*Dolichopus*]
 (misident., nec Fallén, 1823)
 =*diaphana* (Meigen, 1824) [*Porphyrops*]
 (misident., nec Fabricius, 1775, nec Fabricius, 1805, nec Fallén, 1823)
 =*fulviventris* Macquart, 1827 [*Medeterus*]
 =*fulgens* (Haliday, 1832) [*Porphyrops*]
loewi Kowarz, 1879
magnicornis (Zetterstedt, 1838) [*Dolichopus*]
 =*aristata* Gerstäcker, 1864
setimana Loew, 1859
spollata Kowarz, 1879
subarctica Ringdahl, 1920
vestita (Wiedemann, 1817) [*Dolichopus*]

Chrysotus Meigen, 1824

- angulicornis* Kowarz, 1874²
 **arcticus* Frey, 1915³
blepharoseles Kowarz, 1874
clipes Meigen, 1824
 =*subfemoratus* Frey, 1939
 =*callidus* Parent, 1944
cupreus Macquart, 1827
 =*atripes* von Roser, 1840
femoratus Zetterstedt, 1843
 =*licenti* Parent, 1944
gramineus (Fallén, 1823) [*Dolichopus*]
 =*laesus* (Fallén, 1823, p.p.) [*Dolichopus*]
 =*minimus* (Meigen, 1830) [*Diaphorus*]
 =*nigripes* Walker, 1849 (misident., nec Fabricius, 1794; nec Meigen, 1824)
 =*facialis* Gerstäcker, 1864
 =*microcerus* Kowarz, 1874
 =*varians* Kowarz, 1874

² The species was in error placed in synonymy to *C. gramineus* in the previous list (Grichanov, 2002). Despite the very similar habitus of the two species, the subtriangular postpedicel and shape of aedeagus seem to be rather stable in *C. angulicornis*.

³ Type material examined [ZMH]. Lectotype [here designated]. ♂, Ponoj / R. Frey / 5093 / Spec. typ. / Mus. Zool. H. fors, Spec. typ. No 4466 / *Chrysotus arcticus* Frey; Paralectotypes: 3 ♀♀, same labels with coll. Nrs. 5095/4467, 5095/4468 & 4882/4469; 1 ♀, Ponoj / R. Frey / 4883 / Spec. typ. No / Mus. Zool. Helsinki, Loan No D4599 / *Chrysotus arcticus* Frey, Negrobov det. 1980; 1 ♀, Ponoj / R. Frey / 4654 / Spec. typ. No / Mus. Zool. Helsinki, Loan No D4598. Remark. Lectotype and paralectotypes are here designated in order to promote stability of nomenclature. Type material corresponds to original description of *Chrysotus arcticus* by Frey (1915).

¹ *Dolichopus diaphanus* Fallén was earlier listed as doubtful species (Grichanov, 2002). 3 males and 6 females were found in the Fallén collection (drawer 28) in the Swedish Museum of Natural History, Stockholm, and labeled as *D. diaphanus* Fl. Females examined are practically indeterminable; 1 male belongs to *A. leucocephala* and 2 males to *A. argentina*. So, I consider this name as synonym of the last species.

=*andorrensis* Parent, 1938
 =*arvernica* Vaillant & Brunhes, 1980
laesus (Wiedemann, 1817) [*Dolichopus*]
 =*amplicornis* Zetterstedt, 1849
 =*enderleini* Parent, 1938
melampodius Loew, 1857
neglectus (Wiedemann, 1871) [*Dolichopus*]
 =*viridulus* (Fallén, 1823) [*Dolichopus*]
 =*copiosus* Meigen, 1824
 =*femoralis* Meigen, 1824
 =*taeniomerus* Meigen, 1830
 =*lundbladi* Frey, 1939
obscuripes Zetterstedt, 1838
 =*amplicornis* Kowarz, 1874, nec Zetterstedt, 1849
 =*kowarzi* Lundbeck, 1912
palustris Verrall, 1876
pulchellus Kowarz, 1874
ringdahli Parent, 1929
 =*ringdahli* Ringdahl, 1928 [*nomen nudum*]
suavis Loew, 1857

Cryptophleps Lichtwardt, 1898

kerteszi Lichtwardt, 1898

Diaphorus Meigen, 1824

hoffmannseggii Meigen, 1830
 =*tripilus* Loew, 1857
nigricans Meigen, 1824
 =*obscurillus* Zetterstedt, 1838
 =*obscuripes* Zetterstedt, 1843 [*Chrysotus*]
 (misident., nec Zetterstedt, 1838)
 =*sokolovi* Stackelberg, 1928
oculatus (Fallén, 1823) [*Dolichopus*]
 =*flavocinctus* Meigen, 1824
 =*tuberculatus* (Meigen, 1824) [*Dolichopus*]
 =*bimaculatus* Macquart, 1827
 =*hoffmannseggii* Macquart, 1834 [*Diaphora*]
 (misident., nec Meigen, 1830)

Melanostolus Kowarz, 1884

melancholicus (Loew, 1869) [*Diaphorus*]
 =*dorsalis* (Verrall, 1876) [*Diaphorus*]

