

A Check list of Swedish Dolichopodidae (Diptera)

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A checklist of Swedish Dolichopodidae is presented including a total of 321 species, 12 of which are new Swedish records. Lectotypes and paralectotypes are designated for 10 species, and 11 new synonyms are proposed.

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Introduction

The Dolichopodidae fauna of the world is very large, with approximately 6500 described species and 200 genera. These, mostly predatory flies are distributed throughout the world including the tropics and high-latitude islands and territories. In Sweden adults and larvae of almost all species of long-legged flies (dolichopodids) are predators inhabiting moist substrata. Small-sized species may be saprophages in the larval stage. Species of only one genus (*Thrypticus*) are known to be phytophages living inside stems of cereal grasses. Most of the numerous species of the cosmopolitan genus *Medetera* are associated with tree trunks, especially in boreal forests, where their larvae are predacious mainly on bark-beetles (Coleoptera).

Recently check lists of dolichopodids have been compiled or revised for several European countries (e.g., Olejnik, 1997; Chandler, 1998; Bellstedt et al., 1999). The last Swedish check list of 265 species was published by Ringdahl (1928), who later added many new species to the Swedish fauna and compiled an unpublished list of species for the country in 1954 (Ringdahl's manuscript deposited in Lund Zoological Museum). The systematics of the family has changed considerably since the works of Ringdahl, and several more species have been found in Sweden

(Hedström, 1966a,b; Weslien, 1992; Andersson, 1999). Many species have been renamed or their names placed in synonymy.

Below is given a revised checklist of Swedish Dolichopodidae with new records based on the collections of the Lund Zoological Museum. So far about 320 species are known for Sweden. The expanded (but not complete) synonymy is given here because the majority of the old names have been used in the Swedish literature, and a number of synonyms have been used in the basic British, French, German and Russian manuals and keys to species of Dolichopodidae. Many old European names were proposed without giving a type locality for the species. It should be mentioned that the non-type collection of Zetterstedt still has not been fully revised. Several old species are known by females only and there are some doubtful records of Dolichopodidae from the country, which means that adjustments to the list should be anticipated. There are species to be excluded from the Swedish fauna in future. At the same time a few species described from neighbouring Nordic countries may be found in Sweden as well. Species marked with an asterisk (*) in the list below are recorded for Sweden for the first time. The material of all newly recorded species is deposited in Lund Zoological Museum

[MZLU] and will be published separately (see also web site of the Zoological Museum: <http://darwin.biol.lu.se/systzool/zoomus/index.html>). The following new synonymies are proposed in this paper:

- Dolichopus micropygus* Wahlberg, 1850
Dolichopus brachyurus Zetterstedt, 1859, **syn.n.**
Dolichopus vitripennis Meigen, 1824
Dolichopus brachycerus Zetterstedt, 1843, **syn.n.**
Medetera excellens Frey, 1909
Medetera thunebergi Negrobov, 1967, **syn.n.**
Medetera jacula (Fallén, 1823)
Medetera meridionalis Negrobov, 1967, **syn.n.**
Medetera muralis Meigen, 1824
Medetera belgica Parent, 1936, **syn.n.**
Medetera peloria Negrobov, 1967, **syn.n.**
Medetera kowarzi Negrobov in Negrobov & Stackelberg, 1972, **syn.n.**
Medetera miki Negrobov in Negrobov & Stackelberg, 1972, **syn.n.**
Medetera obscura (Zetterstedt, 1838)
Medetera robusta Öunap, 1997 (nec Loew, 1857), **syn.n.**
Medetera petrophila Kowarz, 1877
Medetera petrophiloides Parent, 1925, **syn.n.**
Medetera pinicola Kowarz, 1877
Medetera piceae Öunap, 1997, **syn.n.**

Lectotypes and paralectotypes are designated here for *Argyra subarctica* Ringdahl, *Dolichopus annulitarsis* Ringdahl, *D. brachycerus* Zetterstedt, *D. inconspicuus* Zetterstedt, *D. rothi* Zetterstedt, *Hydrophorus albosignatus* Ringdahl, *H. norvegicus* Ringdahl, *Medetera betulae* Ringdahl, *Porphyrops glacialis* Ringdahl and *Sciapus flavomaculatus* Ringdahl. Subfamilies and genera within subfamilies are given in alphabetical order. Genera are not divided here into subgenera, although the author of this paper considers many of them as monophyletic taxa of intrageneric rank. In some disputable cases, the author follows usually (but not always) Chandler (1998) or Meuffels (1999). The present list differs from the British list in transferring *Chrysotimus* and *Xanthochlorus* to the Medeterinae because they appear closely related to some recently described tropical medeterine genera. Bibliography includes mainly works published after the Catalogue of Palaearctic Diptera (Negrobov, 1991). Any correction and supplement to this list will be welcomed.

