

Checklist of British and Irish Braconidae (Hymenoptera)

Gavin R. Broad¹, Mark R. Shaw² and H. Charles J. Godfray³

¹ Department of Entomology, the Natural History Museum, Cromwell Road, London SW7 5BD

² National Museums of Scotland, Chambers Street, Edinburgh EH1 1JF

³ Department of Zoology, University of Oxford, South Parks Road, Oxford OX1 3PS

This is currently an online publication only. This will form a section of a checklist of British and Irish Hymenoptera (Broad, ed., in prep.).

30th April 2012

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Notes on the checklist of British and Irish Braconidae

- **Authorship:** The sections on subfamilies Microgastrinae and Rogadinae are mainly the work of Mark Shaw, the section on Dacnusiini (Alysiinae) is mainly the work of Charles Godfray.
- The bases for the Braconidae checklist are Fauna Europaea (<http://www.faunaeur.org/>) and Taxapad (Yu *et al.*, 2005) (braconid data for both compiled by Kees van Achterberg). Much of the synonymy adopted here is equivalent to the German list (Belokobylskij *et al.*, 2003), but where there are taxonomic differences of opinion, usually van Achterberg's interpretation has been followed, largely for consistency with Fauna Europaea, but also because of van Achterberg's experience with many groups of braconids.
- **Distribution:** This list covers the countries of the British Isles and does not include the Channel Islands. E=England, S=Scotland, W=Wales, I=Ireland, M=Isle of Man. Most of the distribution data derive from specimens held in the National Museums of Scotland, Edinburgh (NMS) and the Natural History Museum, London (NHM). Other references for distribution data have been given.
- **Additions to the British and Irish list** (taken to mean 'British Isles', i.e. Great Britain and Ireland): when a species has been added to the list since the last published checklist (Fitton *et al.*, 1978) the reference has been given. Species have also been added to the list here on the basis of specimens in the collections of the NMS and NHM. Names that are unpublished but which will be published on soon have been replaced in the style 'sp. A'. The collections of the NMS have been invaluable in updating this checklist as Mark Shaw has very actively encouraged taxonomists to use the collections, which contain a large amount of recently collected, often reared, material.

If you notice any mistakes or omissions please let me know.

Gavin Broad (e-mail: g.broad@nhm.ac.uk)

List of British and Irish species of Braconidae Nees, 1811

Subfamily AGATHIDINAE Haliday, 1833¹

Tribe AGATHIDINI Nees, 1814

BASSINI Nees, 1812 invalid
EUMICRODINI Förster, 1862
BASSINI Förster, 1869 preocc.
MICRODINI Ashmead, 1900
MESOCOELINI Viereck, 1918
ANEUROBRACONINI Fahringer, 1936
EARININI Sharkey, 1992²

AGATHIS Latreille, 1804³

AENIGMOSTOMUS Ashmead, 1900
METRIOSOMA Szépligeti, 1902
BAEOGNATHA Kokujev, 1903 van Achterberg (2011)
LISSAGATHIS Cameron, 1911
RHAMPHAGATHIS Tobias, 1962

anglica Marshall, 1885 E W

longicauda Kokujev, 1895 preocc.
?marshalli Fahringer, 1937
albanica Fischer, 1957
syriaca Fischer, 1957
caucasica Tobias, 1963
taiwanensis Chou & Sharkey, 1989

assimilis Kokujev, 1895 S

added by Nixon (1986)

propinqua Kokujev, 1895
jakowlewi Kokujev, 1895
sibirica Telenga, 1933
anchisiades Nixon, 1986

breviseta Nees, 1812⁴ E S I

fuscipennis (Zetterstedt, 1838, *Microgaster*) E I

breviseta misident.
rostrata misident.
glabricula Thomson, 1895
schmiedeknechti Kokujev, 1895
annulata Fahringer, 1937
meridionellae Fischer, 1957
albicostellae Fischer, 1966
artemesiana Fischer, 1966

griseifrons Thomson, 1895 E I

laticarpa Telenga, 1955

lugubris (Förster, 1862, *Cenostomus*) E S W I

added by Nixon (1986)

minuta Niezabitowski, 1910

montana Shestakov, 1932 E

added by Simbolotti & van Achterberg (1999)

zaykovi Nixon, 1986

nigra Nees, 1812 E

testaceipes Fischer, 1957
kasachstanica Tobias, 1963
nixoni Belokobylskij & Jervis, 1998

rufipalpis Nees, 1812 I

tibialis Nees, 1814 E

NMS, det. van Achterberg, added here

genualis Marshall, 1898

varipes Thomson, 1895 E

added by Nixon (1986)

¹ Except for *Agathis* and 'Bassus' species (i.e. including *Lytopylus* and *Therophilus*), distribution and synonymic data from Nixon (1986).

² The phylogenetic results of Sharkey *et al.* (2006) suggest that Earinini be accorded tribal status but that the classification of the Agathidini *s.l.* needs more scrutiny.

³ Distribution and synonymic data from Nixon (1986) and Simbolotti & van Achterberg (1999).

⁴ Simbolotti & van Achterberg (1999) synonymised *Agathis achterbergi* Nixon, 1986 under *breviseta* but it is listed as a valid species in Taxapad.

simulatrix Kokujev, 1895
rufipes Ivanov, 1899
dissimilis Shestakov, 1928
rufilabialis Fahringer, 1937
glabricollis Telenga, 1955
serratulae Tobias, 1963
lederi Fischer, 1968
ariadne Nixon, 1986

species excluded from the British and Irish list

[**malvacearum** Latreille, 1805⁵
panzeri (Jurine, 1807, *Ichneumon*)
metzneriae Muesebeck, 1967]

BASSUS Fabricius, 1804⁶
MICRODUS Nees, 1814
DIPLOZON Haliday, 1833
EURYZONA Haliday, 1838 nom. nud.
EUMICRODUS Förster, 1862
HEMIOGASTER Enderlein, 1920 van Achterberg & Long (2010)
calculator (Fabricius, 1798, *Ichneumon*) E
abscissus (Ratzeburg, 1844, *Microdus*)

EARINUS Wesmael, 1837
DIATMETUS Förster, 1862
elator (Fabricius, 1804, *Banchus*) E S I
nitidulus (Nees, 1814, *Microdus*)
thoracicus (Nees, 1834, *Microdus*)
major (Fonscolombe, 1846, *Agathis*)
pilosus Tobias, 1960
glorimatorius (Panzer, 1809, *Bassus*) E S I M
glorimator (Nees, 1812, *Microdus*)
ochropes (Curtis, 1829, *Microdus*) nom. nud.
affinis (Wesmael, 1837, *Microdus*)
delusor (Wesmael, 1837, *Microdus*)
tuberculatus (Wesmael, 1837, *Microdus*)
varicoxis (Wesmael, 1837, *Microdus*)
niger (Zetterstedt, 1838, *Microgaster*)
bicingulatus (Thomson, 1895, *Agathis*)
ochropes Lyle, 1920
ruficoxis Fahringer, 1937
transversus Lyle, 1920 E Shaw (2005)

LYTOPYLUS Förster, 1862⁷
AEROPHILUS Szépligeti, 1902 Sharkey *et al.* (2006)
NEOMICRODUS Szépligeti, 1908
AEROPHILOPSIS Viereck, 1913
AEROPHILINA Enderlein, 1920
IOXIA Enderlein, 1920
HORMAGATHIS Brues, 1926
OBESOMICRODUS Papp, 1971
FACILAGATHIS van Achterberg & Chen (2004)
rufipes (Nees, 1814, *Microdus*) E
germanicus (Enderlein, 1904, *Braunsia*)

⁵ Listed by Fitton *et al.* (1978), this probably refers to *varipes*.

⁶ Following molecular phylogenetic analysis of Agathidinae (Sharkey *et al.*, 2006), the genus *Bassus* s.l. was recognised as being a polyphyletic assemblage. Species are now being described in or reassigned to *Lytopylus*, *Therophilus* and the non-British *Camptothlipsis* (Sharkey *et al.*, 2009; Stevens *et al.*, 2010, 2011; van Achterberg & Long, 2010; van Achterberg, 2011) but very few European species have been formally transferred. The species on the British list have therefore been reassigned here on the bases of recent generic keys (e.g. Sharkey *et al.*, 2009) in anticipation of future taxonomy. Whereas *Bassus* s.s. is now restricted to a small group of species (only one in Britain), *Therophilus* remains large and probably para- or polyphyletic. Distribution and synonymic data for *Bassus*, *Lytopylus* and *Therophilus* from Nixon (1986) and Simbolotti & van Achterberg (1992).

⁷ See comments under *Bassus*; generic synonymy from Sharkey *et al.* (2009).

diversus Muesebeck, 1933
amurensis (Shestakov, 1940, *Microdus*)

THEROPHILUS Wesmael, 1837⁸

ORGILONEURA Ashmead, 1900

AGATHIELLA Szépligeti, 1902

AEROPHILIOIDES Strand, 1911

arcuatus (Reinhard, 1867, *Microdus*)⁹

cingulipes (Nees, 1812, *Microdus*) E I

nantouensis Chou & Sharkey, 1989

clausthalianus (Ratzeburg, 1844, *Ichneumon*) E I

conspicuus (Wesmael, 1837, *Microdus*) E I

zonatus (Marshall, 1885, *Earinus*)

carpocapsae Cushman, 1915

angustatus (Telenga, 1955, *Microdus*)

variabilis Chou & Sharkey, 1989

dimidiator (Nees, 1834, *Microdus*)¹⁰

cingulator (Ratzeburg, 1852, *Microdus*)

laticinctus (Cresson, 1873, *Microdus*)

ocellanae (Richardson, 1913, *Microdus*)

epinotiae Simbolotti & van Achterberg, 1992 E

added by Simbolotti & van Achterberg (1992)

linguarius (Nees, 1812, *Microdus*) E

minor (Enderlein, 1908, *Microdus*)

kaszabi (Papp, 1967, *Vipio*)

mediator (Nees, 1814, *Microdus*)¹¹ E

lugubrator (Ratzeburg, 1852, *Microdus*)

pumilus (Ratzeburg, 1844, *Microdus*)¹² E NMS, det. Shaw, added here

rugulosus (Nees, 1834, *Microdus*) E I

compeditus (Vollenhoven, 1878, *Microdus*)

punctatus (Abdinbekova, 1975, *Microdus*)

tegularis (Thomson, 1895, *Agathis*) E

added by Simbolotti & van Achterberg (1992)

tumidulus (Nees, 1812, *Microdus*) E S I

intermedius (Ivanov, 1899, *Eumicrodus*)

annae (Enderlein, 1908, *Microdus*)

aino (Watanabe, 1937, *Microdus*)

ruficoxis (Fahringer, 1937, *Microdus*)

rufus (Fahringer, 1938, *Microdus*)

bicolor (Shestakov, 1940, *Microdus*) preocc.

victoris (Telenga, 1955, *Microdus*)

shestakovi (Shenefelt, 1970, *Agathis*)

anuphrievi (Tobias, 1986, *Microdus*)

species excluded from the British and Irish list

[*brevicaudis* (Reinhard, 1867, *Microdus*)¹³]

[*nugax* (Reinhard, 1867, *Microdus*)¹⁴

rufiventris (Abdinbekova, 1975, *Microdus*)]

Subfamily ALYSIINAE Leach, 1815

Tribe ALYSIINI Leach, 1815

ALLOEINI Ashmead, 1900

⁸ See comments under *Bassus*; generic synonymy from Sharkey *et al.* (2009).

⁹ Taken out of synonymy with *conspicuus* by Simbolotti & van Achterberg (1992).

¹⁰ Listed by Fitton *et al.* (1978) but no mention of British specimens by Nixon (1986), who states, however, that the traditional interpretation of the species is probably correct. No British or Irish specimens seen by Simbolotti & van Achterberg (1992).

¹¹ Transferred from *Agathis* by Simbolotti & van Achterberg (1999).

¹² Listed by Fitton *et al.* (1978) but no mention of British specimens by Nixon (1986) or Simbolotti & van Achterberg (1992). Transferred from *Agathis* by Simbolotti & van Achterberg (1999) but listed as a species of *Agathis* in Taxapad.

¹³ Listed as a 'species inquirendae' by Nixon (1986) but included as a German species by Simbolotti & van Achterberg (1992). Transferred to *Bassus* by Simbolotti & van Achterberg (1999).

¹⁴ Listed by Fitton *et al.* (1978) but no mention of British specimens by Nixon (1986) or Simbolotti & van Achterberg (1992).

ADELUROLA Strand, 1928
ADELURA Förster, 1862 preocc.
NEOCARPA Fischer, 1966
florimela (Haliday, 1838, *Alysia*) E S I
multiarticulata (Marshall, 1898, *Phaenocarpa*)
pentapleuroides (Fischer, 1971, *Dapsilarthra*) unavailable
ALLOEA Haliday, 1833
DIASPASTA Förster, 1862
LAMADATHA Cameron, 1900
contracta Haliday, 1833 E S W I
testaceipes (Cameron, 1900, *Lamadatha*)
lonchopterae Fischer, 1966 M added by Godfray & Bland (2011)

ALYSIA Latreille, 1804
 Subgenus **ALYSIA** Latreille, 1804¹⁵
CECHENUS Illiger, 1807
BASSUS Nees, 1812
GONIARCHA Förster, 1862
STROPHAEA Förster, 1862
alticola (Ashmead, 1890, *Pentapleura*) E
soror Marshall, 1894
incongrua Nees, 1834 E S I
lucia Haliday, 1838¹⁶ S
diversiceps Fischer, 1967
lucicola Haliday, 1838 E I
luciella Stelfox, 1941 I
manducator (Panzer, 1799, *Ichneumon*) E S I M
haematopa (Gmelin, 1790, *Ichneumon*) preocc.
stercoraria Latreille, 1805
apicalis Curtis, 1826
similis Curtis, 1826
stercorator Lamarck, 1835
curtungula Thomson, 1895
bucephala Marshall, 1898
manducatrix Schulz, 1906
truncator (Nees, 1812, *Bassus*) E S I

species excluded from the British and Irish list
 [**cingulata** Nees, 1834 nom. dub.]

Subgenus **ANARCHA** Förster, 1862¹⁷
atra Haliday, 1838 I
fuscipennis Haliday, 1838 E S I
obscuripes Thomson, 1895
mandibulator (Nees, 1812, *Bassus*) E I
loripes Haliday, 1838
mandibulatrix Schulz, 1906
rufidens Nees, 1834 E I
puncticollis Thomson, 1895
similis (Nees, 1812, *Bassus*) E
sophia Haliday, 1835 I
subaperta Thomson, 1895 E added by Wharton (1988b)
similis misident.
thapsina Wharton, 1988 I added by Wharton (1988b)
tipulae (Scopoli, 1763, *Ichneumon*) E S I
abdominator (Nees, 1814, *Bassus*)
notabilis (Förster, 1862, *Anarcha*)
umbrata Stelfox, 1941 I

¹⁵ Much of the taxonomy and distribution from Wharton (1986).

¹⁶ Wharton (1986) placed *Alysia rudis* Tobias, 1962 in synonymy with *lucia* but Fischer (1993) resurrected it as a valid species.

¹⁷ Much of the taxonomy and distribution from Wharton (1988b).

ANISOCYRTA Förster, 1862

perdita (Haliday, 1838, *Alysia*)

APHAERETA Förster, 1862

TRICHESIA Provancher, 1880

TRINARIA Provancher, 1886

APHAERETE Dalla Torre, 1898

ATOPANDRIUM Graham, 1952¹⁸

TRISYNALDIS Fischer, 1958

debilitata Morley, 1933 E

loripenne (Graham, 1952, *Atopandrium*) van Achterberg (1995)

confluctum (Fischer, 1958, *Trisynaldis*)

falcigera Graham, 1960 E I

major (Thomson, 1895, *Alysia*) E S I

major Marshall, 1898

minuta (Nees, 1811, *Stephanus*) E S I

cephalotes (Haliday, 1833, *Alysia*)

fuscipes (Nees, 1834, *Alysia*)

confluens (Ratzeburg, 1844, *Alysia*)

stigmatalis (Thomson, 1895, *Alysia*)

inepta (Morley, 1933)

pallipes (Say, 1829, *Alysia*) E

added by Shaw (1983)

auripes (Provancher, 1881, *Trichesia*)

pilicornis (Provancher, 1886, *Trinaria*)

californica Ashmead, 1889

muscae Ashmead, 1889

oscinidis Ashmead, 1889

pallidipes (Dalla Torre, 1898, *Aphaerete*)

delosa Viereck, 1905

subtricarinata Viereck, 1905

pegomyiae Brues, 1907

sarcophagae Gahan, 1914

tenuicornis Nixon, 1939 E I

ASOBARA Förster, 1862

SPANISTA Förster, 1862

tabida (Nees, 1834, *Alysia*) E I

anomala (Thomson, 1895, *Alysia*)

crenulata (Fahringier, 1935, *Phaenocarpa*)

ASPILOTA Förster, 1862¹⁹

DIPIESTA Förster, 1862

EUSYNALDIS Zaykov & Fischer, 1982

SYNALDIS misident.

anaphoretica Fischer, 1973 E S I

NMS, NHM, det. Munk, added here

blasii Fischer, 1973 E

NHM, det. Munk, added here

compressiventris Stelfox & Graham, 1951 E

curta Marshall, 1895 E

daemon Stelfox and Graham, 1948 E S I

delicata Fischer, 1973 E S I

NHM, det. Munk, added here

efoveolata Thomson, 1895 E S W

NMS, NHM, det. Munk, added here

pneumatica Fischer, 1973

flagellaris Fischer, 1973 E S I

NHM, det. Munk, added here

fuscicornis (Haliday, 1838, *Alysia*) E S I

? *minuta* (Nees, 1812, *Bassus*)

exile (Ruthe, 1859, *Orthostigma*)

dilatata (Thomson, 1895, *Alysia*)

imparidens Fischer, 1974 E S W

NMS, NHM, det. Munk, added here

¹⁸ Synonymised under *Aphaereta* by van Achterberg (1995) but treated as a separate genus again in Taxapad.

¹⁹ Some distribution data from Stelfox & Graham (1951a). Some species treated as belonging to *Dinotrema* by other authors have been included in *Aspilota* in Taxapad and there is clearly much work to be done in allocating species to the current generic concepts (see Wharton, 1985). Munk (in prep.) is preparing a revision of the European species of *Aspilota s.l.* (see note under *Dinotrema*).

insolita (Tobias, 1962, *Orthostigma*) E I
intermediana Fischer, 1975 E
iocosipecta Fischer, 1974 E S I
macrops Stelfox & Graham, 1951 E I
nidicola Hedqvist, 1972 E
pillereensis Fischer, 1973 E
ruficornis (Nees, 1834, *Alysia*) E S W I
sp. R. Munk, in prep. E S W
stenogaster Stelfox & Graham, 1951 E
tetragona Fischer, 1976 E S I
vernalis Stelfox & Graham, 1951 E S I

NHM, det. Munk, added here
 added by Notton (1991)
 NMS, NHM, det. Munk, added here
 NHM, det. Munk, added here
 NHM, det. Munk, added here
 NHM, det. Munk, added here
 NMS, NHM, det. Munk, added here

CHASMODON Haliday, 1838
apterus (Nees, 1812, *Bassus*) E S W I M

CRATOSPILA Förster, 1862
HEDYLUS Marshall, 1891 Papp (2009a)
circe (Haliday, 1838, *Alysia*) E I
habilis (Marshall, 1891, *Hedylus*) Papp (2009a)
annellata (Thomson, 1895, *Alysia*)

DAPSILARTHRA Förster, 1862
 Subgenus **DAPSILARTHRA** Förster, 1862
GRAMMOSPILA Förster, 1862
PARAORTHOSTIGMA Königsmann, 1972
apii (Curtis, 1826, *Alysia*) E S I
laevipectus (Thomson, 1895, *Alysia*)
americana (Brues, 1907, *Orthostigma*)
isabella (Haliday, 1838, *Alysia*) E S
rufiventris (Nees, 1812, *Bassus*) E S I
flaviventris (Haliday, 1838, *Alysia*)
ochrogaster (Szépligeti, 1898, *Phaenocarpa*)
fuscula Griffiths, 1968
sylvia (Haliday, 1839, *Alysia*) E S I
carpathica van Achterberg, 1983 van Achterberg (1997)

Subgenus **HETEROLEXIS** Förster, 1862
balteata (Thomson, 1895, *Alysia*) E S I
dictynna (Marshall, 1895, *Adelura*) E S I

DINOTREMA Förster, 1862²⁰
 Subgenus **DINOTREMA** Förster, 1862
ASPILOTA misident.
COLOBOMA Förster, 1862
SPANOMERIS Förster, 1862
SCOTIONEURUS Provancher, 1886
EUDINOSTIGMA Tobias, 1986 Wharton (2002)
aluum (Stelfox & Graham, 1950, *Aspilota*) I
alva misspelling
areolata (Stelfox & Graham, 1950, *Aspilota*) E S
brevicorne (Nees, 1814, *Bassus*) E
brevissimicorne (Stelfox & Graham, 1948, *Aspilota*) S I
caudatum (Thomson, 1895, *Aspilota*) I
liosoma (Stelfox & Graham, 1951, *Aspilota*)
compressa (Haliday, 1838, *Alysia*) E
concinnum (Haliday, 1838, *Alysia*)²¹ E I
maximum (Fischer, 1962, *Synaldis*)

²⁰ Some distribution data from Stelfox & Graham (1951a,b) and van Achterberg (1988b). Munk (in prep.) is revising the European species of *Aspilota s.l.* and has given much helpful advice on the generic placements of the species occurring in Britain and Ireland, some of which is unpublished and will therefore differ from the generic combinations found in, e.g. Belokobyl'sij *et al.* (2003) and Taxapad. Munk also advises that although *Aspilota* is a well-defined genus, *Dinotrema* is not defined by any apomorphies and will be split up.

²¹ *Synaldis maximum* Fischer, 1962 has been treated as a junior synonym by König (1972) and subsequent authors but Munk (pers. comm.) regards this as a valid species of *Dinotrema* that may be found to occur in Britain.

tyrrhena (Masi, 1933, *Aspilota*)
crassicosta (Thomson, 1895, *Alysia*)²² S NMS, det. Munk, added here
cratocera (Thomson, 1895, *Alysia*) S NHM, det. Munk, added here
denticulatum (Stelfox & Graham, 1951, *Aspilota*) I
dimidiatum (Thomson, 1895, *Alysia*) E NHM, det. Munk, added here
divisum (Stelfox & Graham, 1950, *Aspilota*) E S I
?aureliae (Fischer, 1973, *Aspilota*) Papp (2004c)
erythropum Förster, 1862 E W I
praecipuum (Marshall, 1895, *Aspilota*)
falsificum (Stelfox & Graham, 1950, *Aspilota*) S I
glabrum (Stelfox & Graham, 1951, *Aspilota*) E S I
venustum (Tobias, 1962, *Aspilota*)
insidiatrix (Marshall, 1895, *Aspilota*) E
insignis (Stelfox & Graham, 1950, *Aspilota*) E
iuxtanaeviam (Fischer, 1978, *Aspilota*) E added by Fischer (1978)
jaculans (Haliday, 1838, *Alysia*) E S I
latistigma (Fischer, 1962, *Synaldis*)²³ E NMS, det. Munk, added here
lineola (Thomson, 1895, *Alysia*) E
mesocaudatum van Achterberg, 1988 E added by van Achterberg (1988b)
microcera (Thomson, 1895, *Alysia*) E S W I NHM, det. Munk, added here
necrophilum (Hedqvist, 1972, *Aspilota*) E added by Disney & Munk (2005)²⁴
nervosum (Haliday, 1833, *Alysia*) E S I
pulvinatum (Stelfox & Graham, 1949, *Aspilota*)²⁵ E S W I
semicompressum (Stelfox & Graham, 1949, *Aspilota*) E S I
parapunctatum (Fischer, 1976, *Aspilota*) Papp (2004c)
sphaerimembre (Fischer, 1973, *Aspilota*) S NMS, det. Munk, added here
sternaulica (Fischer, 1973, *Aspilota*) E S NMS, det. Munk, added here
tauricum (Telenga, 1935, *Aspilota*) E added by van Achterberg (1988b)
vesparum (Stelfox, 1943, *Aspilota*) E S
vituperatum (Fischer, 1974, *Aspilota*) E S NMS, det. Munk, added here

species excluded from the British and Irish list
[pusillum (Nees, 1812, *Bassus*)²⁶ E]

Subgenus **LEPTOTREMA** van Achterberg, 1988²⁷
 Wharton (2002)
dentifemur (Stelfox, 1943, *Aspilota*) E S I

Subgenus **PROSAPHA** Förster, 1862
speculum (Haliday, 1838, *Alysia*) E I
venustum (Haliday, 1838, *Alysia*)

IDIASTA Förster, 1862
EUPHAENOCARPA Tobias, 1975
dichrocera Königsmann, 1960 E NMS, det. Shaw, added here
maritima (Haliday, 1838, *Alysia*) E S I
nephele (Haliday, 1838, *Alysia*) E S

MESOCRINA Förster, 1862
PSEUDOMESOCRINA Königsmann, 1959
indagatrix Förster, 1862 E
venatrix Marshall, 1895

ORTHOSTIGMA Ratzeburg, 1844
DELOCARPA Förster, 1862
ISCHNOCARPA Förster, 1862
longicorne Königsmann, 1969 I
maculipes (Haliday, 1838, *Alysia*) E I

²² Regarded by most authors as a synonym of *nervosum*, Munk (pers. comm.) treats this as a valid species.
²³ Treated as a species of *Eudinostigma* in Fauna Europaea and Taxapad.
²⁴ Transferred from *Aspilota* by Disney & Munk (2005).
²⁵ Treated as a species of *Eudinostigma* in Fauna Europaea and Taxapad.
²⁶ Munk (pers. comm.) regards this as an unidentified species; the type has been destroyed.
²⁷ Described as a separate genus by van Achterberg (1988b), who gives distribution data for the one included species.

pumilum (Nees, 1834, *Alysia*) E I
flavipes (Ratzeburg, 1844, *Aphidius*)
fulvipes Rondani, 1876 nom. nud.
brunnipes Ratzeburg, 1852
bruneipes Dalla Torre, 1898

PANEREMA Förster, 1862²⁸
fulvicornis (Haliday, 1838, *Alysia*) W I
inops Förster, 1862 E W I

PENTAPLEURA Förster, 1862
OPISENDEA Förster, 1862
GNATHOSPILA Fischer, 1966
angustula (Haliday, 1838, *Alysia*) E I
laevipleuris (Tobias, 1962, *Aspilota*)
fuliginosa (Haliday, 1838, *Alysia*) E W I
carinata (Thomson, 1895, *Alysia*)
pumilio (Nees, 1812, *Bassus*) E S W I
triticaphis (Fitch, 1861, *Toxares*)
mesocrinoides Goidanich, 1936

PHAENOCARPA Förster, 1862²⁹
Subgenus **HOMOPHYLA** Förster, 1862
pullata (Haliday, 1838, *Alysia*) E I

Subgenus **PHAENOCARPA** Förster, 1862

| | |
|---|--------------------------------------|
| <i>IDIOLEXIS</i> Förster, 1862 | Wharton (2002) |
| <i>MESOTHESES</i> Förster, 1862 | |
| <i>SATHRA</i> Förster, 1862 | |
| <i>ASYNAPHES</i> Provancher, 1886 | |
| <i>KAHLIA</i> Ashmead, 1900 | |
| <i>HOLCALYSIA</i> Cameron, 1905 | |
| <i>STIRALYSIA</i> Cameron, 1910 | |
| <i>RHOPALONEURA</i> Stelfox, 1941 | |
| canaliculata Stelfox, 1941 E I | |
| conspurator (Haliday, 1838, <i>Alysia</i>) E S I | |
| <i>arctica</i> (Thomson, 1895, <i>Alysia</i>) | |
| <i>tatica</i> Niezabitowski, 1910 | |
| <i>remota</i> Papp, 1981 | |
| eugenia (Haliday, 1838, <i>Alysia</i>) E I | |
| <i>pectoralis</i> (Zetterstedt, 1838, <i>alysia</i>) | |
| <i>orbicularis</i> Gurasashvili, 1983 | |
| eunice (Haliday, 1838, <i>Alysia</i>) E W I | |
| <i>nimia</i> Stelfox, 1941 | |
| flavipes (Haliday, 1838, <i>Alysia</i>) E I | |
| frequentator (Zetterstedt, 1838, <i>Alysia</i>) S | NMS, det. van Achterberg, added here |
| <i>frequentatrix</i> (Schulz, 1906, <i>Alysia</i>) | |
| galatea (Haliday, 1838, <i>Alysia</i>) S I | |
| helophilae van Achterberg, 1998 E | added by van Achterberg (1998) |
| livida (Haliday, 1838, <i>Alysia</i>) E I | |
| <i>debilis</i> (Förster, 1862, <i>Sathra</i>) | van Achterberg (1998) |
| luteipes Stelfox, 1950 I | |
| maria (Haliday, 1838, <i>Alysia</i>) E I | |
| nina (Haliday, 1838, <i>Alysia</i>) S | van Achterberg (1998) ³⁰ |
| notabilis Stelfox, 1944 S I | |
| pegomyiae Marshall, 1898 ³¹ | |
| picinervis (Haliday, 1838, <i>Alysia</i>) E I | |
| <i>americana</i> Ashmead, 1889 | |
| pratellae (Curtis, 1826, <i>Alysia</i>) E S | |
| <i>piceator</i> (Zetterstedt, 1838, <i>Alysia</i>) | |

²⁸ Distribution data from van Achterberg (1988b).

²⁹ Some taxonomic and distribution data from van Achterberg (1997).

³⁰ Not listed in Fitton *et al.* (1978), although described from Scottish material.

³¹ Omitted by Fitton *et al.* (1978).

punctigera (Haliday, 1838, *Alysia*)³² E I

ruficeps (Nees, 1812, *Bassus*) E S I

testacea (Nees, 1812, *Bassus*)

gracilis (Curtis, 1826, *Alysia*)

pallida (Curtis, 1826, *Alysia*)

agricolator (Zetterstedt, 1838, *Alysia*)

oculator (Ratzeburg, 1848, *Alysia*)

rubriceps (Provancher, 1883, *Alysia*) preocc.

rubricepes Provancher, 1888

testaceipes (Cameron, 1905, *Holcalysia*)

divergens Fischer, 1975

fervida Fischer, 1975

incerta Fischer, 1975

meritoria Papp, 1981

ferga Papp, 1982

tacita Stelfox, 1941 I

caucasica Gurasashvili, 1983 preocc.

causicola Tobias, 1986

trisulcata Stelfox, 1950 I

PTERUSA Fischer, 1958³³

ruficollis (Stelfox & Graham, 1950, *Aspilota*) E I

SYNALDIS Förster, 1862

acutidentata Fischer, 1970³⁴ E S

NMS, NHM, det. Munk, added here

concolor (Nees, 1812, *Bassus*) E I

distracta (Ruthe, 1859, *Orthostigma*) unavailable

distracta (Nees, 1834, *Alysia*)

globipes Fischer, 1962³⁵ E S

NMS, NHM, det. Munk, added here

SYNCRASIS Förster, 1862

PHAENOLYTA Förster, 1862

fucicola (Haliday, 1838, *Alysia*) I

halidayi (Förster, 1862, *Phaenolyta*) E I

fuscipes preocc. unavailable

TANYCARPA Förster, 1862

ACROBELA Förster, 1862

Wharton (2002)

EPICLISTA Förster, 1862

HYPOSTROPHA Förster, 1862

bicolor (Nees, 1812, *Bassus*) E I

ancilla (Haliday, 1838, *Alysia*)

gracilicornis (Nees, 1812, *Bassus*) I

mitis Stelfox, 1941 E I

punctata van Achterberg, 1976

rufinotata (Haliday, 1838, *Alysia*) E I

carinata (Förster, 1862, *Acrobela*)

erythrogaster (Förster, 1862, *Epiclista*)

foersteri (Shenefelt, 1974, *Alysia*)

TRACHYUSA Ruthe, 1854³⁶

COSMIOCARPA Förster, 1862

aurora (Haliday, 1838, *Alysia*) E I

nigriceps Ruthe, 1854

nigrothoracica van Achterberg & O'Connor, 1990 E I

added by van Achterberg & O'Connor (1990)

Tribe DACNUSINI Förster, 1862³⁷

³² Listed as a species of *Idiolexis* in Fauna Europaea.

³³ Distribution data from van Achterberg (1988b).

³⁴ Identified by Munk as a species of *Dinotrema*.

³⁵ Identified by Munk as a species of *Aspilota*.

³⁶ Distribution data from van Achterberg & O'Connor (1990) and the collections of NMS.