DOLICHOPODINAE Latreille, 1809

Dolichopus Latreille, 1796

acuticornis Wiedemann, 1817
 =*ruralis* Meigen, 1824

aemulus Loew, 1859
agilis Meigen, 1824
albifrons Loew, 1859
 =*latilimbatus* Wahlberg, 1850 (misident., nec Macquart, 1827)
annulipes Zetterstedt, 1838
 =*stenhammari* Zetterstedt, 1843
annullifrons Ringdahl, 1920
apicalls Zetterstedt, 1849
arbustorum Stannius, 1831
 =*pallidicoxa* von Roser, 1840
argyrotarsis Wahlberg, 1850
armillatus Wahlberg, 1850
 =*stenhammari* var. *b* of Zetterstedt, 1843
atripes Meigen, 1824
atritibialis Zetterstedt, 1859
austriacus Parent, 1927
bonsdorffi Frey, 1915⁴
brevipennis Meigen, 1824
 =*plumitarsis*, var. *β* of Fallén, 1823
calligatus Wahlberg, 1850
 =*flavipes* Parent, 1938 (misident., nec Stannius, 1831)
calnotus Loew, 1871
campestris Meigen, 1824
cillifemoratus Macquart, 1827
 =*macquarti* Parent, 1926 (misident., nec Staeger, 1842)
 =*pseudocillifemoratus* Stackelberg, 1933
cinctipes Wahlberg, 1850
claviger Stannius, 1831
clavipes Haliday, 1832
 =*trochanteratus* Zetterstedt, 1843
 =*fuscipes* Haliday, 1832
 =*vitripennis* Staeger, 1842 (misident., nec Meigen, 1824)
constimilis Wahlberg, 1850
costalis Frey, 1915
cruralis Wahlberg, 1850
 =*lapponicus* Becker, 1917
diadema Haliday, 1832
discifer Stannius, 1831
 =*patellatus* Meigen, 1824 (nec Fallén, 1823)

⁴ Type material examined [ZMH]. Lectotype [here designated]. ♂, Muonio / J. Sahlbg. / 454 / Mus. Zool. H.fors / spec. typ. No 4464 / *Dolichopus bonsdorffi* Frey; Paralectotype: 1 ♂, Muonio / R. Frey / 587 / Mus. Zool. H.fors / spec. typ. No 4465.

Remark. Lectotype and paralectotype are here designated in order to promote stability of nomenclature. Type material corresponds to original description of *Dolichopus bonsdorffi* by Frey (1915).

- =*confusus* Zetterstedt, 1838 nec 1843
 =*nigricornis* Becker, 1917 et auctt. (misident., nec Meigen, 1824)
discimanus Wahlberg, 1851
 =*discifer* var. *b* of Zetterstedt, 1849 (misident., nec Stannius, 1831)
 =*mucronatus* Becker, 1917
exiguus Zetterstedt, 1843⁵
festivus Haliday, 1832
 =*cilifemoratus* Stannius, 1831 (nec Macquart, 1827)
 =*macquarti* Staeger, 1842
fraterculus Zetterstedt, 1843
fulgidus Fallén, 1823
grandicornis Wahlberg, 1850
griseipennis Stannius, 1831
 =*nitidus* Macquart, 1827 (nec Fallén, 1823)
 =*subrutilus* Zetterstedt, 1859
hilaris Loew, 1862
inconspicuus Zetterstedt, 1843
lancearius Hedström, 1966
latilimbatus Macquart, 1827
 =*vulgaris* Stannius, 1831
latipennis Fallén, 1823
lepidus Staeger, 1842
 =*tibialis* Zetterstedt, 1838⁶
 =*dissimilipes* Zetterstedt, 1843
 =*geniculatus* Zetterstedt, 1843 (misident., nec Stannius, 1831)
 =*picipes* Haliday, 1851 (misident., nec Meigen, 1824)
linearis Meigen, 1824
 =*agilis* Zetterstedt, 1849 (misident., nec Meigen, 1824)
 =*plebeius* Meigen, 1824
 =*parvulus* Zetterstedt, 1843
lineatocornis Zetterstedt, 1843
 =*fallaciosus* Gerstaecker, 1864
litorellus Zetterstedt, 1852
longicornis Stannius, 1831
 =*acuticornis* Fallén, 1823 [p.p.] [et alii auctores, misident., nec Wiedemann, 1817] Stannius, 1831
 =*equestris* Haliday, 1832
 =*cinctus* Staeger, 1842
 =*staegeri* Zetterstedt, 1843
maculicornis Verrall, 1875
 =*consobrinus* Zetterstedt, 1859 (nec Haliday, 1851)
maculipennis Zetterstedt, 1843
mannerheimi Zetterstedt, 1838
medlicornis Verrall, 1875
meigeni Loew, 1857
melanopus Meigen, 1824
micropygus Wahlberg, 1850
 =*brachyurus* Zetterstedt, 1859
migrans Zetterstedt, 1843
 =*confusus* Zetterstedt, 1843 nec 1838
 =*patellatus* Stannius, 1831 (nec Fallén, 1823, nec Meigen, 1824)
nigripes Fallén, 1823
 =*melanopus* Stannius, 1831 (misident., nec Meigen, 1824)
 =*falleni* Loew, 1857
nitidus Fallén, 1823
 =*ornatus* Meigen, 1824
 =*jucundus* Haliday, 1833
 =*azureus* Macquart, 1834
 =*coeruleicollis* Meigen, 1838
notatus Staeger, 1842
 =*notabilis* Zetterstedt, 1843
 =*puncticornis* Zetterstedt, 1843
nubilus Meigen, 1824
 =*pallipes* Macquart, 1827
 =*actaeus* Haliday, 1832
 =*inquinatus* Haliday, 1832
parvicaudatus Zetterstedt, 1843
pectinitarsis Stenhammar, 1851⁽³⁾
pennatus Meigen, 1824
 =*popularis* Fallén, 1823 (misident., nec Wiedemann, 1817)
 =*signatus* Staeger, 1842 (misident., nec Meigen, 1824)
picipes Meigen, 1824
 =*cyaneus* Meigen, 1824
 =*fastuosus* Haliday, 1832
plantarsis Fallén, 1823
plumipes (Scopoli, 1763) [Musca]
 =*pennitarsis* Fallén, 1823
 =*plantarsis* Meigen, 1824 (misident., nec Fallén, 1823)
plumitarsis Fallén, 1823
popularis Wiedemann, 1817
propinquus Zetterstedt, 1852⁷
 =*affinis* Wahlberg, 1850 (nec Walker, 1849)

⁵ *D. propinquus* is possible synonym of *D. exiguus* known by single female.