ACHALCINAE Grootaert & Meuffels, 1997

Achalca Loew, 1857

- cinereus* (Haliday, 1851) [*Rhaphium*]
 = *pygmaeus* (Zetterstedt, 1855) [*Rhaphium*]
flavicolis (Meigen, 1824) [*Porphyrops*]
 = *pallidus* (Zetterstedt, 1843) [*Rhaphium*]
melanotrichis Mik, 1878

DIAPHORINAE Schiner, 1864

Argyra Macquart, 1834

- argentina* (Meigen, 1824) [*Porphyrops*]
 = *geniculata* (Schummel, 1837) [*Porphyrops*]
argyria (Meigen, 1824) [*Porphyrops*]
 = *argentata* Macquart, 1834
 = *argentella* (Zetterstedt, 1843) [*Dolichopus*]
 = *divergens* Parent, 1926
auricollis (Meigen, 1824) [*Porphyrops*]
 = *pellucens* var. B (Fallén, 1823) [*Dolichopus*]
diaphana (Fabricius, 1775) [*Musca*]
 = *lutea* (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*] (nec Fallén, 1823)
 = *diaphana* (Meigen, 1824) [*Porphyrops*] (nec Fabricius, 1775, nec Fabricius, 1805, nec Fallén, 1823)
 = *fulviventrus* Macquart, 1827 [*Medeterus*]
 = *fulgens* (Haliday, 1832) [*Porphyrops*]
loewi Kowarz, 1879
magnicornis (Zetterstedt, 1838) [*Dolichopus*]
 = *aristata* Gerstäcker, 1864
setimana Loew, 1859
spoliata Kowarz, 1879
subarctica Ringdahl, 1920⁽¹⁾
vestita (Wiedemann, 1817) [*Dolichopus*]

Chrysotus Meigen, 1824

*blepharoscetes Kowarz, 1874

- cilipes* 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 (nec Fabricius, 1794; nec Meigen, 1824)

- =*facialis* Gerstäcker, 1864
 =*microcerus* Kowarz, 1874
 =*varians* Kowarz, 1874
 =*angulicornis* Kowarz, 1874
 =*andorrensis* Parent, 1938
 =*arvernicus* 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
 =*obscurellus* Zetterstedt, 1838
 =*obscuripes* Zetterstedt, 1843 [*Chrysotus*] (nec Zetterstedt, 1838)
 =*sokolovi* Stackelberg, 1928
oculatus (Fallén, 1823) [*Dolichopus*]
 =*flavocinctus* Meigen, 1824
 =*tuberculatus* (Meigen, 1824) [*Dolichopus*]
 =*bimaculatus* Macquart, 1827
 =*hoffmannseggii* Macquart, 1834 [*Diaphora*] (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⁽²⁾
agilis Meigen, 1824
albifrons Loew, 1859
 =*latilimbatus* Wahlberg, 1850 (nec Macquart, 1827)
annulipes Zetterstedt, 1838
 =*stenhammari* Zetterstedt, 1843
annulitarsis Ringdahl, 1920⁽³⁾
apicalis Zetterstedt, 1849
arbustorum Stannius, 1831
 =*pallidicoxa* von Roser, 1840
argyrotarsis Wahlberg, 1850
armillatus Wahlberg, 1850
 =*stenhammari* (var. b) Zetterstedt, 1843
atripes Meigen, 1824
atritibialis Zetterstedt, 1859
austriacus Parent, 1927
bonsdorffi Frey, 1915
brevipennis Meigen, 1824
 =*plumitarsis*, var. â, Fallén, 1823
caligatus Wahlberg, 1850
 =*flavipes* Parent, 1938 (nec Stannius, 1831)
calinotus Loew, 1871
campestris Meigen, 1824
cilifemoratus Macquart, 1827
 =*macquarti* Parent, 1926 (nec Staeger, 1842)
 =*pseudocilifemoratus* Stackelberg, 1933
cinctipes Wahlberg, 1850
claviger Stannius, 1831
clavipes Haliday, 1832
 =*trochanteratus* Zetterstedt, 1843
 =*fuscipes* Haliday, 1832
 =*vitripennis* Staeger, 1842 (nec Meigen, 1824)
consimilis Wahlberg, 1850
costalis Frey, 1915
cruralis Wahlberg, 1850
 =*lapponicus* Becker, 1917
diadema Haliday, 1832
discifer Stannius, 1831
 =*patellatus* Meigen, 1824 (nec Fallén, 1823)
 =*confusus* Zetterstedt, 1838 nec 1843
 =*nigricornis* Becker, 1917 et auctt. (nec Meigen, 1824)
discimanus Wahlberg, 1851
 =*discifer* (var. b) Zetterstedt, 1849 (nec Stannius, 1831)
 =*mucronatus* Becker, 1917
exiguus Zetterstedt, 1843⁽⁴⁾
festivus Haliday, 1832
 =*cilifemoratus* Stannius, 1831 (nec Macquart, 1827)
 =*macquarti* Staeger, 1842
fraterculus Zetterstedt, 1843
fulgidus Fallén, 1823⁽⁵⁾
grandicornis Wahlberg, 1850
griseipennis Stannius, 1831
 =*nitidus* Macquart, 1827 (nec Fallén, 1823)
 =*subrutilus* Zetterstedt, 1859
hilaris Loew, 1862
inconspicuus Zetterstedt, 1843⁽⁶⁾
lancearius Hedström, 1966
latilimbatus Macquart, 1827
 =*vulgaris* Stannius, 1831