AMYRAS Nixon, 1943
clandestina (Haliday, 1839, *Alysia*) I
quadridentata (Thomson, 1895, *Dacnusa*)

ARISTELIX Nixon, 1943
phoenicura (Haliday, 1839, *Alysia*) E I

CHAENUSA Haliday, 1839³⁸
CHOREBIDEA Viereck, 1914
CHOREBIDEA Nixon, 1943 preocc.
CHOREBIDELLA Riegel, 1947
conjungens (Nees, 1811, *Bracon*) E I
conjungens misspelling
elongata Stelfox, 1957 I
limoniadum (Marshall, 1896, *Chorebus*)³⁹ E
lymphata (Haliday, 1839, *Alysia*)⁴⁰ E I
naiadum (Haliday, 1839, *Alysia*) E S I
naiadum (Curtis, 1837, *Chorebus*) nom. nud.
nereidum (Haliday, 1839, *Alysia*) E I
nereidum (Curtis, 1837, *Chorebus*) nom. nud.
opaca Stelfox, 1957 I

CHOREBUS Haliday, 1833
AMETRIA Förster, 1862
*GYROCAMP*A Förster, 1862
PHAENOLEXIS Förster, 1862
STIPHROCERA Förster, 1862
DIPLUSIA Ruthe, 1882
ETRIPTES Nixon, 1943
*PARAGYROCAMP*A Tobias, 1962
abaris (Nixon, 1943, *Dacnusa*) E S
abnormiceps (Nixon, 1943, *Dacnusa*) E
quadriceps (Nixon, 1941, *Dacnusa*) preocc.
agraules (Nixon, 1945, *Dacnusa*) E
albipes (Haliday, 1839, *Alysia*) E S I
alecto (Morley, 1924, *Rhizarcha*) E S I
turissa (Nixon, 1937, *Dacnusa*)
alua (Nixon, 1944, *Dacnusa*) I
amasis (Nixon, 1945, *Dacnusa*) E
ampliator (Nees, 1834, *Alysia*) E S I
nigricornis (Förster, 1862, *Stiphrocera*)
anasellus (Stelfox, 1952, *Dacnusa*) S I
angelicae (Nixon, 1945, *Dacnusa*) E
anita (Nixon, 1943, *Dacnusa*) E S
aphantus (Marshall, 1895, *Dacnusa*) E S W I
apollyon (Morley, 1924, *Dacnusa*) E I
ares (Nixon, 1944, *Dacnusa*) E
armida (Nixon, 1945, *Dacnusa*) E S W
artemisiellus Griffiths, 1968 E

³⁷ The classification of the Dacnusiini was revised by Griffiths (1964-68) in a pioneering treatment that was one of the first applications of explicit phylogenetic methods in taxonomy. It was also unusual in being based on extensive reared material. Griffiths' classification is followed here although one of the consequences of his strict adherence to phylogenetic principles is that *Chorebus* and *Dacnusa* are very large genera. Also, as Griffiths realised, the definition of *Exotela* is unsatisfactory as it lacks clear apomorphic characters. This group of insects had previously been revised by Nixon (1943-54), who recognised a greater number of genera, and some authors (Tobias, 1986, 1998; Perepechayenko, 2000; Fischer *et al.*, 2004) have resurrected Nixon genera or used them as subgenera. This seems a retrograde step given Griffiths' clear statements of phylogenetic hypotheses and is not used here. In both *Chorebus* and *Dacnusa*, Griffiths defined a series of species groups that with further research should form the basis of better classifications of these genera. Griffiths (1964) gives a key to genera and Wharton (1997) is also very helpful. The *Coelinus* genus group (*Coelinus*, *Trachionus*, *Epimicta*, *Aristelix*, *Laotris*, *Sarops* and *Synelix*) is generally agreed to be monophyletic and was not revised at species level by Nixon or Griffiths.

³⁸ No recent revision of this genus.

³⁹ Transferred from *Chorebus* by Perepechayenko (2000).

⁴⁰ Transferred from *Chorebus* by van Achterberg (1997).

asramenes (Nixon, 1943, *Dacnusa*) E I
avesta (Nixon, 1944, *Dacnusa*) E S
bathyzonus (Marshall, 1895, *Dacnusa*) E I
 ornatus (Telenga, 1935, *Dacnusa*)
bensoni (Nixon, 1943, *Dacnusa*) E
bres (Nixon, 1944, *Dacnusa*) E I
brevicornis (Thomson, 1895, *Dacnusa*) E S I
 chrysippe (Nixon, 1944, *Dacnusa*)
 ea (Nixon, 1944, *Dacnusa*)
caelebs (Nixon, 1944, *Dacnusa*) E
calthae Griffiths, 1967 E
cambricus Griffiths, 1968 W
cinctus (Haliday, 1839, *Alysia*) E I
 castaneiventris (Thomson, 1895, *Dacnusa*)
coxator (Thomson, 1895, *Dacnusa*) E S W
crassipes (Stelfox, 1954, *Dacnusa*) S I
credne (Nixon, 1944, *Dacnusa*) E S I
crenulatus (Thomson, 1895, *Dacnusa*) E S I
 elegantulus (Nixon, 1937, *Dacnusa*)
crocale (Nixon, 1945, *Dacnusa*) E
cubocephalus (Telenga, 1934, *Rhizarcha*) I
 cyclops (Nixon, 1937, *Dacnusa*) Tobias (1986)
cylindricus (Telenga, 1934, *Dacnusa*) S
 cybele (Nixon, 1937, *Dacnusa*) Tobias (1986)
cytherea (Nixon, 1937, *Dacnusa*) E S I
 calliope (Nixon, 1944, *Dacnusa*)
 tesmia (Nixon, 1944, *Dacnusa*)
dagda (Nixon, 1943, *Dacnusa*) E
daimenes (Nixon, 1945, *Dacnusa*) E
deione (Nixon, 1944, *Dacnusa*) E S
didas (Nixon, 1944, *Dacnusa*) E S
difficilis Griffiths, 1968 E
diremtus (Nees, 1834, *Alysia*) E I
 diremtus (Haliday, 1839, *Alysia*)
dirona (Nixon, 1945, *Dacnusa*) E I
enephes (Nixon, 1945, *Dacnusa*) E
eros (Nixon, 1937, *Dacnusa*) E S I
esbelta (Nixon, 1937, *Dacnusa*) E I
euryale (Nixon, 1944, *Dacnusa*) E
fallaciosae Griffiths, 1967 E
fallax (Nixon, 1937, *Dacnusa*) E S I
flavipes (Goureau, 1851, *Dacnusa*) E S I
 raissa (Nixon, 1937, *Dacnusa*)
fordi (Nixon, 1954, *Dacnusa*) E
foveolus (Haliday, 1839, *Alysia*) E W I
fuscipennis (Nixon, 1937, *Dacnusa*) E
gedanensis (Ratzeburg, 1852, *Alysia*) E
 anguligena (Nixon, 1937, *Dacnusa*)
glaber (Nixon, 1944, *Dacnusa*) E I
glabriculus (Thomson, 1895, *Dacnusa*) E S I
 cortipalpis (Nixon, 1937, *Dacnusa*)
hilaris Griffiths, 1967 E
hirtigena Stelfox, 1957 I
humeralis Griffiths, 1968 I
incertus (Goureau, 1851, *Dacnusa*) E
iphias (Nixon, 1943, *Dacnusa*) E
kama (Nixon, 1945, *Dacnusa*) E
lanigerus (Stelfox, 1957, *Gyrocampa*) I
lar (Morley, 1924, *Dacnusa*) E
 innanus (Nixon, 1943, *Dacnusa*)
larides (Nixon, 1944, *Dacnusa*) E I
lateralis (Haliday, 1839, *Alysia*) E S W I
 fuscula (Haliday, 1839, *Alysia*)
 albicoxa (Thomson, 1895, *Dacnusa*)
leptogaster (Haliday, 1839, *Alysia*) E I

naenia (Morley, 1924, *Dacnusa*)
dinae (Burghelle, 1960, *Dacnusa*)
longicornis (Nees, 1811, *Bracon*) E S I
affinis (Nees, 1812, *Bassus*)⁴¹
lugubris (Nixon, 1937, *Dacnusa*) E I
luzulae Griffiths, 1966 S added by Godfray & Bland (2011)
lychnidis Griffiths, 1967 E
maculigastra Shenefelt, 1974 E I
maculata (Nixon, 1944, *Dacnusa*) preocc.
merellus (Nixon, 1937, *Dacnusa*) E S I
merion (Nixon, 1945, *Dacnusa*) E
miodes (Nixon, 1949, *Gyrocampa*) E I
misellus (Marshall, 1895, *Dacnusa*) E
mitra (Nixon, 1945, *Dacnusa*) E S I
nanus (Nixon, 1943, *Dacnusa*) E
navicularis (Nees, 1812, *Bassus*) E
nerissa (Nixon, 1937, *Dacnusa*) E
nigriscaposus (Nixon, 1949, *Gyrocampa*) I
propodealis (Nixon, 1949, *Gyrocampa*)
ninella (Nixon, 1945, *Dacnusa*) E S I
nobilis Griffiths, 1968 E I
nomia (Nixon, 1937, *Dacnusa*) E I
nydia (Nixon, 1937, *Dacnusa*) E S I
orbiculatae Griffiths, 1967 E I
ovalis (Marshall, 1896, *Dacnusa*) E I
parvungula (Thomson, 1895, *Dacnusa*) E S I
acco (Nixon, 1943, *Dacnusa*)
perkinsi (Nixon, 1944, *Dacnusa*) E
petiolatus (Nees, 1834, *Alysia*) E S I
phaedra (Nixon, 1937, *Dacnusa*) E S
pimpinellae Griffiths, 1967 E
pione (Nixon, 1944, *Dacnusa*) E
poemyzae Griffiths, 1968 E S
posticus (Haliday, 1839, *Alysia*) E S I
gracilis (Nees, 1834, *Alysia*) van Achterberg (1997)
egregia (Marshall, 1895, *Dacnusa*)
dentatus (Tobias, 1962, *Dacnusa*) Tobias (1986)
pulverosus (Haliday, 1839, *Alysia*) E I
marsyas (Nixon, 1937, *Dacnusa*) van Achterberg (1997)
punctum (Goureau, 1851, *Dacnusa*) E S I
resa (Nixon, 1937, *Dacnusa*) E
rhanis (Nixon, 1943, *Dacnusa*) S
risilis (Nixon, 1949, *Gyrocampa*) I
rondanii (Giard, 1904, *Dacnusa*) E
galbus (Nixon, 1944, *Dacnusa*)
rotundiventris (Thomson, 1895, *Dacnusa*) I
rousseaui (Schulz, 1907, *Dacnusa*)⁴²
ruficollis (Stelfox, 1957, *Gyrocampa*) I
rufimarginatus (Stelfox, 1954, *Dacnusa*) I
scabiosae Griffiths, 1967 E
scabrifossa Stelfox, 1957 I
selene (Nixon, 1937, *Dacnusa*) E S
senilis (Nees, 1812, *Bassus*) E S I
tomentosus (Thomson, 1895, *Dacnusa*)
nemesis (Morley, 1924, *Dacnusa*)
sera (Nixon, 1937, *Dacnusa*) E
siniffa (Nixon, 1937, *Dacnusa*) E I
solstitialis (Stelfox, 1952, *Dacnusa*) E
spenceri Griffiths, 1964 E S
striola Stelfox, 1957 I
sylvestris Griffiths, 1967 E S I
talaris (Haliday, 1839, *Alysia*) E I

⁴¹ Synonymy first established in Shenefelt (1974) but overlooked until O'Connor *et al.* (1997).

⁴² The status of this taxon needs further research.

tamiris (Nixon, 1943, *Dacnusa*) E
tamsi (Nixon, 1944, *Dacnusa*) E
tanis (Nixon, 1945, *Dacnusa*) E
tenellae Griffiths, 1967 S I added by Griffiths (1984)
thecla (Nixon, 1943, *Dacnusa*) E
thisbe (Nixon, 1937, *Dacnusa*) E
thusa (Nixon, 1937, *Dacnusa*) E I
transversus (Nixon, 1954, *Dacnusa*) E S I
trilobomyzae Griffiths, 1968 E S
uliginosus (Haliday, 1839, *Alysia*) E I
thienemanni (Ruschka, 1913, *Gyrocampa*)
uma (Nixon, 1944, *Dacnusa*) E
varuna (Nixon, 1945, *Dacnusa*) E S
vernalis Griffiths, 1968 E
vitripennis Griffiths, 1968 S W I

COELINIUS Nees, 1818⁴³

CHAENON Curtis, 1829
LEPTON Zetterstedt, 1838
COPISURA Schiødte, 1837
COPIDURA Förster, 1862
POLEMON Giraud, 1863 preocc.
POLEMOCHARTUS Schulz, 1911
ERICOELINIUS Viereck, 1913
COELINIDEA Viereck, 1913
elegans (Curtis, 1829, *Chaenon*) E I
brevicornis (Curtis, 1829, *Chaenon*)
cingulata (Curtis, 1829, *Chaenon*)
rufinotata (Curtis, 1829, *Chaenon*)
similis (Curtis, 1829, *Chaenon*)
fuliginosus (Curtis, 1829, *Chaenon*) E
gracilis (Curtis, 1829, *Chaenon*) E I
attenuator (Zetterstedt, 1838, *Lepton*)
liparae (Giraud, 1863, *Polemon*) E
melas (Giraud, 1863, *Polemon*) E added by Shaw & Jennings (2008)
nigra (Nees, 1811, *Stephanus*) E I
affinis (Curtis, 1829, *Chaenon*)
nigricans (Westwood, 1835, *Chaenon*)
olivieri (Guérin-Ménéville, 1842, *Alysia*)
obscurus (Curtis, 1829, *Chaenon*) E
parvulus (Nees, 1811, *Chaenon*) E S I M
?cultriformis (Latreille, 1802, *Ichneumon*)
circulator (Gravenhorst, 1807, *Ichneumon*) preocc.
anceps (Curtis, 1829, *Chaenon*)
rimator (Schiødte, 1837, *Copisura*)
bicarinatus Herrich-Schäffer, 1838
flexuosus Herrich-Schäffer, 1838
bicolor Maréchal, 1938
podagrica (Haliday, 1839, *Alysia*) I
ruficollis (Herrich-Schäffer, 1838, *Coelinus*) E
procera (Haliday, 1839, *Alysia*)
vidua (Curtis, 1829, *Chaenon*) E I
atra (Curtis, 1837, *Chaenon*) nom. nud.

COLONEURA Förster, 1862

ISOMERISTA Förster, 1862
TRISISA Förster, 1862
MERITES Nixon, 1943

⁴³ Griffiths (1964) proposed that *Polemochartus* (including here *liparae* and *melas*) and *Coelinidea* (all other species here except *parvulus*) should be included as subgenera in *Coelinus*. Wharton & Austin (1991), Wharton (1994) and Kula (2008) supported the concept of an enlarged *Coelinus* but, pointing to intermediate taxa in the Oriental Region, argued against the retention of subgenera. Wharton & Austin (1991) also showed *Lepton* had priority over *Coelinidea* (although Taxapad lists *Lepton*, unreferenced, as a junior homonym of *Lepton* Turton, 1822 (Mollusca)). There has been no recent revision of the species of *Coelinus* previously included in *Lepton* (= *Coelinidea*).

PRIAPSIS Nixon, 1943
dice (Nixon, 1943, *Priapsis*) E
stylata Förster, 1862 E I
exilis (Förster, 1862, *Trisisa*)
oligomera (Förster, 1862, *Isomerista*)
taras (Nixon, 1943, *Merites*)

DACNUSA Haliday, 1833
AGONIA Förster, 1862
APHANTA Förster, 1862
BRACHYSTROPHA Förster, 1862
LIPOSCIA Förster, 1862
PACHYSEMA Förster, 1862
RHIZARCHA Förster, 1862
TANYSTROPHA Förster, 1862
RADIOLARIA Provancher, 1886
COLONEURELLA van Achterberg, 1976
abdita Haliday, 1838 E S W I
incidens Thomson, 1895
lepida Marshall, 1896
adducta (Haliday, 1839, *Alysia*) E S I
abducta misspelling
alticeps Nixon, 1937 E S
angelicina Griffiths, 1967 S added by Godfray & Bland (in review)
aquilegiae Marshall, 1896 E S
areolaris (Nees, 1811, *Bracon*) E S W I
lysias Goureaux, 1851
astarte (Nixon, 1948, *Rhizarcha*) E
aterrima Thomson, 1895 E
confinis Ruthe, 1859 E W I
minuta (Curtis, 1826, *Alysia*)⁴⁴
delphinii Griffiths, 1967 E
discolor (Förster, 1862, *Liposcia*) E S I
cercides (Nixon, 1954, *Pachysema*)
dryas (Nixon, 1948, *Rhizarcha*) E
ergeteles (Nixon, 1954, *Pachysema*) I
euphrasiella Griffiths, 1984 I added by Griffiths (1984)
evadne Nixon, 1937 E S I
faeroeensis (Roman, 1917, *Rhizarcha*) E S W I
lestes Nixon, 1937
fasciata Stelfox, 1954 I
hospita (Förster, 1862, *Aphanta*) E S I
laeta (Nixon, 1954, *Pachysema*) S I
laevipectus Thomson, 1895 E S W I
nox (Morley, 1924, *Rhizarcha*)
lissos (Nixon, 1954, *Pachysema*) E
longiradialis Nixon, 1937 E S I
lugens (Haliday, 1839, *Alysia*) E I
macrospila (Haliday, 1839, *Alysia*) E S I
maculipes Thomson, 1895 E S W I
maxima (Fischer, 1961, *Pachysema*) W
melicerta (Nixon, 1954, *Pachysema*) E S I
fumipes Tobias, 1998
merope (Nixon, 1948, *Rhizarcha*) E
metula (Nixon, 1954, *Pachysema*) E S I
monticola (Förster, 1862, *Brachystropha*) I
mutia (Nixon, 1948, *Rhizarcha*)
coracina Stelfox, 1957
nigrella Griffiths, 1967 S added by Godfray & Bland (2011)
nigropygmaea Stelfox, 1954 I
obesa Stelfox, 1954 S I
ocyroe Nixon, 1937 E S W I

⁴⁴ Listed as a species of *Alysia* by Shenefelt (1974) and Fitton *et al.* (1978) though a junior homonym of *Alysia minuta* Nees, 1812; Wharton (1986) showed it to belong to *Dacnusa* and van Achterberg (in litt.) that it was conspecific with *confinis*.

plantaginis Griffiths, 1967 E S W I
discolor misident.
pubescens (Curtis, 1826, *Alysia*) E S I
exserens (Nees, 1834, *Alysia*)
sibirica Telenga, 1934 E S W I
comis (Nixon, 1954, *Pachysema*)
soma (Nixon, 1948, *Rhizarcha*) S I
stramineipes (Haliday, 1839, *Alysia*) E S I
haemorrhoea (Förster, 1862, *Tanystropha*)
longicauda Thomson, 1895⁴⁵
tarsalis Thomson, 1895 E S W I
nitetis (Nixon, 1948, *Rhizarcha*)
temula (Haliday, 1839, *Alysia*) E S I
veronicae Griffiths, 1967 E S

EPIMICTA Förster, 1862
marginalis (Haliday, 1839, *Alysia*) E I

EXOTELA Förster, 1862
MESORA Förster, 1862
TOXELEA Nixon, 1943
ANTRUSA Nixon, 1943
cyclogaster Förster, 1862 E S W I
bellina (Nixon, 1937, *Dacnusa*)
umbellina (Nixon, 1954, *Toxelea*)⁴⁶
sonchina Griffiths, 1967
dives (Nixon, 1954, *Toxelea*) I
flavicoxa (Thomson, 1895, *Dacnusa*) E S I
gilvipes (Haliday, 1839, *Alysia*) E S I
albilabris (Thomson, 1895, *Dacnusa*)
hera (Nixon, 1937, *Dacnusa*) E S M
interstitialis (Thomson, 1895, *Dacnusa*)⁴⁷
mamertes (Nixon, 1943, *Dacnusa*)
lonicerae Griffiths, 1967 E S
melanocera (Thomson, 1895, *Dacnusa*) E I
persimilis (Nixon, 1954, *Antrusa*)
phryne (Nixon, 1954, *Toxelea*) E S
spinifer (Nixon, 1954, *Toxelea*) E S I
sulcata (Tobias, 1962, *Pachysema*) E S I
vaenia (Nixon, 1954, *Antrusa*) E
viciae Griffiths, 1984 E

added by Griffiths (1984)

LAOTRIS Nixon, 1943
striatula (Haliday, 1839, *Alysia*) E S I

PROTODACNUSA Griffiths, 1964
litoralis Griffiths, 1964 I
tristis (Nees, 1834, *Alysia*) E I
ampliator (Haliday, 1839, *Alysia*) preocc.
longistigma (Telenga, 1935, *Dacnusa*)

SAROPS Nixon, 1942
rea Nixon, 1942 E

SYNELIX Förster, 1862
ECTILIS Nixon, 1943
semirugosa (Haliday, 1839, *Alysia*) E S W I
agnata Förster, 1862
amaurosomae (Telenga, 1935, *Dacnusa*)

⁴⁵ Synonym in Nixon (1948) though overlooked in Fitton *et al.* (1978).

⁴⁶ Griffiths (1967b) divided *cyclogaster* into three subspecies, nominate *cyclogaster*, *umbellina* and *sonchina*. Tobias (1986) later treated these as separate species although Godfray (1984) argued *umbellina* and *cyclogaster* were host race variants. Pending further research they are treated here as a single taxon.

⁴⁷ Has also been placed in *Chorebus* and needs further research.

TATES Nixon, 1943

heterocera (Thomson, 1895, *Dacnusa*) E S

TRACHIONUS Haliday, 1833

Subgenus **TRACHIONUS** Haliday, 1833

AENONE Curtis, 1837 preocc. van Achterberg (1997)

AENONE Haliday, 1838 preocc., nom. nud.

van Achterberg (1997)

OENONE Haliday, 1839 preocc.

van Achterberg (1997)

SYMPHYA Förster, 1862

van Achterberg (1997)

ANARMUS Ruthe, 1882

van Achterberg (1997)

mandibularis (Nees, 1816, *Sigalphus*) E I

Subgenus **PLANIRICUS** Perepechayenko, 2000

hians (Nees, 1816, *Sigalphus*) E S I

ringens (Haliday, 1839, *Alysia*) E I

Subfamily APHIDIINAE Haliday, 1833⁴⁸

Tribe APHIDIINI Haliday, 1833

ADIALYTUS Förster, 1862

ambiguus (Haliday, 1834, *Aphidius*) S

diminuens (Nees, 1834, *Aphidius*)

exiguus (Haliday, 1834, *Aphidius*)⁴⁹

delhiensis (Subba Rao & Sharma, 1960, *Aphidius*)

arvicola (Starý, 1961, *Lysiphlebus*)

mackaueri (Starý, 1961, *Lysiphlebus*)

crocinus (Mackauer, 1962, *Lysiphlebus*)

salicaphis (Fitch, 1855, *Trioxys*) E W

added by Baker & Broad (2009)

populaphis (Fitch, 1855, *Trioxys*)

tenuis Förster, 1862

salicaphidis (Ashmead, 1889, *Lipolexis*)

laticephalus (Telenga, 1953, *Aphidius*)

APHIDIUS Nees, 1818

INCUBUS Schrank, 1802 suppressed

THERACMION Holmgren, 1872

EUAPHIDIUS Mackauer, 1961

aquilus Mackauer, 1961 E

sicarius Mackauer, 1961

callipterinellae (Takada, 1966, *Lysaphidus*)

asteris Haliday, 1834 E

melanocephalus (Nees, 1811, *Bracon*)

lutescens Haliday, 1834

absinthii Marshall, 1896

commodus Gahan, 1926

artemisiae Ivanov, 1927

avenae Haliday, 1834 E I

picipes (Nees, 1811, *Bracon*) suppressed

crithmi Marshall, 1896

granarius Marshall, 1896

pascuorum Marshall, 1896

hungaricus (Györfi, 1958, *Lysiphlebus*)

caraganae Starý, 1963

cingulatus Ruthe, 1859 E

arcticus (Holmgren, 1872, *Theracmion*)

gregarius Marshall, 1872

lachni Ashmead, 1889

pterocommae Ashmead, 1889

⁴⁸ In the older literature (and some very recent literature) often treated as a separate family (i.e. Aphidiidae) within Ichneumonidea. Some distribution data from Mackauer (1961) and Starý (1978).

⁴⁹ The type is lost (van Achterberg, 1997).

pterocommae Marshall, 1896 preocc.
luzhetzki Telenga, 1958
#colemani Viereck, 1912⁵⁰
huebrichi Brèthes, 1913
platensis Brèthes, 1913
porteri Brèthes, 1915
aphidiphilus Benoit, 1955
leroyi Benoit, 1955
transcaspicus Telenga, 1958
eadyi Starý, Gonzalez & Hall, 1980 E added by Müller *et al.* (1999)
urticae misident.
eglanteriae Haliday, 1834
ervi Haliday, 1834 E I
infirmus (Nees, 1811, *Bracon*)
ulmi Marshall, 1896
medicaginis Marshall, 1898
fumipennis Györfi, 1958
nigrescens Mackauer, 1962
mirotarsi Starý, 1963
fumatus Haliday, 1834
funebri Mackauer, 1961 E W added by Pennacchio (1989)
cirsii Ivanov, 1925 preocc.
bispinosus Telenga, 1958
eriophori Mackauer, 1967
hortensis Marshall, 1896 E
berberidis Smith, 1944
matricariae Haliday, 1834 E I
arundinis Haliday, 1834
cirsii Haliday, 1834 preocc.
phorodontis Ashmead, 1889
chrysanthemi Marshall, 1896
lychnidis Marshall, 1896
polygoni Marshall, 1896
affinis Quilis, 1931
baudysi Quilis, 1931
discrytus Quilis, 1931
merceti Quilis, 1931
obscuriformis Quilis, 1931
valentinus Quilis, 1931
renominatus Hincks, 1943
nigriteleus Smith, 1944
microlophii Pennacchio & Tremblay, 1987 E added by Pennacchio (1989)⁵¹
hopalosiphi de Stefani-Perez, 1902 E
equiseticola Starý, 1963
poacearum Starý, 1963
ribis Haliday, 1834 E
ribaphidis (Ashmead, 1889, *Lysiphlebus*)
scabiosae Marshall, 1896
ribis Ashmead, 1898 preocc.
rosae Haliday, 1833 E I
aphidum (Linnaeus, 1758, *Ichneumon*) suppressed
aphidator (Thunberg, 1824, *Ichneumon*) suppressed
rosae Curtis, 1831 nom. nud.
protaeus Wesmael, 1835
rosarum Nees, 1834
xanthostoma Bouché, 1834
protaeus Wesmael, 1835
cancellatus Buckton, 1876
rubi Starý, 1962⁵² E added by Müller *et al.* (1999)
salicis Haliday, 1834 E
restrictus Nees, 1834

⁵⁰ Introduced to greenhouses for biocontrol (Starý, 1975).

⁵¹ Also recorded by Müller *et al.* (1999).

⁵² See Belshaw (appendix in Müller *et al.*, 1999) for reasons why this species should be treated as separate from *urticae*.

duodecimarticulatus Ratzeburg, 1852
dauci Marshall, 1896
setiger (Mackauer, 1961, *Euaphidius*) W added by Baker & Broad (2009)
aceri Ivanov, 1925
sonchi Marshall, 1896 E
tanacetarius Mackauer, 1962⁵³
tanacetii Curtis, 1837 nom. nud.
tanaceticola Stary, 1963
urticae Haliday, 1834 E
euphorbiae Marshall, 1896
longulus Marshall, 1896
lonicerae Marshall, 1896
silenes Marshall, 1896
goidanichi Quilis, 1932
ivanovae Telenga, 1958
rubi Stary, 1962
silvaticus Stary, 1962
aulacorthi Stary, 1963
uzbekistanicus Luzhetskii, 1960 E
urticae misident. Powell (1982)
?beltrani Quilis, 1931⁵⁴
?indivisus Quilis, 1931
?macropterus Quilis, 1931
?pailloti Quilis, 1931
impressus Mackauer, 1965

doubtfully placed species

[constrictus] (Nees, 1811, *Bracon*)⁵⁵
[dimidiatus] Curtis, 1831
[pallidinotus] Haliday, 1834 nom. nud.]
[pseudoplatanus] Curtis, 1837⁵⁶
constrictus misident.]
[viminalis] Haliday, 1834 nom. nud.]

BETULOXYS Mackauer, 1960
compressicornis (Ruthe, 1859, *Trioxys*) E I
testaceus (Stelfox, 1948, *Trioxys*)

BINODOXYS Mackauer, 1960
MISAPHIDUS Rondani, 1848 unavailable⁵⁷
acalephae (Marshall, 1896, *Aphidius*) E
rietscheli (Mackauer, 1959, *Trioxys*)
urticae (Mackauer, 1959, *Trioxys*)
angelicae (Haliday, 1833, *Aphidius*)
placidus (Gautier, 1922, *Trioxys*)
boscai (Quilis, 1931, *Trioxys*)
fumariae (Quilis, 1931, *Trioxys*)
granatensis (Quilis, 1931, *Trioxys*)
obscuriformis (Quilis, 1931, *Trioxys*)
amoplanus (Quilis, 1934, *Trioxys*)
mediterraneus (Mackauer, 1960, *Trioxys*)
wollastonii (Cabrera, 1962, *Trioxys*) nom. nud.

⁵³ Belokobylskij *et al.* (2003) treat *tanacetarius* as the valid name for *tanacetii*, which is a *nomen nudum*. This species has not been treated as British since its original description (Curtis, 1837) and Smith's (1853) catalogue. Pungertl (1986) treated *tanacetarius* as a valid species but did not see any British or Irish material.

⁵⁴ A possible senior synonym of *uzbekistanicus* (Stary, 1973).

⁵⁵ Included as a British species by Lyle (1933) on the basis of Szépligeti's (1904) Palaearctic catalogue; the type is lost and the species has not been interpreted by recent authors.

⁵⁶ There have been no references to this species other than Smith's and Marshall's (1872) catalogue listings. Proposed as a name for the species called *Aphidius constrictus* by Haliday, it has not been interpreted by recent authors.

⁵⁷ In Belokobylskij *et al.* (2003), van Achterberg listed these species under the genus name *Misaphidius* but, according to van Achterberg (pers. comm.), *Misaphidius* Rondani, 1848 *s.l.* (type-species: *Misaphidius crudelis* Rondani, 1848 (= *Aphidius centaureae* Haliday, 1833)) is an unavailable name as it is a '*nomen oblitum*' according to Article 23.9 of ICZN.

sikkimensis (Raychaudhuri, Samanta, Pramanik, Tamili & Sarkar, 1990, *Trioxys*)
brevicornis (Haliday, 1833, *Aphidius*) I
minutus (Haliday, 1833, *Aphidius*)
centaureae (Haliday, 1833, *Aphidius*) E
crudelis (Rondani, 1848, *Misaphidius*)
orientalis (Starý & Schlinger, 1967, *Trioxys*)
uroleucon Takada & Rishi, 1980
heraclei (Haliday, 1833, *Aphidius*)
obsoletus (Wesmael, 1835, *Aphidius*)
variegator (Szépligeti, 1898, *Trioxys*)
letifer (Haliday, 1833, *Aphidius*) I

DIAERETELLUS Starý, 1960
ephippium (Haliday, 1834, *Aphidius*) I

DIAERETIELLA Starý, 1960
rapae (M'Intosh, 1855, *Aphidius*) E
vulgaris (Bouché, 1834, *Aphidius*)
rapae (Curtis, 1860, *Aphidius*) preocc.
chenopodii (Förster, 1867, *Diaeretus*) nom. nud.
halticae (Rondani, 1877, *Misaphidius*)
piceus (Cresson, 1879, *Trioxys*)
chenopodiaphidis (Ashmead, 1889, *Lipolexis*)
ferruginipes (Ashmead, 1890, *Diaeretus*) nom. nud.
brassicae (Marshall, 1896, *Aphidius*)

DIAERETUS Förster, 1862
leucopterus (Haliday, 1834, *Aphidius*) E
expectatus (Gautier & Bonnamour, 1936, *Aphidius*)

HARKERIA Cameron, 1900
PARAMONOTONUS Starý, 1959
rufa Cameron, 1900 E⁵⁸

LIPOLEXIS Förster, 1862
GYNOCRYPTUS Quilis, 1931
gracilis Förster, 1862 E NHM, det. Torrance & Broad, added here
palpator (Gautier & Bonnamour, 1931, *Aphidius*)
pieltaini (Quilis, 1931, *Gynocryptus*)
chinensis Chen, 1980

LYSAPHIDUS Smith, 1944
schimitscheki Starý, 1960 E

LYSIPHLEBUS Förster, 1862
Subgenus **LYSIPHLEBUS** Förster, 1862
PLATYCYPHUS Mackauer, 1960
dissolutus (Nees, 1811, *Bracon*) E
macrocornis Mackauer, 1960

Subgenus **PHLEBUS** Starý, 1975
APHIDARIA Provancher, 1888 preocc.
confusus Tremblay & Eady, 1978 E W NHM, added here⁵⁹
fabarum (Marshall, 1896, *Aphidius*) E
aphidiperda (Rondani, 1877, *Misaphidius*)
monilicornis (Thomson, 1895, *Aphidius*)
cardui (Marshall, 1896, *Aphidius*)
aurantii (Pierantoni, 1907, *Aphidius*)
polygoni (Ivanov, 1927, *Aphidius*) preocc.
gomezi (Quilis, 1930, *Aphidius*)
janinii (Quilis, 1930, *Aphidius*)

⁵⁸ Distribution from van Achterberg (1989), who elevated *Harkeria* from a subgenus of *Monoctonus*.