⁶ Status of the name *tibialis* Zetterstedt needs revision.

⁷ *D. propinquus* is possible synonym of *D. exiguus* known by single female.

- pseudomigrans* Ringdahl, 1928
= *migrans* Becker, 1917 (misident., nec Zetterstedt, 1843)
- punctum* Meigen, 1824
= *lepidus* Zetterstedt, 1843 nec Staeger, 1842
- remipes* Wahlberg, 1839
- rupestris* Haliday, 1833
= *festinans* Zetterstedt, 1838
= *fuscimanus* Zetterstedt, 1843
- ruthei* Loew, 1847
- sabinus* Haliday, 1838
= *pictus* Staeger, 1842
- signatus* Meigen, 1824
= *argentifer* Loew, 1859
- signifer* Haliday, 1832
= *pictipennis* Wahlberg, 1850
= *punctum* Haliday, 1851 (misident., nec Meigen, 1824)
- simplex* Meigen, 1824
= *thalassinus* Haliday, 1832
= *vicinus* Macquart, 1834
= *modestus* Wahlberg, 1850, **syn. nov.**^a
- spretus* Loew, 1871
- subpennatus* d'Assis Fonseca, 1976
- tanythrix* Loew, 1869
- trivialis* Haliday, 1832
= *intermedius* Staeger, 1842
= *camptopus* Parent, 1913
= *cilifemoratus* Parent, 1926 (misident., nec Macquart, 1827; nec Stannius, 1831; nec Staeger, 1842)
- ungulatus* (Linnaeus, 1758) [*Musca*]
= *aeneus* (de Geer, 1776) [*Nemotelus*, as "Nemotele"]
= *bifurcatus* Macquart, 1827
= *subungulatus* Stackelberg, 1933
- urbanus* Meigen, 1824
- virgultorum* Haliday, 1851
= *arbusorum* Zetterstedt, 1843 (misident., nec Stannius, 1831)
- vitripennis* Meigen, 1824
= *tibiellus* Zetterstedt, 1843
= *brachycerus* Zetterstedt, 1843
= *braueri* Nowicki, 1867
- wahlbergi* Zetterstedt, 1843
- zetterstedti* Stenhammar, 1852
- Hercostomus* Loew, 1857**
- aerosus* (Fallén, 1823) [*Dolichopus*]
= *rhaphioides* (Zetterstedt, 1838) [*Chrysotus*]
= *dahlbomi* (Zetterstedt, 1843) [as variation of *Dolichopus aerosus* Fallén, 1823]
- angustifrons* (Staeger, 1842) [*Dolichopus*]
- argentifrons* Oldenberg, 1916
- assimilis* (Staeger, 1842) [*Dolichopus*]
- blankaartensis* Pollet, 1991 [1990]
- brevicornis* (Staeger, 1842) [*Dolichopus*]
= *obscuripennis* (Zetterstedt, 1843) [*Dolichopus*]
- celer* (Meigen, 1824) [*Dolichopus*]
= *sarus* (Haliday, 1832) [*Dolichopus*]
- chalybeus* (Wiedemann, 1817) [*Dolichopus*]
= *cinereomaculatus* (von Roser, 1840) [*Dolichopus*]
- chetifer* (Walker, 1849) [*Porphyrops*]
= *alutifer* (Haliday, 1851) [*Dolichopus*]
= *cretifer* (Walker, 1856) [*Porphyrops*]
- chrysozygos* (Wiedemann, 1817) [*Dolichopus*]
- cupreus* (Fallén, 1823) [*Dolichopus*]
= *albifrons* (Zetterstedt, 1859) [*Dolichopus*]
- fulvicaudis* (Haliday, 1851) [*Sydistroma*]
- germanus* (Wiedemann, 1817) [*Dolichopus*]
= *chaerophylli* (Meigen, 1824) [*Dolichopus*]
- gracilis* (Stannius, 1831) [*Dolichopus*]
= *bicolor* Schiner & alii auctt. (misident., nec Macquart, 1827)
= *bohemani* Wahlberg, 1851 [*Dolichopus*]
- infuscatus* (Stannius, 1831) [*Dolichopus*]
- metallicus* (Stannius, 1831) [*Dolichopus*]
- nanus* (Macquart, 1827) [*Dolichopus*]
= *minimus* (Zetterstedt, 1849) [*Dolichopus*]
= *angustus* (Loew, 1857) [*Gymnopternus*]
- nigritamellatus* (Macquart, 1827) [*Dolichopus*]
= *nigritamellatus* (Curtis, 1829) [*Dolichopus*]
= *atrovirens* (Loew, 1859) [*Gymnopternus*]
- nigripennis* (Fallén, 1823) [*Dolichopus*]
- nigriplantis* (Stannius, 1831) [*Dolichopus*]
= *subsimplicipes* Verrall, 1912
- nobilitatus* (Linnaeus, 1767) [*Musca*]
= *joco* (Harris, 1776) [*Musca*]
- rothi* (Zetterstedt, 1859) [*Dolichopus*]
= *praeceps* Loew, 1869
- rusticauda* (Zetterstedt, 1859) [*Dolichopus*]
- sahlbergi* (Zetterstedt, 1838) [*Dolichopus*]

^a Holotype of *D. modestus* has been examined in the collection of the Swedish Museum of Natural History, Stockholm, ♀, Sm. / Fgs. / Type. Hypopygium is not small, but hidden inside the last abdominal tergites. Pedicel is not entirely yellow, but black at distal margin dorsally. *D. simplex* is very common in Europe and in Sweden particularly.