- latipennis** Fallén, 1823
lepidus Staeger, 1842
 = *tibialis* Zetterstedt, 1838
 = *dissimilipes* Zetterstedt, 1843
 = *geniculatus* Zetterstedt, 1843 (nec Stannius, 1831)
 = *picipes* Haliday, 1851 (nec Meigen, 1824)
linearis Meigen, 1824
 = *agilis* Zetterstedt, nec Meigen, 1824
 = *plebeius* Meigen, 1824
 = *parvulus* Zetterstedt, 1843
lineatocornis Zetterstedt, 1843⁽⁷⁾
 = *fallaciosus* Gerstaecker, 1864
litorellus Zetterstedt, 1852
longicornis Stannius, 1831
 = *acuticornis* Fallén, 1823 [p.p.] [et alii auctores nec Wiedemann, 1817]
longitarsis 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
mediicornis Verrall, 1875
meigeni Loew, 1857
melanopus Meigen, 1824
micropygus Wahlberg, 1850⁽²⁾
 = *brachyurus* Zetterstedt, 1859⁽⁸⁾, syn.nov.
migrans Zetterstedt, 1843
 = *confusus* Zetterstedt, 1843 nec 1838
 = *patellatus* Stannius, 1831 (nec Fallén, 1823, nec Meigen, 1824)
modestus Wahlberg, 1850
nigripes Fallén, 1823
 = *melanopus* Stannius, 1831 (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^(2,7)
pectinitarsis Stenhammar, 1851^(2,9)
pennatus Meigen, 1824
 = *popularis* Fallén, 1823 (nec Wiedemann, 1817)
 = *signatus* Staeger, 1842 (nec Meigen, 1824)
picipes Meigen, 1824
 = *cyaneus* Meigen, 1824
 = *fastuosus* Haliday, 1823
planitarsis Fallén, 1823
plumipes (Scopoli, 1763) [*Musca*]
 = *pennitarsis* Fallén, 1823
 = *planitarsis* Meigen, 1824 (nec Fallén, 1823)
plumitarsis Fallén, 1823
popularis Wiedemann, 1817
propinquus Zetterstedt, 1852
 = *affinis* Wahlberg, 1850 (nec Walker, 1849)
pseudomigrans Ringdahl, 1928
 = *migrans* Becker, 1917 (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 (nec Meigen, 1824)
simplex Meigen, 1824
 = *thalassinus* Haliday, 1832
 = *vicinus* Macquart, 1834
spretus Loew, 1871
***subpennatus** d'Assis Fonseca, 1976
tanythrix Loew, 1869
trivialis Haliday, 1832
 = *intermedius* Staeger, 1842
 = *camptopus* Parent, 1913
 = *cilifemoratus* Parent, 1926 (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
 = *arbustorum* Zetterstedt, 1843 (nec Stannius, 1831)
vitripennis Meigen, 1824
 = *tibiellus* Zetterstedt, 1843
 = *brachycerus* Zetterstedt, 1843⁽¹⁰⁾, syn.nov.
 = *braueri* Nowicki, 1867
wahlbergi Zetterstedt, 1843
zetterstedti Stenhammar, 1852

Hercostomus Loew, 1857
aerosus (Fallén, 1823) [*Dolichopus*]
 = *rhapthioides* (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 auct. (nec Macquart, 1827)
 =*bohmani* Wahlberg, 1851 [*Dolichopus*]
infuscatus (Stannius, 1831) [*Dolichopus*]
metallicus (Stannius, 1831) [*Dolichopus*]
nanus (Macquart, 1827) [*Dolichopus*]
 =*minimus* (Zetterstedt, 1849) [*Dolichopus*]
 =*angustus* (Loew, 1857) [*Gymnopternus*]
nigrilamellatus (Macquart, 1827) [*Dolichopus*]
 =*nigrimaculatus* (Curtis, 1829) [*Dolichopus*]
 =*atrovirens* (Loew, 1859) [*Gymnopternus*]
nigripennis (Fallén, 1823) [*Dolichopus*]
nigriplantis (Stannius, 1831) [*Dolichopus*]
 =*subsimplicipes* Verrall, 1912
rothi (Zetterstedt, 1859) [*Dolichopus*]⁽¹¹⁾
 =*praeceps* Loew, 1869
nobilitatus (Linnaeus, 1767) [*Musca*]
 =*joco* (Harris, 1776) [*Musca*]
ruficauda (Zetterstedt, 1859) [*Dolichopus*]⁽¹²⁾
sahlbergi (Zetterstedt, 1838) [*Dolichopus*]

Orthochile Latreille, 1809

nigrocoerulea Latreille, 1809
 =*nigrocoerulescens* Staeger, 1842 [*Orthochile*]
 =*coerulea* Zetterstedt, 1843 [*Orthochile*]
 =*walkeri* Rondani, 1859 [*Orthochile*]

Sydistroma Meigen, 1824

crinipes Staeger, 1842
 =*pectinifera* (Zeller, 1842) [*Dolichopus*]
 =*crinicauda* (Zetterstedt, 1849) [*Dolichopus*]
discipes (Germer, 1817) [*Dolichopus*]
 =*patellata* (Fallén, 1823) [*Dolichopus*]
 =*ventralis* (Fallén, 1823) [*Dolichopus*]
 =*patellipes* (Meigen, 1824) [*Sydistroma*]

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)
ocior Loew, 1869
ripicola Loew, 1857

HYDROPHORINAE Lioy, 1864**Hydrophorus Fallén, 1823**

albiceps Frey, 1915
 =*binotatus* British authors (nec Fallén, 1823, nec Zetterstedt, 1849)
 =*confusus* Frey, 1915
albosignatus Ringdahl, 1919⁽¹³⁾
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 (nec Lehmann, 1822)
 =*binotatus* Zetterstedt, 1849
brunnicosus Loew, 1857
callostomus Loew, 1857
freyi Storå, 1954
 =*impunctatus* Frey, 1915
geminus 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⁽¹⁴⁾
oceanus (Macquart, 1838) [*Medeterus*]
 =*bisetus* Loew, 1857
 =*inaequalipes* Haliday, 1851 (nec Macquart, 1834)
pectinatus Gerstäcker, 1864
 =*forcipatus* Frey, 1915
pilipes 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
- =*monodi* Couturier, 1985
- rogenhoferi** Mik, 1874
- rufibarbis** 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 (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** Gerstäcker, 1864
- notatus** (Fabricius, 1781) [*Musca*]
- =*armiger* (Fallén, 1823) [*Hydrophorus*]
- spinimanus** (Zetterstedt, 1843.) [*Hydrophorus*]
- =*notatus* (Zetterstedt, 1838, p.p.) [*Hydrophorus*]
- (nec Fabricius, 1781)