⁵⁹ Included on the basis of specimens in NHM, identified by R.D. Eady as *ambiguus sensu* Mackauer and Starý *nec* Haliday, later described by Tremblay & Eady (1978) as a separate species, *confusus*, the true *ambiguus* belonging in *Adialytus*.

inermis Quilis, 1931
innovatus Quilis, 1931
moroderi Quilis, 1931
ivanovi Mackauer, 1967

MONOCTONUS Haliday, 1833

Subgenus **FALCICONUS** Mackauer, 1961

pseudoplatani (Marshall, 1896, *Aphidius*) E

Subgenus **MONOCTONUS** Haliday, 1833

caricis (Haliday, 1833, *Aphidius*) E

cerasi (Marshall, 1896, *Aphidius*) E

crepidis (Haliday, 1834, *Aphidius*) E

tuberculatus (Wesmael, 1835, *Aphidius*)

paludum Marshall, 1896

ligustri van Achterberg, 1989 E

added by van Achterberg (1989)

nervosus (Haliday, 1833, *Aphidius*)

paulensis (Ashmead, 1902, *Aphidius*)

secundus Viereck, 1915

biroi Györfi, 1958

breviantennalis Stárý, 1959

PARALIPSIS Förster, 1862

MYRMECOBOSCA Maneval, 1940

enervis (Nees, 1834, *Aphidius*) W

mandibularis (Maneval, 1940, *Myrmecobosca*)

linnei (Hincks, 1949, *Myrmecobosca*)

PAUESIA Quilis Pérez, 1931

Subgenus **PARAPHIDIUS** Stárý, 1958

abietis (Marshall, 1896, *Aphidius*) E

cupressobii (Stárý, 1960, *Paraphidius*) S NHM, det. Gärdenfors, added here

juniperorum (Stárý, 1960, *Paraphidius*) E S

pini (Haliday, 1834, *Aphidius*) E S W I

planistipes (Nees, 1834, *Aphidius*)

varia (Nees, 1834, *Aphidius*)

panzerii (Rondani, 1848, *Aphidius*)

lachnivorus (Ashmead, 1906, *Aphidius*)

Subgenus **PAUESIA** Quilis Pérez, 1931

infulata (Haliday, 1834, *Aphidius*) S

albiflagellaris (Stárý, 1960, *Paraphidius*)

laricis (Haliday, 1834, *Aphidius*)

picta (Haliday, 1834, *Aphidius*) W

unilachni (Gahan, 1926, *Aphidius*) E W added by Belshaw & Quicke (1997)

albuferensis Quilis, 1931

praevisus (Gautier & Bonnamour, 1936, *Aphidius*)

basilewskyi (Benoit, 1955, *Trioxys*)

TRIOXYS Haliday, 1833

Subgenus **PECTOXYS** Mackauer, 1960

macroceratus Mackauer, 1960

Subgenus **TRIOXYS** Haliday, 1833

APHIDILEO Rondani, 1877

NEVROPENES Provancher, 1886

BIOXYS Stárý & Schlinger, 1967

auctus (Haliday, 1833, *Aphidius*) I

flaviceps Szépligeti, 1898

betulae Marshall, 1896 E

solani Ivanov, 1925

hincksi Mackauer, 1960

cirsii (Curtis, 1831, *Aphidius*) E I

aceris (Haliday, 1833, *Aphidius*)

curvicaudus Mackauer, 1967 E

added by Stárý (1978)

falcatus Mackauer, 1959 W added by Baker & Broad (2009)

ibis Mackauer, 1961

pallidus (Haliday, 1833, *Aphidius*) E
resolutus (Nees, 1834, *Aphidius*)
callipteri (Marshall, 1896, *Aphidius*)
pulcher Gautier & Bonnamour, 1924

Tribe EPHEDRINI Mackauer, 1961

EPHEDRUS Haliday, 1833⁶⁰

ELASSUS Wesmael, 1835

Subgenus **BREVIEPHEDRUS** Gärdenfors, 1986

brevis Stelfox, 1941 E S I

picticornis Stelfox, 1941

niger Stelfox, 1941 nom. nud.

Subgenus **EPHEDRUS** Haliday, 1833

cerasicola Starý, 1962 E

added by Van Veen *et al.* (2008)

lacertosus (Haliday, 1833, *Aphidius*) E S I

muesebecki Smith, 1944

laevicollis (Thomson, 1895, *Aphidius*) I

brevicornis (Nees, 1834, *Aphidius*) preocc.

minor Stelfox, 1941

salicicola Takada, 1968

niger Gautier, Bonnamour & Gaumont, 1929 E

added by Van Veen *et al.* (2008)

?*aphidivora* (Rondani, 1848, *Alysia*)

Papp (1996a)

campestris Starý, 1962

persicae Froggat, 1904 E I

nevadensis Baker, 1909

nitidus Gahan, 1917

vidali Quilis, 1931

interstitialis Watanabe, 1941

pulchellus Stelfox, 1941

impressus Granger, 1949

holmani Starý, 1958

palaestinensis Mackauer, 1959

plagiator (Nees, 1811, *Bracon*) E S I

parcicornis (Nees, 1834, *Aphidius*)

japonicus Ashmead, 1906

homostigma Fahringer, 1934

Subgenus **LYSEPHEDRUS** Starý, 1958

validus (Haliday, 1833, *Aphidius*) E I

TOXARES Haliday, 1840

TRIONYX Haliday, 1833 preocc.

TERONYX Haldeman, 1842

deltiger (Haliday, 1833, *Aphidius*) E I

flaveolus (Györfi, 1958, *Ephedrus*)

Tribe PRAINI Mackauer, 1961

AREOPRAON Mackauer, 1959⁶¹

MESOPRAON Starý, 1981

Tomanović *et al.* (2006)

lepelleyi (Waterston, 1926, *Praon*) E

silvestre (Starý, 1971, *Praon*)⁶² W

added by Baker & Broad (in prep.)

DYSCRITULUS Hincks, 1943

DYSCRITUS Marshall, 1896 preocc.

⁶⁰ Synonymy and distribution data from Gärdenfors (1986).

⁶¹ Regarded as a separate genus by Tomanović *et al.* (2006), rather than as a subgenus of *Praon*, as listed in Yu *et al.* (2009).

⁶² Transferred to *Areopraon* by Tomanović *et al.* (2006).

planiceps (Marshall, 1896, *Dyscritus*) E
pygmaeus Mackauer, 1961

species excluded from the British and Irish list
[**suffolciensis** (Morley, 1933, *Dyscritus*)⁶³ E]

PRAON Haliday, 1833

ACHORISTUS Ratzeburg, 1852

APHIDARIA Provancher, 1886

PARAPRAON Starý, 1983

abjectum (Haliday, 1833, *Aphidius*) E I

aphidiiforme (Ratzeburg, 1852, *Bracon*)

peregrinum Ruthe, 1859

absinthii Bignell, 1894⁶⁴

barbatum Mackauer, 1967 E

NHM, det. Torrance & Broad, added here
added by Baker & Broad (2009)

bicolor Mackauer, 1959 W

dorsale (Haliday, 1833, *Aphidius*) E I

discolor (Nees, 1834, *Blacus*)

collare Förster, 1867 nom. nud.

exsoletum (Nees, 1811, *Bracon*)

palitans Muesebeck, 1956

flavinode (Haliday, 1833, *Aphidius*) E

emacerator (Nees, 1834, *Blacus*)

glabrum Starý & Schlinger, 1967

gallicum Starý, 1971 E

added by Traugott *et al.* (2008)

longicorne (Marshall, 1896, *Aphidius*) W

grossum Starý, 1971

necans Mackauer, 1959 W

added by Baker & Broad (in prep.)

nymphaeae Subba Rao, Sarup & Sharma, 1963

spinosum Mackauer, 1959 W

added by Baker & Broad (2009)

volucre (Haliday, 1833, *Aphidius*) E I

angulator (Nees, 1834, *Blacus*)

aphidivorum (Ratzeburg, 1844, *Aphidius*)

pruni Ivanov, 1925

breve Fahringer, 1935

mongolicum Watanabe, 1949

myzophagum Mackauer, 1959

species excluded from the British and Irish list

[**simulans** (Provancher, 1886, *Aphidaria*)⁶⁵

aguti Smith, 1944]

Subfamily BRACHISTINAE Förster, 1862⁶⁶

CALYPTINAE Marshall, 1872

Tribe BLACINI Förster, 1862⁶⁷

BLACOMETEORUS Tobias, 1976

brevicauda (Hellén, 1958, *Diospilus*) E

added by van Achterberg (1988a); Shaw (1996b)

pusillus (Hellén, 1958, *Diospilus*) E

added by Shaw (1996b)

⁶³ According to Starý (1959), this species, described from an English specimen, is actually a species of Euphorinae, although its identity has not yet been established.

⁶⁴ Erroneously listed in Taxapad as a junior synonym of *flavinode*; see, for example, Kavallieratos *et al.* (2005).

⁶⁵ A Nearctic species, listed by Kloet & Hincks (1945) in error.

⁶⁶ Following the molecular phylogenetic results of Belshaw *et al.* (2000), van Achterberg (2003c) and Belokobylskij *et al.* (2003) treat the Brachistinae as a subfamily separate from Helconinae. Sharanowski *et al.* (2011) expanded the limits of the Brachistinae by including the tribe Diospilini and the former subfamily Blacinae (as well as the extralimital Brulleiini). The tribes employed here are those that have been used in previous classifications under the former subfamilies, but the tribal classification remains essentially untested.

⁶⁷ Generally considered to be a distinct subfamily, Sharanowski *et al.* (2011) found that the blacines nested within the Brachistinae in their molecular phylogenetic analyses. We think it likely that these results will be upheld with further phylogenetic work and follow Sharanowski *et al.*'s (2011) recommended changes to the subfamily classification. Distribution and taxonomic data from van Achterberg (1988a), with additional references given. Note that Tobias (1986) records *B. (Neoblacus) koenigi* Fischer, 1967 from England but there is no evidence that this species occurs here.

BLACUS Nees, 1818

Subgenus **BLACUS** Nees, 1818

GONIOCORMUS Förster, 1862

MIOCOLUS Förster, 1862

errans (Nees, 1811, *Bracon*) E

vagans Ruthe, 1861

exilis (Nees, 1811, *Bracon*) E I

lactucaphis (Fitch, 1855, *Aphidius*)

pallipes (Förster, 1862, *Miocolus*)

pallidipes (Dalla Torre, 1898, *Miocolus*)

nanus Ashmead, 1905 nom. nud.

propallipes Shenefelt, 1969

intermedius Janzon, 1975

filicornis Haeselbarth, 1973 E I

forticornis Haeselbarth, 1973 E

hastatus Haliday, 1835 E S I

terebrator Ruthe, 1861

humilis (Nees, 1811, *Bracon*) E W I

trivialis Haliday, 1835

wesmaeli Ruthe, 1861

instabilis Ruthe, 1861 E S I

petiolatus Haeselbarth, 1973 nom. nud.

leptostigma Ruthe, 1861 I

longipennis (Gravenhorst, 1809, *Ophion*) E S I

dubius Ruthe, 1861

nigricornis Haeselbarth, 1973 E S I

paganus Haliday, 1835 I

brevicornis Ruthe, 1861

stelfoxi Haeselbarth, 1973 E⁶⁸

Subgenus **GANYCHORUS** Haliday, 1835

ambulans Haliday, 1835 I

armatulus Ruthe, 1861 E

diversicornis Nees, 1834 E I

compar Ruthe, 1861

macropterus Haeselbarth, 1973 E S⁶⁹

maculipes Wesmael, 1835 E S I

nitidus Haeselbarth, 1973 E

petiolatus Tobias, 1976

pallipes Haliday, 1835⁷⁰ E I

barynoti misident.

tuberculatus Wesmael, 1835

florus Goureaux, 1851

ruficornis (Nees, 1811, *Bracon*) E S W I

bisstigmatus (Say, 1836, *Microgaster*)

tipulator (Zetterstedt, 1838, *Bracon*)

cerealis (Curtis, 1860, *Dacnusa*)

pallidipes (Costa, 1885, *Dinocampus*)

dentatus Hellén, 1958

strictus Stelfox, 1941 S I

strictus (Curtis, 1837, *Ganychorus*) nom. nud.

tripudians Haliday, 1835 E I

Subgenus **HYSTEROBOLUS** Viereck, 1913

mamillanus Ruthe, 1861 E

aptenodytes Marshall, 1889

⁶⁸ The holotype was collected in Sandhurst, Kent (Haeselbarth, 1973) but not listed for Britain or Ireland by van Achterberg, (1988a).

⁶⁹ Described as a subspecies of *ambulans* by Haeselbarth (1973), so not listed by Fitton *et al.* (1978). Treated as a separate species by van Achterberg (1997).

⁷⁰ Included, as *barynoti* (Boudier, 1834) (a junior synonym of *Pygostolus sticticus*), as a doubtfully placed species by Fitton *et al.* (1978).

Tribe BRACHISTINI Förster, 1862

EUBAZUS Nees, 1814

Subgenus **ALIOLUS** Say, 1836

lepidus (Haliday, 1835, *Helcon*) E

hofferi (Šnoflák, 1953, *Triaspis*) van Achterberg (2003c)

kusarensis (Abdinbekova, 1969, *Allodorus*)

van Achterberg (2003c)

Subgenus **ALLODORUS** Förster, 1862

convexo van Achterberg, 2000 S

added by van Achterberg (2000)

semirugosus (Nees, 1816, *Sigalphus*) E S

rufipes (Herrich-Schäffer, 1838, *Eubadizon*)

tuberculator (Zetterstedt, 1838, *Bracon*)

curculionum (Hartig, 1847, *Sigalphus*)

atricornis (Ratzeburg, 1848, *Brachistes*)

mucronatus (Thomson, 1892, *Calyptus*)

truncatus (Thomson, 1892, *Calyptus*)

glabratus (Fahringer, 1941, *Calyptus*)

arete (Fahringer, 1944, *Calyptus*)

tricoloripes van Achterberg, 2000 E

added by van Achterberg (2000)

Subgenus **BRACHISTES** Wesmael, 1835

fasciatus (Nees, 1816, *Sigalphus*) E I

fuscipalpis (Wesmael, 1835, *Brachistes*)

minutus (Ratzeburg, 1848, *Brachistes*) E

ruficoxis (Wesmael, 1835, *Brachistes*) E

politus (Ratzeburg, 1852, *Brachistes*)

van Achterberg in Belokobylskij *et al.* (2003)

byctisci (Watanabe, 1933, *Calyptus*)

ruficornis misspelling

segmentatus (Marshall, 1889, *Calyptus*) E

semicastaneus (Marshall, 1893, *Calyptus*) E

tibialis (Haliday, 1835, *Helcon*) E S I

uncigenus (Wesmael, 1835, *Brachistes*)

Subgenus **CALYPTUS** Haliday, 1835

macrocephalus Nees, 1812 E

synchitae (Hedqvist, 1956, *Eubadizon*)

ratzeburgi (Fischer, 1962, *Eubadizon*)

van Achterberg in Belokobylskij *et al.* (2003)

xiphydriae Tobias, 1986

van Achterberg in Belokobylskij *et al.* (2003)

sigalphoides (Marshall, 1889, *Calyptus*) E

Subgenus **EUBAZUS** Nees, 1814

EUBADIZON Nees, 1834

EUBADIZUS Nees, 1834

flavipes (Haliday, 1835, *Helcon*) E I

laevis (Herrich-Schäffer, 1838, *Eubadizon*)

longicauda (Curtis, 1832, *Zelee*)⁷¹ E

pallipes Nees, 1814 E

coxalis (Nees, 1834, *Eubadizon*)

semistriatus (Haliday, 1835, *Helcon*) unavailable

americanus (Cresson, 1872, *Eubadizon*)

pallipede misspelling

pallidipes misspelling

pollipes misspelling

FOERSTERIA Szépligeti, 1896

laeviuscula Szépligeti, 1896 E S

NMS, det. van Achterberg, added here

puber (Haliday, 1835, *Helcon*) E I

opaca (Reinhard, 1867, *Calyptus*)

flavipes Szépligeti, 1896

talitzkii Tobias, 1961

⁷¹ Listed as a species of *Zelee* (= *Homolobus*) in Fitton *et al.* (1978). Will be synonymised under another species of *Eubazus* (van Achterberg, pers. comm.).

SCHIZOPRYMNUS Förster, 1862
ambiguus (Nees, 1816, *Sigalphus*) E I
obscurus (Nees, 1816, *Sigalphus*) E

species excluded from the British and Irish list
[**nigripes** (Thomson, 1892, *Sigalphus*)⁷²]

TRIASPIS Haliday, 1838

MUIRIELLA Fullaway, 1919

aciculata (Ratzeburg, 1848, *Sigalphus*)⁷³ E NHM, NMS, det. van Achterberg, added here

caledonica (Marshall, 1888, *Sigalphus*) S

caudata (Nees, 1816, *Sigalphus*) E I

gracilis (Herrich-Schäffer, 1840, *Sigalphus*)

australis (Szépligeti, 1901, *Sigalphus*)

arctica Hellén, 1958

flavipalpis (Wesmael, 1835, *Sigalphus*) E

floricola (Wesmael, 1835, *Sigalphus*) E I

minima Snoflák, 1953

luteipes (Thomson, 1874, *Sigalphus*) E

obscorella (Nees, 1816, *Sigalphus*) E

simulator (Szépligeti, 1901, *Sigalphus*)

pallipes (Nees, 1816, *Sigalphus*) E I M Shaw & Askew (1976)

fulvipes (Haliday, 1835, *Helcon*)

fagi (Ratzeburg, 1852, *Brachistes*)

similis (Szépligeti, 1901, *Sigalphus*) preocc.

pallidipes misspelling

striatula (Nees, 1816, *Sigalphus*) E I

thoracica (Curtis, 1860, *Sigalphus*)⁷⁴ E

gibberosa (Szépligeti, 1901, *Sigalphus*) Papp (2004a)

rugosa (Szépligeti, 1901, *Sigalphus*) Papp (2004a)

species excluded from the British and Irish list
[**striola** (Thomson, 1874, *Sigalphus*)⁷⁵]

Tribe DIOSPILINI Förster, 1862⁷⁶

ASPICOLPUS Wesmael, 1838

ASPIDOCOLPUS Agassiz, 1846

?**clipealis** (Tobias, 1967, *Aspidocolpus*) E NMS, det. van Achterberg, added here⁷⁷

ASPIGONUS Wesmael, 1835

ASPIDOGONUS Agassiz, 1846

flavicornis (Nees, 1834, *Bracon*) E W

diversicornis Wesmael, 1835

van Achterberg in Belokobylskij *et al.* (2003)

BAEACIS Förster, 1878⁷⁸

abietis (Ratzeburg, 1844, *Aspigonus*)

intermedia Förster, 1878 E

NHM, det. van Achterberg, added here

DIOSPILUS Haliday, 1833

ALLOCHROMUS Marshall, 1902

capito (Nees, 1834, *Bracon*) E I

filator (Nees, 1834, *Bracon*) preocc.

⁷² Seems to have been recorded in error by Kloet & Hincks (1945), perpetuated by Fitton *et al.* (1978).

⁷³ Although synonymised by van Achterberg (in Belokobylskij *et al.*, 2003) this is listed as a separate species in Fauna Europaea. There are English specimens identified by van Achterberg as *aciculata* in NMS and NHM.

⁷⁴ Papp (1996a) synonymised *brucivora* (Rondani, 1877, *Sigalphus*) under *thoracica* but this has not been followed by van Achterberg in Taxapad; similarly, *prima* (Brèthes, 1925, *Sigalphus*) is treated as a valid, South American species.

⁷⁵ Listed as a doubtfully British species in Fitton *et al.* (1978); the only record is of a tentative identification by Nixon (Hussey, 1952).

⁷⁶ Sharanowski *et al.* (2011) found that the Diospilini belong in the Brachistinae rather than Helconinae.

⁷⁷ Tentative identification, included here as a record of an *Aspicolpus* species in Britain.

⁷⁸ According to van Achterberg (pers. comm.) *Baeacis* should be regarded as a synonym of *Diospilus*.

fuscipes (Wesmael, 1835, *Taphaeus*)
dispar (Nees, 1811, *Bracon*) E
ephippium (Nees, 1834, *Bracon*)
inflexus Reinhard, 1862 E
ovatus Marshall, 1889
morosus Reinhard, 1862 E
nigricornis (Wesmael, 1835, *Taphaeus*)⁷⁹ E
affinis (Wesmael, 1835, *Taphaeus*)
rufipes Reinhard, 1862
oleraceus Haliday, 1833 E I
conformis (Wesmael, 1835, *Taphaeus*)
ruficornis Szépligeti, 1896
productus Marshall, 1894 E

TAPHAEUS Wesmael, 1835⁸⁰
ANOSTENUS Förster, 1862
ANASTENUS Dalla Torre, 1898
hiator (Thunberg, 1824, *Ichneumon*) E S I
irregularis Wesmael, 1835
speculator (Haliday, 1835, *Helcon*)
polydrusi (Gahan, 1916, *Diospilus*)

Tribe DYSCOLETINI van Achterberg, 1984⁸¹

DYSCOLETES Haliday, 1840
DYSCOLUS Haliday, 1836 preocc.
DISCOLUS misspelling
MICROCENTRUS Szépligeti, 1904 preocc.
ELACHISTOCENTRUM Schulz, 1911
lancifer (Haliday, 1836, *Dyscolus*) E S
similis (Szépligeti, 1896, *Discoletes*)

Subfamily BRACONINAE Nees, 1812⁸²

Tribe APHRASTOBRACONINI Ashmead, 1900

PSEUDOVIPIO Szépligeti, 1896
guttiventris (Thomson, 1892, *Bracon*)⁸³ E
variegatus (Boheman, 1853, *Agathis*) preocc.
biroi Szépligeti, 1896

Tribe BRACONINI Nees, 1812

BARYPROCTUS Ashmead, 1900
BARYCRYPTUS Hoffmeyer, 1932
barypus (Marshall, 1885) E⁸⁴
hungaricus Szépligeti, 1901
caucasicus Telenga, 1936
apti Györfi, 1953

BRACON Fabricius, 1804⁸⁵

⁷⁹ Listed as *Taphaeus affinis* and *nigricornis* in Fitton *et al.* (1978).

⁸⁰ The systematic position of *Taphaeus* is uncertain. Treated as a genus of Blacinae in Fauna Europaea.

⁸¹ Generally considered to be a tribe of Blacinae, we list the Dyscoletini as a tribe of Brachistinae as we follow Sharanowski *et al.* (2011) in including the Blacinae within Brachistinae.

⁸² Tribal classification follows Belshaw *et al.* (2001) and Quicke (pers. comm.). For genera other than *Bracon* and *Coeloides*, Shaw (1994) and Shaw & Quicke (1999) give distribution data.

⁸³ Listed as *Glyptomorpha variegata* in Fitton *et al.* (1978).

⁸⁴ See Shaw (1994) and Jennings (2008) for recent records.

⁸⁵ Comprehensive taxonomic revisions of *Bracon* are lacking for all but a few species groups. Published works differ substantially in their treatments of valid species, synonyms and subgeneric placements (compare, for example, the differing treatments of Tobias, 1986, Papp, 1974, 1996c, and Shenefelt, 1979) so the taxonomy in Taxapad has, for the most part, been used as a default classification.

Subgenus **BRACON** Fabricius, 1804
BRACO Wesmael, 1838
BRACHON Agassiz, 1846
TROPIDOBRACON Ashmead, 1900
MICROBRACON Ashmead, 1890
AMICOPLIDEA Ashmead, 1900
MACRODYCTIUM Ashmead, 1900
LIOBRACON Nason, 1905 preocc.
LORENZOA de Stefani-Perez, 1909
SELIODUS Brèthes, 1909
KULCZYNSKIA Niezabitowski, 1910
BRAZON Schulz, 1911
STRIOBRACON Fahringer, 1927
CHIVINIA Shestakov, 1932
EUTROPOBRACON Ayyar, 1928

alutaceus Szépligeti, 1901 E S
pygmaeus Niezabitowski, 1910
polonicus Fahringer, 1927
pallidalatus Tobias, 1957

flavipes Nees, 1834 E

fulvipes Nees, 1834 E S W I M
carinatus Szépligeti, 1901
marshalli Vayssière, 1902 preocc.
glabratus Fahringer, 1927
apionis Strand, 1928
sylvanus Greese, 1928
kiritshenkoi Telenga, 1936

intercessor Nees, 1834 E S
lativentris Thomson, 1892 preocc.
fulvus Szépligeti, 1896
universitatis Dalla Torre, 1898
adjectus Szépligeti, 1901
bisinuatus Szépligeti, 1901
dubiosus Szépligeti, 1901
duplicatus Szépligeti, 1901
fallaciosus Szépligeti, 1901
elegans Szépligeti, 1901
mixtus Szépligeti, 1901
mundus Szépligeti, 1901
nigropictus Szépligeti, 1901
nitidiusculus Szépligeti, 1901
rufiscapus Szépligeti, 1901
subtilis Szépligeti, 1901
suspectus Szépligeti, 1901
vigilax Kokujev, 1912
maidli Fahringer, 1925
concolor Fahringer, 1927 preocc.
major Fahringer, 1927
concorellus Strand, 1928
megasomides Strand, 1928
rhynchiti Greese, 1928
kachetinus Telenga, 1933
maslovskii Telenga, 1936
segregatus Telenga, 1936

laetus Wesmael, 1838 E
asiaticus Fahringer, 1927 preocc.
kansensis Fahringer, 1934 preocc.

longicollis (Wesmael, 1838, *Braco*) E S W Papp (1999a)
fraudator Marshall, 1885
brevicauda Thomson, 1892 preocc.
crassicauda Thomson, 1892
pseudowesmaeli Strand, 1928
wesmaeli Fahringer, 1927 preocc.

luteator Spinola, 1808 E added by Fulmek (1968)
nigripedator Nees, 1834

NMS, det. Papp, added here
Papp (2008b)
Papp (2008b)

filicauda Costa, 1888
hypopygialis Szépligeti, 1901
intermedius Szépligeti, 1901
pilosulus Szépligeti, 1901
nigratus (Wesmael, 1838, *Braco*) E I
pectoralis (Wesmael, 1838, *Braco*) E
ochrosus Szépligeti, 1896
sulphurator Szépligeti, 1896
unicolor Szépligeti, 1896
fumigatus Szépligeti, 1901 Papp (2008b)
rugulosus Szépligeti, 1901⁸⁶ E S W
depressiusculus Szépligeti, 1901
neglectus Szépligeti, 1904
spurnensis Hincks, 1951
scutellaris (Wesmael, 1838, *Braco*) E S I
speerschneideri Schmiedeknecht, 1897 E added by Papp (1999b)
subrugosus Szépligeti, 1901 E added by Papp (2008b)
sulcatulus Szépligeti, 1896⁸⁷
subglaber Szépligeti, 1901
quinquemaculatus Szépligeti, 1901
trypetanus Fahringer, 1927 Papp (2008b)
tauricus Telenga, 1936
trucidator Marshall, 1888 E⁸⁸ NHM, NMS, added here
minutator misident.
bilineatus Thomson, 1892
hilaris Marshall, 1897
pannonicus Szépligeti, 1901
marshalli Telenga, 1936 preocc.
variegator Spinola, 1808 E S I
melanosoma Szépligeti, 1901
micros Szépligeti, 1901
nanulus Szépligeti, 1901
lineatellae (Fischer, 1968, *Habrobracon*) Papp (2008a)

species excluded from the British and Irish list

[leptus Marshall, 1897⁸⁹
centaureae Szépligeti, 1901
rufipedator Szépligeti, 1901
rufipalpis Szépligeti, 1901]

Subgenus **GLABROBRACON** Fahringer, 1927⁹⁰

abbreviator Nees, 1834 E
abscissor Nees, 1834 Papp (2008b)
oestmaeli (Wesmael, 1838, *Braco*) Papp (2008b)
regularis (Wesmael, 1838, *Braco*) Papp (2008b)
eutrephe Marshall, 1897
rufigaster Szépligeti, 1901 Papp (2008b)
rufiventris Telenga, 1936 preocc.
minimula Strand, 1928
minimus Fahringer, 1927 preocc.
admotus Papp, 2000 E NHM, det. Papp, added here
albion Papp, 1999 E S added by Papp (1999a)
arcuatus Thomson, 1892 E S Papp (2000)⁹¹
atrator Nees, 1834 E I

⁸⁶ According to Taxapad, *rugulosus* Szépligeti is preoccupied by *Bracon rugulosus* Nees, 1811 (now classified as a species of *Aleiodes*, in Rogadinae). Omitted by Fitton *et al.* (1978).

⁸⁷ Papp (2008b) argues that the name *sulcatulus* should be suppressed in favour of *subrugosus*, although this has not formally been carried out.

⁸⁸ Previously confused under *minutator* (van Achterberg, pers. comm.). Both species are present in the NHM and NMS collections, det. Papp and van Achterberg.

⁸⁹ Listed as British in Fauna Europaea, probably because it was described by Marshall, but there are no published British or Irish records.

⁹⁰ Some taxonomic and distribution data from Papp (1999a,b, 2000).

⁹¹ Omitted by Fitton *et al.* (1978).

| | |
|---|----------------------------|
| <i>longicauda</i> Thomson, 1892 | |
| caudatus Ratzeburg, 1848 E | |
| claripennis Thomson, 1892 E | added by Papp (2000) |
| colpophorus (Wesmael, 1838, <i>Braco</i>) E | |
| <i>mokrzeckii</i> Niezabitowski, 1927 | Papp (1997) |
| conjugellae Bengtsson, 1924 E S | NMS, det. Papp, added here |
| <i>bengtssoni</i> Fahringer, 1928 preocc. | |
| <i>minor</i> Fahringer, 1928 preocc. | |
| <i>nanana</i> Strand, 1928 | |
| curticaudis Szépligeti, 1901 ⁹² S | added by Papp (2008b) |
| delibator Haliday, 1833 E S I | |
| <i>anthracinus</i> Nees, 1834 | van Achterberg (1997) |
| <i>breviseta</i> Fahringer, 1935 | |
| fuscicoxis (Wesmael, 1838, <i>Braco</i>) E | |
| <i>levicarinatus</i> Niezabitowski, 1910 | |
| glaphyrus Marshall, 1897 E ⁹³ | |
| guttator Panzer, 1804 E ⁹⁴ | |
| immutator Nees, 1834 E S | |
| <i>efoveolatus</i> Thomson, 1892 | |
| <i>hemirugosus</i> Szépligeti, 1901 | |
| <i>flavicoxanus</i> Strand, 1928 | |
| <i>marshalli</i> Fahringer, 1927 preocc. | |
| <i>romani</i> Fahringer, 1927 preocc. | |
| <i>uplandiae</i> Strand, 1928 | |
| <i>austriacus</i> Fahringer, 1936 | |
| <i>nigripalpis</i> Telenga, 1936 | |
| instabilis Marshall, 1897 E | |
| kopelkei Papp, 2000 E | NHM, det. Papp, added here |
| longulus Thomson, 1892 E S | NMS, det. Papp, added here |
| marshalli Szépligeti, 1901 E S ⁹⁵ | |
| <i>obscurator</i> misident. | |
| minutator (Fabricius, 1798, <i>Ichneumon</i>) E I ⁹⁶ | |
| <i>thalassinus</i> Schmiedeknecht, 1897 | Papp (1999b) |
| <i>tener</i> Szépligeti, 1904 | |
| <i>abscissoris</i> Strand, 1928 | |
| <i>flavipalpula</i> Strand, 1928 | |
| <i>flavipalpis</i> Fahringer, 1928 preocc. | |
| <i>rufiventris</i> Fahringer, 1928 preocc. | |
| <i>notatus</i> Telenga, 1936 | |
| <i>unicolor</i> Telenga, 1936 preocc. | |
| momphae Papp, 1999 E S | added by Papp (1999a) |
| nigricollis (Wesmael, 1838, <i>Braco</i>) E | NMS, det. Papp, added here |
| <i>brunneomaculatus</i> Schütze & Roman, 1931 | |
| obscurator Nees, 1811 E S W | |
| <i>kotulai</i> Niezabitowski, 1910 | |
| <i>nigripes</i> Fahringer, 1928 preocc. | |
| <i>rytrensis</i> Fahringer, 1928 preocc. | |
| <i>rytronis</i> Strand, 1928 | |
| <i>zaleszczykiensis</i> Strand, 1928 | |
| otiosus Marshall, 1885 ⁹⁷ E | |
| <i>macrurus</i> Thomson, 1892 | Papp (1999a) |
| <i>explorator</i> Szépligeti, 1904 preocc. | Papp (1999a) |
| <i>pumilionis</i> Roman, 1928 | Papp (1999a) |
| pallicarpus Thomson, 1892 E | added by Papp (2000) |
| parvicornis Thomson, 1892 E | NMS, det. Papp, added here |
| <i>carbonarius</i> Szépligeti, 1901 preocc. | |
| <i>aterrimus</i> Telenga, 1936 preocc. | |

⁹² Removed from synonymy with *terebella* by Papp (2008b).

⁹³ Faure (1924) mentions English material in his paper on the biology of *glaphyrus* but it was omitted by Fitton *et al.* (1978).

⁹⁴ Omitted by Fitton *et al.* (1978).

⁹⁵ Omitted by Fitton *et al.* (1978).

⁹⁶ *Bracon minutator* auct. is *trucidator* Marshall (van Achterberg, pers. comm.).

⁹⁷ Treated as a synonym of *bipartitus* (= *variator*) by Belokobyl'skij *et al.* (2003).

