

Checklist of British and Irish Hymenoptera - Ceraphronoidea

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Introduction

This checklist comprises parts of the larger checklist of the Hymenoptera of the British Isles; the terms of reference and methodology are explained in Broad (2014). Country level distribution records, as reported here, are mainly taken from the collections of the Natural History Museum, London (NHM), with additional sources cited. The Ceraphronoidea comprises two extant families, the Ceraphronidae and Megaspilidae, represented by 28 and 64 valid species in the British Isles. Representatives of the British families and subfamilies of Ceraphronoidea are shown in Fig. 1a, c, d. There has been very little recent work on the British and Irish Ceraphronoidea and it is generally a rather neglected group of parasitoids. The genus *Dendrocerus* is an exception: several species are frequently reared as hyperparasitoids of aphids or from other aphid-associated insects and their taxonomy has been revised (Fergusson 1980). Much remains to be discovered about the biology and taxonomy of ceraphronoids. Whilst at least some megaspilids are known to be ectoparasitoid idiobionts (Haviland 1920), including *Dendrocerus*, the Ceraphronidae contains ecto- and endoparasitoids; within the same genus (*Aphanogmus*) some species seem to be endoparasitoids (e.g. Parnell 1963) and others ectoparasitoids (Luhman et al. 1999, Evans et al. 2005), with idiobiosis and koinobiosis both reported in the literature. Whilst hosts of both ceraphronids and megaspilids seem to be centred on Diptera there are many exceptions and the range of hosts of the superfamily spans several orders. Nomenclature here follows Johnson and Musetti (2004) a rather full synonymy is given as there is only a very small body of literature dealing with ceraphronoids in a British context, so most names are unfamiliar to most entomologists.

Superfamily Ceraphronoidea

Family Ceraphronidae Haliday, 1833

Genus *Aphanogmus* Thomson, 1858

Notes: Information on a few species, including some distribution data, is given by Parr (1960) and Parnell (1963).

***Aphanogmus abdominalis* (Thomson, 1858)**

Nomenclature:

Calliceras abdominalis Thomson, 1858
pallidiventris (Ashmead, 1893, *Ceraphron*)
cameroni (Kieffer, 1907, *Ceraphron*)
microneurus (Kieffer, 1907, *Ceraphron*) preocc.
violae (Novitzky, 1954, *Calliceras*)

Distribution: England

Notes: See Buhl (2009).

***Aphanogmus bicolor* Ashmead, 1893**

Nomenclature:

aviger (Kieffer, 1907, *Ceraphron*)
reitteri (Kieffer, 1907, *Ceraphron*)
humicola (Novitzky, 1954, *Calliceras*)

***Aphanogmus compressus* (Ratzeburg, 1852)**

Nomenclature:

Hadroceras compressa Ratzeburg, 1852
nigroformicatus Pschorn-Walcher, 1956
annulicornis Jansson, 1957
venustus Parr, 1960 synonymy by Dessart (1991)

Distribution: England, Ireland

***Aphanogmus elegantulus* Förster, 1861**

Distribution: Ireland

Notes: Added by Buhl and O'Connor (2012) .

***Aphanogmus fasciipennis* Thomson, 1858**

Nomenclature:

fusciipennis misspelling

Distribution: England

***Aphanogmus fumipennis* Thomson, 1858**

Nomenclature:

hyalinipennis Thomson, 1858

laevis Förster, 1861

grenadensis Ashmead, 1896

formicarius Kieffer, 1905

?*clavatus* Kieffer, 1907

armatus (Kieffer, 1907, *Ceraphron*) preocc.

formicarum (Kieffer, 1907, *Ceraphron*)

frenalis (Kieffer, 1907, *Ceraphron*)

oriphilus (Kieffer, 1913, *Ceraphron*)

fuliginosi (Box, 1921, *Ceraphron*)

fasciatus (Fouts, 1924, *Calliceras*)

borealis (Whittaker, 1930, *Calliceras*)

bemisiae (Ghesquière, 1935, *Allomicrops*)

roberti (Dessart, 1979, *Ceraphron*)