Orthochile Latreille, 1809**nigrocoerulea Latreille, 1809**

- =*nigrocoerulescens* Staeger, 1842 [*Orthochile*]
- =*coerulea* Zetterstedt, 1843 [*Orthochile*]
- =*walkeri* Rondani, 1859 [*Orthochile*]

Sybistroma Meigen, 1824**crinipes Staeger, 1842**

- =*pectinifera* (Zeller, 1842) [*Dolichopus*]
- =*crinicauda* (Zetterstedt, 1849) [*Dolichopus*]

discipes (Germar, 1817) [Dolichopus]

- =*patellata* (Fallén, 1823) [*Dolichopus*]
- =*ventralis* (Fallén, 1823) [*Dolichopus*]
- =*patellipes* (Meigen, 1824) [*Sybistroma*]

obscura (Fallén, 1823) [Dolichopus]

- =*xanthogastra* (Meigen, 1824) [*Dolichopus*]
- =*appendiculata* (Macquart, 1827) [*Medeterus*]

Tachytrechus Haliday, 1851**ammobates (Haliday, 1851) [Dolichopus]**

- =*plumipes* (Fallén, 1823) [*Dolichopus*] (nec Scopoli, 1763)

consobrinus Haliday, 1851 [Dolichopus]**insignis (Stannius, 1831) [Ammobates]****notatus (Stannius, 1831) [Ammobates]**

- =*litoreus* (Haliday, 1833) [*Dolichopus*]
- =*beckeri* (Müller, 1923) [*Hercostomus*] (nec Lichtwardt, 1917)

oclor Loew, 1869**ripicola Loew, 1857****HYDROPHORINAE Lioy, 1864****Hydrophorus Fallén, 1823****albiceps Frey, 1915**

- =*binotatus* British authors (misident., nec Fallén, 1823, nec Zetterstedt, 1849)
- =*confusus* Frey, 1915

albostigmatus Ringdahl, 1919**alpinus Wahlberg, 1844****altivagus Aldrich, 1911**

- =*wahlgreni* Frey, 1915
- =*callosoma* Frey, 1915

balticus (Meigen, 1824) [Medeterus]

- =*chloropus* (von Roser, 1840) [*Medeterus*]

bipunctatus (Lehmann, 1822) [Dolichopus]

- =*binotatus* Fallén, 1823

borealis Loew, 1857

- =*bipunctatus* Zetterstedt, 1838 (misident., nec Lehmann, 1822)

- =*binotatus* Zetterstedt, 1849

brunnicosus Loew, 1857**callostomus Loew, 1857****freyl Stora, 1954****geminus Frey, 1915**

- =*impunctatus* Frey, 1915

litoreus Fallén, 1823

- =*aquaticus* (Meigen, 1824) [*Medeterus*]

- =*conspersus* (Haliday, 1832) [*Medeterus*]

- =*chloropus* (Zetterstedt, 1843) [*Medeterus*] (nec von Roser, 1840)

nebulosus Fallén, 1823

- =*conspersus* (Haliday, 1832) [*Medeterus*]

norvegicus Ringdahl, 1928**oceanus (Macquart, 1838) [Medeterus]**

- =*bisetus* Loew, 1857

- =*inaequalipes* Haliday, 1851 (misident., nec Macquart, 1834)

pectinatus Gerstäcker, 1864

- =*forcipatus* Frey, 1915

pillipes Frey, 1915**praecox (Lehmann, 1822) [Dolichopus]**

- =*inaequalipes* (Macquart, 1834) [*Medeterus*]

- =*schoenherri* (Zetterstedt, 1843) [*Hydrochus*]

- =*cinereus* (Perris, 1847) [*Aphrozeta*] (nec Fabricius, 1805)

- =*vagus* (Hutton, 1901) [*Liancalus*]

- =*breviventris* Becker, 1902

rogenhoferi Mik, 1874**rustbarbis Gerstäcker, 1864**

- =*micans* Frey, 1915

signifer Coquillett, 1899

- =*magnicornis* Frey, 1915

- =*kolaensis* Frey, 1915

viridis (Meigen, 1824) [Medeterus]

- =*semiglaucus* (Perris, 1850) [*Aphrozeta*]

- =*praecox* Schiner, 1862 (misident., nec Lehmann, 1822)

- =*paulosetosus* Becker, 1907

- =*beckeri* Oldenberg, 1920

Liancalus Loew, 1857**virens (Scopoli, 1763) [Musca]**

- =*regius* (Fabricius, 1805) [*Dolichopus*]