Thinophilus Wahlberg, 1844

- flavipalpis** (Zetterstedt, 1843) [*Rhaphium*]
- ruficornis** (Haliday, 1838) [*Medeterus*]
- =*maculicornis* (Zetterstedt, 1843) [*Rhaphium*]
- versutus** Haliday, 1851
- =*maculipennis* (Strobl, 1899) [*Pseudacropsilus*]

MEDETERINAE Lioy, 1864**Chrysotimus** Loew, 1857

- flaviventris** (von Roser, 1850) [*Chrysotus*]
- =*concinus* (Zetterstedt, 1843) [*Chrysotus*]
- molliculus** (Fallén, 1823) [*Dolichopus*]
- =*laetus* (Meigen, 1824) [*Chrysotus*]

Medetera Fischer von Waldheim, 1819

- abstrusa** Thunberg, 1955
- =*apicalis* Collin, 1941 (nec Zetterstedt, 1843)
- acanthura** Negrobov & Thunberg, 1970
- adjaniae** Gossier, 1989⁽¹⁵⁾
- =*brevistata* Parent, 1927 (nec Thomson, 1869)
- =*pinicola* Nuorteva, 1956 (nec Kowarz, 1877)
- ambigua** (Zetterstedt, 1843) [*Hydrophorus*]

annulitarsa von Roser, 1840

- =*aenea* von Roser, 1840
- =*dichaeta* Kowarz, 1877
- apicalis** (Zetterstedt, 1843) [*Hydrophorus*]
- =*aurivittata* Wheeler, 1899
- =*caerulescens* Malloch, 1919
- =*frontalis* Van Duzee, 1919
- =*distincta* Van Duzee, 1919
- =*bicolor* Van Duzee, 1923 (nec Meigen, 1838)
- =*parva* Van Duzee, 1923
- =*ciliata* Van Duzee, 1928
- =*venata* Curran, 1928
- =*simplicipes* Curran, 1928
- =*orbiculata* Van Duzee, 1932
- =*albiciliata* Van Duzee, 1933
- =*arctica* Van Duzee, 1933

betulae Ringdahl, 1949⁽¹⁶⁾**borealis** Thunberg, 1955**cuspidata** Collin, 1941**diadema** (Linnaeus, 1767) [*Musca*]

- =*rostrata* (Fabricius, 1775) [*Musca*]
- =*carnivora* Fischer von Waldheim, 1819
- =*aeneivittata* (Macquart, 1827) [*Hydrophorus*]
- =*princeps* Wheeler, 1899
- =*ehrenbergi* Becker, 1923

dichrocera Kowarz, 1877**excellens** Frey, 1909

- =*thunbergi* Negrobov, 1967, syn.nov.⁽¹⁷⁾

fasciata Frey, 1915**glaucia** Loew, 1869**impigra** Collin, 1941**infumata** Loew, 1857

- =*muralis* (Zetterstedt, 1843) [*Hydrophorus*] (nec Meigen, 1824)

jacula (Fallén, 1823) [*Hydrophorus*]

- =*nigricans* Meigen, 1824
- =*truncorum* (Zetterstedt, 1838) [*Hydrophorus*]
- (nec Meigen, 1824)
- =*meridionalis* Negrobov, 1967, syn.nov.⁽¹⁸⁾

melancholica Lundbeck, 1912**micacea** Loew, 1857

- =*jacula* (Fallén, 1823, p.p.) [*Hydrophorus*]
- =*apicalis* var.b (Zetterstedt, 1843) [*Hydrophorus*]
- =*acuta* Negrobov, 1966

muralis Meigen, 1824

- =*jacula* (Fallén, 1823, p.p.) [*Hydrophorus*]
- =*melanopleura* Loew, 1857
- =*tertia* Becker, 1917
- =*belgica* Parent, 1936, syn.nov.⁽¹⁹⁾
- =*peloria* Negrobov, 1967, syn.nov.⁽¹⁹⁾
- =*kowarzi* Negrobov, 1972, syn.nov.⁽¹⁹⁾
- =*miki* Negrobov, 1972, syn.nov.⁽¹⁹⁾

nitida (Macquart, 1834) [*Hydrophorus*]

- =*ambigua* Perris, 1870 (nec Zetterstedt, 1843)
- =*stackelbergi* Parent, 1927

obscura (Zetterstedt, 1838) [*Hydrophorus*]