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|--|----------------------------|
| parvulus Wesmael, 1838 E S W | NMS, det. Papp, added here |
| <i>fumipennis</i> Thomson, 1892 | |
| <i>fuscipennis</i> Thomson, 1892 preocc. | |
| <i>thomsoni</i> Marshall, 1897 | |
| pineti Thomson, 1892 E | NMS, det. Papp, added here |
| praecox (Wesmael, 1838, <i>Braco</i>) S | NMS, det. Papp, added here |
| <i>biorrhizae</i> Fahringer, 1928 | |
| <i>elongatus</i> Dutu-Lacatusu, 1956 preocc. | |
| ratzeburgii Dalle Torre, 1898 E | |
| <i>longicaudis</i> Ratzeburg, 1852 preocc. | |
| terebella (Wesmael, 1838, <i>Braco</i>) E | |
| <i>breviterebris</i> Fahringer, 1928 | |
| <i>miaricola</i> Strand, 1928 | |
| <i>wesmaeli</i> Fahringer, 1928 preocc. | |
| <i>unicolor</i> Telenga, 1936 preocc. | |
| variator Nees, 1811 E S W I | |
| <i>bipartitus</i> (Wesmael, 1838, <i>Braco</i>) ⁹⁸ | |
| <i>maculiger</i> (Wesmael, 1838, <i>Braco</i>) | |
| <i>collinus</i> Szépligeti, 1901 | |
| <i>breviventris</i> Szépligeti, 1901 | |
| <i>rytrensis</i> Niezabitowski, 1910 | |
| <i>sueciensis</i> Fahringer, 1927 | |
| <i>dimidiatus</i> Fahringer, 1928 preocc. | |
| <i>nigerrimus</i> Fahringer, 1928 | |
| <i>rytrensis</i> Fahringer, 1928 preocc. | |
| <i>rytrocola</i> Strand, 1928 | |
| <i>chinensis</i> Fahringer, 1929 preocc. | |
| <i>caucasicus</i> Telenga, 1936 | |
| <i>collaris</i> Telenga, 1936 preocc. | |
| <i>meridionalis</i> Telenga, 1936 | |
| <i>ornatulus</i> Telenga, 1936 | |
| <i>rytrensis</i> Telenga, 1936 preocc. | |
| <i>turcmenus</i> Telenga, 1936 | |
| <i>asiaticus</i> Telenga, 1949 preocc. | |
| xanthogaster Nees, 1834 E | NMS, det. Papp, added here |
| <i>brevisetia</i> Hedwig, 1961 preocc. | |

species excluded from the British and Irish list
[**coniferarum** Fahringer, 1928⁹⁹]

Subgenus **HABROBRACON** Ashmead, 1895

concolorans Marshall, 1900¹⁰⁰ E S I added by Papp (2008a)

concolor Thomson, 1892 preocc.

nigricans (Szépligeti, 1901, *Habrobracon*) Papp (2008a)

mongolicus (Telenga, 1936, *Habrobracon*)

crassicornis Thomson, 1894 E S added by Papp (2008a)

flavosignatus (Tobias, 1957, *Habrobracon*)

Papp (2008a)

hebetor Say, 1836 E¹⁰¹

dorsator Say, 1836

brevicornis (Wesmael, 1838, *Braco*)¹⁰²

juglandis Ashmead, 1889

brunneus (Szépligeti, 1901, *Habrobracon*)

vernalis (Szépligeti, 1901, *Habrobracon*)

beneficientior (Viereck, 1911, *Habrobracon*)

plotnicovi (Bogoljubov, 1914, *Habrobracon*)

⁹⁸ Listed as a subspecies of *variator* in Taxapad. Listed as a British species by Fitton *et al.* (1978) but this actually refers to *otiosus*.

⁹⁹ Should not have been listed by Fitton *et al.* (1978) as it was recorded as British only on the basis of Carr's Staffordshire lists (see Shaw, 2003b).

¹⁰⁰ Removed from synonymy with *stabilis* by Papp (2008a).

¹⁰¹ Mainly an indoors species in Britain, attacking pests of stored products.

¹⁰² Has been variously treated as a valid species or as a synonym of *hebetor*, being listed under the latter in Taxapad and by Papp (2008a). Both *brevicornis* and *hebetor* have been recorded as British.

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|--|---------------------------------|
| <i>breviantennatus</i> de Stefani, 1919 | |
| <i>serinopae</i> (Cherian, 1929, <i>Microbracon</i>) | |
| <i>tortricidarum</i> (Goidanich, 1934, <i>Habrobracon</i>) | |
| <i>pectinophorae</i> (Watanabe, 1935, <i>Habrobracon</i>) | |
| <i>asiaticus</i> (Telenga, 1936, <i>Habrobracon</i>) | |
| <i>flavus</i> (Telenga, 1936, <i>Habrobracon</i>) | |
| <i>turkestanicus</i> (Telenga, 1936, <i>Habrobracon</i>) | |
| <i>lozinskii</i> (Bogacev, 1939, <i>Habrobracon</i>) | |
| <i>stabilis</i> (Wesmael, 1838, <i>Braco</i>) E I | |
| <i>opacus</i> Stelfox, 1953 preocc. | |
| Subgenus LUCOBRACON Fahringer, 1927 | |
| <i>brachycerus</i> Thomson, 1892 E | NMS, det. Papp, added here |
| <i>kudsiricus</i> Papp, 1965 | |
| <i>crassungula</i> Thomson, 1892 E | NMS, det. Papp, added here |
| <i>erraticus</i> (Wesmael, 1838, <i>Braco</i>) E S I | |
| <i>superciliosus</i> (Wesmael, 1838, <i>Braco</i>) | |
| <i>erythrostickus</i> Marshall, 1885 | |
| <i>exarator</i> Marshall, 1885 | |
| <i>praetermissus</i> Marshall, 1885 ¹⁰³ | |
| <i>vectensis</i> Marshall, 1885 | Papp (1999a) |
| <i>foveola</i> Thomson, 1892 | |
| <i>aestivalis</i> Szépligeti, 1901 | Papp (2005a) |
| <i>confinis</i> Szépligeti, 1901 | |
| <i>congruus</i> Szépligeti, 1901 preocc. | |
| <i>similis</i> Szépligeti, 1901 | |
| <i>ventricosus</i> Szépligeti, 1901 | |
| <i>secernendus</i> Schulz, 1906 | |
| <i>lagodechianus</i> Telenga, 1936 | |
| <i>maculatus</i> Telenga, 1936 | |
| <i>planiceps</i> Telenga, 1936 | |
| <i>talitzkii</i> Telenga, 1936 | |
| <i>transcaspicus</i> Telenga, 1936 | |
| <i>hades</i> Papp, 1965 | |
| <i>grandiceps</i> Thomson, 1892 S | NMS, NHM, det. Papp, added here |
| <i>gallicus</i> Thomson, 1892 | |
| <i>guttiger</i> (Wesmael, 1838, <i>Braco</i>) E S | |
| <i>fasciatus</i> Fahringer, 1927 | |
| <i>hylobii</i> Ratzeburg, 1848 E S | |
| <i>bruchorum</i> Fahringer, 1934 | |
| <i>larvicida</i> (Wesmael, 1838, <i>Braco</i>) E | |
| <i>crassiusculus</i> Szépligeti, 1901 | |
| <i>romani</i> Fahringer, 1927 preocc. | |
| <i>szepligetii</i> Fahringer, 1927 preocc. | |
| <i>fahringeriensis</i> Strand, 1928 | |
| <i>pseudoromani</i> Strand, 1928 | |
| <i>nigriventris</i> Wesmael, 1838, <i>Braco</i>) E | NMS, det. Papp, added here |
| <i>subornatus</i> Szépligeti, 1901 | Papp (2008b) |
| <i>biroi</i> Fahringer, 1927 | |
| <i>minor</i> Fahringer, 1927 | |
| <i>albanicus</i> Telenga, 1936 | |
| <i>laticeps</i> Telenga, 1936 | |
| <i>lencoranus</i> Telenga, 1936 | |
| <i>persimilis</i> Telenga, 1936 | |
| <i>tuirolus</i> Papp, 1984 | |
| <i>sphaerocephalus</i> Szépligeti, 1901 E S | NMS, det. Papp, added here |
| <i>globiceps</i> Szépligeti, 1901 | Papp (2005a) |
| <i>thuringiacus</i> Schmiedeknecht, 1897 E | added by Papp (1999b) |
| <i>schmiedeknechti</i> Fahringer, 1927 preocc. | |
| <i>blankenburgiae</i> Strand, 1928 | |
| <i>tornator</i> Marshall, 1885 E S W | Papp (1997) |
| <i>aequalis</i> Thomson, 1892 | |
| <i>triangularis</i> Nees, 1834 E I | |

¹⁰³ Although synonymised with *Bracon erraticus* by Papp (1999a), this has not been accepted by Belokobylskij *et al.* (2003).

species excluded from the British and Irish list
[**strobilorum** Ratzeburg, 1848¹⁰⁴]

Subgenus **ORTHOBRACON** Fahringer, 1927

discoideus (Wesmael, 1838, *Braco*) E S I

opionus Fahringer, 1928

sculpturatus Fahringer, 1928

sculpturifera Strand, 1928

epitriptus Marshall, 1885 E S W I

Papp (1999a)

pallidipes Szépligeti, 1896

Papp (2008b)

melanogaster Szépligeti, 1901

exhilarator Nees, 1834 E S W M

satanas (Wesmael, 1838, *Braco*)

tibialis Zetterstedt, 1838

striolatus Thomson, 1892

marshalli Fahringer, 1927 preocc.

polonicus Fahringer, 1927 preocc.

polonicella Strand, 1928

varicoloris Strand, 1928

filicornis Thomson, 1892 S

NMS, det. Papp, added here

laevigatissimus Dalla Torre, 1898 E¹⁰⁵

laevigatus Ratzeburg, 1852 preocc.

mediator Nees, 1834 E S I

ochropus Nees, 1834 E S

NMS, det. Papp, added here

marshalli Fahringer, 1927 preocc.

neesi Fahringer, 1927

ochropodis Strand, 1928

orbus Papp, 1981 E

NMS, det. Papp, added here

picticornis Wesmael, 1838 E I

gallarum Ratzeburg, 1852

versicolor Szépligeti, 1901

ratzeburgensis Strand, 1928

laevigatus Fahringer, 1927 preocc.

procerus Papp, 1965 E

NMS, det. Papp, added here

pulcher Bengtsson, 1924 E

NMS, det. Papp, added here

bengtssoni Fahringer, 1927

roberti (Wesmael, 1838, *Braco*) E I

romani Fahringer, 1927 E S W

NMS, det. Papp, added here

subcylindricus (Wesmael, 1838, *Braco*) E

niger (Vojnovskaja-Krieger, 1929, *Baryproctus*)

subsINUATUS Szépligeti, 1901¹⁰⁶ E S I

added by Papp (2008b)

titubans (Wesmael, 1838, *Braco*) E

NMS, det. Papp, added here

tarsator Thomson, 1892

terebrator Szépligeti, 1901

virgatus Marshall, 1897 E S

Shaw & Bailey (1991)

lineifer van Achterberg, 1988

Papp (1999a)

species excluded from the British and Irish list

[**tenuicornis** (Wesmael, 1838, *Braco*)¹⁰⁷]

Subgenus **OSCULOBRACON** Papp, 2008

osculator Nees, 1811 E S W I

bisignatus (Wesmael, 1838, *Braco*)

degenerator Marshall, 1885

¹⁰⁴ England and Ireland are listed under the distribution in Shenefelt (1979), and Britain in Fauna Europaea, but we have been unable to trace any British or Irish literature records or specimens. In Belokobylskij *et al.* (2003) and in Taxapad this is listed as a species of *Coeloides* but Papp (1992) had established that this species had been mis-interpreted and is in fact a species of *Bracon* (*Lucobracon*). Swiss specimens identified as *strobilorum* by Papp in NMS and NHM belong in *Bracon*.

¹⁰⁵ Omitted by Fitton *et al.* (1978).

¹⁰⁶ Removed from synonymy with *epitriptus* by Papp (2008b), who treats both species as belonging to the subgenus *Glabrobracon*, contrary to their placement in Taxapad.

¹⁰⁷ Probably not a valid British or Irish species now that *B. (Lucobracon) erythrostictus* has been taken out of synonymy (Papp 1999a).

minutus Szépligeti, 1901
temporalis Telenga, 1936
venustus Telenga, 1936

Subgenus **PIGERIA** van Achterberg, 1985¹⁰⁸

piger (Wesmael, 1838, *Braco*)¹⁰⁹ E I

rotundatus Szépligeti, 1901

Papp (2008b)

rotundulus Szépligeti, 1904

wolschrijni (van Achterberg, 1985, *Pigeria*) W

NMS, det. van Achterberg, added here

species excluded from the British and Irish list

[Subgenus **ROSTROBRACON** Tobias, 1957

urinator (Fabricius, 1798, *Ichneumon*)¹¹⁰

cuspidator (Rossi, 1792, *Ichneumon*)

comptus Marshall, 1897]

Tribe COELOIDINI Tobias, 1957

COELOIDES Wesmael, 1838¹¹¹

SYNTOMOMELUS Kokujev, 1902

HABROBRACONIDEA Viereck, 1912

COELOIDINA Viereck, 1921

CEROBRACON Viereck, 1926

abdominalis (Zetterstedt, 1838, *Bracon*) E

filiformis Ratzeburg, 1852 E

added by Shaw (2000b)

melanurus Ivanov, 1896

melanotus Wesmael, 1838 E W

flavus Ivanov, 1896

maculatus Ivanov, 1896

melanostigma Strand, 1918 E

added by Shaw (2000b)

sordidator misident.¹¹²

stigmaticus Hellén, 1928

scolyticida Wesmael, 1838 E

initiatellus (Ratzeburg, 1848, *Bracon*)

species excluded from the British and Irish list by Shaw & Quicke (1999)

[**ATANYCOLUS denigrator** (Linnaeus, 1758, *Ichneumon*)

incertus (Sulzer, 1776, *Ichneumon*)

heteropus (Thomson, 1892, *Bracon*)

albiscutis Telenga, 1936]

[**CYANOPTERUS flavator** (Fabricius, 1793, *Ichneumon*)

flavulator (Ratzeburg, 1844, *Bracon*)

longipalpis (Thomson, 1892, *Bracon*)

barcinonensis (Marshall, 1897, *Coeloides*)]

[**VIPIO terrefactor** (Villers, 1789, *Ichneumon*)¹¹³

improvisus Kokujev, 1898

interpellator Kokujev, 1898

neesii Kokujev, 1898]

[Subfamily CARDIOCHILINAE Ashmead, 1900

CARDIOCHILES Nees, 1819

DITHERUS Cameron, 1902

¹⁰⁸ Described as a separate genus but Quicke & Sharkey (1989) suggested that *Pigeria* could be treated as a subgenus of *Bracon*, which was followed by Papp (1998).

¹⁰⁹ *Bracon semiluteus* Walker, 1874 is not a synonym of *piger* (contra Morley (1913) and subsequent authors) but is a junior synonym of another species of *Bracon* (Papp, in prep.).

¹¹⁰ Marshall (1900) mentions an English specimen but this seems unlikely in view of its present southern European range.

¹¹¹ Distribution data from Shaw (2000b).

¹¹² According to Haeselbarth (in Belokobylskij *et al.*, 2003), the name *sordidator* (Ratzeburg, 1844, *Bracon*) probably does not belong in *Coeloides*, so the species usually referred to as *sordidator* takes the name *melanostigma*.

¹¹³ The only record was due to a misidentification of *Pseudovipio guttiventris* (Shaw & Quicke, 1999).

saltator (Fabricius, 1781, *Ichneumon*) not British: Shaw & Huddleston (1991)
brachialis Rondani, 1877
katkowi Kokujev, 1895
fumipennis Szépligeti, 1901
sibiricus Telenga, 1955]

Subfamily CENOCOELIINAE Szépligeti, 1901¹¹⁴

CENOCOELIUS Haliday, 1840
LACCOPHRYUS Förster, 1862
PROMACHUS Cresson, 1887 van Achterberg (1995)
CAENOCOELIUS Marshall, 1894
POSTPROMACHUS Maes, 1999
aartseni (van Achterberg, 1994, *Promachus*) E
added by Shaw (1999)

analís (Nees, 1834, *Bracon*) E I
flavifrons Haliday, 1840
cephalotes (Ratzeburg, 1848, *Opius*) preocc.
magdalini (Förster, 1862, *Laccophrys*)
hungaricus Kiss, 1927

species excluded from the British and Irish list by Shaw (1999)

[**LESTRICUS secalis** (Linnaeus, 1758, *Ichneumon*)
agricolator (Linnaeus, 1767, *Ichneumon*)
rubriceps (Ratzeburg, 1844, *Alysia*)
femorator (Tobias, 1973, *Cenocoelius*)]

Subfamily CHARMONTINAE van Achterberg, 1979

CHARMON Haliday, 1833
PROVANCHERIA Ashmead, 1900
CYCLOCORMUS Cameron, 1911
EUBADIZON misident.
cruentatus Haliday, 1833 E S W I M
pectoralis (Nees, 1834, *Eubadizon*)
pleuralis (Cresson, 1872, *Eubadizon*)
luteus (Cameron, 1911, *Cyclocormus*)
?brevicauda (Hellén, 1958, *Eubadizon*)¹¹⁵
extensor (Linnaeus, 1758, *Ichneumon*) E S I
gracilis (Provancher, 1880, *Eubadizon*)
hungaricus (Kiss, 1927, *Calyptus*)
striatus (Shestakov, 1940, *Eubadizon*)

Subfamily CHELONINAE Förster, 1862

ADELIINAE Viereck, 1918¹¹⁶
ACAELIINAE Viereck, 1918
ACOELIINAE Viereck, 1918

Tribe CHELONINI Förster, 1862

ASCOGASTER Wesmael, 1835¹¹⁷
CASCOGASTER Baker, 1926
LEPTODREPANA Shaw, 1983 van Achterberg (1990)
abdominator (Dahlbom, 1833, *Chelonus*) E S I
instabilis Wesmael, 1835
fulviventrís Curtis, 1837
femoralis (Herrich-Schäffer, 1838, *Chelonus*)

¹¹⁴ Distribution data from Shaw (1999).

¹¹⁵ Although van Achterberg (1979) treated *brevicauda* as a ‘form’ of *cruentatus*, the possibility of a separate species requires investigation.

¹¹⁶ The genus *Adelius* and related extralimital genera have usually been treated as comprising a separate subfamily, Adeliinae. Recent phylogenetic studies (Belshaw *et al.*, 2000; Belshaw & Quicke, 2002) have firmly placed the adeliines within the Cheloninae, as sister taxon to *Phanerotoma*.

¹¹⁷ Distribution and synonymic data taken from Huddleston (1984).

rufiventris (Herrich-Schäffer, 1838, *Chelonus*)
pallida Ruthe, 1855
albitarsus Reinhard, 1867 S I added by Huddleston (1984)
similis (Herrich-Schäffer, 1838, *Chelonus*)
leptopus Thomson, 1874
annularis (Nees, 1816, *Sigalphus*) E
armata Wesmael, 1835 E W
pulchella (Curtis, 1829, *Chelonus*) nom. nud.
esenbeckii Curtis, 1837
luteicornis (Herrich-Schäffer, 1838, *Chelonus*)
bidentula Wesmael, 1835 E S W I added by Huddleston (1984)
scabriuscula (Zetterstedt, 1838, *Sigalphus*)
multiarticulata (Ratzeburg, 1852, *Chelonus*)
gibbiscuta Thomson, 1874
fuscipennis Thomson, 1892
atamiensis Ashmead, 1906
brevicornis Wesmael, 1835 E I added by Huddleston (1984)
monilicornis (Herrich-Schäffer, 1838, *Chelonus*)
canifrons Wesmael, 1835 E I
graniger Thomson, 1892
zernyana Fahringer, 1925
consobrina Curtis, 1837 E S I
dentifer Tobias, 1976 E added by Huddleston (1984)
dispar Fahringer, 1934 E added by Huddleston (1984)
spinifer Tobias, 1964
kozlovi Tobias, 1972
gonocephala Wesmael, 1835 E added by Huddleston (1984)
grahami Huddleston, 1984 E added by Huddleston (1984)
klugii (Nees, 1816, *Sigalphus*) E added by Huddleston (1984)
ruficeps Wesmael, 1835
neesii Reinhard, 1867
quadridentata Wesmael, 1835 E
pallidicornis Curtis, 1837
impressa (Herrich-Schäffer, 1838, *Chelonus*)
quadridens (Herrich-Schäffer, 1838, *Chelonus*)
cynipum Thomson, 1892
nigricornis Thomson, 1892
egregia Kokujev, 1895
nigrator (Szépligeti, 1896, *Chelonus*)
carpocapsae (Viereck, 1909, *Chelonus*)
epinotiae Watanabe, 1937
rufidens Wesmael, 1835 E I
rufipes (Herrich-Schäffer, 1838, *Chelonus*) preocc.
laevigator (Ratzeburg, 1852, *Chelonus*)
rufipes (Latreille, 1809, *Sigalphus*) E I
elegans (Nees, 1816, *Sigalphus*)
fasciata (Dahlbom, 1833, *Chelonus*)
pallipes (Herrich-Schäffer, 1838, *Chelonus*)
rubripes (Lucas, 1849, *Chelonus*)
rugosula (Goureaux, 1861, *Chelonus*)
ratzeburgii Marshall, 1885
arisanica Sonan, 1932
nigrbasis Fahringer, 1934
soror Telenga, 1941
varipes Wesmael, 1835 E S I
atriceps (Ratzeburg, 1844, *Chelonus*)
tersa Reinhard, 1867
cavifrons Thomson, 1874
sternalis Thomson, 1874
catula (Marshall, 1885, *Chelonus*) Papp (1996b)
jaroslawensis Kokujev, 1895

species excluded from the British and Irish list

[**bicarinata** (Herrich-Schäffer, 1838, *Chelonus*)¹¹⁸

mlokossewitschi Kokujev, 1895

rufiventris Telenga, 1941 preocc.]

[**similis** (Nees, 1816, *Chelonus*)¹¹⁹]

CHELONUS Jurine, 1801

Subgenus **CHELONUS** Jurine, 1801

ANOMALA von Block, 1799 suppressed

DAVISANIA La Munyon, 1877

ARICHELONUS Viereck, 1913

MEGACHELONUS Baker, 1926

acuminatus Herrich-Schäffer, 1838 E

NMS, det. Huddleston, added here

annulatus (Nees, 1816, *Sigalphus*) E S I

maculatus Szépligeti, 1896

asiaticus Telenga, 1941¹²⁰ E I

NHM, det. Lozan, added here

canescens Wesmael, 1835 E

carbonator Marshall, 1885 E

asiaticus Fahringer, 1932

corvulus Marshall, 1885 E S

suturatus Szépligeti, 1898

cylindrus (Klug, 1816, *Sigalphus*)¹²¹ E

variabilis Herrich-Schäffer, 1838

macrocerus Thomson, 1874

speculator Marshall, 1885

ebeninus Fahringer, 1934

decorus Marshall, 1885 E

clavipes Curtis, 1837 nom. nud.

clavipes Fahringer, 1934

szepligetii Fahringer, 1934

inanitus (Linnaeus, 1767, *Cynips*) E I

binarius (Fourcroy, 1785, *Ichneumon*)

atomos (Rossi, 1790, *Ichneumon*)

obscuratus Herrich-Schäffer, 1838 E

NMS, det. Huddleston, added here

intermedius Thomson, 1874

oculator (Fabricius, 1785, *Ichneumon*) E S

integer (von Block, 1799, *Anomala*)

mutabilis (Nees, 1816, *Sigalphus*)

oculatus (Nees, 1816, *Sigalphus*)

pusio Marshall, 1885 E

scabrator (Fabricius, 1793, *Ichneumon*) E

scaber (Nees, 1816, *Sigalphus*)

buccatus Thomson, 1874

submuticus Wesmael, 1835 E

luteipes Thomson, 1874

Papp (1995a)

wesmaelii Curtis, 1837 E

zimini Tobias, 1972

Subgenus **MICROCHELONUS** Szépligeti, 1908¹²²

CHELONELLA Szépligeti, 1908

NEOCHELONELLA Hincks, 1943

atripes Thomson, 1874 E

NMS, NHM, det. Huddleston and Lozan, added here

cunctator (Papp, 1971, *Microchelonus*)

kamtshaticus (Tobias, 1986, *Microchelonus*)

basalis Curtis, 1837 E S

binus (Tobias, 1995, *Microchelonus*) E

NHM, det. Lozan, added here

contractus (Nees, 1816, *Sigalphus*) E S W I

Tobias & Shaw (2005)

compressiscapus Szépligeti, 1898

Papp (1996b)

depressus Thomson, 1874 E S W

NMS, NHM, det. Huddleston and Lozan, added here

¹¹⁸ Included by Fitton *et al.* (1978) but no British specimens were seen by Huddleston (1984).

¹¹⁹ The type is lost and the species unplaceable (Huddleston, 1984).

¹²⁰ The name is a junior homonym of *Chelonus asiaticus* Fahringer, 1932.

¹²¹ *Chelonus speculator* is listed as a synonym of *oculator* by Fitton *et al.* (1978).

¹²² Treated as a valid genus by Papp (1996b) and Belokobylskij *et al.* (2003), sometimes treated as a straight synonym (van Achterberg & Polaszek, 1996; van Achterberg, 2004b), here treated as a subgenus of *Chelonus*, following Taxapad.

- exilis** Marshall, 1885 E
excavatus Tobias, 1972 Papp (1995a)
- fenestratus** (Nees, 1816, *Sigalphus*)¹²³ E
dispar Marshall, 1885
bimaculatus Ivanov, 1899 preocc.
- fumipennis** (Tobias, 1986, *Microchelonus*) NHM, det. Lozan, added here¹²⁴
- latrunculus** Marshall, 1885 E S
?parvicornis Herrich-Schäffer, 1838¹²⁵
thomsonii Dalla Torre, 1898
polonicus Fahringer, 1934
rectus (Papp, 1971, *Microchelonus*)
- lugubris** Wesmael, 1835 E I NMS, NHM, det. Huddleston and Lozan, added here
- microphthalmus** Wesmael, 1838 E NMS, det. Huddleston, added here
dilatatus Papp, 1971 Papp (1995a)
- miscellae** (Tobias & Shaw, 2005, *Microchelonus*) E
added by Tobias & Shaw (2005)
- retusus** (Nees, 1816, *Sigalphus*) E NHM, det. Lozan, added here
emarginatus Herrich-Schäffer, 1838
subemarginatus Herrich-Schäffer, 1838
caudatus Thomson, 1874
pamiricus Vojnovskaja-Krieger, 1931
- risorius** Reinhard, 1867 E
fissus Szépligeti, 1900 preocc.
fissuralis (Tobias, 1964, *Neochelonella*)
magnifissus (Tobias, 1986, *Microchelonus*)
- sulcatus** Jurine, 1807 E
rimulosus Thomson, 1874
curvisulcatus Szépligeti, 1896
rimatus Szépligeti, 1896
- Subgenus **PARACHELONUS** Tobias, 1995
- gravenhorstii** (Nees, 1816, *Sigalphus*) E
maculator Dahlbom, 1833
eurytheca Wesmael, 1838
adjaricus Tobias, 1976
tricolor Tobias, 1976
- pellucens** (Nees, 1816, *Sigalphus*) E added by Papp (2004b)
nitens Reinhard, 1867
alboannulatus Szépligeti, 1896
pulchricornis Szépligeti, 1898
varimaculatus Tobias, 1986
austriacus Fahringer, 1934
- Subgenus **STYLOCHELONUS** Hellén, 1958
- pedator** Dahlbom, 1833 E S
secutor (Marshall, 1885, *Chelonus*)
- pusillus** (Szépligeti, 1908, *Stylochelonus*) E NHM, det. Lozan, added here
furtivus (Tobias, 1986, *Microchelonus*)
tuberculiventris (Tobias, 1986, *Microchelonus*)
- Tribe PHANEROTOMINI Baker, 1926
- ADELIUS** Haliday, 1833
ACAELIUS Haliday, 1834
ACOELIUS Haliday, 1835
PLEIOMERUS Wesmael, 1837
ANOMOPTERUS Rohwer, 1914
MYRIOLA Shestakov, 1932
- erythronotus** (Förster, 1851, *Acoelius*) E I
pyrrhia (Beirne, 1945, *Acoelius*)¹²⁶

¹²³ Synonymised under *contractus* by Papp (1995a) but treated as a separate species by Tobias & Lozan (2003) and listed as such in Taxapad.

¹²⁴ Specimen lacking locality data, Billups coll.

¹²⁵ Although *parvicornis* would have priority, Papp (1995a) states that the type is lost and its identity unverifiable.

flavus (Tobias, 1966, *Acoelius*)
germanus (Haliday, 1834, *Acaelius*) E I
subfasciatus Haliday, 1833 E W I Shaw & Askew (1976)
minutissimus (Zetterstedt, 1840, *Bracon*)
parvulus (Förster, 1851, *Acoelius*)
viator (Förster, 1851, *Acoelius*) E

PHANEROTOMA Wesmael, 1838
 Subgenus **PHANEROTOMA** Wesmael, 1838
PHANEROGASTER Wesmael, 1838 unavailable
SULYDUS Du Buysson, 1897
ICHNEUTIPTERUS Vachal, 1907 van Achterberg (1990)
NEOPHANEROTOMA Szépligeti, 1908
NEOACAMPSIS Szépligeti, 1914 van Achterberg (1990)
PHANEROTOMINA Shestakov, 1930
acuminata Szépligeti, 1908 E added by van Achterberg (1990)
dentata (Panzer, 1805, *Chelonus*)¹²⁷ E
dentator (Nees, 1816, *Sigalphus*)
rendilea Fahringer, 1934
minor Šnoflák, 1951 van Achterberg (1990)
leucobasis Kriechbaumer, 1894¹²⁸ E added by van Achterberg (1990)
ocularis Kohl, 1906
ornatulopsis de Saeger, 1942
desertorum Hedwig, 1957 van Achterberg (1990)
flavitestacea Fischer, 1939 van Achterberg (1990)
caboverdensis Hedqvist, 1965

species excluded from the British and Irish list

[**planifrons** (Nees, 1816, *Sigalphus*)¹²⁹
blanda Fahringer, 1934
bicolor Šnoflák, 1958 preocc.
asini Llopis Minguez, 1968
snoflaki Šenefelt, 1973]

Subgenus **BRACOTRITOMA** Csiki, 1909
TRITOMA Szépligeti, 1908 preocc. van Achterberg (1990)
SZEPLIGETIA Schulz, 1911 van Achterberg (1990)
TRITOMIOS Strand, 1921 van Achterberg (1990)
UNICA Šnoflák, 1951
bilinea Lyle, 1924 E
gregori Šnoflák, 1951
tritoma (Marshall, 1898, *Chelonus*) E W I
antennalis Šnoflák, 1951 van Achterberg (1990)

Subfamily DORYCTINAE Förster, 1862¹³⁰

Tribe DORYCTINI Förster, 1862

CAENOPACHYS Förster, 1862¹³¹
hartigii (Ratzeburg, 1848, *Bracon*) E
flaviventris (Förster, 1878, *Dendrosoter*)

¹²⁶ Listed as a valid species by O'Connor *et al.* (1999) but as a synonym of *erythronotus* by Belokobylskij *et al.* (2003).

¹²⁷ Fitton *et al.* (1978) listed *Sigalphus rufescens* Latreille, 1809 as a junior synonym of *dentata* but this is now considered to be a separate species, not occurring in Britain or Ireland (van Achterberg, 1990), with historical records being misidentifications.

¹²⁸ *Phanerotoma rjabovi* Vojnovskaja-Krieger, 1929 and *media* Shestakov, 1930, synonymised under *leucobasis* by van Achterberg (1990), are now considered to be junior synonyms of *fracta* Kokujev, 1903 (Belokobylskij, 2000a).

¹²⁹ Prior to van Achterberg's (1990) revision, *dentata* had frequently been misidentified as *planifrons*. All of the British specimens identified as *planifrons* in the NHM are in fact *dentata*.

¹³⁰ Tribal classification follows Belokobylskij (1992), but note that recent work suggests that none of the major doryctine tribes are actually monophyletic (Belokobylskij *et al.*, 2004). Generic synonyms for the most part follow Belokobylskij *et al.* (2004).

¹³¹ Treated as a synonym of *Dendrosoter* by Belokobylskij *et al.* (2003) but Mancini *et al.* (2003) argue that *Caenopachys* should be treated as a separate genus.

hartigi misspelling

DENDROSOTER Wesmael, 1838

EURYBOLUS Ratzeburg, 1848

middendorffi (Ratzeburg, 1848, *Bracon*) E NMS, det. Shaw, added in Fauna Europaea
schimitscheki Fahringer, 1941

protuberans (Nees, 1834, *Bracon*) E
insignis Förster, 1878

DORYCTES Haliday, 1836

ISCHIOGONUS Wesmael, 1838

NEODORYCTES Szépligeti, 1914

UDAMOLCUS Enderlein, 1920

PRISTODORYCTES Kieffer, 1921

PARADORYCTES Granger, 1949

PLYCTES Fischer, 1970

heydenii Reinhard, 1865 E

#leucogaster (Nees, 1834, *Bracon*)¹³²

pomarius Reinhard, 1865 E

schimitscheki Fahringer, 1931

rossicus Telenga, 1941 E

NMS, det. Shaw, added in Fauna Europaea

obliteratus (Nees, 1834, *Bracon*)¹³³ E

mutillator misident.

tabidus (Haliday, 1836, *Rogas*)

brachyurus Marshall, 1888

strigatus Kokujev, 1900

petrovskii Kokujev, 1902

striatellus (Nees, 1834, *Bracon*) E

maculipes Curtis, 1837 nom. nud.

disparator (Ratzeburg, 1844, *Bracon*)

rex Marshall, 1897

striatelloides Strand, 1918

yogoi Watanabe, 1954

ambigua Kokujev, 1900

notatus Kokujev, 1900

undulatus (Ratzeburg, 1852, *Bracon*) E

GILDORIA Hedqvist, 1974¹³⁴

similis (Bouček, 1955, *Dendrosotinus*) E added by Shaw (1998)

ONTSIRA Cameron, 1900

DORYCTODES Hellén, 1927

antica (Wollaston, 1858, *Clinocentrus*) S

gallica (Reinhard, 1865, *Doryctes*)

truncorum (Goureaux, 1866, *Bracon*)

incerta (Ashmead, 1888, *Doryctes*)

caudalis (Hellén, 1957, *Oncophanes*)

igneae (Ratzeburg, 1852, *Bracon*) E

NMS, det. Shaw and van Achterberg, added here

imperator (Haliday, 1836, *Rogas*) I

zonata (Wesmael, 1838, *Ischiogonus*)

praecisa (Ratzeburg, 1852, *Bracon*)

cingulata (Provancher, 1880, *Syngaster*)

dubia (Kokujev, 1900, *Doryctes*)

iranica (Telenga, 1941, *Doryctodes*)

niger (Hedwig, 1957, *Coeloides*)

RHACONOTUS Ruthe, 1854

HEDYSOMUS Förster, 1862

HORMIOPTERUS Giraud, 1869

RHADINOGASTER Szépligeti, 1908

¹³² Probably occurred only in imported timber. Its British status appears to depend solely on specimens reared in July 1908 from Austrian oak imported to a timber yard near Millwall docks (Elliott & Morley, 1911).