Peodes Loew, 1857**forcipatus** Loew, 1857**Scellus** Loew, 1857**dolichocerus** Gerstaecker, 1864**notatus** (Fabricius, 1781) [*Musca*]= *armiger* (Fallén, 1823) [*Hydrophorus*]**spinlmanus** (Zetterstedt, 1843.) [*Hydrophorus*]= *notatus* (Zetterstedt, 1838, p.p.) [*Hydrophorus*] (misident., nec Fabricius, 1781)**Thnophyllus** Wahlberg, 1844**flavipalpis** (Zetterstedt, 1843) [*Rhaphium*]= *neptunus* Frey, 1915**ruficornis** (Haliday, 1838) [*Medeterus*]= *maculicornis* (Zetterstedt, 1843) [*Rhaphium*]**versutus** Haliday, 1851= *maculipennis* (Strobl, 1899) [*Pseudacropsilus*]**MEDETERINAE** Lloy, 1864**Chrysotimus** Loew, 1857**flaviventris** (von Roser, 1840) [*Chrysotus*]= *concinus* (Zetterstedt, 1843) [*Chrysotus*]**molliculus** (Fallén, 1823) [*Dolichopus*]= *laetus* (Meigen, 1824) [*Chrysotus*]**Medetera** Fischer von Waldheim, 1819**abstrusa** Thunberg, 1955= *apicalis* Collin, 1941 (misident., nec Zetterstedt, 1843)**acanthura** Negrobov & Thunberg, 1970**adjaniae** Gosseries, 1989= *brevisetia* Parent, 1927 (nec Thomson, 1869)= *pinicola* Nuorteva, 1956 (misident., nec Kowarz, 1877)**ambigua** (Zetterstedt, 1843) [*Hydrophorus*]**annulitarsa** von Roser, 1840= *aenea* von Roser, 1840= *dichaeta* Kowarz, 1877**apicalis** (Zetterstedt, 1843) [*Hydrophorus*]**betulae** Ringdahl, 1949**borealis** Thunberg, 1955**cuspidata** Collin, 1941**diadema** (Linnaeus, 1767) [*Musca*]= *rostrata* (Fabricius, 1775) [*Musca*]= *carnivora* Fischer von Waldheim, 1819= *aeneivittata* (Macquart, 1827) [*Hydrophorus*]= *ehrenbergi* Becker, 1923**dichrocera** Kowarz, 1877**excellens** Frey, 1909⁹= *thunbergi* Negrobov, 1967**fasciata** Frey, 1915**glauca** Loew, 1869***gracilicauda** Parent, 1927**impigra** Collin, 1941**infumata** Loew, 1857= *muralis* (Zetterstedt, 1843) [*Hydrophorus*] (misident., nec Meigen, 1824)***inspissata** Collin, 1952**jacula** (Fallén, 1823) [*Hydrophorus*]¹⁰= *nigricans* Meigen, 1824= *truncorum* (Zetterstedt, 1838) [*Hydrophorus*] (misident., nec Meigen, 1824)= *meridionalis* Negrobov, 1967***jugalis** Collin, 1941**melancholica** Lundbeck, 1912**micacea** Loew, 1857= *jacula* (Fallén, 1823, p.p.) [*Hydrophorus*]= *apicalis* var. *b* of Zetterstedt, 1843 [*Hydrophorus*]= *acuta* Negrobov, 1966**muralis** Meigen, 1824¹¹= *jacula* (Fallén, 1823, p.p.) [*Hydrophorus*]= *melanopleura* Loew, 1857= *tertia* Becker, 1917= *belgica* Parent, 1936= *peloria* Negrobov, 1967= *kowarzi* Negrobov, 1972= *miki* Negrobov, 1972**nitida** (Macquart, 1834) [*Hydrophorus*]= *ambigua* Perris, 1870 (misident., nec Zetterstedt, 1843)= *stackelbergi* Parent, 1927**obscura** (Zetterstedt, 1838) [*Hydrophorus*]= *robusta* Loew, 1857= *robusta* Öunap, 1997 (nec Loew, 1857)⁹ Both *excellens* and *thunbergi* phenotypes are present in Sweden.¹⁰ Both *jacula* and *meridionalis* phenotypes are present in Sweden, as well as intermediate forms.¹¹ Both *muralis* and *belgica* phenotypes are present in Sweden.

- pallipes* (Zetterstedt, 1843) [*Hydrophorus*]
 = *jacula* var. *b* of Zetterstedt, 1838
 [*Hydrophorus*]
 = *murialis* Loew, 1857 (misident., nec Meigen, 1824, nec Zetterstedt, 1843)
 = *dendrophila* Bezzi, 1903
parenti Stackelberg, 1925
 = *collini* Thunberg, 1955
petrophila Kowarz, 1877¹²
 = *petrophiloides* Parent, 1925
pinicola Kowarz, 1877
 = *nuortevai* Thunberg, 1955
 = *piceae* Öunap, 1997
plumbella Meigen, 1824
 = *jacula* (Fallén, 1823, p.p.) [*Hydrophorus*]
 = *minuta* von Roser, 1840 [*Medeterus*] (nec Fabricius, 1805)
 = *minuta* (Zetterstedt, 1843) [*Hydrophorus*] (misident., nec Fabricius, 1805)
 = *minutula* Negrobov, 1991 (*nomen nudum*)
pseudoapicallis Thunberg, 1955
senicula Kowarz, 1877
setiventris Thunberg, 1955
 = *fasciata* Zinovjev, 1957 (misident., nec Frey, 1915, nec Thunberg, 1955)
signaticornis Loew, 1857
 = *subglauca* Becker, 1917
striata Parent, 1927
 = *fasciata* Thunberg, 1955 (misident., nec Frey, 1915)
tenuicauda Loew, 1857
tristis (Zetterstedt, 1838) [*Hydrophorus*]
truncorum Meigen, 1824
 = *tenuicauda* Negrobov, 1972 (misident., nec Loew, 1857)
vagans Becker, 1917
 = *fennica* Thunberg, 1955
velis Loew, 1861¹³
 = *bilineata* Frey, 1915 [as variation of *M. infumata* Loew, 1857]
 = *sphaeropyga* Negrobov, 1972
 **zinovjevi* Negrobov, 1967

Systemus Loew, 1857

- bipartitus* (Loew, 1850) [*Rhaphium*]
leucurus Loew, 1859

¹² Both *petrophila* and *petrophiloides* phenotypes are present in Sweden, as well as intermediate forms.