- =*robusta* Loew, 1857

- =*robusta* Öunap, 1997 (nec Loew, 1857),
 syn.nov.⁽²⁰⁾
pallipes (Zetterstedt, 1843) [*Hydrophorus*]
 =*jacula* var. b (Zetterstedt, 1838) [*Hydrophorus*]
 =*muralis* Loew, 1857 (nec Meigen, 1824, nec Zet-
 terstedt, 1843)
 =*dendrophila* Bezzi, 1903
parenti Stackelberg, 1925
 =*collini* Thuneberg, 1955
petrophila Kowarz, 1877
 =*petrophiloides* Parent, 1925, syn.nov.⁽²¹⁾
pinicola Kowarz, 1877
 =*nuortevai* Thuneberg, 1955
 =*piceae* Öunap, 1997, syn.nov.⁽²²⁾
plumbella Meigen, 1824
 =*jacula* (Fallén, 1823, p.p.) [*Hydrophorus*]
 =*minuta* von Roser, 1840 [*Medeterus*] (nec Fabri-
 cius, 1805)
 =*minuta* (Zetterstedt, 1843) [*Hydrophorus*] (nec
 Fabricius, 1805)
 =*minutula* Negrobov, 1991 (*nomen nudum*)
pseudoapicalis Thuneberg, 1955
***senicula** Kowarz, 1877
setiventris Thuneberg, 1955
 =*fasciata* Zinovjev, 1957 (nec Frey, 1915, nec
 Thuneberg, 1955)
signaticornis Loew, 1857
 =*subglauca* Becker, 1917
 =*viridifacies* Van Duzee, 1923
 =*trisetosa* Van Duzee, 1925
 =*vanduzeei* Curran, 1928
striata Parent, 1927
 =*fasciata* Thuneberg, 1955 (nec Frey, 1915)
tenuicauda Loew, 1857
tristis (Zetterstedt, 1838) [*Hydrophorus*]
truncorum Meigen, 1824
 =*tenuicauda* Negrobov, 1972 (nec Loew, 1857)
vagans Becker, 1917
 =*fennica* Thuneberg, 1955
veles Loew, 1861
 =*appendiculata* Wheeler, 1899 (nec Macquart,
 1827)
 =*bilineata* Frey, 1915 [as variation of *M. infumata*
 Loew, 1857]
 =*intermedia* Van Duzee, 1928
 =*albasetosa* Van Duzee, 1928
 =*wheeleri* Foote, Coulson & Robinson, 1965
 =*sphaeropyga* Negrobov, 1972

Systemus Loew, 1857**bipartitus** (Loew, 1850) [*Rhaphium*]**leucurus** Loew, 1859**pallipes** (von Roser, 1840) [*Rhaphium*]⁽²³⁾= *adpropinquans* (Loew, 1857) [*Rhaphium*]= *pallidus* Vaillant, 1978**scholtzi** (Loew, 1850) [*Rhaphium*]= *alpinus* Vaillant, 1978**tener** Loew, 1859⁽²⁴⁾**Thrypticus** Gerstaecker, 1864**atomus** Frey, 1915= *taeniomerus* (var. b) Zetterstedt, 1843 (nec Mei-
 gen, 1830)**bellus** Loew, 1869= *divisus* auctt. (nec Strobl, 1880) [Bezzi, 1903]= *pruinus* Frey, 1957 (nec Parent, 1932)**cuneatus** (Becker, 1917) [*Submedeterus*]**divisus** Strobl, 1880= *crassisetia* Oldenberg, 1916***intercedens** Negrobov, 1967⁽²⁵⁾= *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*] (nec Wie-
 demann, 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*]**appendiculatum** Zetterstedt, 1849= *anale* (Becker, 1918) [*Xiphandrium*]= *macrocerum* (Parent, 1925) [*Xiphandrium*] (nec

Meigen, 1824, nec Zetterstedt, 1843)

auctum Loew, 1857= *spinicoxa* (Becker, 1910) [*Xiphandrium*] (nec
 Loew, 1850, nec Zetterstedt, 1859)**basale** Loew, 1850**caliginosus** Meigen, 1824= *zetterstedti* (Parent, 1925) [*Xiphandrium*]**commune** (Meigen, 1824) [*Porphyrops*]= *bivittatum* (von Roser, 1840) [*Porphyrops*]= *spinicoxa* Loew, 1850

confine Zetterstedt, 1843
 =*rufipes* Zetterstedt, 1838 (nec Meigen, 1824)
consobrinum Zetterstedt, 1843
 =*discolor* Zetterstedt, 1838
 =*riparium* (Parent, 1925) [*Porphyrops*] (nec Meigen, 1824)
crassipes (Meigen, 1824) [*Porphyrops*]
 =*rufipes* (Meigen, 1824) [*Porphyrops*]
discigerum Stenhammar, 1851
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*]⁽²⁶⁾
 ***gravipes** Haliday, 1851
holmgreni (Mik, 1878) [*Porphyrops*]
 =*spinicoxa* Zetterstedt, 1859 (nec Loew, 1850)
 =*luteipenne* (Frey, 1915) [*Porphyrops*]
lanceolatum Loew, 1850
 =*caliginosum* Parent, 1925 (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 (Fallén, 1823) [*Hydrochus*]
 =*macrocerum* Zetterstedt, 1843 (nec Meigen, 1824)
nasutum (Fallén, 1823) [*Hydrochus*]
 =*commune* Zetterstedt, 1838 (nec Meigen, 1824)
 =*cylindricum* Zetterstedt, 1838
 =*bilineatum* Zetterstedt, 1843 [*Medeterus*] (nomen nudum)
nigribarbatum (Becker, 1900) [*Porphyrops*]
patulum (Raddatz, 1873) [*Porphyrops*]
pectinatum (Loew, 1859) [*Porphyrops*]
penicillatum 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*]