Distribution: England, Ireland

***Aphanogmus furcatus* Kieffer, 1907**

***Aphanogmus microneurus* Kieffer, 1907**

Nomenclature:

obsoletus Whittaker, 1930

cylindricornis Parr, 1960 synonymy by Dessart (1965)

Distribution: England

***Aphanogmus nanus* (Nees, 1834)**

Nomenclature:

nigriceps (Thomson, 1858, *Calliceras*)

pallidus (Thomson, 1858, *Calliceras*)

nigriclavus (Förster, 1861, *Ceraphron*)

Distribution: Ireland

Notes: Recorded, as new to Ireland, as *Ceraphron nigriceps* (Thomson) by O'Connor (2007).

***Aphanogmus myrmecobius* Kieffer, 1914**

***Aphanogmus sageri* Johnson & Musetti, 2004**

Nomenclature:

reticulatus Parr, 1960 preocc.

Distribution: England

***Aphanogmus steinitzi* Priesner, 1936**

Distribution: England

***Aphanogmus tenuicornis* Thomson, 1858**

Nomenclature:

ultimus (Dalla Torre, 1890, *Ceraphron*)

Distribution: Ireland

***Aphanogmus terminalis* Förster, 1861**

Distribution: Ireland

Notes: Added by Buhl and O'Connor (2011).

***Aphanogmus vicinus* Förster, 1861**

Distribution: England, Ireland

Notes: Added by Buhl and O'Connor (2012).

Genus *Ceraphron* Jurine, 1807

Nomenclature:

CALLICERAS Nees, 1834

HADROCERAS Förster, 1840

TOMOLIGON Rondani, 1877

MEGASPILIDEA Ashmead, 1888
NEOCERAPHRON Ashmead, 1893
PRISTOMICROPS Kieffer, 1906
CERATOPHRON Schulz, 1906 emendation
ALLOMICROPS Kieffer, 1914
EULAGYNODES Girault, 1917
CERANOGMUS Risbec, 1953
LARSOCERAPHRON Dessart, 1981
OKTOCERAPHRON Dessart & Cancemi, 1987

***Ceraphron bispinosus* (Nees, 1834)**

Nomenclature:

Calliceras bispinosa Nees, 1834
striatus Förster, 1861
crassicornis Harrington, 1899
opacus Kieffer, 1905
bohemani (Kieffer, 1914, *Calliceras*)
septentrionalis (Kieffer, 1914, *Calliceras*)

***Ceraphron flaviventris* Kieffer, 1907**

***Ceraphron myrmecophilus* Kieffer, 1913**

***Ceraphron myrmicarum* Kieffer, 1913**

***Ceraphron nigraticeps* Kieffer, 1907**

Distribution: England

***Ceraphron nigrelliceus* Kieffer, 1907**

***Ceraphron pallipes* (Thomson, 1858)**

Nomenclature:

Calliceras pallipes Thomson, 1858
pallidipes misspelling

globuliflagellaris Szabó, 1979

***Ceraphron scoticus* Kieffer, 1907**

Distribution: England, Scotland

***Ceraphron testaceipes* Kieffer, 1904**

Nomenclature:

bruneus Kieffer, 1904

spinifer Kieffer, 1907

spinifex misspelling

Distribution: England

***Ceraphron trissacantha* Kieffer, 1907**

Distribution: Ireland

Notes: Added by Buhl and O'Connor (2011).

Genus *Synaris* Förster, 1878

Nomenclature:

SINARIS misspelling

***Synaris britannica* Szelényi, 1936**

***Synaris planifrons* Kieffer, 1907**

***Synaris pulla* Förster, 1878**

Distribution: England

Family Megaspilidae Ashmead, 1893

Subfamily Lagynodinae Masner & Dessart, 1967

Genus *Lagynodes* Förster, 1840

Nomenclature:

LAGNYODES misspelling

MICROPS Haliday, 1833 preocc.