¹³³ Regarded as a synonym of *striatellus* by Belokobylskij *et al.* (2003).

¹³⁴ Removed from synonymy with *Dendrosotinus* Telenga, 1941 by van Achterberg (2003b).

EURYPHYMNUS Cameron, 1910
RHACONOTINUS Hedqvist, 1965
aciculatus Ruthe, 1854 E added by Shaw (1998)
cerdai Docavo Alberti, 1960
major Tobias, 1964

WACHSMANNIA Szépligeti, 1900¹³⁵
spathiiformis (Ratzeburg, 1848, *Bracon*) E
maculipennis Szépligeti, 1900 van Achterberg (1995)
obliteratus misident.

Tribe ECPHYLINI Hellén, 1957

ECPHYLUS Förster, 1862¹³⁶
TERENUSA Marshall, 1885
PARAECPHYLUS Ashmead, 1900
SACTOPUS Ashmead, 1900
SYCOSOTER Picard & Lichtenstein, 1917
eccoptogastris (Ratzeburg, 1848, *Bracon*)
hylesini (Ratzeburg, 1852, *Bracon*) E NMS, det. Shaw and van Achterberg, added in Fauna Europaea
pinicola Hedqvist, 1967 E S NMS, det. Shaw and van Achterberg, added in Fauna Europaea
silesiacus (Ratzeburg, 1848, *Bracon*) E¹³⁷ NMS, det. Shaw and van Achterberg, added in Fauna Europaea
minutissimus (Ratzeburg, 1848, *Bracon*) preocc.

Tribe HECABOLINI Förster, 1862

HECABOLUS Curtis, 1834
ANISOPELMA Wesmael, 1838
sulcatus Curtis, 1834 E W
belgicus (Wesmael, 1838, *Anisopelma*)

Species excluded from the British and Irish list

[**MONOLEXIS** Förster, 1862
fuscicornis Förster, 1862¹³⁸
lycti (Cresson, 1880, *Anisopelma*)
minimus (Cresson, 1880, *Anisopelma*)
utilis (Cresson, 1880, *Anisopelma*)
doderoi (Mantero, 1910, *Hecabolus*)
lavagnei Picard, 1913
atis Nixon, 1943]

Tribe HETEROSPILINI Fischer, 1981

HETEROSPILUS Haliday, 1836
SYNODUS misident.
TELEBOLUS Marshall, 1888
KAREBA Cameron, 1905
ANOCATOSTIGMA Enderlein, 1920
HARPAGOLACCUS Enderlein, 1920
LITUANIA Jakimavičius, 1968
ater Fischer, 1960 E added by Shaw (1998)
fuscexilis Shaw, 1997 E added by Shaw (1997)

species excluded from the British and Irish list

[**caesus** (Nees, 1834, *Bracon*) misident.¹³⁹]

¹³⁵ Belokobylskij (1992) synonymised *Wachsmannia* under *Ontsira* but van Achterberg (1995) disagreed and synonymised *Wachsmannia* under *Hypodoryctes* Kokujev, 1900. Van Achterberg (pers. comm. and in forthcoming version of Fauna Europaea) now regards *Wachsmannia* as a separate genus again.

¹³⁶ Other species are treated as synonyms of *silesiacus* by Belokobylskij *et al.* (2003) but van Achterberg (in Belokobylskij *et al.* 2003) states that there is biological evidence for several species.

¹³⁷ Shaw (1998) recorded *silesiacus* as British but was using the name in the broader sense (i.e. =*eccoptogastris*, =*hylesini*, =*pinicola*). Listed in Fitton *et al.* (1978) as *eccoptogastris*.

¹³⁸ Seems to have been included on the British list only on the basis of specimens emerging from Oak (*Quercus*) timber imported from the USA (e.g. Laing, 1928).

Tribe SPATHIINI Förster, 1862

SPATHIUS Nees, 1818

STENOPHASMUS Smith, 1859

EUSPATHIUS Förster, 1862

PSEUDOSPATHIUS Szépligeti, 1902

RHACOSPATHIUS Cameron, 1905

brevicaudis Ratzeburg, 1844 E W

NMS, det. Shaw, added in Fauna Europaea

curvicaudis Ratzeburg, 1844¹⁴⁰ E

added by Shaw (1988b)

erythrocephalus Wesmael, 1838

exarator (Linnaeus, 1758, *Ichneumon*) E S W I

formicatus (Linnaeus, 1767, *Ichneumon*)

mutillarius (Fabricius, 1775, *Ichneumon*)

mystacatus (Schrank, 1781, *Ichneumon*)

affinis (Fabricius, 1793, *Ichneumon*)

immaturus (Gravenhorst, 1807, *Ichneumon*)

clavatus (Panzer, 1809, *Cryptus*)

affinator (Thunberg, 1824, *Ichneumon*)

attenuator (Thunberg, 1824, *Ichneumon*)

formicator (Thunberg, 1824, *Ichneumon*) preocc.

mutillator (Thunberg, 1824, *Ichneumon*)

exannulatus Ratzeburg, 1848

ferrugatus Goureau, 1866

strandii Fahringer, 1930

breviterebrantus Dutu-Lacatusu, 1956

pedestris Wesmael, 1838 E¹⁴¹

apterus Wollaston, 1858

maderi Fahringer, 1930

hirtus Hedqvist, 1976

phymatodis Fischer, 1966 E

NMS, det. Shaw, added in Fauna Europaea

rubidus (Rossius, 1794, *Ichneumon*) E S I

umbratus (Fabricius, 1798, *Ichneumon*)

umbrator (Thunberg, 1824, *Ichneumon*) preocc,

rugosus Ratzeburg, 1848

sculpturatus Hellén, 1927

depressus Hedqvist, 1976

bimaculatus Telenga, 1941

Subfamily EUPHORINAE Förster, 1862

Tribe CENTISTINI Čapek, 1970

ALLURUS Förster, 1862

lituratus (Haliday, 1835, *Leiophron*)¹⁴² I

muricatus (Haliday, 1833, *Ancylus*) S I

armatus (Wesmael, 1835, *Leiophron*)

niger (Lyle, 1926, *Leiophron*)

CENTISTES Haliday, 1835

Subgenus **ANCYLOCENTRUS** Förster, 1862

ater (Nees, 1834, *Leiophron*) E I

excrucians (Haliday, 1835, *Leiophron*)

lativalvis (Jakimavičius, 1972, *Allurus*)

edentatus (Haliday, 1835, *Leiophron*) E I

nasutus (Wesmael, 1838, *Eubadizon*) E

Luff (1976a)

saxo (Reinhard, 1862, *Leiophron*)

¹³⁹ Excluded by Shaw & Huddleston (1991), see also Shaw (1997).

¹⁴⁰ Probably better treated as a synonym of *erythrocephalus*, on the basis of material in NMS.

¹⁴¹ Recorded as new to Britain by Perkins & Nixon (1939). Fitton *et al.* (1978) listed this as a species in need of confirmation, although, being wingless, it is straightforward to identify. There are additional British specimens in NHM, World Museum Liverpool, Manchester Museum and Leeds City Museum.

¹⁴² Synonymised under *muricatus* by van Achterberg (1985), later removed from synonymy by van Achterberg (1997), with a key to the species.

species excluded from the British and Irish list
[**subsulcatus** (Thomson, 1895, *Leiophron*)¹⁴³]

Subgenus **CENTISTES** Haliday, 1835

ANCYLUS Haliday, 1833

ANCYLLUS Haldeman, 1842

EUPHORIDEA Ashmead, 1900

LIOGALPHUS Ashmead, 1900

cuspidatus (Haliday, 1833, *Ancylus*) E I

lucidator (Nees, 1834, *Bracon*)

fuscipes (Nees, 1834, *Bracon*) E

fuscipes (Wesmael, 1835, *Leiophron*)

Subgenus **SYRRHIZUS** Förster, 1862

delusorius (Förster, 1862, *Syrrhizus*) E S

PYGOSTOLUS Haliday, 1833¹⁴⁴

falcatus (Nees, 1834, *Leiophron*) E

testaceus misident.

multiarticulatus (Ratzeburg, 1852, *Blacus*) E

falcatus (Wesmael, 1838, *Blacus*) preocc.

otiorhynchi (Boudier, 1834, *Bracon*)¹⁴⁵ E S

sticticus (Fabricius, 1798, *Ichneumon*) E S I M

testaceus (Fallén, 1813, *Bassus*) preocc.

sticticator (Thunberg, 1824, *Ichneumon*)

barynoti (Boudier, 1834, *Bracon*)

gigas (Wesmael, 1835, *Blacus*)

SPATHICOPIS van Achterberg, 1977

flavocephala van Achterberg, 1977 E NMS, det. van Achterberg, added here

Tribe COSMOPHORINI Muesebeck & Walkley, 1951

COSMOPHORUS Ratzeburg, 1848

COSMOPHORINUS Viereck, 1925

cembrae Ruschka, 1925 E added by Shaw (1989)

Tribe DINOCAMPINI Shaw, 1985

DINOCAMPUS Förster, 1862

coccinellae (Schrank, 1802, *Ichneumon*) E S W I

terminatus (Nees, 1812, *Bracon*)

sculptus (Cresson, 1872, *Euphorus*)

americanus (Riley, 1888, *Centistes*)

ROPALOPHORUS Curtis, 1837

RHOPALOPHORUS Blanchard, 1840 emendation, preocc.

CORYNOPHORE Blanchard, 1845

EUSTALOCERUS Förster, 1862

clavicornis (Wesmael, 1835, *Microctonus*) E

wisconsinensis Shenefelt, 1960 Yang *et al.* (2003)

Tribe EUPHORINI Förster, 1862

CHRYSOPOPHTHORUS Goidanich, 1948

hungaricus (Kiss, 1927, *Helorimorpha*) E added by Shaw (1996a)

chrysopimarginis Goidanich, 1948

¹⁴³ Not included in Fitton *et al.* (1978) but listed as British in Taxapad as it was recorded by Kerrich (1932), as a tentative identification (by Roman), which has not been corroborated.

¹⁴⁴ Distribution data from van Achterberg (1992a) and NHM.

¹⁴⁵ Van Achterberg (1992a) separated *otiorhynchi* from *falcatus* but Belokobylskij *et al.* (2003), without comment, treated the two names as synonymous again. This is not followed here as *otiorhynchi* and *falcatus* seem to be obviously distinct species.

elegans Tobias, 1961

LEIOPHRON Nees, 1818¹⁴⁶

Subgenus **EUPHORUS** Nees, 1834¹⁴⁷

duploclaviventris Shenefelt, 1969 E

claviventris (Ruthe, 1856, *Microctonus*) preocc.

ruthei Loan, 1974

pallidistigma (Curtis, 1833, *Leiophron*) E I

pallicornis (Nees, 1834, *Euphorus*)

claviventris (Wesmael, 1835, *Microctonus*)

intacta (Haliday, 1835, *Leiophron*)

parvula (Ruthe, 1856, *Microctonus*)

similis (Curtis, 1833, *Leiophron*)¹⁴⁸ E W I

basalis (Curtis, 1833, *Leiophron*)

Subgenus **LEIOPHRON** Nees, 1818

LIOPHRON Förster, 1862

apicalis Haliday, 1833 E I M

apicalis Curtis, 1833 preocc.

ornata (Marshall, 1887, *Euphorus*)¹⁴⁹

fascipennis (Ruthe, 1856, *Microctonus*) E

fascipennis misspelling

aciculata Belokobylskij, 1993

fulvipes Curtis, 1833 E

heterocordyli Richards, 1967 E

PERISTENUS Förster, 1862

accinctus (Haliday, 1835, *Leiophron*)

laeviventris (Ruthe, 1856, *Microctonus*)

intermedius (Ruthe, 1856, *Microctonus*)

antennalis (Hincks, 1943, *Leiophron*) preocc. I

added by van Achterberg (1997)¹⁵⁰

picipes (Haliday, 1835, *Leiophron*) preocc.

facialis (Thomson, 1892, *Euphorus*) E W

fascialis misspelling

microcerus (Thomson, 1892, *Euphorus*)

grandiceps (Thomson, 1892, *Euphorus*)¹⁵¹ E I

malatus Loan, 1976 S Loan (1976)

nitidus (Curtis, 1833, *Leiophron*) E

orchesia (Curtis, 1833, *Leiophron*) E

rufibarbis (Curtis, 1837, *Leiophron*)

orthotyli (Richards, 1967, *Leiophron*) E

pallipes (Curtis, 1833, *Leiophron*)¹⁵² E S I M

barbiger (Wesmael, 1835, *Microctonus*)

pallipes (Herrich-Schäffer, 1838, *Perilitus*) preocc.

mellipes (Cresson, 1872, *Euphorus*)

punctatus (Provancher, 1883, *Microctonus*)

tuberculifer (Marshall, 1887, *Euphorus*)

nocturnus (Viereck, 1905, *Brachistes*)

picipes (Curtis, 1833, *Leiophron*) E I

coactus (Marshall, 1887, *Euphorus*)

species excluded from the British and Irish list

[**brevicornis** (Herrich-Schäffer, 1838, *Perilitus*)¹⁵³]

¹⁴⁶ Distribution and much taxonomic data from Richards (1967), New (1970) and Loan (1974).

¹⁴⁷ Treated as a subgenus of *Leiophron* by Belokobylskij (2000a).

¹⁴⁸ Listed twice, under *Microctonus* and *Leiophron*, by Fitton *et al.* (1978).

¹⁴⁹ The type is lost but Loan (1974) suggested, on the basis of possible type material (collected in England), that *ornata* may be a synonym of *apicalis*, a synonymy which has been carried out by Papp (2003).

¹⁵⁰ Hincks's was a replacement name for Haliday's use of the name *picipes* for a species that is distinct from *picipes* (Curtis). Preoccupied by *Leiophron antennalis* Watanabe, 1937 (now classified in *Centistes* (*Ankylocentrus*))

¹⁵¹ Not listed by Fitton *et al.* (1978), although it was taken out of synonymy with *orchesia* by Loan (1974).

¹⁵² Van Achterberg has identified a Scottish specimen as *barbiger*, currently listed as a junior synonym of *pallipes*.

[**duplobrevicornis** (Shenefelt, 1969, *Leiophron*)
brevicornis (Ruthe, 1856, *Microctonus*) preocc.¹⁵⁴]
[**mitis** (Haliday, 1833, *Leiophron*)¹⁵⁵]

RILIPERTUS Haeselbarth, 1996
intricatus (Ruthe, 1859, *Microctonus*) S I
borealis (Thomson, 1892, *Perilitus*) Haeselbarth (1996)

WESMAELIA Förster, 1862
petiolata (Wollaston, 1858, *Euphorus*) E
pendula Förster, 1862
cremasta Marshall, 1872
americana Myers, 1917
asiatica Shestakov, 1932

Tribe MYIOCEPHALINI Chen & van Achterberg, 1997
LOXOCEPHALINI Shaw, 1985 invalid

MYIOCEPHALUS Marshall, 1897
LOXOCEPHALUS Förster, 1862 preocc.
SPILOMMA Morley, 1909
boops (Wesmael, 1835, *Microctonus*) E I
longipes (Förster, 1862, *Loxocephalus*)
laticeps (Provancher, 1886, *Gamosecus*)
falconivibrans (Morley, 1909, *Spilomma*)
hedini (Fahringer, 1930, *Aphidius*)

Tribe NEONEURINI Bengtsson, 1918¹⁵⁶
ELASMOSOMINI Viereck, 1918

ELASMOSOMA Ruthe, 1858
PARAMIRAX Ashmead, 1895 unavailable
berolinense Ruthe, 1858 E added by Shaw (2009)

NEONEURUS Haliday, 1838
ECCLITES Förster, 1862
SIXIA Vollenhoven, 1867 van Achterberg (1997)
auctus (Thomson, 1895, *Elasmosoma*) E
halidaii Marshall, 1897
bistigmaticus (Morley, 1909, *Euphorus*)

Tribe PERILITINI Förster, 1862
MICROCTONINI Shaw, 1985

PERILITUS Nees, 1818
Subgenus **MICROCTONUS** Wesmael, 1835
GAMOSECUS Provancher, 1880
aciculatus Haeselbarth, 2008 I added by Haeselbarth (2008)
aethiops Nees, 1834 E I
spurius (Ruthe, 1856, *Microctonus*) Haeselbarth (2008)
?brevispina (Thomson, 1892, *Euphorus*) Haeselbarth (2008)
aethiopoides (Loan, 1975, *Microctonus*) Haeselbarth (2008)
alticae Haeselbarth, 2008 E added by Haeselbarth (2008)

¹⁵³ Listed by Loan (1974) as *incertae sedis* within *Peristenus* or *Leiophron*, by Fitton *et al.* (1978) as a doubtfully placed species of *Leiophron* and by van Achterberg (in Belokobylskij *et al.*, 2003) as a species of *Peristenus*. We cannot trace any references to this species occurring in Britain or Ireland.

¹⁵⁴ According to Loan (1974), the type of *brevicornis* (Ruthe) is lost and the species cannot be identified with certainty. Recorded as British by Marshall (1872). Belokobylskij *et al.* (2003) list it as a species of *Peristenus* (= *Leiophron* according to Belokobylskij).

¹⁵⁵ According to van Achterberg (in Belokobylskij *et al.*, 2003) the type is lost and was most probably a deformed specimen anyway.

¹⁵⁶ Treated as a separate subfamily in many works (e.g. Shaw & Huddleston, 1991; van Achterberg, 1993a) but recent phylogenetic studies have shown the neoneurines to be nested within the Euphorinae (e.g. Belshaw & Quicke, 2002; Downton *et al.*, 2002).

| | |
|--|--|
| aphthonae Haeselbarth, 2008 E I | added by Haeselbarth (2008) |
| apiophaga (Loan, 1974, <i>Microctonus</i>) | |
| areolatus Thomson, 1892 E | |
| belokobylskiji Haeselbarth, 2008 I | added by Haeselbarth (2008) |
| brassicae Haeselbarth, 2008 E | added by Haeselbarth (2008) |
| brevicollis Haliday, 1835 E I | |
| cerealium Haliday, 1835 E I | |
| <i>secalis</i> Haliday, 1833 unavailable | |
| colesi (Drea, 1968, <i>Microctonus</i>) S I | added by Haeselbarth (2008) |
| consuetor Nees, 1834 S | added by Haeselbarth (2008) |
| debilis Wollaston, 1858 I | added by Haeselbarth (2008) |
| ? <i>gracilipes</i> Thomson, 1892 | |
| fagi Haeselbarth, 2008 E I | added by Haeselbarth (2008) ¹⁵⁷ |
| fittkau Haeselbarth, 2008 E | added by Haeselbarth (2008) |
| flaviventris Thomson, 1892 I | added by Haeselbarth (2008) |
| <i>areolatus</i> Thomson, 1892 | |
| haszprunari Haeselbarth, 2008 I | added by Haeselbarth (2008) |
| lipari (Čapek & Starý, 1995, <i>Microctonus</i>) E | added by Haeselbarth (2008) |
| melanopus (Ruthe, 1856, <i>Microctonus</i>) E S I | added by Haeselbarth (2008) |
| parcicornis (Ruthe, 1856, <i>Microctonus</i>) E | |
| perforatus Haeselbarth, 2008 E | added by Haeselbarth (2008) |
| podargae Haeselbarth, 2008 E | added by Haeselbarth (2008) |
| retusus (Ruthe, 1856, <i>Microctonus</i>) E I | added by Luff (1976b) ¹⁵⁸ |
| <i>lancearius</i> (Ruthe, 1856, <i>Microctonus</i>) | Haeselbarth (2008) |
| <i>caudatus</i> Thomson, 1892 | Haeselbarth (2008) |
| silvularis Haeselbarth, 2008 S I | added by Haeselbarth (2008) |
| stenocari Haeselbarth, 2008 S | added by Haeselbarth (2008) |
| strophosomi Haeselbarth, 2008 S I | added by Haeselbarth (2008) |
| thyellae Haeselbarth, 2008 E S | added by Haeselbarth (2008) |

Subgenus **PERILITUS** Nees, 1818

| | |
|--|-----------------------------|
| areolaris Gerdin & Hedqvist, 1985 E | added by Haeselbarth (1999) |
| dubius (Wesmael, 1838, <i>Microctonus</i>) E | |
| <i>rutilus</i> Herrich-Schäffer, 1838 preocc. | |
| foveolatus Reinhard, 1862 E W | |
| <i>sicheli</i> Giard, 1895 | Haeselbarth (1999) |
| marci Haeselbarth, 1999 E | added by Haeselbarth (1999) |
| rutilus (Nees, 1811, <i>Bracon</i>) E I | |
| <i>luteus</i> Herrich-Schäffer, 1838 | |
| <i>ruralis</i> Herrich-Schäffer, 1838 | |
| <i>strenuus</i> Marshall, 1887 | Haeselbarth (1999) |
| <i>pyri</i> (Viereck, 1917, <i>Dinocampus</i>) | |
| <i>tuberculus</i> Zaykov, 1981 | Haeselbarth (1999) |

species excluded from the British and Irish list

[**falciger** (Ruthe, 1856, *Microctonus*)¹⁵⁹]

Subgenus **TOWNESILITUS** Haeselbarth & Loan, 1983

| | |
|--|-----------------------------|
| aemulus (Ruthe, 1856, <i>Microctonus</i>) E W I | added by Haeselbarth (1988) |
| <i>punctifrons</i> (Watanabe, 1955, <i>Microctonus</i>) | |
| bicolor (Wesmael, 1835, <i>Microctonus</i>) E W I | |
| <i>breviradialis</i> (Tobias, 1976, <i>Microctonus</i>) | |
| deceptor (Wesmael, 1835, <i>Microctonus</i>) E S I | |
| | added by Haeselbarth (1988) |
| fulviceps (Ruthe, 1856, <i>Microctonus</i>) E | added by Haeselbarth (1988) |

STREBLOCERA Westwood, 1833¹⁶⁰

LECYTHODELLA Enderlein, 1912

Subgenus **STREBLOCERA** Westwood, 1833

¹⁵⁷ Specimens tentatively associated with the type material.

¹⁵⁸ Overlooked by Fitton *et al.* (1978) and O'Connor *et al.* (1999).

¹⁵⁹ Richards (1960) states that it is not known with certainty from Britain.

¹⁶⁰ *Cosmophoridia* Hedqvist, 1955 and *Eutanycerus*, usually considered synonymous with *Streblocera*, were regarded as valid subgenera by Chen & van Achterberg (1997).

fulviceps Westwood, 1833 E
longiscapha Westwood, 1882 E

Subgenus **EUTANYCERUS** Förster, 1862
 VILLOCERA Chen & van Achterberg, 1997
Belokobylskij (2000)

macroscapa (Ruthe, 1856, *Microctonus*) E
 halidayana (Förster, 1862, *Eutanycerus*)

Tribe SYNTRETINI Shaw, 1985

SYNTRETUS Förster, 1862¹⁶¹
 FALCOSYNTRETUS Tobias, 1965
 PARASYNTRETUS Belokobylskij, 1993
conterminus (Nees, 1834, *Perilitus*) E S I
breviradialis van Achterberg & Haeselbarth, 2003 E
 added by Broad (2009)
elegans (Ruthe, 1856, *Microctonus*) I
 transsylvanicus (Kiss, 1927, *Perilitus*)
 added by van Achterberg & Haeselbarth (2003)
flevo van Achterberg & Haeselbarth, 2003 E I added by van Achterberg & Haeselbarth (2003)
fuscicoxis van Achterberg & Haeselbarth, 2003 E I
 added by van Achterberg & Haeselbarth (2003)
fuscivalvis van Achterberg & Haeselbarth, 2003 E S I
 added by van Achterberg & Haeselbarth (2003)
idalius (Haliday, 1833, *Perilitus*) E S I
 vernalis (Wesmael, 1835, *Microctonus*)
 cultus (Marshall, 1887, *Microctonus*)
ocularis van Achterberg & Haeselbarth, 2003 E W S
 added by van Achterberg & Haeselbarth (2003)
politus (Ruthe, 1856, *Microctonus*) E I
 cynthius (Curtis, 1837, *Microctonus*) nom. nud.
 cynthius Lyle, 1927
 van Achterberg & Haeselbarth (2003)
pusio (Marshall, 1898, *Microctonus*) E I
splendidus (Marshall, 1887, *Microctonus*) E S I
 testaceus (Capron, 1887, *Microctonus*)
 niger Tobias, 1976
taegeri van Achterberg & Haeselbarth, 2003 E
 added by van Achterberg & Haeselbarth (2003)
xanthocephalus (Marshall, 1887, *Microctonus*) E S I
 tempestivus (Curtis, 1837, *Microctonus*) nom. nud.
 lyctaea Cole, 1959
 lyctae misspelling
 van Achterberg & Haeselbarth (2003)
zuijleni van Achterberg & Haeselbarth, 2003 E S I
 added by van Achterberg & Haeselbarth (2003)

species excluded from the British and Irish list
[**parvicornis** (Ruthe, 1862, *Microctonus*)¹⁶²]

Subfamily EXOTHECINAE Förster, 1862
 PHANOMERINAE Fahringer, 1928

COLASTES Haliday, 1833¹⁶³
Subgenus **COLASTES** Haliday, 1833
 EXOTHECUS Wesmael, 1838
 PHANOMERIS Förster, 1862
 PHAENOMERIS Dalla Torre, 1898
affinis (Wesmael, 1838, *Exothecus*)¹⁶⁴ E W S
 NMS, det. Shaw & van Achterberg, added here
braconius Haliday, 1833 E S W I M
 debilis (Wesmael, 1838, *Exothecus*)
 Shaw & Askew (1976)

¹⁶¹ Distribution and synonymic data from van Achterberg & Haeselbarth (2003).

¹⁶² Not listed as British or Irish by van Achterberg & Haeselbarth (2003).

¹⁶³ Belokobylskij (1998) treats *Shawiana* and *Xenarcha* as subgenera of *Colastes*.

¹⁶⁴ Treated as a species of *Xenarcha* by Belokobylskij (1998).

gracilis Papp, 1975
fragilis (Haliday, 1836, *Rogas*) E S
semeyticus Jakimavičius, 1969
incertus (Wesmael, 1838, *Exothecus*) E S
magdalenae Sterzynski, 1983 E NMS, det. Shaw & van Achterberg, added on Fauna Europaea
pubicornis (Thomson, 1892, *Exothecus*) E S added by Godfray & McGavin (1985)
vividus Papp, 1975 E NMS, det. Shaw, added here

Subgenus **FUNGIVENATOR** van Achterberg & Shaw, 2008
sandeii van Achterberg & Shaw, 2008 E added by van Achterberg & Shaw (2008)

SHAWIANA van Achterberg, 1983
PHANOMERIS misident.
catenator (Haliday, 1836, *Rogas*) E S W Shaw & Askew (1976)
laevis (Thomson, 1892, *Exothecus*) E NMS, det. Shaw, added on Fauna Europaea
lissogaster (Tobias, 1986, *Colastes*)
rugulosus (Hellén, 1959, *Colastes*)
lapponicus (Thomson, 1892, *Exothecus*) E,S NHM, NMS, det Shaw & van Achterberg, added on Fauna Europaea

XENARCHA Förster, 1862
ZAMEGASPILUS Ashmead, 1900
abnormis (Wesmael, 1838, *Exothecus*) E S W NMS, det. Shaw , added on Fauna Europaea
glabricollis (Thomson, 1892, *Exothecus*)
lustrator (Haliday, 1836, *Rogas*) E W I
dimidiatus (Nees, 1834, *Bracon*) preocc.
lustratrix Schulz, 1906
thomsoni (Szépligeti, 1906, *Phanomeris*)

Subfamily GNAMPTODONTINAE Fischer, 1970
 GNAMPTODONTINAE misspelling
 GNAPTOGASTRINAE Tobias, 1976

GNAMPTODON Haliday, 1836
GNAMPTODON Haliday, 1837 suppressed
DIRAPHUS Wesmael, 1838
MESOTAGES Förster, 1862
decoris (Förster, 1862, *Mesotages*) E W NMS, det. Shaw, added on Fauna Europaea
klemensiewiczii Niezabitowski, 1910
bachmaieri Fischer, 1957
pumilio (Nees, 1834, *Bracon*) E S I Shaw & Askew (1976)
pygmaeus (Wesmael, 1838, *Diraphus*)

Subfamily HELCONINAE Förster, 1862¹⁶⁵

Tribe HELCONINI Förster, 1862¹⁶⁶

HELCON Nees, 1814
GYMNOSCELUS Förster, 1862
EDYIA Cameron, 1905
COELOSTEPHANUS Kieffer, 1911
claviventris Wesmael, 1835 E added by van Achterberg (1987)
tardator Nees, 1812 E
?adulterator (Villers, 1789, *Ichneumon*)

HELCONIDEA Viereck, 1914
dentator (Fabricius, 1804, *Pimpla*) E
aequator (Nees, 1812, *Helcon*)
tentator (Thunberg, 1824, *Ichneumon*) preocc.
rugator (Ratzeburg, 1848, *Helcon*)
armator (Marshall, 1898, *Helcon*)

¹⁶⁵ The Diospilini were removed to the Brachistinae by Sharanowski *et al.* (2011).

¹⁶⁶ Much distribution and taxonomic data from van Achterberg (1987).

dentatrix (Schulz, 1906, *Pimpla*)
ruspator (Linnaeus, 1758, *Ichneumon*) E
dentator (Nees, 1812, *Helcon*) preocc.

WROUGHTONIA Cameron, 1899
DUPORTIA Kieffer, 1921
spinator (Lepelletier, 1825, *Helcon*) E
annulicornis (Nees, 1834, *Helcon*)

Subfamily HOMOLOBINAЕ van Achterberg, 1979

HOMOLOBUS Förster, 1862¹⁶⁷
ZELE misident.
Subgenus **APATIA** Enderlein, 1920
truncator (Say, 1828, *Bracon*) E
calcarator (Wesmael, 1835, *Phylax*)
melleus (Cresson, 1872, *Phylax*)
crassicalcaratus (Viereck, 1905, *Zelee*)
calcaratrix (Schulz, 1906, *Zelee*)
fuscitarsis (Bengtsson, 1918, *Phylacter*)
simillimus (Enderlein, 1920, *Apatia*)
unicolor (Enderlein, 1920 *Zelee*)
chlorophthalmus (Nixon, 1938, *Zelee*)¹⁶⁸

Subgenus **CHARTOLOBUS** van Achterberg, 1979
infumator (Lyle, 1914, *Zelee*) E S W I
wesmaeli (Bengtsson, 1918, *Phylacter*)
japonicus (Watanabe, 1932, *Zelee*)

Subgenus **HOMOLOBUS** Förster, 1862
discolor (Wesmael, 1835, *Phylax*) E W I
pectoralis (Herrich-Schäffer, 1838, *Rogas*)
van Achterberg (1992b)

Subgenus **OULOPHUS** van Achterberg, 1979
flagitator (Curtis, 1837, *Zelee*) E S W I
geminator (Lyle, 1914, *Zelee*)

Subgenus **PHYLACTER** Reinhard, 1863
annulicornis (Nees, 1834, *Rogas*) E S I
testaceator misident.
simplex (Herrich-Schäffer, 1838, *Rogas*) van Achterberg (1992b)

Subfamily HORMIINAE Förster, 1862

HORMIUS Nees, 1818
CHLIDONIA Herrich-Schäffer, 1838
HORMIELLUS Enderlein, 1912
MEDIELLA Hedqvist, 1963
ANHORMIUS Belokobylskij, 1989
maderae Graham, 1986 E NMS, det. Shaw & van Achterberg, added on Fauna Europaea
moniliatus (Nees, 1811, *Bracon*) E I M
brevipennis Hellén, 1957
dusmeti (Docavo Alberti, 1960, *Hormiopterus*)
insularis Hedqvist, 1965
coniceps Hellén, 1957
piciventris Wesmael, 1838¹⁶⁹ E S W I M NMS, det. Shaw & van Achterberg, added on Fauna Europaea

Subfamily ICHNEUTINAE Förster, 1862

¹⁶⁷ Shaw (2010) summarises the taxonomy and biology of British and Irish species, including some distribution data.

¹⁶⁸ Nixon's description of *chlorophthalmus* validated the use of the name for this taxon; *chlorophthalmus* of authors is a misidentification (*Bracon chlorophthalmus* Spinola, 1808 is actually a species of the true *Zelee*).

¹⁶⁹ Considered here to be a valid species; van Achterberg (in Belokobylskij *et al.*, 2003) considered that *piciventris* may be a distinct species, but it is listed as a synonym of *moniliatus* in Taxapad.