SCIAPODINAE Becker, 1917

Sciapus Zeller, 1842

=*Leptopus* Fallén, 1823:23, preoccupied by Latreille, 1809. Type species *Leptopus tipularius* Fallén, 1823:23 [(= *Sciapus platypterus* (Fabricius, 1805)), here designated.
basilicus Meuffels & Grootaert, 1990
longulus (Fallén, 1823) [*Leptopus*]
 =*lugens* (Meigen, 1824) [*Psilopus*]
 =*obscurus* (Meigen, 1824) [*Psilopus*]
maritimus Becker, 1918
 =*contristans* (Zetterstedt, 1855) [*Psilopus*] (nec Wiedemann, 1817)
 =*flavomaculatus* Ringdahl, 1949⁽²⁷⁾
platypterus (Fabricius, 1805) [*Dolichopus*]
 =*tipularius* (Fallén, 1823) [*Leptopus*]
 =*crinipes* (Meigen, 1830) [*Psilopus*]
spiniger (Zetterstedt, 1859) [*Psilopus*]
wiedemanni (Fallén, 1823) [*Leptopus*]
 =*contristans* (Meigen, 1824) [*Psilopus*] (nec Wiedemann, 1817)
zonatulus (Zetterstedt, 1843) [*Psilopus*]
 =*contristans* (Fallén, 1823) [*Leptopus*] (nec Wiedemann, 1817)

SYMPYCININAE 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*]
 =*cilitibius* (von Roser, 1840) [*Dolichopus*]
femoratus Ringdahl, 1949
loripes (Haliday, 1832) [*Medeterus* (*Camptosceles*)]
 =*femoralis* (Zetterstedt, 1843) [*Dolichopus*]
 =*armipes* (Zetterstedt, 1843) [*Medeterus*]
lumbatus Loew, 1857
marginatus Loew, 1857
paradoxus (Wahlberg, 1844) [*Dolichopus*]
picticornis (Zetterstedt, 1843) [*Dolichopus*]
 =*varicornis* Loew, 1864
 =*canzonerii* Rampini, 1975
pumilio (Zetterstedt, 1843) [*Dolichopus*]
pusillus (Meigen, 1824) [*Medeterus*]
 =*platypus* Loew, 1857

scambus (Fallén, 1823) [*Dolichopus*]= *prodromus* (Meigen, 1824) [*Medeterus*]= *clavitiibius* (von Roser, 1840) [*Dolichopus*]**Lamprochromus** Mik, 1878**bifasciatus** (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)**Sympycnus** Loew, 1857**aeneicoxa** (Meigen, 1824) [*Porphyrops*]= *brevicornis* (Zetterstedt, 1843) [*Dolichopus*]= *nigritibialis* (Zetterstedt, 1855) [*Dolichopus*]**brevimanus** Loew, 1857= *plantaris* Gerstäcker, 1864**pulicarius** (Fallén, 1823) [*Dolichopus*]⁽²⁸⁾= *annulipes* (Meigen, 1824) [*Porphyrops*]= *pygmaeus* (Macquart, 1827) [*Medeterus*]= *cinerellus* (Zetterstedt, 1838) [*Chrysotus*]= *desoutteri* Parent, 1925**spiculatus** Gerstäcker, 1864**Syntormon** Loew, 1857**aulicus** (Meigen, 1824) [*Porphyrops*]= *calcaratus* (Becker, 1907) [*Drymonoeca*]**bicolorellus** (Zetterstedt, 1843) [*Dolichopus*]= *luteicornis* Blackith et al., 1990 (nec Parent, 1927)**denticulatus**, (Zetterstedt, 1843) [*Rhaphium*]= *aculeatus* (Zetterstedt, 1843) [*Rhaphium*]= *biseriatus* (Loew, 1850) [*Rhaphium*]= *pumilus* Parent, 1925 (nec Meigen, 1824)**filiger** Verrall, 1912= *rufipes* (Zetterstedt, 1849) [*Rhaphium*] (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*]⁽²⁹⁾= *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**subinermis** (Loew, 1869) [*Synarthrus*]**tarsatus** (Fallén, 1823) [*Hydrochus*]= *gratiosus* (Meigen, 1824) [*Dolichopus*]= *palmipes* (Meigen, 1824) [*Porphyrops*]= *vittatus* (Macquart, 1834) [*Porphyrops*]= *obscurellus* (Zetterstedt, 1838) [*Dolichopus*]**Telmaturgus** Mik, 1874**tumidulus** (Raddatz, 1873) [*Sympycnus*]**Teuchophorus** Loew, 1857**monacanthus** Loew, 1859**nigricosta** (von Roser, 1840) [*Chrysotus*]= *signatus* (Zetterstedt, 1849) [*Chrysotus*]= *pectinifer* Kowarz, 1868:218,**spinigerellus** (Zetterstedt, 1843) [*Dolichopus*]**Doubtful and incorrect records****Sciapus contristans** (Wiedemann, 1870) [*Dolichopus*]⁽³⁰⁾**Sympycnus luteicornis** Negrobov, 1991 [*nomen nudum*]**Thinophilus neptunus** Frey, 1915**Dolichopus flavipes** Stannius, 1831**Doubtful species****Chrysotus magnicornis** Zetterstedt, 1843 [possible synonym of *Rhaphium pectinatum* (Loew, 1859)]⁽⁷⁾**Dolichopus bicingulatus** Zetterstedt, 1859 [possible synonym of *Hercostomus rothi* Zetterstedt, 1859]⁽³¹⁾**Dolichopus diaphanus** (Fallén, 1823) (nec Fabricius, 1775, nec Fabricius, 1805) [synonym of *Argyra argentina* (Meigen, 1824) or *Argyra argyria* (Meigen, 1824)]**Dolichopus misellus** Boheman, 1853 [Types lost]**Notes**