¹³ *M. velis* is possible synonym to *M. infumata*.

¹⁴ Both *pallipes* and *pallidus* phenotypes are present in Sweden.

- pallipes* (von Roser, 1840) [*Rhaphium*]¹⁴
 = *adpropinquans* (Loew, 1857) [*Rhaphium*]
 = *pallidus* Vaillant, 1978
scholtzi (Loew, 1850) [*Rhaphium*]
 = *alpinus* Vaillant, 1978
tener Loew, 1859

Thrypticus Gerstaecker, 1864

- atomus* Frey, 1915
 = *taeniomerus* var. *b* of Zetterstedt, 1843 (nec Meigen, 1830)
bellus Loew, 1869
 = *divisus* auctt. (misident., nec Strobl, 1880) [Bezzi, 1903]
 = *pruinus* Frey, 1957 (misident., nec Parent, 1932)
cuneatus (Becker, 1917) [*Submedeterus*]
divisus Strobl, 1880
 = *crassiseta* Oldenberg, 1916
intercedens Negrobov, 1967
 = *paludicola* Negrobov, 1971
laetus Verrall, 1912
nigricauda Wood, 1913
pollinosus Verrall, 1912
pruinus Parent, 1932
smaragdinus Gerstaecker, 1864
tarsalis Parent, 1932

Xanthochlorus Loew, 1857

- ornatus* (Haliday, 1832) [*Porphyrops*]
 = *tenellus* (Fallén, 1823) [*Dolichopus*] (misident., nec Wiedemann, 1817)
 = *ultramontanus* Becker, 1918
tenellus (Wiedemann, 1817) [*Dolichopus*]
 = *flavellus* (Zetterstedt, 1843) [*Dolichopus*]

NEURIGONINAE Aldrich, 1905

Neurigona Rondani, 1856

- abdominalis* (Fallén, 1823) [*Dolichopus*]
erichsoni (Zetterstedt, 1843) [*Dolichopus*]
pallida (Fallén, 1823) [*Dolichopus*]
 = *ochracea* (Meigen, 1824) [*Porphyrops*]
quadrifasciata (Fabricius, 1781) [*Musca*]
 = *quadrivittata* (Macquart, 1827) [*Porphyrops*]
suturalis (Fallén, 1823) [*Dolichopus*]

RHAPHIINAE Bigot, 1852

Rhaphium Meigen, 1803*albifrons* Zetterstedt, 1843= *sagax* (Gerstaecker, 1864) [*Xiphandrium*]= *brevisetia* (Becker, 1891) [*Xiphandrium*]**albomaculatum* (Becker, 1891)*appendiculatum* Zetterstedt, 1849= *anale* (Becker, 1918) [*Xiphandrium*]= *macrocerum* (Parent, 1925) [*Xiphandrium*]
(misident., nec Meigen, 1824, nec
Zetterstedt, 1843)*auctum* Loew, 1857= *spinicoxa* (Becker, 1910) [*Xiphandrium*]
(misident., nec Loew, 1850, nec Zetterstedt,
1859)*basale* Loew, 1850*calliginosum* Meigen, 1824= *zetterstedti* (Parent, 1925) [*Xiphandrium*]*commune* (Meigen, 1824) [*Porphyrops*]= *bivittatum* (von Roser, 1840) [*Porphyrops*]= *spinicoxa* Loew, 1850*confine* Zetterstedt, 1843= *rufipes* Zetterstedt, 1838 (misident., nec
Meigen, 1824)*crassipes* (Meigen, 1824) [*Porphyrops*]= *rufipes* (Meigen, 1824) [*Porphyrops*]*discigerum* Stenhammar, 1851¹⁵*discolor* Zetterstedt, 1838¹⁶= *consobrinum* Zetterstedt, 1843= *riparium* (Parent, 1925) [*Porphyrops*]
(misident., nec Meigen, 1824)*elegantulum* (Meigen, 1824) [*Porphyrops*]= *wilsoni* (Curtis, 1835) [*Porphyrops*]*fasciatum* Meigen, 1824*fascipes* (Meigen, 1824) [*Porphyrops*]= *insulsum* (Haliday, 1832) [*Perithinus*]= *latipes* (Macquart, 1827) [*Porphyrops*]*fissum* Loew, 1850= *bilamellatum* (Becker, 1918) [*Xiphandrium*]= *trifidum* (Becker, 1918) [*Xiphandrium*]*glaciale* (Ringdahl, 1920) [*Porphyrops*]*gravipes* Haliday, 1851*holmigreni* (Mik, 1878) [*Porphyrops*]= *spinicoxa* Zetterstedt, 1859 (misident., nec
Loew, 1850)= *luteipenne* (Frey, 1915) [*Porphyrops*]*lanceolatum* Loew, 1850= *caliginosum* Parent, 1925 (misident., nec
Meigen, 1824)*laticorne* (Fallén, 1823) [*Hydrochus*]= *nemorum* Meigen, 1830= *nigripes* Macquart, 1834= *subnudipes* Zetterstedt, 1859*longicorne* (Fallén, 1823) [*Hydrochus*]= *vitripenne* Meigen, 1824= *scutellatum* (Meigen, 1830) [*Porphyrops*]= *tibiale* Perris, 1852 (nec von Roser, 1840)*micans* (Meigen, 1824) [*Porphyrops*]= *simplex* (Verrall, 1876) [*Porphyrops*]*monotrichum* Loew, 1850= *laticorne* var. *b* of Fallén, 1823 [*Hydrochus*]= *macrocerum* Zetterstedt, 1843 (misident., nec
Meigen, 1824)*nasutum* (Fallén, 1823) [*Hydrochus*]= *commune* Zetterstedt, 1838 (misident., nec
Meigen, 1824)= *cylindricum* Zetterstedt, 1838= *bilineatum* Zetterstedt, 1843 [*Medeterus*] (*no
men nudum*)*nigritharbatum* (Becker, 1900) [*Porphyrops*]*patulum* (Raddatz, 1873) [*Porphyrops*]*pectinatum* (Loew, 1859) [*Porphyrops*]*pentellatum* Loew, 1850*riparium* (Meigen, 1824) [*Porphyrops*]= *praerosum* Loew, 1850= *tenuis* (Verrall, 1876) [*Porphyrops*]*rivale* (Loew, 1869) [*Porphyrops*]= *hartmannifallax* (Loew, 1869) [*Porphyrops*]= *fasciculatum* (Strobl, 1898) [*Porphyrops*]*tridactylum* (Frey, 1915) [*Porphyrops*]*umbripenne* (Frey, 1915) [*Xiphandrium*]**viklundti* Grichanov, 2003