Tribe ICHNEUTINI Förster, 1862

ICHNEUTES Nees, 1814

brevis Wesmael, 1835 E I

reunitor Nees, 1816 E I

costatus (Zetterstedt, 1838, *Microgaster*)

laeviventris Hellén, 1958

leptostigma Hellén, 1958

Tribe PROTEROPINI van Achterberg, 1976

PROTEROPS Wesmael, 1835

ICHNEUTIDEA Ashmead, 1900

PROTEROPOIDES Viereck, 1909

nigripennis Wesmael, 1835 E S I

Subfamily MACROCENTRINAE Förster, 1862¹⁷⁰

AUSTROZELE Roman, 1910

PANISCOZELE Enderlein, 1920

PALINZELE Brues, 1922

LAEVIS Sharma, 1982

longipalpis van Achterberg, 1993 E

added by van Achterberg (1993b)

MACROCENTRUS Curtis, 1833

AMICROPLUS Förster, 1862

AMICROPLITES Dalla Torre, 1898

FHOGRA Cameron, 1901

LEPTOZELE Cameron, 1910

METAPLEURODON Enderlein, 1920

PSEUDOPHYLACTER Fahringer, 1929

bicolor Curtis, 1833 E S W I M

limbator (Ratzeburg, 1848, *Rogas*)

gracilipes Telenga, 1935¹⁷¹

blandus Eady and Clark, 1964 E S I

cingulum Brischke, 1882 E

grandii Goidanich, 1937

gifuensis misident.

collaris (Spinola, 1808, *Bracon*) E I

ebeninus (Nees, 1834, *Bracon*)

dubius (Wesmael, 1835, *Eubadizon*)

picipes (Haliday, 1835, *Helcon*)

dispar (Kollar, 1852, *Bracon*) preocc.

kollari (Rondani, 1877, *Bracon*)

Papp (1996a)

affinis Hedwig, 1961

affiniqades Shenefelt, 1969

equalis Lyle, 1914 E

infirmus (Nees, 1834, *Rogas*) E S I M

linearis (Nees, 1811, *Bracon*) E S I M

abdominalis (Fabricius, 1793, *Ichneumon*) preocc.

abdominator (Thunberg, 1824, *Ichneumon*)

fissura (Thunberg, 1824, *Ichneumon*)

pallidator (Zetterstedt, 1838, *Bracon*) preocc.

tenuis (Ratzeburg, 1848, *Rogas*)

iridescent French, 1880

gifuensis Ashmead, 1906

amicroploides Viereck, 1912

pallidatorius (Fahringer, 1928, *Bracon*)

marginator (Nees, 1811, *Bracon*)¹⁷² E S I

¹⁷⁰ Distribution data from Eady & Clark (1964) and van Achterberg & Haeselbarth (1983).

¹⁷¹ Van Achterberg & Haeselbarth (1983) and van Achterberg (1993b) treat *gracilipes* as a synonym of *bicolor* but Belokobylskij *et al.* (2003) list it as a synonym of *thoracicus*.

¹⁷² *Macrocentrus aegeriae* Rohwer, 1915 was removed from synonymy by van Achterberg & Haeselbarth (1983).

rugator (Ratzeburg, 1848, *Rogas*)
nidulator (Nees, 1834, *Rogas*) E S W I
longicaudis (Herrich-Schäffer, 1838, *Rogas*)
procerus Costa, 1884
curticaudis Telenga, 1950
nitidus (Wesmael, 1835, *Rogas*) E S
pallipes (Nees, 1811, *Bracon*) E
pallidipes Dalla Torre, 1898
resinellae (Linnaeus, 1758, *Ichneumon*) E S
resinator (Thunberg, 1824, *Ichneumon*) unavailable
flavipes (Ratzeburg, 1844, *Rogas*)
interstitialis (Ratzeburg, 1844, *Rogas*)
obscurator (Ratzeburg, 1848, *Rogas*)
intricator (Ratzeburg, 1852, *Helcon*)
punctifrons Thomson, 1895
sublaevis Thomson, 1895
thoracicus (Nees, 1811, *Bracon*) E W
longicornis (Wesmael, 1835, *Rogas*)
townesi van Achterberg & Haeselbarth, 1983 E S I
added by van Achterberg & Haeselbarth (1983)

Subfamily METEORINAE Cresson, 1887¹⁷³
ZELINI Ashmead, 1900
ZEMIOTINI van Achterberg, 1976

METEORUS Haliday, 1835¹⁷⁴
SAPROTICHUS Holmgren, 1868
PACHYTHECUS Cameron, 1912 preocc.
abdominator (Nees, 1811, *Perilitus*) E S I
brunnipes (Ruthe, 1862, *Perilitus*)
bruneipes Dalla Torre, 1898
brevipesalis Shenefelt, 1969
?delator (Haliday, 1835, *Perilitus*) van Achterberg (1997)
abscissus Thomson, 1895 E I
affinis (Wesmael, 1835, *Perilitus*) E S I
gracilis Ruthe, 1862 preocc.
punctiventris Ruthe, 1862
ruthei Schmiedeknecht, 1897
voloscensis Fischer, 1959
brevicauda Thomson, 1895¹⁷⁵ E
thuringiacus Schmiedeknecht, 1897
mongolicus Fahringer, 1935
cespitator (Thunberg, 1824, *Ichneumon*) E S W I
atrator (Curtis, 1832, *Zelee*)
similator (Nees, 1834, *Perilitus*)
microcerus (Wesmael, 1835, *Perilitus*)
humeralis (Zetterstedt, 1838, *Bracon*)
rufipes (Zetterstedt, 1838, *Bracon*)
ambiguus Ruthe, 1862
cinctellus (Spinola, 1808, *Bracon*)¹⁷⁶ E
fuscipes (Wesmael, 1835, *Perilitus*)
cis (Bouché, 1834, *Bracon*) E S W I
profligator (Haliday, 1835, *Perilitus*) van Achterberg in Belokobylskij *et al.* (2003)
colon (Haliday, 1835, *Perilitus*) E S W I

¹⁷³ Van Achterberg *et al.* (2000) argued that Meteorinae (comprising *Meteorus* and *Zelee*) is synonymous with Perilitini (Euphorinae). Although there is some evidence that meteorines belong in the Euphorinae (e.g. Belshaw *et al.*, 1998; Pitz *et al.*, 2007) most authors retain the Meteorinae as a separate subfamily for now.

¹⁷⁴ Distribution and synonymic data from Huddleston (1980), except where noted. Some synonymies, affecting the valid names of species treated by Huddleston, have been enacted by van Achterberg in Belokobylskij *et al.* (2003) and the Fauna Europaea checklist, in advance of a forthcoming revision of the genus.

¹⁷⁵ Listed by Fitton *et al.* (1978) but Huddleston (1980) could not find any British or Irish material. Shaw (1988a) has subsequently recorded it as a British species.

¹⁷⁶ This has recently been identified as *Meteorus necator* (Yu *et al.*, 2005) but, according to Stigenberg & Ronquist (2011), *Ichneumon necator* Fabricius, 1777, is actually a species of Microgastrinae.

fragilis (Wesmael, 1835, *Perilitus*)
fasciatus (Ratzeburg, 1844, *Perilitus*)
alternatus Ruthe, 1862
continuus Ruthe, 1862
luridus Ruthe, 1862
pallidus Ruthe, 1862
trivittatus Ruthe, 1862
consimilis (Nees, 1834, *Perilitus*) E I
brevipes (Wesmael, 1835, *Perilitus*)
albicornis Ruthe, 1862
flagellatus Alexeev, 1971
eadyi Huddleston, 1980 E W added by Huddleston (1980)
filator (Haliday, 1835, *Perilitus*) E S I
laticeps (Wesmael, 1835, *Perilitus*)
hosisensis Fischer, 1970
heliophilus Fischer, 1970 E added by Huddleston (1980)
hirsutipes Huddleston, 1980 I added by Huddleston (1980)
ictericus (Nees, 1811, *Bracon*) E S I M
minutor (Thunberg, 1824, *Ichneumon*)
lucidator (Trentepohl, 1829, *Bracon*)
ephippium (Curtis, 1832, *Zelee*)
xanthomelas (Wesmael, 1835, *Perilitus*)
rubriceps (Ratzeburg, 1844, *Perilitus*)
confinis Ruthe, 1862
consors Ruthe, 1862
fallax Ruthe, 1862
liquis Ruthe, 1862
pleuralis Ruthe, 1862
crassicus Thomson, 1895
lophyriphagus Fahringer, 1934
dumbletoni Muesebeck, 1939
adoxophyesi Minamikawa, 1954
makinoharanus Minamikawa, 1954
jaculator (Haliday, 1835, *Perilitus*) E I
obscurus Ruthe, 1862
tenuicornis Thomson, 1895
turcicus Fahringer, 1944
lionotus Thomson, 1895 E S added by Huddleston (1980)
ruficollatus Fischer, 1957
melanostictus Capron, 1887 E
niger Lyle, 1913
monachae Tobias, 1986 Belokobylskij (2000a)
micropterus (Haliday, 1835, *Perilitus*) E S I
obfuscatus (Nees, 1811, *Bracon*) E
thoracicus (Curtis, 1832, *Zelee*)
formosus (Wesmael, 1835, *Perilitus*)
orchesiae (Boie, 1841, *Alysia*)
fodori Papp, 1973
obsoletus (Wesmael, 1835, *Perilitus*) E I added by Huddleston (1980)
pachypus Schmiedeknecht, 1897
viridanae Johansson, 1964
pallipes (Wesmael, 1835, *Perilitus*) E S I M
nigritarsis Ruthe, 1862
pallidipes Marshall, 1887
pendulus (Müller, 1776, *Ichneumon*) E S I
pendulator (Latreille, 1799, *Ichneumon*)
gyrator (Thunberg, 1824, *Ichneumon*) van Achterberg in Belokobylskij *et al.* (2003)
ochraceator (Curtis, 1832, *Zelee*) nom. nud.
scutellator (Nees, 1834, *Perilitus*)
petiolator (Zetterstedt, 1838, *Bracon*)
parvulus Thomson, 1895
pulchricornis (Wesmael, 1835, *Perilitus*) E S I
striatus Thomson, 1895
thomsoni Marshall, 1899 added by Huddleston (1980)

japonicus Ashmead, 1906
nipponensis Viereck, 1912
baicalensis Telenga, 1950
graeffei Fischer, 1957
macedonicus Fischer, 1957
tuberculifer Fischer, 1957
rubens (Nees, 1811, *Bracon*) E S W I M
leviventris (Wesmael, 1835, *Perilitus*)
islandicus Ruthe, 1859
medianus Ruthe, 1862
vulgaris (Cresson, 1872, *Perilitus*)
dejanus (Rondani, 1877, *Perilitus*) Papp (1996a)
scutatus Costa, 1884
coquilleti Ashmead, 1889
heteroneurus Thomson, 1895
mellinervis Viereck, 1903
mamestrae Viereck, 1913
szechuanensis Fahringer, 1935
mesopotamicus Fischer, 1957
rufus (DeGeer, 1773, *Ichneumon*) E W
rufus (Retzius, 1783, *Ichneumon*) preocc.
unicolor (Wesmael, 1835, *Perilitus*) van Achterberg in Belokobylskij *et al.* (2003)
chinensis (Holmgren, 1868, *Saprotichus*)
sulcatus Szépligeti, 1896 E
insignis Muesebeck, 1939
molorchi Fischer, 1966
tabidus (Wesmael, 1835, *Perilitus*) E I
dubius Ruthe, 1862
facialis Ruthe, 1862
pentheri Fischer, 1970
tenellus Marshall, 1887¹⁷⁷ E
boreus Tobias, 1986 Stigenberg & Ronquist (2011)
versicolor (Wesmael, 1835, *Perilitus*) E S I
bimaculatus (Wesmael, 1835, *Perilitus*)
unicolor (Hartig, 1838, *Perilitus*) preocc.
brevicornis (Ratzeburg, 1844, *Perilitus*) preocc.
rugator (Ratzeburg, 1852, *Perilitus*)
decoloratus Ruthe, 1862
ikonomovi Fischer, 1959
hartigi Shenefelt, 1969
vexator (Haliday, 1835, *Perilitus*) E S I

species excluded from the British and Irish list
 [**flaviceps** (Ratzeburg, 1844, *Perilitus*) nom. dub.]

ZELE Curtis, 1832¹⁷⁸
PROTELUS Förster, 1862
ZEMIOTES Förster, 1862
albiditarsus Curtis, 1832 E S I
testaceator Curtis, 1832
albitarsis (Nees, 1834, *Perilitus*)
dispar (Wesmael, 1835, *Perilitus*)
calcitrator (Curtis, 1837, *Meteorus*)
wesmaeli (Boie, 1850, *Perilitus*)
testaceatrix Schulz, 1906
caligatus (Haliday, 1835, *Meteorus*) E S W I
neesii (Ruthe, 1862, *Meteorus*)
alaskensis (Ashmead, 1902, *Dyscoletes*)
sibiricus (Fahringer, 1930, *Meteorus*)
chlorophthalmus (Spinola, 1808, *Bracon*) E S I
chrysophthalmus (Nees, 1811, *Bracon*)

¹⁷⁷ Separated from *cinctellus* by Stigenberg & Ronquist (2011). Country level data are lacking for the segregated species.

¹⁷⁸ Distribution and synonymic data from van Achterberg (1979, 1984a). *Zelee longicauda* Curtis, 1832 is apparently a synonym of a species of *Eubazus* (van Achterberg, pers. comm.).

pallidus (Nees, 1811, *Bracon*) Stigenberg & Ronquist (2011)
nudator (Thunberg, 1824, *Ichneumon*)
splendens (Costa, 1884, *Meteorus*)
nigricollis (Thomson, 1895, *Meteorus*)
deceptor (Wesmael, 1835, *Perilitus*) E S W I
pallitarsis (Cresson, 1872, *Perilitus*)
rufulus (Thomson, 1895, *Meteorus*)
palliditarsis (Dalla Torre, 1898, *Meteorus*)
maximus (Muesebeck, 1923, *Meteorus*)
reticulatus (Muesebeck, 1923, *Meteorus*)
romani (Fahringer, 1930, *Meteorus*)
separandus (Fischer, 1957, *Meteorus*)

species excluded from the British and Irish list
[annulicrus (Thomson, 1895, *Meteorus*)¹⁷⁹]

Subfamily MICROGASTRINAE Förster, 1862¹⁸⁰

Tribe APANTELINI Viereck, 1918

APANTELES Förster, 1862¹⁸¹

UROGASTER Ashmead, 1898
XESTAPANTELES Cameron, 1910
ALLAPANTELES Brèthes, 1915
AREOLATUS Rao & Chalikwar, 1976 unavailable

atreus Nixon, 1973 E

brunnistigma Abidinbekova, 1969 E S W M
sotades Nixon, 1976

carpatus (Say, 1836, *Microgaster*) E
solitarius (Ashmead, 1900, *Urogaster*)
hawaiiensis (Ashmead, 1901, *Protapanteles*)
fuscicornis (Cameron, 1910, *Urogaster*)
piceoventris Muesebeck, 1921
igae Watanabe, 1932
sarcitorius Telenga, 1955
ultericus Telenga, 1955

chrysis Nixon, 1973 E

contaminatus (Haliday, 1834, *Microgaster*) S I

corvinus Reinhard, 1880 E S
lucidus Szépligeti, 1896
rasteratus Fahringer, 1936
aptus Papp, 1977

galleriae Wilkinson, 1932 E added by Shaw (in press)

lacteus (Nees, 1834, *Microgaster*)¹⁸² E

lenea Nixon, 1976 E S I

metacarpalis (Thomson, 1895, *Microgaster*) E I

miramis Nixon, 1976 E

myron Nixon, 1973 E S

obscurus (Nees, 1834, *Microgaster*) E I
arenarius (Haliday, 1834, *Microgaster*)

¹⁷⁹ Included in Fitton *et al.*'s (1978) checklist but we can trace no specimens or literature citations.

¹⁸⁰ The generic classification of Microgastrinae broadly follows Papp (1988), based on Mason's (1981) phylogenetic treatment of microgastrines that split up the large genus '*Apanteles*', which in turn built upon Nixon's (1965) assignment of '*Apanteles*' into species groups. We do not follow van Achterberg's (2003a) recent generic revision (reflected in Fauna Europaea), which reassigned many genera to *Apanteles* and *Protapanteles*. We consider this reclassification to be premature, being based on very little explicit character evidence and, with its concentration on western Palaearctic species, not really addressing the affinities of most of the world's microgastrine species. However, there are undoubted merits to van Achterberg's treatment as not all of the genera currently employed are well-defined. The following genera are recognised as valid by van Achterberg (2003a): *Apanteles* (= *Choeras*, *Dolichogenidea*, *Iconella*, *Illidops*, *Pholetesor*), *Cotesia*, *Deuterixys*, *Diolcogaster*, *Hygroplitis*, *Microgaster*, *Microplitis*, *Paroplitis* and *Protapanteles* (= *Distatrix*, *Glyptapanteles*, *Rasivalva*, *Sathon*). Some distribution data taken from Nixon (1965, 1968, 1970, 1972, 1973, 1974, 1976), remainder from NMS.

¹⁸¹ The generic placement of several species treated by Nixon (1973) in his *metacarpalis* group, here largely apportioned between *Apanteles* and *Dolichogenidea* following Papp (1988), is questionable (cf. van Achterberg, 2003a).

¹⁸² We follow Mason's (1981) placement of *lacteus* in *Apanteles* rather than Papp's (1988) placement in *Dolichogenidea*.

sodalis (Haliday, 1834, *Microgaster*) E
carbonarius (Ratzeburg, 1848, *Microgaster*) preocc.
ater (Ratzeburg, 1852, *Microgaster*) van Achterberg (1997)
lugens (Ratzeburg, 1852, *Microgaster*)
lindbergi Hedqvist, 1965
xanthostigma (Haliday, 1834, *Microgaster*) E S W M
ochrostigma (Wesmael, 1837, *Microgaster*)
xanthocarpus Szépligeti, 1901

species excluded from the British and Irish list

[**anomalon** (Curtis, 1830, *Microgaster*)¹⁸³]
[**picipes** (Bouché, 1834, *Microgaster*)¹⁸⁴]
[**nigripes** (Ratzeburg, 1844, *Microgaster*)¹⁸⁵]

CHOERAS Mason, 1981

arene (Nixon, 1973, *Apanteles*) E S I
dorsalis (Spinola, 1808, *Microgaster*) E W
cruciatus (Ratzeburg, 1844, *Microgaster*)
suffolciensis (Morley, 1902, *Microgaster*)
parasitellae (Bouché, 1834, *Microgaster*)¹⁸⁶ E S
adjuncta misident.
flavilabris (Ratzeburg, 1844, *Microgaster*)
rufilabris (Ratzeburg, 1844, *Microgaster*)
lictorius (Reinhard, 1880, *Apanteles*)
polypori (Gautier & Bonnamour, 1930, *Apanteles*)
ruficornis (Nees, 1834, *Microgaster*) E
hedymeles (Nixon, 1973, *Apanteles*)
tedellae (Nixon, 1961, *Apanteles*) E
epinotiae (Fischer, 1962, *Apanteles*)
epinotocida (Fischer, 1966, *Apanteles*)
tiro (Reinhard, 1880, *Microgaster*) E
validus (Thomson, 1895, *Apanteles*) E

DOLICHOGENIDEA Viereck, 1911¹⁸⁷

agilla (Nixon, 1972, *Apanteles*) E added by Shaw (in press)
piratica (Papp, 1977, *Apanteles*)
annularis (Haliday, 1834, *Microgaster*) E
appellator (Telenga, 1949, *Apanteles*) E added by Shaw (in press)¹⁸⁸
litae (Nixon, 1972, *Apanteles*)
artissima (Papp, 1971, *Apanteles*) E S W
abila (Nixon, 1972, *Apanteles*)
ate (Nixon, 1973, *Apanteles*) E
bres (Nixon, 1973, *Apanteles*) E
breviventris (Ratzeburg, 1848, *Microgaster*) E S W I
mesoxantha (Ruschka, 1917, *Apanteles*)
nilae (Telenga, 1961, *Apanteles*)
britannica (Wilkinson, 1941, *Apanteles*) E
candidata (Haliday, 1834, *Microgaster*) E S W M
longicauda (Wesmael, 1837, *Microgaster*) van Achterberg (1997)
terebrator (Ratzeburg, 1852, *Microgaster*)
coleophorae (Wilkinson, 1938, *Apanteles*) E

¹⁸³ This name appeared in Fitton *et al.* (1978) but is not listed by Papp (1988) or van Achterberg (2003a) and must remain an uninterpreted name.

¹⁸⁴ Papp (1987) intended to deal with this name, with a footnote in that paper saying that it would be dealt with under *A. xanthostigma*, but there is no mention there of *picipes*. It is presumed that the name *picipes* is a synonym or a *nomen dubium*; it is not listed as a valid species by van Achterberg (2003a).

¹⁸⁵ This name appeared in Fitton *et al.* (1978) but is not listed by Papp (1988) or van Achterberg (2003a).

¹⁸⁶ Listed under *Apanteles* and *Microgaster* in Fitton *et al.* (1978).

¹⁸⁷ See footnote under *Apanteles*.

¹⁸⁸ Papp (1988) notes, but does not follow, the view that *D. appellator* (Telenga, 1949) may be the valid name (cf. Kotenko and Tobias, 1986). Shaw (in press) has found that reared '*appellator*' and '*litae*' appear to be conspecific. The situation is complicated by Nixon's (1972) treatment of some series (from a different host in Cyprus, and from Egypt) as '*litae* var *operculellae*', and it is this that Papp (1988) lists as a junior synonym of *D. appellator*; the identity of var *operculellae* warrants further investigation.

coniferae (Haliday, 1834, *Microgaster*)¹⁸⁹ E M
credne (Nixon, 1973, *Apanteles*) E
cytherea (Nixon, 1972, *Apanteles*) E
decora (Haliday, 1834, *Microgaster*) I
lineata (Reinhard, 1880, *Apanteles*)
sibirica Fahringer, 1938
dilecta (Haliday, 1834, *Microgaster*) E M
femoralis (Bouché, 1834, *Microgaster*)
drusilla (Nixon, 1972, *Apanteles*) E
emarginata (Nees, 1834, *Microgaster*) E S W
scapularis (Bouché, 1834, *Microgaster*)
exilis (Haliday, 1834, *Microgaster*)¹⁹⁰ E
faucula (Nixon, 1972, *Apanteles*) E
gagates (Nees, 1834, *Microgaster*) E
glaber (Papp, 1978, *Apanteles*) E S added by Shaw (in press)
gracilariae (Wilkinson, 1940, *Apanteles*) E M
halidayi (Marshall, 1872, *Apanteles*) E S M
albipennis (Haliday, 1834, *Microgaster*) preocc.
halidaii misspelling
hilaris (Haliday, 1834, *Microgaster*) I
imperator (Wilkinson, 1939, *Apanteles*) E S W M
impura (Nees, 1834, *Microgaster*)
infima (Haliday, 1834, *Microgaster*) E
lacteicolor (Viereck, 1911, *Apanteles*) E
consersae (Fiske, 1911, *Apanteles*)
lacteipennis (Curtis, 1830, *Microgaster*)
lissonota (Tobias, 1964, *Apanteles*)
laevigata (Ratzeburg, 1848, *Microgaster*) E S W
hoplites (Ratzeburg, 1848, *Microgaster*)
calcarata (Ivanov, 1899, *Apanteles*)
laevigatoides (Nixon, 1972, *Apanteles*) E
laevissima (Ratzeburg, 1848, *Microgaster*) E
tersa (Papp, 1973, *Apanteles*)
lemariei (Nixon, 1961, *Apanteles*) E
lineipes (Wesmael, 1837, *Microgaster*) E S M
longicalcar (Thomson, 1895, *Apanteles*) E
longipalpis (Reinhard, 1880, *Apanteles*) E S
tadzhica (Telenga, 1949, *Apanteles*)¹⁹¹
marica (Nixon, 1972, *Apanteles*) E
ononidis (Marshall, 1889, *Apanteles*) E
petrovae (Walley, 1937, *Apanteles*) E added by Shaw (in press)
dioryctriae (Wilkinson, 1938, *Apanteles*)
magna (Telenga, 1955, *Apanteles*)
murinanae (Čapek & Zwölfer, 1957, *Apanteles*)
phaloniae (Wilkinson, 1940, *Apanteles*) E S W I
phaola (Nixon, 1972, *Apanteles*) E
praetor (Marshall, 1885, *Apanteles*) E
princeps (Wilkinson, 1941, *Apanteles*) E S W
punctiger (Wesmael, 1837, *Microgaster*) E S
itea (Nixon, 1972, *Apanteles*)
sicaria (Marshall, 1885, *Apanteles*) E S
chrysosticta (Marshall, 1899, *Apanteles*)
crudelis (Papp, 1971, *Apanteles*)
sisenna (Nixon, 1972, *Apanteles*) E¹⁹²
soikai (Nixon, 1972, *Apanteles*) E added by Shaw (in press)
#trachalus (Nixon, 1965, *Apanteles*) E S W I¹⁹³
sevocata (Papp, 1975, *Apanteles*)

¹⁸⁹ Revised status: inadvertently listed as a synonym of *candidata* by van Achterberg (1997) due to a drafting error (van Achterberg, pers. comm.).

¹⁹⁰ Treated as a separate species by van Achterberg (1997), rather than as a synonym of *Pholetesor viminetorum*.

¹⁹¹ Papp (1981) reports that the type series of *tadzhica* belongs to two species (*lactea* and *longipalpis*) but did not select a lectotype; Belokobylskij *et al.* (2003) treated the name as a synonym of *longipalpis*.

¹⁹² Recorded as British by Nixon (1972) but omitted by Fitton *et al.* (1978).

¹⁹³ A parasitoid of synanthropic Lepidoptera species and probably introduced to Britain and Ireland (Nixon, 1976).

ultor (Reinhard, 1880, *Apanteles*) E
 lactipennis (Ratzeburg, 1852, *Microgaster*) preocc.
victor (Wilkinson, 1941, *Apanteles*) E

species excluded from the British and Irish list
[**anarsiae** (Faure & Alabouvette, 1924, *Apanteles*)¹⁹⁴]
[**cerialis** (Nixon, 1976, *Apanteles*)¹⁹⁵
 areolaris (Balevski & Tobias, 1980, *Apanteles*) preocc.]
[**ensiformis** (Ratzeburg, 1844, *Microgaster*)¹⁹⁶]
[**evonymellae** (Bouché, 1834, *Microgaster*)¹⁹⁷
 iarbas (Nixon, 1972, *Apanteles*)]
[**litae** (Nixon, 1972, *Apanteles*)¹⁹⁸]

ILLIDOPS Mason, 1981
butalidis (Marshall, 1888, *Apanteles*) E S
naso (Marshall, 1885, *Apanteles*) E
 contortus (Tobias, 1964, *Apanteles*)
 crantor (Nixon, 1965, *Apanteles*)
 evander (Nixon, 1965, *Apanteles*)
 coresia (Nixon, 1973, *Apanteles*)
suevus (Reinhard, 1880, *Apanteles*) E
 minutus (Szépligeti, 1896, *Apanteles*)
 polonicus (Fahringer, 1936, *Apanteles*)
 brevisternis (Tobias, 1964, *Apanteles*)
 susplicax (Tobias, 1964, *Apanteles*)
 dion (Nixon, 1965, *Apanteles*)
 sesostris (Nixon, 1976, *Apanteles*)

species excluded from the British and Irish list
[**NAPAMUS** Papp, 1993
vipio (Reinhard, 1880, *Apanteles*)¹⁹⁹]

PHOLETESOR Mason, 1981
arisba (Nixon, 1973, *Apanteles*) E S
bicolor (Nees, 1834, *Microgaster*)²⁰⁰ E Shaw & Askew (1976)
 ardeaepenellae (Bouché, 1834, *Microgaster*)
 pedias (Nixon, 1973, *Apanteles*)
 umbellatarum (Haliday, 1834, *Microgaster*)
 schillei (Niezabitowski, 1910, *Apanteles*)
 longicauda (Fahringer, 1938, *Apanteles*)
circumscriptus (Nees, 1834, *Microgaster*) E S W I
 exiguus (Haliday, 1834, *Microgaster*)
 blancardellae (Bouché, 1834, *Microgaster*)
 lividipes (Wesmael, 1837, *Microgaster*)
 flavolimbatus (Ratzeburg, 1848, *Microgaster*)
 lautellus (Marshall, 1895, *Apanteles*)
elpis (Nixon, 1973, *Apanteles*) E
 girkanus (Tobias, 1976, *Apanteles*)
errans (Nixon, 1973, *Apanteles*) E
 arenicola (Papp, 1973, *Apanteles*)
laetus (Marshall, 1885, *Apanteles*) E S
 exiguus misident.²⁰¹

¹⁹⁴ Listed as a British species by Fitton *et al.* (1978) in error, there are no British records.

¹⁹⁵ Listed as a British species by Fitton *et al.* (1978) in error, only known from southern and Eastern Europe and Israel.

¹⁹⁶ Listed as a British species by Fitton *et al.* (1978) in error (see note under *Napamus vipio*).

¹⁹⁷ Listed as a British species by Fitton *et al.* (1978) in error, there are no British records.

¹⁹⁸ Listed as a British species by Fitton *et al.* (1978) in error, there are no British records.

¹⁹⁹ Mistakenly listed as a British species by Kloet & Hincks (1945) and Fitton *et al.* (1978). Shenefelt (1973) listed it as British on the misunderstanding that Morley & Rait-Smith (1933) had produced a catalogue of British Lepidoptera-parasitoid associations, whereas their listings also included non-British rearings from hosts that occur in Britain. Morley & Rait-Smith (1933) cite Marshall (1896) as the source of host records for *vipio*, who does not mention Britain. The braconid section of the 1978 checklist repeats many of Shenefelt's mistakes. *Apanteles vipio* was transferred from *Illidops* by Papp (1993).

²⁰⁰ Van Achterberg's (1997) synonymy of *bicolor* under *circumscriptus* is not followed here (Shaw, in press); it is probable that his reared series represents two species, *bicolor* and *circumscriptus*.

salalicus misident.
metallicus (Jakimavičius, 1972, *Apanteles*)
maritimus (Wilkinson, 1941, *Apanteles*) E S W
moldavicus (Tobias, 1975, *Apanteles*) E added by Shaw (in press)
nanus (Reinhard, 1880, *Apanteles*) E S W M
szoecsi (Papp, 1973, *Apanteles*)
phaetusa (Nixon, 1973, *Apanteles*) E S
viminetorum (Wesmael, 1837, *Microgaster*) E S W I
fuliginosus (Wesmael, 1837, *Microgaster*)

Tribe COTESIINI Mason, 1981

COTESIA Cameron, 1891²⁰²
CRYPTAPANTELES Viereck, 1910
STENOPLEURA Viereck, 1911
abstracta (Marshall, 1885, *Apanteles*) E S
complanata (Lyle, 1916, *Apanteles*)
affinis (Nees, 1834, *Microgaster*) E
euphorbiae (Bouché, 1834, *Microgaster*)
vinulae (Bouché, 1834, *Microgaster*)
harpyiae (Niezabitowski, 1910, *Apanteles*)
okamotoi (Watanabe, 1932, *Apanteles*)
planus (Watanabe, 1932, *Apanteles*)
analís (Nees, 1834, *Microgaster*) E
praetextata (Haliday, 1834, *Microgaster*)
mediana (Ratzeburg, 1852, *Microgaster*)
leucaniae (Wikinson, 1937, *Apanteles*)
astrarches (Marshall, 1889, *Apanteles*) E S W
?arctica (Thomson, 1895, *Apanteles*)²⁰³
genalis (Tobias, 1964, *Apanteles*)
bignellii (Marshall, 1885, *Apanteles*) E W I
brevicornis (Wesmael, 1837, *Microgaster*) E S
cleoceridis (Marshall, 1889, *Apanteles*)
cajae (Bouché, 1834, *Microgaster*) E
difficilis (Nees, 1834, *Microgaster*)
callimone (Nixon, 1974, *Apanteles*) S W I
scelerata (Tobias, 1986, *Apanteles*)
chares (Nixon, 1965, *Apanteles*) E
cleora (Nixon, 1974, *Apanteles*) E
coryphe (Nixon, 1974, *Apanteles*)²⁰⁴ E
cuprea (Lyle, 1925, *Apanteles*) E S
errator (Nixon, 1974, *Apanteles*) E W
eulipis (Nixon, 1974, *Apanteles*) E S
?euryale (Nixon, 1974, *Apanteles*) E²⁰⁵
ferruginea (Marshall, 1885, *Apanteles*) E
gades (Nixon, 1974, *Apanteles*) E added by Allen (1978)
gastropachae (Bouché, 1834, *Microgaster*) E S M
geryonis (Marshall, 1885, *Apanteles*) E
glomerata (Linnaeus, 1758, *Ichneumon*) E S M
glomerator (Thunberg, 1824, *Ichneumon*)
nigriventris (Nees, 1834, *Microgaster*)
recondita (Nees, 1834, *Microgaster*)
stellatarum (Bouché, 1834, *Microgaster*)
crataegi (Ratzeburg, 1844, *Microgaster*)

²⁰¹ Shaw (in press) identified *exiguus sensu* Nixon (1973), as an extreme of morphological variation within *laetus*; van Achterberg (1997) had identified this ‘form’ as *salalicus* (Mason, 1959, *Apanteles*), a different, Nearctic species.

²⁰² Some taxonomic and distribution data for species parasitizing Lycaenidae taken from Shaw (2007).

²⁰³ Nixon’s (1974) *arctica* encompassed two species that occur in Britain, *astrarches* and *tenebrosa*. It is not clear which, if either, the name *arctica* is associated with. The name *astrarches* was placed, erroneously, in synonymy with *arctica* by Nixon (1974), which was followed by Fitton *et al.* (1978). Shaw (2007) clarified the status of *astrarches*.

²⁰⁴ Papp (1987) synonymised *coryphe* under *rubripes* but this seems unwarranted, given the distinctly different hosts and other aspects of biology.