MICROPS Marshall, 1874

PLASTOMICROPS Kieffer, 1906

***Lagynodes pallidus* (Boheman, 1832)**

Nomenclature:

Ceraphron pallidus Boheman, 1832

rubi (Haliday, 1833, *Microps*)

pallidus (Zetterstedt, 1840, *Ceraphron*) preocc.

spinosa (Förster, 1840, *Hadrocerus*)

rufus Förster, 1840

rufescens Ruthe, 1859

furcifer (Marshall, 1874, *Triogmus*)

minutus Ashmead, 1893

nitidiceps Kieffer, 1906

crassicornis Kieffer, 1906

niger Kieffer, 1906

aterior Box, 1921

Distribution: England, Wales, Ireland

***Lagynodes thoracicus* Kieffer, 1906**

Nomenclature:

janssoni Maumené-Burtel, 1957

Subfamily Megaspilinae Ashmead, 1893

Genus *Conostigmus* Dahlbom, 1858

Nomenclature:

DICHOGMUS Thomson, 1858

EUMEGASPILUS Ashmead, 1888

EUMEGALOSPILUS Schulz, 1906 invalid emendation

CONOSTIGMOIDES Dodd, 1914

ECNOMOTHORAX Dessart & Masner, 1965

DOLICHOCERAPHRON Hellén, 1966

SZELENYIDES Dessart, 1974

***Conostigmus abdominalis* (Boheman, 1832)**

Nomenclature:

Ceraphron abdominalis Boheman, 1832

tenuicornis (Boheman, 1832, *Ceraphron*)

testacea Kieffer, 1907

divisifrons Kieffer, 1907

foveatifrons Kieffer, 1907

pilosiceps Szabó, 1979

curvilineaticeps Szabó, 1979

Distribution: England

***Conostigmus alutaceus* (Thomson, 1858)**

Nomenclature:

Megaspilus alutaceus Thomson, 1858

***Conostigmus apteryx* Kieffer, 1909**

Nomenclature:

apterus Kieffer, 1907 preocc.

***Conostigmus ateloapterus* (Marshall, 1868)**

Nomenclature:

Megaspilus ateloapterus Marshall, 1868

***Conostigmus basalis* Kieffer, 1907**

***Conostigmus borealis* (Thomson, 1858)**

Nomenclature:

Megaspilus borealis Thomson, 1858

***Conostigmus brachypterus* (Thomson, 1858)**

Nomenclature:

Megaspilus brachypterus Thomson, 1858

subapterus (Zetterstedt, 1840, *Ceraphron*) preocc.

***Conostigmus britannicus* Kieffer, 1907**

Nomenclature:

cameroni Kieffer, 1914

***Conostigmus carpentieri* Kieffer, 1907**

Distribution: England, Ireland

***Conostigmus clavicornis* Kieffer, 1907**

***Conostigmus crassicornis* (Boheman, 1832,)**

Nomenclature:

Ceraphron crassicornis Boheman, 1832

validicornis (Thomson, 1858, *Megaspilus*)

flavopunctatus Kieffer, 1907

macrocerus Kieffer, 1907

alpicola Kieffer, 1907

subclavatus Kieffer, 1907

apsteini Kieffer, 1914

Distribution: England, Ireland

***Conostigmus cursitans* (Nees, 1834)**

Nomenclature:

Calliceras cursitans Nees, 1834

leptothorax Kieffer, 1907

micans Kieffer, 1907

subalatus Kieffer, 1907

Distribution: England

***Conostigmus curtipennis* Kieffer, 1907**

***Conostigmus cylindricus* Kieffer, 1907**

Nomenclature:

geniculatus Kieffer, 1907

nigriceps (Kieffer, 1907, *Dichogmus*)

globiceps Hellén, 1966

Distribution: England, Ireland

***Conostigmus fasciatipennis* Kieffer, 1907**

Distribution: England

***Conostigmus formiceti* (Erichson, 1844)**

Nomenclature:

wasmanni (Kieffer, 1904, *Megaspilus*)

antennalis (Kieffer, 1904, *Megaspilus*)

testaceipes (Kieffer, 1904, *Megaspilus*)