¹⁵ Type material examined [ZMU]. Lectotype [here designated]. B&U, Uppsala Univ. Zool. Mus., Typsamlingen, nr. 1587b, *Rhaphium discigerum* Stenhammar [red label] / *Porphyrops discigera* Stenh., Det. L. Hedström; Paralectotypes: 1 ♂, 1 ♀, same labels with coll. Nrs. 1587a & 1587c.

Remark. Lectotype and paralectotypes are here designated in order to promote stability of nomenclature. Type material corresponds to original description of *Porphyrops discigera* by Stenhammar (1850) and redescription of *Rhaphium discigerum* given by Negrobov (1979). Syntypes have been found in the Stenhammar's Collection together with female holotype of *Dolichopus pectinatis* Stenhammar.

¹⁶ *R. discolor* Zetterstedt, 1838 was in error placed in synonymy to *R. consobrinum* Zetterstedt, 1843 (Grichanov, 2002). The first name has apparently priority against the second one.

SCIAPODINAE Becker, 1917

Sciapus Zeller, 1842

- basillicus* Meuffels & Grootaert, 1990
longulus (Fallén, 1823) [*Leptopus*]
 = *lugens* (Meigen, 1824) [*Psilopus*]
 = *obscurus* (Meigen, 1824) [*Psilopus*]
maritimus Becker, 1918
 = *contristans* (Zetterstedt, 1855) [*Psilopus*]
 (misident., nec Wiedemann, 1817)
 = *flavomaculatus* Ringdahl, 1949
platypterus (Fabricius, 1805) [*Dolichopus*]
 = *tipularius* (Fallén, 1823) [*Leptopus*]
 = *crinipes* (Meigen, 1830) [*Psilopus*]
spiniger (Zetterstedt, 1859) [*Psilopus*]
wiedemannii (Fallén, 1823) [*Leptopus*]
 = *contristans* (Meigen, 1824) [*Psilopus*]
 (misident., nec Wiedemann, 1817)
zonatulus (Zetterstedt, 1843) [*Psilopus*]
 = *contristans* (Fallén, 1823) [*Leptopus*]
 (misident., nec Wiedemann, 1817)

SYMPYCNINAE Aldrich, 1905

Campsicnemus Haliday, 1851

- alpinus* (Haliday, 1833) [*Medeterus* (*Camptosceles*)]
 = *punctipennis* (Zetterstedt, 1849) [*Dolichopus*]
 = *pictipennis* (Boheman, 1853) [*Medeterus*]
 = *guttipennis* (Zetterstedt, 1855) [*Dolichopus*]
armatus (Zetterstedt, 1849) [*Dolichopus*]
 = *prodromus* (Haliday, 1832) [*Camptosceles*]
 (nec Meigen, 1824)
 = *pectinifer* De Meijere, 1907
articulatellus (Zetterstedt, 1843) [*Dolichopus*]
 = *pilosellus* (Zetterstedt, 1843) [*Dolichopus*]
 = *atomus* (Zetterstedt, 1849) [*Dolichopus*]
 = *dasycnemus* Loew, 1857
 = *perforatus* Raddatz, 1873
compeditus Loew, 1857
curvipes (Fallén, 1823) [*Dolichopus*]
 = *fuscipennis* (Macquart, 1839) [*Medeterus*]
 = *ciliatibius* (von Roser, 1840) [*Dolichopus*]
femoratus Ringdahl, 1949
loripes (Haliday, 1832) [*Medeterus* (*Camptosceles*)]
 = *femoralis* (Zetterstedt, 1843) [*Dolichopus*]
 = *armipes* (Zetterstedt, 1843) [*Medeterus*]
lumbatus Loew, 1857
marginalis Loew, 1857
paradoxus (Wahlberg, 1844) [*Dolichopus*]