(1) Lectotype and paralectotype are here designated in order to promote stability of nomenclature. Type material corresponds to original description of *A. subarctica* by Ringdahl (1920) and to characters of the species in a key given by Negrobov (1973). A male collected from Narvik and mentioned by Ringdahl (1920) under original description has not been traced in MZLU. *Lectotype*: ♂, Abisko, 29.7-18 / 1983-454 / To., leg. O. Ringdahl. *Paralectotype*: 1 ♂, Abisko, 29.7-18 / 1983-453 / To., leg. O. Ringdahl / *Argyra subarctica* Ring. Negrobov det. [MZLU]. Paralectotype has some podomeres broken; on the same pin is a slide preparation of genitalia.

(2) *Dolichopus aemulus* is very close to *D. popularis*, and Ringdahl (1949) considered the first species as gynandromorph variety of the second one. Similarly, in the same work he discussed *D. pectinitarsis* and *D. parvicaudatus* as gynandromorph varieties of *D. plumipes*, and *D. micropygus* as gynandromorph variety of *D. fraterculus*. I prefer to keep all those species separately until a revision of Palearctic *Dolichopus* species will be done.

(3) Lectotype and paralectotypes are here designated in order to promote stability of nomenclature. Type material corresponds to original description of *D. annulitarsis* by Ringdahl (1920) and redescription of the species given by Stackelberg (1930). *Lectotype*: ♂, Nuolja, 9.7-18 / To., leg. O. Ringdahl. *Paralectotypes*: 12♂♂ and 6♀♀, same labels with collection dates, 9.7-18 and 21.7-18 [MZLU].

(4) Female holotype of *D. exiguus* is very close to *D. arbustorum*, but differs in smaller size, 3.1 mm. The species can not be associated with *D. trivialis* and *D. festivus*, differing from the first in postpedicel being yellow ventrally, from the second in having hind tibia entirely yellow.

(5) A male labelled as *Dolichopus fulgidus* and found in the old collection of Lund Museum keys out to *D. campestris*, but differs in absence of long posteroventral cilia on hind tibia; face whitish, face in middle 1.5-2 times wider than height of postpedicel; and posterior wing margin evenly convex. *D. campestris* has long posteroventral cilia more than half as long as diameter of hind femur; yellow face that in middle as wide as height of postpedicel; and posterior wing margin sinuate.

(6) *D. inconspicuus* found in the Scandinavian collection of Zetterstedt (338: 11) is close to *simplex* group of species. Two females are almost identical to *D. lineatocornis*, differing in right-angular rather than acute apex of postpedicel. Lectotype and paralectotype are here designated in order to promote stability of nomenclature. *Lectotype*: ♀, [small green square label], Forsa [hand-written label] / Lectotype, des. Grichanov, *Dolichopus inconspicuus* Zett. [pink label] [MZLU]. *Paralectotype*: ♀, [small green square label], *Dolichopus inconspicuus* ♀, Thyn. [hand-written label] / Paralectotype [pink

label] [MZLU]. Paralectotype has some podomeres broken.

(7) Types of *Dolichopus lineatocornis*, *D. parvicaudatus* and *Chrysotus magnicornis* have not been found in Lund Museum.

(8) Male holotype of *D. brachyurus* has been examined [MZLU].

(9) *D. pectinitarsis* has been probably redescribed recently under the name *Dolichopus polleti* Meuffels & Grootaert, 1989.

(10) Lectotype and paralectotype are here designated in order to promote stability of nomenclature. *Lectotype*: ♀, *D. brachycerus*, ?, Helsingia / Arbrå, Helsingland, 24/8-40 / Lectotype, des. Grichanov, *Dolichopus brachycerus* Zett. [pink label]. *Paralectotype*: ♀, *D. brachycerus* / Arbrå, Helsingland, 24/8-40 / Paralectotype [pink label] [MZLU, Wallengren collection, 292: 6].

(11) Lectotype and paralectotypes are here designated in order to promote stability of nomenclature. *Lectotype*: ♀, Ilst., 27/7 / *D. rothi*, ♀, vera, jag saknar den. / Sk., Ilstorp, coll. C.D.E. Roth / Coll. Dipteriorum C.D. Roth / 1966-90 / *Hercostomus praeceps* Lw., det. Hedström 1966 / Lectotype [pink label]. *Paralectotypes*: ♀, Omma, 19/7 [hand-written label] / Sk., Omma, coll. C.D.E. Roth / Paralectotype [pink label]; ♀, IIs., 13/7 / Sk., Ilstorp, coll. C.D.E. Roth / Paralectotype [pink label] [MZLU, in collection of C.D.E. Roth, 393: 15].

(12) Male *Dolichopus ruficauda* found in the collection of Zetterstedt is closely related to *H. rothi*, differing in entirely black antenna.

(13) Lectotype and paralectotypes are here designated in order to promote stability of nomenclature. Type material corresponds to original description of *H. albosignatus* by Ringdahl (1919). *Lectotype*: ♂, Gällivara, 11.7-17. *Paralectotype*: 1♀, Gällivara, 11.8-18 [MZLU].