²⁰⁵ It is not clear from Nixon (1974) that this species occurs in Britain, despite its being ‘bred in captivity at Slough’.

oleracea (Taylor, 1860, *Microgaster*)
pieridis (Packard, 1881, *Microgaster*) preocc.
pieridivora (Riley, 1882, *Microgaster*)
aporiae (Ivanov, 1899, *Apanteles*)
nawaii (Ashmead, 1906, *Glyptapanteles*)
aporiae (Matsumura, 1908, *Apanteles*) preocc.
heterotergis (Fahringer, 1936, *Apanteles*)
gonopterygis (Marshall, 1885, *Apanteles*) E
hyphantriae (Riley, 1887, *Apanteles*) E W
inducta (Papp, 1973, *Apanteles*) E I added by Revels (2006); Shaw (2007)
tenuivalvis (Tobias, 1986, *Apanteles*)
isolde (Nixon, 1974, *Apanteles*) E S
jucunda (Marshall, 1885, *Apanteles*) E S
nigrinervis (Thomson, 1895, *Microgaster*)
juniperatae (Bouché, 1834, *Microgaster*) E S
kurdjumovi (Telenga, 1955, *Apanteles*) E S
laverna (Nixon, 1974, *Apanteles*)
limbata (Marshall, 1885, *Apanteles*) E S
kawadai (Watanabe, 1934, *Apanteles*)
lineola (Curtis, 1830, *Microgaster*) E
gabrielis (Gautier & Riel, 1919, *Apanteles*)
melanoscela (Ratzeburg, 1844, *Microgaster*) E
solitaria (Ratzeburg, 1844, *Microgaster*)
creata (Balevski, 1980, *Apanteles*)
melitaeorum (Wilkinson, 1937, *Apanteles*) E S W
melitaeorum misspelling
ukrainica (Tobias, 1986, *Apanteles*)
notha (Marshall, 1885, *Apanteles*) E S
numen (Nixon, 1974, *Apanteles*) E S
ofella (Nixon, 1974, *Apanteles*) E
?perspicua (Nees, 1834, *Microgaster*)²⁰⁶
onaspis (Nixon, 1974, *Apanteles*) E
avetyanae (Tobias, 1976, *Apanteles*)
orestes (Nixon, 1974, *Apanteles*) E
pilicornis (Thomson, 1890, *Microgaster*) E S W I²⁰⁷
piliflagellaris (Tobias, 1986, *Apanteles*)
praepotens (Haliday, 1834, *Microgaster*)²⁰⁸ E I
placida (Haliday, 1834, *Microgaster*) van Achterberg (1997)
memnon (Nixon, 1974, *Apanteles*) van Achterberg (1997)
acutivalvis (Balevski, 1980, *Apanteles*)
beshtaii (Tobias, 1986, *Apanteles*)
risilis (Nixon, 1974, *Apanteles*) E
rubecula (Marshall, 1885, *Apanteles*) E
rubripes (Haliday, 1834, *Microgaster*) E S
ruficrus (Haliday, 1834, *Microgaster*) E W M
antipoda (Ashmead, 1900, *Apanteles*)
manilae (Ashmead, 1904, *Apanteles*)
sydneyensis (Cameron, 1911, *Apanteles*)
narangae (Viereck, 1913, *Apanteles*)
sesamiae (Risbec, 1956, *Apanteles*) nom. nud.
salebrosa (Marshall, 1885, *Apanteles*) E S
callunae Nixon, 1974
saltatoria (Balevski, 1980, *Apanteles*) E S added by Shaw (2007)
sericea (Nees, 1834, *Microgaster*) E S
praepotens misident.²⁰⁹
brachycera (Thomson, 1895, *Apanteles*) van Achterberg (1997)
sibyllarum (Wilkinson, 1936, *Apanteles*) E
spuria (Wesmael, 1837, *Microgaster*) E S W M

²⁰⁶ Listed, without explanation, as a senior synonym of *C. cajae* in Taxapad. Papp (2005b) lists this as a tentative synonym (which would have priority) of *ofella*.

²⁰⁷ In NMS numerous series reared solitarily from various species of Pterophoridae are probably conspecific but show a great variation in extent of pilosity of the antenna.

²⁰⁸ Nixon's (1974) *praepotens* is apparently correctly called *sericea* (Belokobylskij *et al.*, 2003).

²⁰⁹ Nixon's (1974) *praepotens* is apparently correctly called *sericea* (Belokobylskij *et al.*, 2003).

insidens (Ratzeburg, 1844, *Microgaster*)
subordinaria (Tobias, 1976, *Apanteles*) E added by Shaw (in press)
telengai (Tobias, 1972, *Apanteles*) E
amabilis (Nixon, 1974, *Apanteles*)
tenebrosa (Wesmael, 1837, *Microgaster*) E S added by Shaw (2007)
?arctica (Thomson, 1895, *Apanteles*)²¹⁰
tetrica (Reinhard, 1880, *Apanteles*) E S
opacula (Thomson, 1895, *Microgaster*)
tibialis (Curtis, 1830, *Microgaster*) E S W
atrator (Curtis, 1830, *Microgaster*)
gracilis (Curtis, 1830, *Microgaster*)
congesta (Nees, 1834, *Microgaster*)
intricata (Haliday, 1834, *Microgaster*)
gracilipes (Thomson, 1895, *Microgaster*)
similis (Szépligeti, 1901, *Apanteles*)
atratrix (Schulz, 1906, *Microgaster*)
araneorum (Goureau, 1908, *Apanteles*) nom. nud.
mamestrae (Matsumura, 1908, *Apanteles*)
simulans (Lyle, 1917, *Apanteles*)
claustrata (Gautier & Bonnamour, 1923, *Apanteles*)
vanessae (Reinhard, 1880, *Apanteles*) E
vestalis (Haliday, 1834, *Microgaster*) E W
plutellae (Kurdjumov, 1912, *Apanteles*) Shaw (2003a)
villana (Reinhard, 1880, *Apanteles*) E
fasciatae (Gautier & du Dresnay, 1926 *Apanteles*)
rubroides (Papp, 1971, *Apanteles*) Papp (2009b)
zygaenarum (Marshall, 1885, *Apanteles*) E S W I M

species excluded from the British and Irish list

[**acuminata** (Reinhard, 1880, *Apanteles*)
cultrator (Marshall, 1885, *Apanteles*)²¹¹]
[**ordinaria** (Ratzeburg, 1844, *Microgaster*)²¹²
dendrolimi (Matsumura, 1926, *Apanteles*)
dendrolimusi (Matsumura, 1926, *Apanteles*)]
[**saltator** (Thunberg, 1824, *Ichneumon*) preocc.²¹³]
[**scabricula** (Reinhard, 1880, *Apanteles*)²¹⁴
eguchii (Watanabe, 1935, *Apanteles*)]

DEUTERIXYS Mason, 1981

carbonaria (Wesmael, 1837, *Microgaster*) E S
anomala (Lyle, 1925, *Apanteles*)
plugarui (Tobias, 1975, *Apanteles*) E added by Shaw (in press)
rimulosa (Niezabitowski, 1910, *Apanteles*) E
comes (Wilkinson, 1940, *Apanteles*)

DIOLCOGASTER Ashmead, 1901

PROTOMICROPLITIS misident.²¹⁵

ZADIOLOGASTER Viereck, 1913

abdominalis (Nees, 1834, *Microgaster*) E
alvearia (Fabricius, 1798, *Ichneumon*) E S
aphidum (Panzer, 1804, *Ichneumon*)
alveator (Thunberg, 1824, *Ichneumon*)
areolata (Szépligeti, 1896, *Ichneumon*)
connexa (Nees, 1834, *Microgaster*) E M
consularis (Haliday, 1834, *Microgaster*)
diluta (Ratzeburg, 1852, *Microgaster*)
flavipes (Haliday, 1834, *Microgaster*)

²¹⁰ See note under *astrarches*.

²¹¹ Not a British or Irish species. Marshall's description was based on unprovenanced material reared from a host that, on inspection by M.R. Shaw, is almost certainly not British.

²¹² Although listed as a British species by various authors we can find no evidence that it has occurred here.

²¹³ Appeared in Fitton *et al.* (1978) as Roman (1912) incorrectly synonymised *saltator* under *tenebrosa*.

²¹⁴ No evidence that this is a British or Irish species.

²¹⁵ See Mason (1981).

hinzi (Nixon, 1965, *Protomicroplitis*) E S added by Shaw (in press)
minuta (Reinhard, 1880, *Microgaster*) E S
scotica (Marshall, 1885, *Microgaster*) E S
spretta (Marshall, 1885, *Microgaster*) E S W

DISTATRIX Mason, 1981

formosa (Wesmael, 1837, *Microgaster*) E W M
marshallii (Bignell, 1901, *Apanteles*)

GLYPTAPANTELES Ashmead, 1905

acasta (Nixon, 1973, *Apanteles*) E

aliphera (Nixon, 1973, *Apanteles*) E S

aliphaera misspelling

sublateralis (Tobias, 1976, *Apanteles*)

callidus (Haliday, 1834, *Microgaster*)²¹⁶ E S W

urolus (Papp, 1983, *Apanteles*) van Achterberg (1997)

compressiventris (Muesebeck, 1921, *Apanteles*) S W

liparidis misident.²¹⁷

fausta (Nixon, 1973, *Apanteles*)²¹⁸ E S

fraternus (Reinhard, 1881, *Apanteles*) E

fulvipes (Haliday, 1834, *Microgaster*) E S W I

inclusus (Ratzeburg, 1844, *Microgaster*) E

curvulus (Thomson, 1895, *Microgaster*)

rectinervis (Telenga, 1955, *Apanteles*)

lateralis (Haliday, 1834, *Microgaster*) E S W

luciana (Nixon, 1973, *Apanteles*) S²¹⁹

majalis (Wesmael, 1837, *Microgaster*) E S

callidus misident.²²⁰

menander (Nixon, 1973, *Apanteles*) S

mygdonia (Nixon, 1973, *Apanteles*) E S I

oetonarius (Ratzeburg, 1852, *Microgaster*) E

stauropodis (Bridgman, 1889, *Apanteles*)

lucifugus (Lyle, 1917, *Apanteles*)

pallipes (Reinhard, 1880, *Apanteles*) E S W

pallidipes (Marshall, 1885, *Apanteles*)

longicornis (Provancher, 1886, *Microgaster*)

radiatus (Ashmead, 1898, *Apanteles*)

reinhardi (Wilkinson, 1936, *Apanteles*)

pinicola (Lyle, 1917, *Apanteles*) E S

porthetriae (Muesebeck, 1928, *Apanteles*) E added by Shaw & Skelton (2008)

salepus (Papp, 1983, *Apanteles*) E added by Shaw (in press)

vitripennis (Curtis, 1830, *Microgaster*) E S M

fulcriger (Wesmael, 1837, *Microgaster*)

imavidus (Gautier & Dresnyay, 1927, *Apanteles*)

species excluded from the British and Irish list

[**thompsoni** (Lyle, 1917, *Apanteles*)²²¹]

PROTAPANTELES Ashmead, 1898

anchisiades (Nixon, 1973, *Apanteles*) E S W M

endemus (Nixon, 1965, *Apanteles*) E S

enephes (Nixon, 1965, *Apanteles*) E

hirtariae (Kotenko & Tobias, 1986, *Apanteles*) S

added by Shaw (in press)

immunis (Haliday, 1834, *Microgaster*) E S W I

²¹⁶ Van Achterberg (1997) treated *majalis* as the valid name for the species called *callidus* by Nixon (1973) and Papp (1983).

²¹⁷ Wilkinson (1945) dealt with the identity of the real *liparidis*, which does not occur in Britain or Ireland.

²¹⁸ Papp (1983) synonymised *fausta* under *Apanteles eugeni* Papp, 1972 but later (Papp, 1988) rescinded his action.

Unfortunately Papp (1972) had chosen a non-reared specimen as holotype but a paratype of *eugeni* reared from *Anthophila fabriciana* (Linnaeus) is in NHM and appears to be conspecific with *fausta* (described from this host). It seems probable that Papp's (1983) synonymy was justified but, as this requires further investigation, the name *fausta* is retained for now.

²¹⁹ Described by Nixon (1973) partly from Scottish material but omitted by Fitton *et al.* (1978).

²²⁰ Van Achterberg (1997) treated *majalis* as the valid name for the species called *callidus* by Nixon (1973) and Papp (1983).

²²¹ Listed as a British species by Fitton *et al.* (1978) in error; there is no evidence that it has occurred here.

incertus (Ruthe, 1859, *Microgaster*) E S M
caberae (Marshall, 1885, *Apanteles*)
jugosus (Lyle, 1916, *Apanteles*)
mihalyii (Papp, 1973, *Apanteles*)
parallelus (Lyle, 1917, *Apanteles*) E
lylei (Shenefelt, 1972, *Apanteles*)
popularis (Haliday, 1834, *Microgaster*) E S
triangulator (Wesmael, 1837, *Microgaster*)²²² E

RASIVALVA Mason, 1981
calceata (Haliday, 1834, *Microgaster*) E S
pubescens (Ratzeburg, 1844, *Microgaster*)
circumvecta (Lyle, 1918, *Diolcogaster*) E S
marginata (Nees, 1834, *Microgaster*) E S

Tribe MICROGASTRINI Förster, 1862

HYGROPLITIS Thomson, 1895
pseudorussata Shaw, 1992 E added by Shaw (1992a)
rugulosa (Nees, 1834, *Microgaster*) W I
infumata (Haliday, 1834, *Microgaster*)
opaca (Ruthe, 1858) (*Microgaster*)
russata (Haliday, 1834, *Microgaster*) E S²²³ W
dimidiata (Wesmael, 1837, *Microgaster*)
basalis (Stephens, 1846, *Microgaster*)
aomoriensis (Matsumura, 1910, *Microgaster*)

ICONELLA Mason, 1981
aeola (Nixon, 1965, *Apanteles*) E added by Shaw (in press)

species excluded from the British and Irish list²²⁴
[lacteoides (Nixon, 1965, *Apanteles*)
memorabilis (Alexeev, 1971, *Apanteles*)
merula (Reinhard, 1880, *Apanteles*)
?etiellae (Viereck, 1911, *Apanteles*)]

MICROGASTER Latreille, 1804²²⁵
LIGANIRA Walker, 1860
LISSOGASTER Bengtsson, 1926
acilia Nixon, 1968²²⁶ E
alebion Nixon, 1968 E S Shaw (2004)
areolaris Thomson, 1895 E S
sp. R S added by Shaw (in press)
consors Nixon, 1968 E
crassicornis Ruthe, 1860 E
ductilis Nixon, 1968 E added by Shaw (in press)
fulvicrus Thomson, 1895 E S I M
striatoscutellaris Kiss, 1927
globata (Linnaeus, 1758, *Ichneumon*)²²⁷ E S Papp (1976)
laeviscuta Thomson, 1895
gossypina (Retzius, 1783, *Ichneumon*)

²²² Included in *Protapanteles* by Papp (1988) but Mason (1981) treated it as a species of *Glyptapanteles*. Nixon (1973) was unable to suggest close relatives.

²²³ Specimen from Islay in Hunterian Museum, Glasgow, det. M.R. Shaw.

²²⁴ Both of these species were mistakenly listed by Fitton *et al.* (1978); there is no evidence that they are British or Irish.

²²⁵ The current usage of the name *Microgaster* was restored by Opinion 1510 (ICZN, 1988), after temporarily being applied to the genus here named *Microplitis* (with *Microgaster* as currently understood being referred to *Lissogaster*). This was an unfortunate name change as it coincided with Papp's (1976, 1984) revisions of the genera, as well as several other important papers. Unless noted otherwise, distribution data taken from NMS, Nixon (1968) and Shaw (in press). Papp's (1976) subsequent revision of the genus added many species to Nixon's (1968) revision, and van Achterberg (1989) established the precedence of several Haliday names.

²²⁶ Raised from synonymy under *meridiana* (Papp, 1999c) by Shaw (in press).

²²⁷ It seems that *laeviscuta* has been included as a junior synonym of *hospes* in Fauna Europaea, with *globata* not referred to.

| | |
|---|--------------------------|
| <i>globator</i> (Thunberg, 1824, <i>Ichneumon</i>) | |
| <i>anthomyiarum</i> Bouché, 1834 | |
| <i>amentorum</i> Ratzeburg, 1844 | |
| <i>incurvata</i> Papp, 1976 | Papp (2002) |
| <i>hospes</i> Marshall, 1885 E S W | |
| <i>comptanae</i> Viereck, 1911 | |
| <i>luctuosa</i> Haliday, 1834 E S W | |
| <i>curvicrus</i> Thomson, 1895 | van Achterberg (1997) |
| <i>meridiana</i> Haliday, 1834 E W I M | |
| <i>spinolae</i> Haliday, 1834 preocc. | van Achterberg (1997) |
| <i>alexis</i> Haliday, 1834 nom. nud. | |
| <i>grandis</i> Thomson, 1895 | van Achterberg (1997) |
| <i>contubernalis</i> Marshall, 1898 | |
| <i>messoria</i> Haliday, 1834 ²²⁸ E S W I | |
| <i>tibialis</i> Nees, 1834 preocc. | van Achterberg (1997) |
| <i>vulgaris</i> Ruthe, 1860 | |
| <i>pluto</i> Morley, 1936 | |
| <i>nigricans</i> Nees, 1834 ²²⁹ | |
| <i>nixalebion</i> Shaw, 2004 E W | added by Shaw (2004) |
| <i>novicia</i> Marshall, 1885 E S | |
| <i>swammerdamiae</i> Muesebeck, 1922 | |
| <i>opheltes</i> Nixon, 1968 I | |
| <i>pantographae</i> Muesebeck, 1922 E | |
| <i>parvistriga</i> Thomson, 1895 E S | |
| <i>polita</i> Marshall, 1885 E S I | |
| <i>carinata</i> Bengtsson, 1926 preocc. | |
| <i>bengtssoni</i> Fahringer, 1937 | |
| <i>procera</i> Ruthe, 1860 I | |
| <i>intermedia</i> Ivanov, 1899 | |
| sp. R E S W | added by Shaw (in press) |
| <i>fischeri</i> misident. ²³⁰ | |
| <i>stictica</i> Ruthe, 1858 E S W M | |
| <i>confusa</i> Papp, 1971 | |
| <i>subcompleta</i> Nees, 1834 E S W I M | |
| <i>annulipes</i> Curtis, 1830 | |
| <i>carinata</i> Packard, 1881 | |

species excluded from the British and Irish list

[***auriculata*** (Fabricius, 1804, *Ichneumon*)²³¹]

[***deceptor*** Nixon, 1968²³²]

[***fischeri*** Papp, 1960²³³

[***nobilis*** Reinhard, 1880²³⁴

compressifemur Fahringer, 1937]

[***postica*** Nees, 1834²³⁵

marginella Wesmael, 1837

?*ruficoxis* Ruthe, 1858]

PAROPLITIS Mason, 1981

wesmaeli (Ruthe, 1860, *Microgaster*) E

picipes (Wesmael, 1837, *Microgaster*) preocc.

²²⁸ Some Ruthe names traditionally regarded as synonyms of *tibialis* probably do not belong here.

²²⁹ A species of doubtful status. Curtis (1837) listed *nigricans* as a British species and Papp (1976), who stated that it was known only from the male, therefore listed it as English. Nixon (1968), however, did not deal with the name.

²³⁰ British specimens, determined as *fischeri* by Nixon (1968), represent an undescribed species, being described by Shaw (in press).

²³¹ Listed as doubtfully British by Fitton *et al.* (1978) on the basis of Papp's (1976) listing of '?England'. No evidence that this is really a British or Irish species.

²³² Listed as a British species by Fitton *et al.* (1978) in error, no evidence that this is a British or Irish species.

²³³ See note under sp. R.

²³⁴ Listed as doubtfully British by Fitton *et al.* (1978) on the basis of Papp's (1976) listing of '?England'. No evidence that this is really a British or Irish species.

²³⁵ Recorded as British by Marshall (1885), but probably in error as his diagnosis appears not to have been a *Microgaster* species in the modern sense. Papp's (1976) listing of England probably simply reflects Marshall's record, as does the the listing in Fitton *et al.* (1978), and there is no evidence that this is a British or Irish species.

SATHON Mason, 1981

falcatus (Nees, 1834, *Microgaster*) E S W I
equestris (Haliday, 1834, *Microgaster*)
gladiator (Szépligeti, 1901, *Apanteles*)

Tribe MICROPLITINI Mason, 1981

MICROPLITIS Förster, 1862²³⁶

DAPSILOTOMA Cameron, 1906

aduncus (Ruthe, 1860, *Microgaster*) S
brachycerus (Thomson, 1895, *Microgaster*)

? **decens** Tobias, 1964 S added by Papp (1984)²³⁷

deprimator (Fabricius, 1798, *Ichneumon*) E S
ingratus (Haliday, 1834, *Microgaster*) van Achterberg (1997)
sordipes (Nees, 1834, *Microgaster*)²³⁸
tau (Ratzeburg, 1852, *Microgaster*)
deprimatrix (Schulz, 1906, *Microgaster*)

flavipalpis (Brullé, 1832, *Microgaster*) E
ruricola Lyle, 1918

fordi Nixon, 1970²³⁹ E S

fulvicornis (Wesmael, 1837, *Microgaster*) E W
calcarata misident.
pallidicornis Marshall, 1898

impressus (Wesmael, 1837, *Microgaster*) E added by Shaw (in press)
sispes Nixon, 1970

lugubris (Ruthe, 1860, *Microgaster*) S
borealis Marshall, 1885
coracinus (Thomson, 1895, *Microgaster*)
rutheana Fahringer, 1937

malimbus Papp, 1984 E added by Shaw (in press)
trochanterata misident.²⁴⁰

mandibularis Thomson, 1895 E S

mediator (Haliday, 1834, *Microgaster*) E S W I M
medianus (Ruthe, 1860, *Microgaster*)
halidayi Fahringer, 1937
pseudomedianus Fahringer, 1937

moestus (Ratzeburg, 1852, *Microgaster*)

naenia Nixon, 1970 E

ocellatae (Bouché, 1834, *Microgaster*) E
canaliculatus (Wesmael, 1837, *Microgaster*)

scrophulariae Szépligeti, 1898 E added by Shaw (in press)

sofron Nixon, 1970 E S I

? *stigmaticus* (Ratzeburg, 1844, *Microgaster*)²⁴¹

spectabilis (Haliday, 1834, *Microgaster*) E W I

fossulatus (Bouché, 1834, *Microgaster*)
? *parvulus* (Ruthe, 1860, *Microgaster*)
seuratii Marshall, 1898
testaceipes (Cameron, 1906, *Dapsilotoma*)

spinolae (Nees, 1834, *Microgaster*) E

sapporoensis Ashmead, 1906
radiorimatus Telenga, 1955
? *quadridentatus* (Provancher, 1886, *Microgaster*)

strenuus Reinhard, 1880 E

gracilis (Ruthe, 1860, *Microgaster*) preocc.

tristis (Nees, 1834, *Microgaster*) E W S

²³⁶ Unless noted otherwise, distribution data taken from Nixon (1970). Papp (1984) extensively revised the synonymy (unfortunately treating *Microplitis* as a junior synonym of *Microgaster*), whose conclusions are largely followed here.

²³⁷ It is unclear on what basis this species was listed as British by Papp (1984) (Shaw, in press).

²³⁸ Listed as a separate species in Taxapad but we follow van Achterberg, in Fauna Europaea.

²³⁹ Papp (1984) suggests that *semicircularis* (Ratzeburg, 1844, *Microgaster*) (type destroyed) may be a senior synonym.

²⁴⁰ Nixon's (1970) interpretation of *trochanterata* (not *tuberculifer*, of which *trochanterata* is a junior synonym) is actually referable to *malimbus*.

²⁴¹ Papp (1984) suggests that *stigmaticus* may be a senior synonym.

dolens Marshall, 1885
tuberculatus (Bouché, 1834, *Microgaster*) E S I
fumipennis (Ratzeburg, 1852, *Microgaster*)
tuberculifer (Wesmael, 1837, *Microgaster*) E S
calcaratus (Thomson, 1895, *Microgaster*)
trochanteratus (Thomson, 1895, *Microgaster*)
manevali Gautier & Bonnamour, 1939
viduus (Ruthe, 1860, *Microgaster*) E
xanthopus (Ruthe, 1860, *Microgaster*) W S I
tenuipes (Thomson, 1895, *Microgaster*)

species excluded from the British and Irish list
[eremitus Reinhard, 1880²⁴²]

Subfamily MICROTYPINAE Szépligeti, 1908²⁴³

MICROTYPUS Ratzeburg, 1848²⁴⁴
SIMILEARINUS Glowacki & Karpiński, 1967
wesmaelii Ratzeburg, 1848 E added by Shaw (1992b)
dioryctriae Rohwer, 1920

Subfamily MIRACINAE Viereck, 1918

MIRAX Haliday, 1833²⁴⁵
CENTISTIDEA Rohwer, 1914
rufilabris Haliday, 1833 E S Shaw & Askew (1976); NMS
spartii Haliday, 1835
dryochares Marshall, 1898
nanivora Fischer, 1957

Subfamily OPIINAE Blanchard, 1845²⁴⁶

ADEMON Haliday, 1833
GIARDINAIA de Stefani-Perez, 1902
ANALOSTANIA Viereck, 1916
decrescens (Nees, 1811, *Bracon*) E W I
mutuator (Nees, 1811, *Bracon*)

APODESMIA Förster, 1862
ALLOTYPUS Förster, 1862
THEROBOLUS Förster, 1862
AGNOPIUS Fischer, 1982
aemula (Haliday, 1836, *Opius*) E I
melba (Papp, 1978, *Opius*)
irregularis (Wesmael, 1835, *Opius*) E I
bipustulata (Fischer, 1958, *Opius*)
ocellata (Wesmael, 1835, *Opius*) E
areolaris (Thomson, 1895, *Opius*)
hungarica (Szépligeti, 1896, *Opius*)
bruta (Papp, 1978, *Opius*)

²⁴² No evidence that this species has occurred in Britain or Ireland, probably listed in Shenefelt (1973) and Fitton *et al.* (1978) because Nixon (1970) reported its distribution as north-west European.

²⁴³ Belokobylskij *et al.* (2003) include *Microtypus*, without comment, in the Orgilinae, where it had traditionally been placed prior to recent phylogenetic work. In the molecular phylogeny of Belshaw & Quicke (2002) the genus *Microtypus* is the sister group to Homolobinae, as also found by Sharanowski *et al.* (2011) (albeit with this clade the sister group to Orgilinae). This relationship was originally suggested by van Achterberg (1984b).

²⁴⁴ Nomenclature follows Čapek & van Achterberg (1992).

²⁴⁵ There are also several unrecognised species in Britain.

²⁴⁶ The generic and tribal classification of opiines has been largely chaotic (Wharton, 1988a). In Fauna Europaea, van Achterberg has enacted many taxonomic changes resulting from his work on Western Palaearctic Opiinae (in prep.), which are followed here. Some changes to the generic classification have been published by Wharton (1988a) and van Achterberg (2004a,b, and in Belokobylskij *et al.*, 2003). Wharton (1988a) argued against recognition of tribes within Opiinae, except perhaps Ademonini (for the genus *Ademon*), with all the other genera in Opiini; van Achterberg (in prep.) does not recognise Ademonini. Some distribution data from Fischer (1958, 1967, 1997).

posticatae (Fischer, 1957, *Opius*) E
seebensteinensis (Fischer, 1959, *Opius*)
hilaris (Fischer, 1963, *Opius*)
hostium (Fischer, 1964, *Opius*)
rufipes (Wesmael, 1835, *Opius*) E I
taeniata Förster, 1862
taeniata (Fischer, 1957, *Opius*) preocc.
saeva (Haliday, 1837, *Opius*) E S
saevula (Fischer, 1958, *Opius*) E
similis (Szépligeti, 1898, *Opius*) E S I
xylostei (Marshall, 1898, *Opius*)
similiformis (Fischer, 1957, *Opius*)
basirufa (Fischer, 1958, *Opius*)
nodata (Fischer, 1958, *Opius*)
periclymenii (Fischer, 1964, *Opius*)
altimontana (Fischer, 1969, *Opius*)
differens (Fischer, 1958, *Opius*)
parvipunctum (Fischer, 1958, *Opius*)
selkirkensis (Fischer, 2006, *Opius*) van Achterberg (in prep.)

ATORMUS van Achterberg, 1998
victus (Haliday, 1837, *Opius*)²⁴⁷ E I
tarni (Papp, 1982, *Opius*)

BATHYSTOMUS Förster, 1862
COMPRESSARIA Königsmann, 1959 Wharton (1993)²⁴⁸
xanthopus Förster, 1862 E
pugnatrix (Marshall, 1895, *Mesocrina*)
compressiventris (Fischer, 1964, *Opius*) van Achterberg (in prep.)

BIOPHTHORA Förster, 1862²⁴⁹
bajulus (Haliday, 1837, *Opius*) E I
beieri (Fischer, 1968, *Sternaulopius*) Wharton (2006)

BIOSTERES Förster, 1862
RHABDOSPIRUS Förster, 1862
RHINOPLUS Förster, 1862
STENOSPILUS Förster, 1862
ZETETES Förster, 1862 preocc.
OPIELLUS Ashmead, 1900
CELIESTIELLA Cameron, 1903
nalis (Wesmael, 1835, *Opius*)
colorativentris (Fischer, 1957, *Opius*)
arenarius (Stelfox, 1959, *Opius*) I
bicolor Wesmael, 1835 I
vagator (Förster, 1862, *Stenospilus*)
carbonarius (Nees, 1834, *Bracon*) E I
impressus (Wesmael, 1835, *Opius*)²⁵⁰
procerus (Wesmael, 1835, *Opius*)
haemorrhoeus (Haliday, 1837, *Opius*) E I
castaneiventris (Thomson, 1895, *Opius*)
palaearticus Szépligeti, 1901
magnicornis (Wesmael, 1835, *Opius*) E I
micans (Stelfox, 1957, *Opius*) S I

²⁴⁷ Listed as a synonym of *Opius singularis* in Fitton *et al.* (1998).

²⁴⁸ Although Wharton (1993) noted that the type (and only included) species of *Compressaria* is the same species as the type of *Bathystomus*, he did not formally synonymise these names and the synonymy has not been picked up on by, e.g. Belokobylskij *et al.* (2003) and Taxapad. Wharton (1988a) demonstrated that *Bathystomus* is a valid genus but Belokobylskij *et al.* (2003) treated it as a synonym of *Diachasma*. Van Achterberg (in Belokobylskij *et al.*, 2003, and in prep.) also regards *Bathystomus* as a valid genus. Fitton *et al.* (1978) included *Compressaria pugnatrix* as a species of Rogadinae.

²⁴⁹ Treated as a valid genus following Wharton (2006).

²⁵⁰ Synonymised under *carbonarius* by van Achterberg (1975), *impressus* was removed from synonymy by Fischer (1997), a move which is not accepted by van Achterberg (in prep.). Supporting van Achterberg's synonymy, Godfray (unpublished) has reared specimens resembling both 'species' from the same female wasp.

nitidus (Stelfox, 1949, *Opius*) preocc.
placidus (Haliday, 1837, *Opius*) E I
melanocerus (Wesmael, 1838, *Opius*)
tarsator (Thomson, 1895, *Opius*)
indotatus Viereck, 1905
rusticus (Haliday, 1837, *Opius*) E I
scabriculus (Wesmael, 1835, *Opius*) I
spinaciae (Thomson, 1895, *Opius*) E added by Godfray (1988)
pegomyiae (Gahan, 1917, *Opius*)
hyoscyamiellus (Viereck, 1925, *Opius*)
sylvaticus (Haliday, 1837, *Opius*) E I
clypealis (Thomson, 1895, *Opius*)
nitidus Szépligeti, 1896
wesmaelii (Haliday, 1837, *Opius*) S
carbonarius (Wesmael, 1835, *Opius*)
ultor (Förster, 1862, *Zetetes*)
ultor (Fischer, 1957, *Opius*) preocc.
jonaitisi (Jakimavičius, 1977, *Opius*)

BITOMOIDES van Achterberg, 2004
rugosus (Wesmael, 1838, *Opius*) E²⁵¹

CHILOTRICHIA Förster, 1862
TRICHOPHIUS Thomson, 1895
blanda (Haliday, 1837, *Opius*) E I

DESMIOSTOMA Förster, 1862²⁵²
parvulum (Wesmael, 1835, *Opius*) E
nudiscutum (Fischer, 1964, *Opius*)
ziratus (Papp, 1982, *Opius*)
temporale (Fischer, 1958, *Opius*)

DIACHASMA Förster, 1862
ATOREUTEUS Förster, 1862
LYTACRA Förster, 1862
ALYSOPIUS Tobias, 1976
caffer (Wesmael, 1835, *Opius*)
stygium (Förster, 1862, *Lytacra*)
cephalotes (Wesmael, 1835, *Opius*) E
fulgidum (Haliday, 1837, *Opius*) E I

EURYTENES Förster, 1862
 Subgenus **EURYTENES** Förster, 1862
abnormis (Wesmael, 1835, *Opius*)²⁵³ E I
britannicola Fischer, 2006 E added by Fischer (2006)²⁵⁴

Subgenus **STIGMATOPOEA** Fischer, 1986²⁵⁵ van Achterberg (2004a)
macrocerus (Thomson, 1895, *Opius*) E I
hians (Stelfox, 1949, *Opius*)

Subgenus **XYNOBIUS** Förster, 1862²⁵⁶
ACLISIS Förster, 1862

²⁵¹ Listed as British by Kloet & Hincks (1945) but omitted by Fitton *et al.* (1978). Material in NMS has been identified by van Achterberg.