?lasiophilus (Kieffer, 1905, *Megaspilus*)

tricolor Kieffer, 1907

myrmecobius Kieffer, 1913

formicarum Kieffer, 1914

nidorum Kieffer, 1914

Distribution: England

***Conostigmus frontalis* (Thomson, 1858)**

Nomenclature:

crassinervis (Kieffer, 1904, *Megaspilus*)

subsulcatus Kieffer, 1907

Distribution: England

***Conostigmus fuscipes* (Nees, 1834)**

***Conostigmus halteratus* (Boheman, 1832)**

Nomenclature:

Ceraphron halteratus Boheman, 1832

longicornis (Boheman, 1832, *Ceraphron*)

brevipennis (Nees, 1834, *Calliceras*)

punctulatus (Cameron, 1881, *Megaspilus*)

cursor (Kieffer, 1904, *Megaspilus*)

clavatipennis *clavatipennis* (Kieffer, 1905, *Megaspilus*)

rhopalophorus Kieffer, 1907

lineatifrons Kieffer, 1907

punctatifrons Kieffer, 1907

Distribution: England, Scotland

***Conostigmus humilis* Kieffer, 1907**

Distribution: England

***Conostigmus inconstans* Kieffer, 1907**

Nomenclature:

angusticeps Kieffer, 1907

pennatus Kieffer, 1907

***Conostigmus innotatus* Kieffer, 1907**

***Conostigmus lativentris* (Thomson, 1858)**

Nomenclature:

Megaspilus lativentris Thomson, 1858

halteriger Kieffer, 1907

scabriventris Kieffer, 1907

holocephus Szabó, 1979

Distribution: England

***Conostigmus levifrons* Kieffer, 1907**

Nomenclature:

semipunctatus Szabó, 1979

szelenyii Szabó, 1979

Distribution: England

***Conostigmus linearis* Hellén, 1966**

Distribution: England

Notes: Added by Dessart (1996)

***Conostigmus lucidus* Kieffer, 1907**

Distribution: England, Ireland

***Conostigmus melanocephalus* (Boheman, 1832)**

Nomenclature:

Ceraphron melanocephalus Boheman, 1832

thoracicus (Nees, 1834, *Calliceras*)

allotropus Kieffer, 1907

micromma Kieffer, 1907

signatifrons Kieffer, 1917

***Conostigmus mullensis* (Cameron, 1881)**

Nomenclature:

Megaspilus mullensis Cameron, 1881

Distribution: Scotland

***Conostigmus niger* Kieffer, 1907**

***Conostigmus nigriventris* Kieffer, 1907**

***Conostigmus obscurus* (Thomson, 1858)**

Nomenclature:

Megaspilus obscurus Thomson, 1858
arcticus (Thomson, 1858, *Megaspilus*)
syrphorum Kieffer, 1907

***Conostigmus planifrons* Kieffer, 1907**

***Conostigmus pubescens* (Thomson, 1858)**

Nomenclature:

Ceraphron pubescens Thomson, 1858

Distribution: England, Ireland

***Conostigmus rufescens* Kieffer, 1907**

Nomenclature:

anglicus Kieffer, 1907

Distribution: England

***Conostigmus ruficollis* Kieffer, 1907**

Nomenclature:

globuliceps Szabó, 1979

***Conostigmus rufipes* (Nees, 1834)**

Nomenclature:

Ceraphron rufipes Nees, 1834

cruciger Szabó, 1979

misinus Szabó, 1979

Distribution: England

***Conostigmus rutilus* Kieffer, 1907**

***Conostigmus speculiger* Dessart, 1974**

***Conostigmus subclavicornis* Kieffer, 1907**

***Conostigmus subfilicornis* Kieffer, 1907**

Distribution: England

***Conostigmus sulcaticeps* Kieffer, 1907**

***Conostigmus triangularis* (Thomson, 1858)**

Nomenclature:

Ceraphron triangularis Thomson, 1858

armatus (Kieffer, 1907, *Trichosteresis*)

marshalli Kieffer, 1907

forticornis Kieffer, 1907

ater Fouts, 1926

zagloui Kamal, 1926

moczari Szabó, 1979

Distribution: England

***Conostigmus tristriatus* Kieffer, 1907**

***Conostigmus versicolor* Kieffer, 1907**

Distribution: England, Wales, Ireland

Genus *Creator* Alekseev, 1980

***Creator spissicornis* (Hellén, 1966)**

Nomenclature:

Lygocerus spissicornis Hellén, 1966

Distribution: England

Notes: Added by Fergusson (1980). Treated as a species of *Dendrocerus* by Fergusson (1980).