(14) Lectotype and paralectotypes are here designated in order to promote stability of nomenclature. One more paralectotype male with labels "Spec. type", "Narvik, 1.7-18" and hand-written "*Hydrophorus norvegicus*", in error named "Holotypus" by Negrobov (1977), is deposited in Helsinki Zoological Museum (P. Vilka-maa, pers. com.). Type material corresponds to original description of *H. norvegicus* by Ring-

dahl (1928) and redescription of the species by Negrobov (1977). *Lectotype*: ♂, Narvik, 1.7-18 [MZLU]. *Paralectotypes*: 2♂♂, 1♀, Narvik, 1.7-18; 2♂♂2♀♀, Tromsø, 10.7.26 [MZLU].

(15) *Medetera adjaniae* was added by Weslien (1992) as *M. breviseta* (identification of H. Öunap).

(16) Lectotype and paralectotypes are here designated in order to promote stability of nomenclature. One more paralectotype male with labels "Spec. typ. No 8436", "Paratype" and "30.7.1907", in error named "Holotypus" by Negrobov & Stackelberg (1972), is deposited in Helsinki Zoological Museum (P. Viikmaa, pers. com.). Type material corresponds to original description of *M. betulae* by Ringdahl (1949) and redescription of the species by Negrobov & Stackelberg (1972). *Lectotype*: ♂, Tännalen, 20.7-38 / leg. O. Ringdahl [MZLU]. *Paralectotypes*: 5♂♂, 1♀, Tännalen, 20.7-38 / leg. O. Ringdahl [MZLU].

(17) A small series of Swedish males collected from one locality comprises both *excellens* and *thunebergi* types of aedeagus. I consider its variation to be intraspecific and have synonymised the two names because this is the only difference between the two species (Negrobov & Stackelberg, 1972-1974).

(18) Both *jacula* and *meridionalis* phenotypes are present in Lund Museum, as well as intermediate forms having, e.g., 4 strong dorso-central setae in left row and 5 setae in right row; *meridionalis* males were always collected in the same series together with *jacula* males. The two phenotypes found in Sweden and also in Great Britain [MZLU] have no differences in hypopygial structures.

(19) Parent (1936) described *Medetera belgica* from a female. So, the genitalia illustration in Negrobov & Stackelberg (1974) should be regarded as typical of the males. According to Negrobov (Negrobov & Stackelberg, 1972), male hypopygium of the species, as well as that of *M. peloria*, *M. kowarzi* and *M. miki* differs from that of *M. muralis* in shape of apex of aedeagus. I have prepared preparations of *M. muralis* male genitalia taken from several Swedish localities and have found a certain extent of variation in shape of apex of aedeagus. So, I consider this

variation and some colour differences described by Negrobov to be intraspecific.

(20) Öunap (1997) distinguished his new species and *Medetera obscura* by individually variable characters. Despite the author, *M. obscura* has lower postoculars consisting of the mixture of black and dirty white setae. In addition, the name *M. robusta* was preoccupied by Loew (1857).

(21) Both *petrophila* and *petrophiloides* phenotypes are present in Lund Museum, as well as intermediate forms having, e.g., 4 strong dorso-central setae in left row and 5 setae in right row; *petrophiloides* males were often collected in the same series together with *petrophila* males. The two phenotypes have no differences in hypopygial structures.

(22) Descriptions and figures given by Öunap (1997) for *Medetera piceae* and by Bickel (1985) for *M. pinicola* are practically identical.

(23) Both *pallipes* and *pallidus* phenotypes are present in Sweden.

(24) *Systemus tener* was added by Andersson (1999).

(25) *Thrypticus intercedens* is very close to *T. pollinosus*, differing in distal thin part of hypandrium being as long as or longer (rather than 1/3 shorter in *T. pollinosus*) than proximal broad part; the character usually clearly visible in dry specimens.

(26) Lectotype and paralectotypes are here designated in order to promote stability of nomenclature. Type material corresponds to original description of *Porphyrops glacialis* by Ringdahl (1920) and redescription of *Rhaphium glaciale* given by Negrobov (1979). *Lectotype*: ♂, Vällstafj., 23.6-14 / Jä. Leg. O. Ringdahl. *Paralectotypes*: 1♂ same label; 1♂, Vassij, 14.7-18; 6♂♂, 4♀♀, Nuolja, 9.7-18 and 21.7-18 [MZLU].

(27) Lectotype and paralectotype are here designated in order to promote stability of nomenclature. Type material corresponds to original description of *S. flavomaculatus* by Ringdahl (1949) and redescription of *S. maritimus* given by Meuffels & Grootaert (1990). *Lectotype*: ♂, Fårön, 4.7-36 / 1988-270 / *Sciapus ?maritimus* Beck., det. H.G.J. Meuffels / Zool. Mus. Lund, Sweden, Dolichopodidae, Type No. 2395:1-2.

Paralectotype: ♂, Fårön, 4.7-36 / *Sciapus flavomaculatus* [hand-written label] / 1983-455 / *Sciapus maritimus* Beck., Negrobov det. / 1988-269 / Type No. 2395:2 [MZLU]. Paralectotype has a dissected hypopygium on the same pin.

(28) Both *pulicarius* and *desoutterii* phenotypes are present in Sweden, as well as intermediate forms having short and pointed postpedicel.

(29) Both *pallipes* and *pseudospicatus* phenotypes are present in Sweden.

(30) Material found in Lund Museum under the name *Sciapus contristans* (males) belongs to *S. basilicus* and *S. zonatulus*. See also Meuffels & Grootaert (1990).

(31) A male type described as *Dolichopus bicingulatus* (var. a) has not been found in Lund Museum; a male described as *D. bicingulatus* (var. b) is practically destroyed.

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