²⁵² Regarded by Wharton (1983, 1988a) as a junior synonym of *Opius*.

²⁵³ According to Walker & Wharton (2011), *Opius paradoxus* Ratzeburg, 1848, sometimes treated as a valid name (synonymous with *abnormis*) should be regarded as invalid as it was first proposed as a synonym of *abnormis*; Walker & Wharton also provide some locality data.

²⁵⁴ Mis-placed in *Eurytenes* (van Achterberg, pers. comm.).

²⁵⁵ The generic name *Stigmatopoea* has been treated as a synonym of *Xynobius* by van Achterberg (2004a) but the type species, *macrocerus*, has been regarded as a species of *Eurytenes*, a genus which was ignored by van Achterberg (2004a). Both *Xynobius* and *Stigmatopoea* are treated as subgenera of *Eurytenes*, following Wharton (2006).

²⁵⁶ Generic synonymy from van Achterberg (2004a) but treated as a subgenus of *Eurytenes* by Wharton (2006).

HOLCONOTUS Förster, 1862
AULONOTUS Ashmead, 1900
ERISTERNAULAX Viereck, 1914
aciculatus (Thomson, 1895, *Opius*) I
tenuicornis (Thomson, 1895, *Opius*) van Achterberg (in prep.)
aemuloides (Fischer, 1958, *Opius*) E
caelatus (Haliday, 1837, *Opius*) E I
isomera (Förster, 1862, *Aclisis*)
pallipes Förster, 1862
pallidipes Dalla Torre, 1898
comatus (Wesmael, 1835, *Opius*) E I
sulcifer (Papp, 1967, *Dapsilarthra*)
geniculatus (Thomson, 1895, *Opius*) E
albicoxis (Marshall, 1898, *Opius*)
holconotus (Fischer, 1958, *Opius*) E
maculipes Wesmael, 1835 E I
addendus Fischer, 1959
turcmenicus Fischer, 1959
polyzonius (Wesmael, 1835, *Opius*) E
silenis (Fischer, 1967, *Diachasma*) W²⁵⁷
thomsoni (Fischer, 1971, *Opius*) E
annulicornis (Thomson, 1895, *Opius*) preocc.

OPIOSTOMUS Fischer, 1972
OPIOTENES Fischer, 1998
griffithsi (Fischer, 1962, *Opius*) E
leptostigma (Wesmael, 1835, *Opius*) E²⁵⁸
percontator (Fischer, 1964, *Opius*)

OPIUS Wesmael, 1835²⁵⁹
CRYPTONASTES Förster, 1862
HYPOCYNODUS Förster, 1862
HYPOLABIS Förster, 1862
MISOPHTHORA Förster, 1862
DESMATOPHORUS Thomson, 1895
ALLOPHLEBUS Fischer, 1972
NOSOPAEOPUS Fischer, 1972
OPIOTHORAX Fischer, 1972
PENDOPIUS Fischer, 1972
agromyzicola Fischer, 1967 E
ambiguus Wesmael, 1835 E I
celsus Haliday, 1837 van Achterberg (in prep.)
longipes Fischer, 1957
phytomyzae Fischer, 1957
brevipalpis Thomson, 1895 E
mutus Fischer, 1964
caudifer Fischer, 1958²⁶⁰ E
longicornis misident.
compar Marshall, 1894
pulchrithorax Fischer, 1958
crassipes Wesmael, 1835 E
flammeus Fischer, 1959 E
funnebris Wesmael, 1835²⁶¹ E I
latipes misident.
fuscipennis Wesmael, 1835²⁶² E

²⁵⁷ Described from Welsh material (Fischer, 1967) but omitted by Fitton *et al.* (1978).

²⁵⁸ Recorded as a British species by various authors, latterly by Fischer (1967), but omitted by Fitton *et al.* (1978).

²⁵⁹ Restricted by van Achterberg & Salvo (1997) to a group of species with distinctive mandibles.

²⁶⁰ Listed as a synonym of *longicornis* in Taxapad, regarded as a separate, valid species by van Achterberg (in prep.).

Recorded as British by Fischer (1967) as *longicornis* Thomson, 1895, but omitted by Fitton *et al.* (1978).

²⁶¹ Listed as a synonym of *pygmaeator* in Taxapad, regarded as a separate, valid species (= *latipes sensu* Fischer) by van Achterberg (in prep.).

²⁶² Note that Fischer (1960) mistakenly listed this species as *fuscipennis* (Szépligeti, 1914, *Rhinoplus*) (van Achterberg, pers. comm.), a separate species now placed in the genus *Pseudorhinoplus* Fischer, 1972.

gracilis Fischer, 1957 E
csikii Fischer, 1957
minor Fischer, 1957
nigrithorax Fischer, 1958 preocc.
instabilis Wesmael, 1835
levis Wesmael, 1835 E W I
apiculator (Nees, 1834, *Bracon*)
filicornis Thomson, 1895²⁶³
varipes Szépligeti, 1898
lucidus Szépligeti, 1896 E
lugens Haliday, 1837 E I
abscissus Thomson, 1895
obscurus Szépligeti, 1901
adveniens Fischer, 1960
nitidulator (Nees, 1834, *Bracon*) E
vittatus Ruschka, 1915
ochrogaster Wesmael, 1835 I
nigriceps Szépligeti, 1898
neopusillus Fischer, 1957
orbiculator (Nees, 1811, *Bracon*) I
breviscapus Thomson, 1895
pallipes Wesmael, 1835 E W I
exilis Haliday, 1837 van Achterberg (1997)
pallidipes (Marshall, 1872, *Hypolabis*)
liopleuris Thomson, 1895
piceus Thomson, 1895
adaequator (Fischer, 1964, *Hypolabis*) nom. nud.
lividipes (Fischer, 1964, *Hypolabis*) nom. nud.
subsulcatus (Fischer, 1964, *Hypolabis*) nom. nud.
extusus Papp, 1981
cisromensis Papp, 1982
pendulus Haliday, 1837 E I
latipes Fischer, 1958
phytobiae Fischer, 1959 E added by Godfray (1986)
propodealis Fischer, 1958 E
pygmaeator (Nees, 1811, *Bracon*) E I
ruminans Fischer, 1957
dilatatus Fischer, 1960
meracus Fischer, 1960
pygmaeus Fischer, 1962 E
singularis Wesmael, 1835 E I
clarus Haliday, 1836 Fischer (1997)²⁶⁴
spretus Haliday, 1836 Fischer (1997)
vindex Haliday, 1837 van Achterberg (in prep.)
arenosus Szépligeti, 1898
staryi Fischer, 1958 E
sitagrus Papp, 1982
tenellae Fischer, 1969 I

PHAEDROTOMA Förster, 1862²⁶⁵
EUTRICHOPSIS Förster, 1862
NOSOPOEA Förster, 1862
TOLBIA Cameron, 1907
COELOREUTEUS Roman, 1910
HEXAULAX Cameron, 1910
NEODIOSPILUS Szépligeti, 1911
RHOGADOPSIS Brèthes, 1913
NEOPIUS Gahan, 1917
GASTROSEMA Fischer, 1972

²⁶³ Recorded as new to Britain by Godfray (1986) but synonymised with *levis* by van Achterberg (in Belokobylskij *et al.*, 2003).

²⁶⁴ Both *clarus* and *spretus* were synonymised by van Achterberg (1997) but Fischer's publication pre-dated this.

²⁶⁵ *Phaedorotoma* was raised from synonymy with *Opius* by van Achterberg & Salvo (1997) to accommodate many species previously placed in *Opius*. Generic synonymy mostly follows the advice of van Achterberg (pers. comm.).

LISSOSEMA Fischer, 1972
 OPIOGNATHUS Fischer, 1972
 KAINOPAEOPUS Fischer, 1987
 ILICOPIUS Fischer, 1992
aethiops (Haliday, 1837, *Opius*) E I
caesa (Haliday, 1837, *Opius*) E I
 punctiventris (Thomson, 1895, *Opius*)
 subtilis (Szépligeti, 1898, *Opius*)
 hydrelliae (Rimsky-Korsakov, 1925, *Opius*)
 hydrelliae (Muesebeck, 1933, *Opius*) preocc.
 aquatica (Muesebeck, 1967, *Opius*)
 hydrelliana (Fischer, 1971, *Opius*)
cingulata (Wesmael, 1835, *Opius*)
 dentifer (Thomson, 1895, *Opius*)
 stramineipes (Thomson, 1895, *Opius*)
curvata (Fischer, 1957, *Opius*) S added by Godfray (1986)
decorata (Stelfox, 1949, *Opius*) I
depeculator (Förster, 1862, *Opius*) E I
 semiaciculata (Stelfox, 1949, *Opius*)
diversa (Szépligeti, 1898, *Opius*) E²⁶⁶
exigua (Wesmael, 1835, *Opius*) E I
fallax (Szépligeti, 1896, *Opius*) E²⁶⁷
fasciata (Thomson, 1895, *Opius*) E
 comparanda (Fischer, 1958, *Opius*)
heringi (Fischer, 1962, *Opius*) I
instabiloides (Fischer, 1959, *Opius*) I
minusculae (Fischer, 1967, *Opius*) E
monticola (Szépligeti, 1898, *Opius*) E added by Fischer (1997)
munda (Förster, 1862, *Opius*) E
 munda (Fischer, 1957, *Opius*) preocc.
novojariae Fischer, 2006 E added by Fischer (2006)
 stigmatocauda Fischer, 2006 van Achterberg (in prep.)
pacta (Haliday, 1837, *Opius*) E I
paraphytomyzae (Fischer, 2005, *Opius*) E added by Fischer (2005)
pulchriceps (Szépligeti, 1898, *Opius*) E I
 ilicis (Nixon, 1939, *Opius*)
 pulcherrimus (Fischer, 1958, *Opius*)
 pulchriventris (Fischer, 1958, *Opius*) van Achterberg (in prep.)
 vexator (Fischer, 1964, *Opius*)
 affectus (Papp, 1981, *Opius*)
recondes van Achterberg, 2004²⁶⁸ added by van Achterberg in Fauna Europaea
 reconditor misident.
reconditor (Wesmael, 1835, *Opius*) E I
 docilis (Haliday, 1837, *Opius*)²⁶⁹
 parvungula Thomson, 1895
reptantis (Fischer, 1957, *Opius*) E²⁷⁰
rex (Fischer, 1958, *Opius*) E
rudiformis (Fischer, 1958, *Opius*) E
 uligiloci (Fischer, 2006, *Opius*) van Achterberg (in prep.)
rudis (Wesmael, 1835, *Opius*) E I
 carinaticeps (Gahan, 1917, *Neopius*)
tacita (Haliday, 1837, *Opius*) E²⁷¹
variegata (Szepligeti, 1896, *Opius*) E I

species excluded from the British and Irish list
 [**viennensis** (Fischer, 1959, *Opius*)²⁷²]

²⁶⁶ Recorded as British by Fischer (1960) but omitted by Fitton *et al.* (1978).

²⁶⁷ Listed as a synonym of *Opius instabilis* in Taxapad but as a valid species, in *Phaedrotoma*, by van Achterberg (in prep.).

²⁶⁸ Described by van Achterberg as the species named *Opius* (= *Phaedrotoma*) *reconditor* by authors (e.g. Fischer, 1972; Fischer & Koponen, 1999) is not conspecific with the type. Both species apparently occur in Britain.

²⁶⁹ Synonymised with *reconditor* by van Achterberg (1997) but listed as a separate species in Taxapad.

²⁷⁰ Listed as a synonym of *Opius ambiguus* in Taxapad but as a valid species, in *Phaedrotoma*, by van Achterberg (in prep.).

²⁷¹ Omitted from Fitton *et al.* (1978).

²⁷² Listed by Fitton *et al.* (1978) but we cannot trace any published records or specimens.

UTETES Förster, 1862
BRACANASTREPHA Brèthes, 1924
FREKIUS Fischer, 1971 Wharton (2006)
caudatus (Wesmael, 1835, *Opius*) E²⁷³
exsertus (Thomson, 1895, *Opius*)
coracinus (Thomson, 1895, *Opius*) E NHM, det. Fischer, added in Fauna Europaea²⁷⁴
fulvicollis (Thomson, 1895, *Opius*) E added by Godfray (1986)
cupidus (Gahan, 1919, *Opius*)
rotundiventris (Thomson, 1895, *Opius*) E
ruficeps (Wesmael, 1835, *Opius*) E
testaceus (Wesmael, 1838, *Opius*) E
truncatus (Wesmael, 1838, *Opius*) E
zelotes (Marshall, 1891, *Opius*) E
insertus (Fischer, 1971, *Opius*)
incertus misspelling

species excluded from the British and Irish list
[**christenseni** (Papp, 1982, *Opius*)²⁷⁵]

Subfamily ORGILINAE Ashmead, 1900

ORGILUS Haliday, 1833²⁷⁶
ISCHIUS Wesmael, 1837
MACROPALPUS Ratzeburg, 1844
ORESIMUS Ashmead, 1900
ORGILOMORPHA Ashmead, 1900
ISCHIOLUS Hellén, 1958
achterbergi Taeger, 1989 E added by Taeger (1989)
downari Tobias, 1986 E NMS, det. Taeger, added here
ukrainicus Tobias, 1986
interjectus Taeger, 1989 E added by Taeger (1989)
ischnus Marshall, 1898 E W
subtilirugosus Papp, 1971
leptocephalus Hartig, 1838 I
obscurator misident.²⁷⁷
rugulosus Fahringer, 1937
hyperboreus Hellén, 1958
minor Taeger, 1989 E NMS, det. Taeger, added here
parvipennis Thomson, 1895 E S
micropterus Morley, 1907
macroptera (Rudow, 1917, *Aptesis*)
decoratus Hellén, 1946
curtipennis Fischer, 1958
discolor Hellén, 1958
pimpinellae Niezabitowski, 1910 E S I added by Taeger (1989)²⁷⁸
laevigator misident.
punctulator (Nees, 1811, *Microdus*) E added by Taeger (1989)
rufiventris Fahringer, 1937
rugosus (Nees, 1834, *Microgaster*) E NMS, det. Taeger, added here
tobiasi Taeger, 1989 W I added by Taeger (1989)

Subfamily PAMBOLINAE Marshall, 1885

²⁷³ Listed as English by Fischer & Koponen (1999), presumably following Fischer (1958), but not listed in Fitton *et al.* (1978).

²⁷⁴ There may be a literature citation for its occurrence in Britain (van Achterberg, pers. comm.) but we have been unable to trace it.

²⁷⁵ Listed in Fauna Europaea as occurring in Britain, but presumably mistakenly. No relevant literature or specimen records can be located. Known only from Georgia, Greece and Ukraine (data from Taxapad).

²⁷⁶ Taxonomic and much distribution data from Taeger (1989).

²⁷⁷ Although Taeger (1989) clarified the identity of *obscurator* auct. as *leptocephalus*, this species was recorded as *obscurator* by O'Connor *et al.* (1999).

²⁷⁸ Apparently recorded as Irish under the name *Microdus laevigator* Nees, 1812 (O'Connor *et al.*, 1999), which is listed as a species inquirendae by Taeger (1989).

Tribe CHREMYLINI Hellén, 1957

CHREMYLUS Haliday, 1833

PENECERUS Wesmael, 1838

PARAMESOCRINA Nagamori, 1925

elaphus Haliday, 1833 E I

rubiginosus (Nees, 1834, *Hormius*)

transversus (Say, 1836, *Bracon*)

nigriceps Ashmead, 1893

terminalis Ashmead, 1893

japonicus Ashmead, 1896

tineavorus (Nagamori, 1925, *Paramesocrina*)

Tribe PAMBOLINI Marshall, 1885

DIMERIS Ruthe, 1854

PARAPTESIS Magretti, 1884

mira Ruthe, 1854 E

melanocephala (Marshall, 1870, *Pambolus*)

flavipes (Magretti, 1884, *Paraptesis*)

aptera Marshall, 1885

inermis Fitch, 1885

PAMBOLUS Haliday, 1836

Subgenus **PHAENODUS** Förster, 1862

pallipes (Förster, 1862, *Phaenodus*) E S added by Belokobylskij (1986)

flavipes (Förster, 1862, *Araphis*)

pallidipes (Marshall, 1897, *Phaenodus*)

chalveri (Docavo, 1960, *Phaenodus*)

species excluded from the British and Irish list

[Subgenus **PAMBOLUS** Haliday, 1836

ARAPHIS Ruthe, 1854

ARRHAPHIS misspelling

ARHAPHIS misspelling

FOLCHINIA Kieffer, 1906

PARAMBOLUS Dahl, 1912

biglumis (Haliday, 1836, *Rogas*)²⁷⁹

rosenhaueri (Ratzeburg, 1852, *Pezomachus*)

dubius (Fitch, 1885, *Araphis*)

imminens (Fitch, 1885, *Araphis*)]

Subfamily RHYSIPOLINAE Belokobylskij, 1984

RHYSIPOLIS Förster, 1862²⁸⁰

decorator (Haliday, 1836, *Rogas*) E S Shaw & Askew (1976)

ruficeps (Wesmael, 1838, *Exothecus*)

ruficornis (Szépligeti, 1896, *Xenarcha*)

hariolator (Haliday, 1836, *Rogas*) E S Shaw & Askew (1976)

barbatus (Wesmael, 1838, *Exothecus*)

meditator (Haliday, 1836, *Rogas*) E S

variabilis (Szépligeti, 1896, *Xenarcha*)²⁸¹ E NMS, det. Shaw & van Achterberg, added here

varicoxa (Thomson, 1892, *Exothecus*)²⁸² E NMS, det. Shaw & van Achterberg, added here

²⁷⁹ Included as British in Fauna Europaea and Taxapad (but not by Fitton *et al.*, 1978), this seems to be on the basis of Fitch's descriptions of the synonymous names *dubius* and *imminens* in Marshall's (1885) monograph of British Braconidae. The types of Fitch's species are from the Ruthe collection of German material. We have seen no British or Irish specimens of *biglumis*.

²⁸⁰ Most synonymy has been omitted; published taxonomy has been confused and there are several more species present than have been recorded in the literature, with the application of names not yet settled.

²⁸¹ Treated as a synonym of *meditator* by Belokobylskij & Tobias (1986) and Belokobylskij *et al.* (2003) but here treated as a valid species.

²⁸² Treated as a synonym of *meditator* by Belokobylskij & Tobias (1986) and Belokobylskij *et al.* (2003) but here treated as a valid species.

Subfamily RHYSSALINAE Förster, 1862
HISTEROMERINAE Fahringer, 1930

Tribe ACRISIDINI Hellén, 1957

ACRISIS Förster, 1862
EUCHASMUS Marshall, 1888
EPISIGALPHUS Ashmead, 1900
exiguus (Marshall, 1888, *Euchasmus*) E

PROACRISIS Tobias, 1983²⁸³
acutus Tobias, 1983 E NMS, det. Shaw & van Achterberg, added here
rarus Tobias, 1983 E NMS, det. Shaw & van Achterberg, added on Fauna Europaea

Tribe RHYSSALINI Förster, 1862

DOLOPSIDEA Hincks, 1944
DOLOPS Marshall, 1889 preocc.
EXONTSIRA Belokobylskij, 1982
indagator (Haliday, 1836, *Rogas*) E S I Shaw (1993)
tuberculata (Wesmael, 1838, *Exothecus*)
aculeator (Marshall, 1889, *Dolops*)
hastifer (Marshall, 1889, *Dolops*)
caucasica (Tobias, 1976, *Doryctodes*)
rhodopea (Zaykov, 1980, *Rhyssalus*)

ONCOPHANES Förster, 1862
EPIRHYSSALUS Ashmead, 1900
minutus (Wesmael, 1838, *Exothecus*) E W S
lanceolator (Nees, 1834, *Bracon*) preocc.
laevigatus (Ratzeburg, 1852, *Bracon*)²⁸⁴

PSEUDOBATHYSTOMUS Belokobylskij, 1986
funestus (Haliday, 1836, *Rogas*)²⁸⁵ E S
schmiedeknechti (Fahringer, 1930, *Bathystomus*)
tobiasi (Zaykov, 1980, *Oncophanes*) E S NMS, det. Shaw & van Achterberg, added on Fauna Europaea
vernalis Belokobylskij, 1994 E S NMS, det. Shaw & van Achterberg, added on Fauna Europaea

RHYSSALUS Haliday, 1833
EURHOPTROCENTRUS Tobias, 1977
clavator Haliday, 1833 E S I M
longicaudis (Tobias & Belokobylskij, 1991, *Eurhoptrocentrus*)
NMS, det. Shaw & van Achterberg, added on Fauna Europaea

Unplaced within RHYSSALINAE²⁸⁶

HISTEROMERUS Wesmael, 1838
MITHOTYNIA Hedqvist, 1976
mystacinus Wesmael, 1838 E W I Shaw (1995); Horniman
apterus (Hedqvist, 1976, *Mithotynia*)

Subfamily ROGADINAE Förster, 1862

Tribe CLINOCENTRINI van Achterberg, 1991

CLINOCENTRUS Haliday, 1833²⁸⁷

²⁸³ Treated as a synonym of *Acrisis* in Fauna Europaea, as a separate genus by Belokobylskij *et al.* (2003).

²⁸⁴ Traditionally treated as a species separate from *minutus* (e.g. Fitton *et al.*, 1978; Fauna Europaea) but synonymised by Belokobylskij (1998); it seems likely that there are two species involved.

²⁸⁵ Listed as a species of *Rhysipolis* in Fitton *et al.* (1978).

²⁸⁶ Zaldivar-Riverón *et al.* (2006) and Sharanowski *et al.* (2011) both found, on the basis of molecular phylogenetic results, that the morphologically and biologically aberrant genus *Histeromerus* belongs in Rhyssalinae; however, there is as yet no indication as to how *Histeromerus* can be accommodated within the existing tribal classification of Rhyssalinae.

CAMPTOCENTRUS Kriechbaumer, 1894
 MICRORHOGAS Cameron, 1910
 NEORHYSSALUS Baker, 1917
brevicalcar (Thomson, 1891, *Exothecus*) E S
cunctator (Haliday, 1836, *Rogas*) E S W I
analys (Wesmael, 1838, *Exothecus*)
gracilipes (Thomson, 1892, *Exothecus*)
excubitor (Haliday, 1836, *Rogas*) E S W I
marginellus (Wesmael, 1838, *Exothecus*)
exsertor (Nees, 1811, *Bracon*) E S
orbitator (Nees, 1834, *Bracon*)
striolatus (Thomson, 1891, *Exothecus*)
tarsalis Ashmead, 1894
hungaricus Szépligeti, 1906 E S NMS, NHM, det. Shaw, added here
umbratilis Haliday, 1833 E S I
petiolaris (Thomson, 1891, *Exothecus*)
polonicus Fahringer, 1931
vestigator (Haliday, 1836, *Rogas*) E S I M
stigmaticus Marshall, 1897
jaroshevskyi Telenga, 1941
obsoletus (Hellén, 1957, *Oncophanes*)

species excluded from the British and Irish list
 [**tenuicornis** (Thomson, 1891, *Exothecus*)²⁸⁸]

Tribe ROGADINI Förster, 1862
 ALEIODINI Muesebeck, 1928
 PELECYSTOMINI Viereck, 1918

ALEIODES Wesmael, 1838²⁸⁹
ROGAS misident.
RHOGAS misident.
PETALODES Wesmael, 1838
NEORHOGAS Szépligeti, 1906
CHELONORHOGAS Enderlein, 1912
albitibia (Herrich-Schäffer, 1838, *Rogas*) E S W I
heterogaster Wesmael, 1838
alternator (Nees, 1834, *Rogas*) E S W I
geniculator misident.
balteatus (Curtis, 1834, *Rogas*)
apicalis (Brullé, 1832, *Bracon*) E to be added by van Achterberg & Shaw (in prep.)²⁹⁰
ductor misident., in part
reticulator (Nees, 1834, *Rogas*)²⁹¹
apiculatus (Fahringer, 1932, *Rhogas*) E to be added by van Achterberg & Shaw (in prep.)
assimilis (Nees, 1812, *Bracon*) E S I added by Schwarz & Shaw (2000)
bicolor misident., in part
zygaenae (Nees, 1834, *Rogas*)
aterrimus (Ratzeburg, 1852, *Bracon*) E
grandis Giraud, 1857
bicolor (Spinola, 1808, *Bracon*) E S W I
sp. near borealis (Thomson, 1892, *Rogas*) E S W I M to be added by van Achterberg & Shaw (in prep.)
borealis misident.²⁹²
circumscriptus misident., in part

²⁸⁷ Nomenclature and distribution data from Belokobylskij (1995) and NMS.

²⁸⁸ A species of uncertain status (Belokobylskij, pers. comm. to M. Shaw), listed as a synonym of *excubitor* in Taxapad, following Szépligeti (1906).

²⁸⁹ *Aleiodes* species are further subdivided in Taxapad into the subgenera *Aleiodes*, *Chelonorhogas*, *Neorhogas* and *Heterogamus* (for those occurring in Britain); the latter is considered here to be a distinct genus (see note under *Heterogamus*).

²⁹⁰ Just one British specimen of this Mediterranean species, considered to be an erratic.

²⁹¹ Anticipates synonymy to be published by van Achterberg & Shaw (in prep.).

²⁹² This species, whose name is not yet certainly established, is very common in the British Isles and M.R. Shaw det. labels (as *borealis*) have been left in several British collections (up to 2007). The true *A. borealis* has not been found in the British Isles.

nigriceps misident., in part
cantherius (Lyle, 1919, *Rhogas*) E
circumscriptus (Nees, 1834, *Rogas*)²⁹³ E S W I
compressor (Herrich-Schäffer, 1838, *Rogas*) E S W
unicolor (Wesmael, 1838, *Petalodes*) preocc.
coxalis (Spinola, 1808, *Rogas*) E S M
ater (Curtis, 1834, *Rogas*)²⁹⁴
tristis Wesmael, 1838
crassipes (Thomson, 1892, *Rogas*) W to be added by van Achterberg & Shaw (in prep.)
cruentus (Nees, 1834, *Rogas*) E
dissector (Nees, 1834, *Rogas*) E S
aestivalis (Vollenhoven, 1858, *Phylax*)
fortipes (Reinhard, 1863, *Rogas*) E to be added by van Achterberg & Shaw (in prep.)
freyi (Hellén, 1927, *Rhogas*)
gastritor (Thunberg, 1824, *Ichneumon*)²⁹⁵
circumscriptus misident., in part
testaceus misident., in part²⁹⁶
grassator (Thunberg, 1824, *Ichneumon*) E S
carbonarius Giraud, 1857²⁹⁷
flavipalpis (Thomson, 1892, *Rogas*)
hirtus (Thomson, 1892, *Rogas*)²⁹⁸ E S to be added by van Achterberg & Shaw (in prep.)
modestus (Reinhard, 1863, *Rogas*) E S W
piceus (Fahringer, 1932, *Rhogas*)
nigricornis Wesmael, 1838 E S W I
nobilis (Haliday, 1834, *Rogas*) E S I²⁹⁹
ductor misident., in part
medianus (Thomson, 1892, *Rogas*) van Achterberg (1997)
pallidator (Thunberg, 1824, *Ichneumon*) E Shaw (1977, 1981)
ochraceus (Curtis, 1834, *Rogas*)
unicolor Wesmael, 1838
?pellucens (Telenga, 1941, *Rhogas*)
pallidicornis (Herrich-Schäffer, 1838, *Rogas*) S³⁰⁰
to be added by van Achterberg & Shaw (in prep.)
ductor misident., in part
pallidistigmus (Telenga, 1941, *Rhogas*) W I
heterostigma (Stelfox, 1953, *Rogas*)³⁰¹
pictus (Herrich-Schäffer, 1838, *Rogas*) E S W I
to be added by van Achterberg & Shaw (in prep.)
borealis misident., in part
circumscriptus misident., in part
nigriceps Wesmael, 1838
praetor (Reinhard, 1863, *Rogas*) E
luteus (Szépligeti, 1906, *Neorhogas*)
pulchripes Wesmael, 1838 E I M Shaw (1979b)
punctipes (Thomson, 1892, *Rogas*) S W I
ruficornis (Herrich-Schäffer, 1838, *Rogas*) E I
dimidiatus misident.
gasterator misident.
rugulosus (Nees, 1811, *Bracon*) E S W I
pictus (Kokujev, 1898, *Rhogas*) preocc.
seriatus (Herrich-Schäffer, 1838, *Rogas*) E I
vittiger Wesmael, 1838

²⁹³ *Sensu* neotype (to be published by van Achterberg & Shaw, in prep.).

²⁹⁴ Anticipates synonymy to be published by van Achterberg & Shaw (in prep.).

²⁹⁵ Distribution data are not given as this name covers an aggregate of at least four species in Britain (van Achterberg & Shaw, in prep.). Further, it is not clear to which the name *gastritor* should be applied.

²⁹⁶ *Bracon testaceus* Spinola, 1808 is actually *Rogas luteus*, and ‘*Aleiodes testaceus* (Spinola)’ is not a valid taxon, although it has been applied to several small, orangeish *Aleiodes*, especially in the *gastritor* aggregate.

²⁹⁷ Anticipates synonymy to be published by van Achterberg & Shaw (in prep.).

²⁹⁸ Treated as a synonym of *pallidicornis* by Belokobylskij *et al.* (2003), following Papp (1985).

²⁹⁹ Brought out of synonymy with *ductor* by van Achterberg (1997).

³⁰⁰ Specimen in NHM (seen by MRS).

³⁰¹ Anticipates synonymy to be published by van Achterberg & Shaw (in prep.).

kuslitzkyi (Tobias, 1976, *Rogas*)
signatus (Nees, 1812, *Bracon*) E W
geniculator (Nees, 1834, *Rogas*)
annulipes (Herrich-Schäffer, 1838, *Rogas*)
essenii Hellén, 1927
similis (Curtis, 1834, *Rogas*) E S I
circumscribed misident., in part
testaceus misident., in part
spathuliformis (Curtis, 1834, *Rogas*)
subucola (Curtis, 1834, *Rogas*)
armatus Wesmael, 1838³⁰²
testaceus (Telenga, 1941, *Heterogamus*) E W
ungularis (Thomson, 1892, *Rogas*) E W I³⁰³ to be added by van Achterberg & Shaw (in prep.)
unipunctator (Thunberg, 1824, *Ichneumon*) E S W I³⁰⁴ to be added by van Achterberg & Shaw (in prep.)
ductor (Thunberg, 1824, *Ichneumon*)³⁰⁴
irregularis Wesmael, 1838

species excluded from the British and Irish list
[**arcticus** (Thomson, 1892, *Rogas*)³⁰⁵]

HETEROGAMUS Wesmael, 1838³⁰⁶
dispar (Haliday, 1833, *Rogas*) E S I
dispar (Curtis, 1834, *Rogas*) preocc.
crypticornis (Wesmael, 1838, *Aleiodes*)
farmakena Maláč, 1941 E added by Shaw (2000)³⁰⁷
excavatus misident.

ROGAS Nees, 1818
PELECYSTOMA Wesmael, 1838
RHOGAS Agassiz, 1846
luteus Nees, 1834
testaceus (Fabricius, 1798, *Ichneumon*) preocc.
testaceator (Thunberg, 1824, *Ichneumon*)

species excluded from the British and Irish list
[**TRIRAPHIS** Ruthe, 1855
tricolor (Wesmael, 1838, *Pelecystoma*)³⁰⁸
solitarius (Watanabe, 1970, *Pelecystoma*) Papp (1995b)]

Subfamily SIGALPHINAE Haliday, 1833

Tribe ACAMPSINI van Achterberg & Austin, 1992

ACAMPSIS Wesmael, 1835
alternipes (Nees, 1816, *Sigalphus*) E

species excluded from the British and Irish list
[Tribe SIGALPHINI Haliday, 1833]

³⁰² The name *armatus* has been misapplied to a range of undescribed, medium-sized, orange species, at least three of which occur in Britain and Ireland and will be described by van Achterberg & Shaw (in prep.).

³⁰³ English and Welsh records from specimens seen by MRS in, respectively, the Hope Department, Oxford, and Doncaster Museum.

³⁰⁴ Anticipates synonymy to be published by van Achterberg & Shaw (in prep.).

³⁰⁵ MRS has seen the specimen that this record is based on and it is not *arcticus*.

³⁰⁶ Usually treated as a subgenus of *Aleiodes* (as in Taxapad) but Zaldivar-Riverón *et al.* (2004, 2008) have shown that, on the basis of venom apparatus characters and molecular sequence data, respectively, *Heterogamus* species form a clade distinct from *Aleiodes* species. Murray (1939) and Shaw (2000) published some distribution records.

³⁰⁷ Specimens identified as *H. excavatus* in the Western Palaearctic are misidentifications of *farmakena*; Irish records (O'Connor *et al.*, 1999) are erroneous (Shaw, 2000).

³⁰⁸ Listed by Fitton *et al.* (1978), probably on the basis of Morley & Rait-Smith's (1933) host-parasitoid catalogue, but this publication included non-British rearings from Lepidoptera that occur in Britain and there is no evidence that *tricolor*, a parasitoid of *Apoda limacodes* (Hufnagel) (Lepidoptera: Limacodidae), has ever been found in Britain or Ireland.

SIGALPHUS Latreille, 1802
 SPHAEROPYX Illiger, 1807
 RHITIGASTER Wesmael, 1835
 RHYTIDOGASTER Agassiz, 1846
irrorator (Fabricius, 1775, *Ichneumon*)³⁰⁹
 niger (Retzius, 1783, *Ichneumon*)
 globulifer (Geoffroy, 1785, *Ichneumon*)
 irroratrix (Schulz, 1906, *Sphaeropyx*)

³⁰⁹ Shaw & Huddleston (1991) were unable to trace any British specimens.

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