Genus *Dendrocerus* Ratzeburg, 1852

Nomenclature:

LYGOCERUS Förster, 1856

MACROSTIGMA Rondani, 1877

ATRITOMUS Förster, 1878 preocc.

PRODENDROCERUS Kieffer, 1907

ATRITOMELLUS Kieffer, 1914

NEOLYGOCERUS Ishii, 1951

BASOKO Risbec, 1958

Notes: Syonymic and distributional data taken from Fergusson (1980).

***Dendrocerus aphidum* (Rondani, 1877)**

Nomenclature:

Macrostigma aphidum Rondani, 1877

rufipes (Thomson, 1858, *Ceraphron*) preocc.

aphidum (Rondani, 1877, *Macrostigma*)

koebelei (Ashmead, 1904, *Lygocerus*)

subquadratus (Kieffer, 1907, *Lygocerus*)

fusciventris (Kieffer, 1907, *Lygocerus*)

frenalis (Kieffer, 1907, *Lygocerus*)

breadalbimensis (Kieffer, 1907, *Lygocerus*)

bicolor (Kieffer, 1907, *Lygocerus*)

fuscipennis (Kieffer, 1907, *Lygocerus*)

?neglectus (Kieffer, 1907, *Lygocerus*)

attentus Muesebeck, 1959

lundensis Dessart, 1966

Distribution: England, Scotland, Wales, Ireland

***Dendrocerus bifoveatus* (Kieffer, 1907)**

Nomenclature:

Lygocerus bifoveatus Kieffer, 1907

sordidipes (Kieffer, 1907, *Lygocerus*)

Distribution: England, Scotland

***Dendrocerus carpenteri* (Curtis, 1829)**

Nomenclature:

Ceraphron carpenteri Curtis, 1829

crispus (Curtis, 1829, *Ceraphron*) nom. nud.

elegans (Curtis, 1829, *Ceraphron*) nom. nud.
fuscipes (Ratzeburg, 1852, *Ceraphron*) preocc.
hyalinatus (Thomson, 1858, *Ceraphron*)
niger (Howard, 1890, *Megaspilus*)
proximus (Kieffer, 1907, *Trichosteresis*)
punctatipennis (Kieffer, 1907, *Trichosteresis*)
rufiventris (Kieffer, 1907, *Lygocerus*) preocc.
campestris (Kieffer, 1907, *Lygocerus*)
aphidivorus (Kieffer, 1907, *Lygocerus*)
testaceimanus (Kieffer, 1907, *Lygocerus*)
aphidum (Kieffer, 1907, *Lygocerus*) preocc.
giraudi (Kieffer, 1907, *Lygocerus*)
cameroni (Kieffer, 1907, *Lygocerus*)
thomsoni (Kieffer, 1907, *Lygocerus*)
inquilinus (Kieffer, 1917, *Lygocerus*)
ambianus (Dessart, 1965, *Lygocerus*)
britannicus Dessart, 1966
tischbeini Dessart, 1966

Distribution: England, Scotland, Wales, Ireland

***Dendrocerus flavipes* Kieffer, 1907**

Nomenclature:

fuscipes Kieffer, 1907

Distribution: England, Ireland

Notes: Added by Fergusson (1980)

***Dendrocerus ?floridanus* (Ashmead, 1881)**

Nomenclature:

Chirocerus floridanus Ashmead, 1881

semiramosus (Kieffer, 1907, *Lygocerus*)

longispinus (Yasumatsu & Moritsu, 1947, *Lygocerus*)

Notes: Provisionally included on the British and Irish list on the basis of Dessart (1978), who synonymised *semiramosus* (described from a British specimen) under *floridanus*.