- picticornis* (Zetterstedt, 1843) [*Dolichopus*]
 = *varicornis* Loew, 1864
 = *canzonerii* Rampini, 1975
pumillo (Zetterstedt, 1843) [*Dolichopus*]
 = *pectinulatus* Loew, 1864
pusillus (Meigen, 1824) [*Medeterus*]
 = *platypus* Loew, 1857
scambus (Fallén, 1823) [*Dolichopus*]
 = *prodromus* (Meigen, 1824) [*Medeterus*]
 = *clavitibius* (von Roser, 1840) [*Dolichopus*]

Lamprochromus Mik, 1878

- bifusclatus* (Macquart, 1827) [*Medeterus*]
 = *elegans* (Meigen, 1830) [*Chrysotus*]
 = *bifasciellus* (Zetterstedt, 1843) [*Dolichopus*]
 = *semiflavus* (Strobl, 1880) [*Diaphorus*]

Micromorphus Mik, 1878

- albipes* (Zetterstedt, 1843) [*Hydrophorus*]
 = *bellus* Strobl, 1880 (*Thrypticus*) (nec Loew, 1869)
 * *mesasiaticus* Negrobov, 2000

Sympycnus Loew, 1857

- aenelcoxa* (Meigen, 1824) [*Porphyrops*]
 = *brevicornis* (Zetterstedt, 1843) [*Dolichopus*]
 = *nigritibialis* (Zetterstedt, 1855) [*Dolichopus*]
brevimanus Loew, 1857
 = *plantaris* Gerstäcker, 1864
pulicarius (Fallén, 1823) [*Dolichopus*]¹⁷
 = *annulipes* (Meigen, 1824) [*Porphyrops*]
 = *pygmaeus* (Macquart, 1827) [*Medeterus*]
 = *cinerellus* (Zetterstedt, 1838) [*Chrysotus*]
 = *desouteri* Parent, 1925
spiculatus Gerstäcker, 1864

Syntormon Loew, 1857

- aulicus* (Meigen, 1824) [*Porphyrops*]
 = *calcaratus* (Becker, 1907) [*Drymonoeca*]
bicolorrellus (Zetterstedt, 1843) [*Dolichopus*]
 = *luteicornis* Blackith et al., 1990 (misident., nec Parent, 1927)

¹⁷ Both *pulicarius* and *desouteri* phenotypes are present in Sweden, as well as intermediate forms.

denticulatus (Zetterstedt, 1843) [*Rhaphium*]
 =*aculeatus* (Zetterstedt, 1843) [*Rhaphium*]
 =*biseriatus* (Loew, 1850) [*Rhaphium*]
 =*pumilus* Parent, 1925 (misident., nec Meigen, 1824)

filiger Verrall, 1912

=*rufipes* (Zetterstedt, 1849) [*Rhaphium*]
 (misident., nec Meigen, 1824; nec Zetterstedt, 1838)

=*obscurifrons* Parent, 1932

fuscipes (von Roser, 1840) [*Porphyrops*]

=*spicatus* (Loew, 1857) [*Rhaphium*]

metathesis (Loew, 1850) [*Rhaphium*]

=*simplicipes* Frey, 1915

miki Strobl, 1899

monilis (Haliday, 1851) [*Rhaphium*]

pallipes (Fabricius, 1794) [*Musca*]¹⁸

=*hamatus* (Zetterstedt, 1843) [*Rhaphium*]

=*pseudospicatus* Strobl, 1899

=*immaculatus* Santos Abreu, 1929

pumilus (Meigen, 1824) [*Porphyrops*]

=*rufipes* (Meigen, 1824) [*Rhaphium*]

=*longiseta* (Zetterstedt, 1843) [*Rhaphium*]

=*pumilio* (Zetterstedt, 1859) [*Rhaphium*]

=*pusillus* (Zetterstedt, 1859) [*Rhaphium*]

=*tridens* (Becker, 1918) [*Xiphandrium*]

punctatus (Zetterstedt, 1843) [*Rhaphium*]

=*bisetosus* Becker, 1918

subnervis (Loew, 1869) [*Synarthrus*]

tarsatus (Fallén, 1823) [*Hydrochus*]

=*gratiosus* (Meigen, 1824) [*Dolichopus*]

=*palmipes* (Meigen, 1824) [*Porphyrops*]

=*vittatus* (Macquart, 1834) [*Porphyrops*]

=*obscurus* (Zetterstedt, 1838) [*Dolichopus*]

Telmaturgus Mik, 1874

tumidulus (Raddatz, 1873) [*Sympycnus*]

¹⁸ Both *pallipes* and *pseudospicatus* phenotypes are present in Sweden.

Teuchophorus Loew, 1857

monacanthus Loew, 1859

nigricosta (von Roser, 1840) [*Chrysotus*]

=*signatus* (Zetterstedt, 1849) [*Chrysotus*]

=*pectinifer* Kowarz, 1868:218,

spinigerellus (Zetterstedt, 1843) [*Dolichopus*]

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References

- Grichanov, I. Ya. 2002. A checklist of Swedish Dolichopodidae (Diptera). *Ent. Tidskr.* 123(3): 119-130.
 Grichanov, I. Ya. 2003. A list of Dolichopodidae from the Tyresta National Park, Sweden, with description of a new species of the genus *Rhaphium* Meigen (Diptera). *Zoosystematica Rossica*, 12(2).

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