Although Fergusson (1980) listed *semiramosus* as a junior synonym of *serricornis*, it was retained as a junior synonym of *floridanus* by Johnson and Musetti (2004), albeit with the comment that this 'difference in taxonomic judgement has not yet been resolved'.

***Dendrocerus halidayi* (Curtis, 1829)**

Nomenclature:

Ceraphron halidayi Curtis, 1829

lichtensteinii Ratzeburg, 1852

callicerus (Thomson, 1858, *Ceraphron*)

hungaricus (Szabó, 1979, *Atritomellus*)

Distribution: England, Ireland

***Dendrocerus laevis* (Ratzeburg, 1852)**

Nomenclature:

Ceraphron laevis Ratzeburg, 1852

frontalis (Thomson, 1858, *Ceraphron*)

coccophagus (Förster, 1878, *Atritomus*)

smirnoffi (Ghesquière, 1960, *Atritomellus*)

Distribution: England, Ireland

Notes: Added by Fergusson (1980)

***Dendrocerus laticeps* (Hedicke, 1929)**

Nomenclature:

Atritomellus laticeps Hedicke, 1929

incompletus (Muesebeck, 1959, *Lygocerus*)

Distribution: England, Wales

Notes: Added by Fergusson (1980)

***Dendrocerus liebscheri* Dessart, 1972**

Nomenclature:

tenuicornis (Thomson, 1858, *Ceraphron*) preocc.

Distribution: England, Wales

Notes: Added by Fergusson (1980)

***Dendrocerus punctipes* (Boheman, 1832)**

Nomenclature:

Ceraphron punctipes Boheman, 1832
parvulus (Wollaston, 1858, *Ceraphron*)
vassae (Szabó, 1979, *Conostigmus*)

Distribution: England

Notes: Added by Fergusson (1980)

***Dendrocerus pupparum* (Boheman, 1832)**

Nomenclature:

Ceraphron pupparum Boheman, 1832
puparum misspelling
ancyloneurus (Ratzeburg, 1844, *Ceraphron*)
syrphidarum (Kieffer, 1907, *Lygocerus*)

Distribution: England

***Dendrocerus ramicornis* (Boheman, 1832)**

Nomenclature:

Ceraphron ramicornis Boheman, 1832
glabriculus (Thomson, 1858, *Ceraphron*)
japonicus (Ashmead, 1904, *Lygocerus*)
ratzeburgi (Ashmead, 1904, *Lygocerus*)

Distribution: England, Scotland

***Dendrocerus rectangularis* (Kieffer, 1907)**

Nomenclature:

Lygocerus rectangularis Kieffer, 1907
longicornis (Thomson, 1858, *Ceraphron*) preocc.
pallipes (Kirchner, 1867, *Lygocerus*) nom. nud.
claripennis (Kieffer, 1907, *Lygocerus*)

flavipes (Kieffer, 1907, *Lygocerus*) preocc.

lentus (Kieffer, 1907, *Conostigmus*)

alpestris (Kieffer, 1907, *Conostigmus*)

dubiosus (Kieffer, 1907, *Conostigmus*) synonymy by Dessart (1981)

navaensis Dessart, 1966

flavus (Hellén, 1966, *Lygocerus*)

Distribution: England, Scotland, Wales, Ireland

***Dendrocerus serricornis* (Boheman, 1832)**

Nomenclature:

Ceraphron serricornis Boheman, 1832

serraticornis misspelling

testaceimanus misident.

piceus (Ratzeburg, 1852, *Ceraphron*)

lapponicus (Thomson, 1858, *Ceraphron*)

subramosus (Kieffer, 1907, *Lygocerus*)

pinicola (Muesebeck, 1959, *Lygocerus*)

zetterstedti (Ghesquière, 1960, *Atritomellus*)

Distribution: England, Scotland, Ireland

Genus *Megaspilus* Westwood, 1829

Nomenclature:

HABROPELTE Thomson, 1858

MEGASPILODES Ashmead, 1888

MEGALOSPILUS Schulz, 1906 emendation

***Megaspilus dux* (Curtis, 1829)**

Nomenclature:

Ceraphron dux Curtis, 1829

scutellaris (Boheman, 1832, *Ceraphron*)

tibialis (Boheman, 1832, *Ceraphron*)

herculeus (Förster, 1840, *Ceraphron*)

stygius (Provancher, 1887, *Telenomus*)

pleuralis Kieffer, 1907
integrifrons Kieffer, 1907
rufimanus Kieffer, 1907
merceti Kieffer, 1907
fuscicrus (Kieffer, 1907, *Conostigmus*)

Distribution: England

***Megaspilus striolatus* (Thomson, 1858)**

Nomenclature:

Habropelte striolata Thomson, 1858
hispanicus Kieffer, 1907
flavimanus Kieffer, 1907
sculpturatus Kieffer, 1907

Genus *Trichosteresis* Förster, 1856

Nomenclature:

THLIBONEURA Thomson, 1858

***Trichosteresis glabra* (Boheman, 1832)**

Nomenclature:

Ceraphron glaber Boheman, 1832
syrophii (Bouché, 1834, *Ceraphron*)
clandestinus (Nees, 1834, *Ceraphron*)
albipennis (Zetterstedt, 1840, *Ceraphron*)
tortricum (Ratzeburg, 1844, *Ceraphron*)
nitida (Thomson, 1858, *Thliboneura*)
radialis (Thomson, 1858, *Thliboneura*)
floridanus Ashmead, 1887
foersteri Kieffer, 1907
flavitarsis Kieffer, 1907
longigena Kieffer, 1907
vitripennis Whittaker, 1930
ninomiyai Yasumatsu, 1963

Distribution: England

Trichosteresis nudipennis Kieffer, 1907

References

- Broad GR (2014) Checklist of British and Irish Hymenoptera - Introduction. Biodiversity Data Journal 2: e1113. <https://doi.org/10.3897/BDJ.2.e1113>
- Buhl PN (2009) Reared Palaearctic Ceraphronidae and Platygastriidae (Hym.), with a new species of *Platygaster* Latreille, 1809. Entomologist's Monthly Magazine 145: 197-202.
- Buhl PN, O'Connor JP (2011) Nine species of Ceraphronidae (Hymenoptera: Ceraphronoidea) new to Ireland. Irish Naturalist's Journal 31 (2010): 126-127.
- Buhl PN, O'Connor JP (2012) Distributional records of Irish Platygastroidea: Platygastriinae and Ceraphronoidea: Ceraphronidae including *Aphanogmus elegantulus* new to Ireland. Bulletin of the Irish Biogeographical Society 36: 15-23.
- Dessart P (1978) *Dendrocerus floridanus* (Ashmead, 1881), nouvel exemple d'espèce holarctique (Hym. Ceraphronoidea Megaspilidae). Bulletin et Annales de la Société Royale Entomologique de Belgique 114: 295-300.
- Dessart P (1996) Hymenoptera Ceraphronoidea nouveaux ou peu connus (no 2). Bulletin et Annales de la Société Royale Entomologique de Belgique 132: 45-62.
- Evans GA, Dessart P, Glenn H (2005) Two new species of *Aphanogmus* (Hymenoptera: Ceraphronidae) of economic importance reared from *Cybocephalus nipponicus* (Coleoptera: Cybocephalidae). Zootaxa 1018 (1018): 47-54.
- Fergusson NDM (1980) A revision of the British species of *Dendrocerus* Ratzeburg (Hymenoptera: Ceraphronoidea) with a review of their biology as aphid hyperparasites. Bulletin of the British Museum (Natural History), Entomology 41: 255-314.
- Haviland MD (1920) On the bionomics and development of *Lygocerus testaceimanus* Kieffer, and *Lygocerus cameroni* Kieffer, (Proctotrypoidea-Ceraphronidae) parasites of *Aphidius* (Braconidae). Quarterly Journal of Microscopical Science 65: 101-127.
- Johnson NF, Musetti L (2004) Catalog of the systematic literature of the superfamily Ceraphronoidea (Hymenoptera). Contributions of the American Entomological Institute 33 (2): 1-149.
- Luhman JC, Holzenthal RW, Kjaerandsen JK (1999) New host record of a ceraphronid (Hymenoptera) in Trichoptera pupae. Journal of Hymenoptera Research 8 (1): 126.
- O'Connor JP (2007) *Ceraphron nigriceps* (Thomson) (Hym., Ceraphronoidea) new to Ireland. Entomologist's Monthly Magazine 143: 96.
- Parnell JR (1963) Three gall midges (Diptera: Cecidomyiidae) and their parasites found in the pods of broom (*Sarothamnus scoparius* (L.) Wimmer). Transactions of the Royal Entomological Society of London 115: 261-275. <https://doi.org/10.1111/j.1365-2311.1963.tb00809.x>
- Parr MJ (1960) Three new species of *Aphanogmus* (Hymenoptera: Ceraphronidae) from Britain, with a re-description of *A. fumipennis* Thoms., 1858, a species new to Britain. Transactions of the Society for British Entomology 14: 115-130.

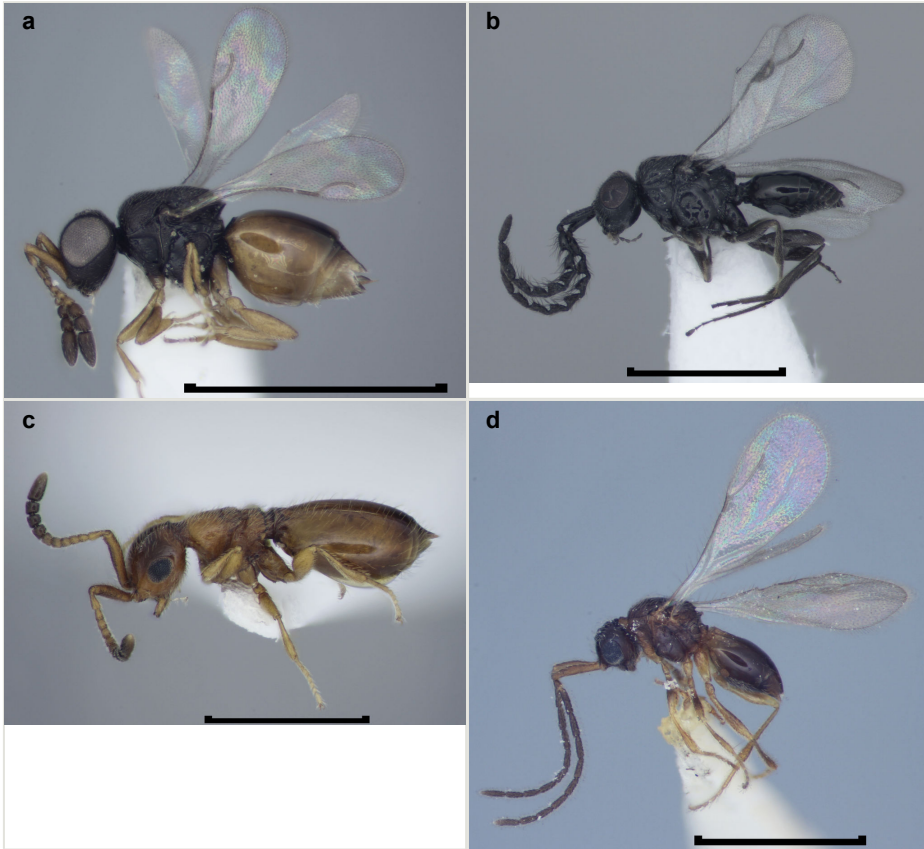


Figure 1.

Habitus of representative British Ceraphronoidea (scale bar = 1 mm).

a: Ceraphronidae: *Aphanogmus abdominalis* (Thomson) female, ex galls of *Dasineura odoratae* Stelter (Diptera: Cecidomyiidae) on *Viola odorata*, England, Surrey, Ripley, July 2007, coll. K.M. Harris, det. P. Buhl (BMNH(E)#1022373).

b: Megaspilidae: Megaspilinae: *Dendrocerus carpenteri* (Curtis) male, ex *Trioxys betulae* Marshall (Hymenoptera: Braconidae) in *Clethrobium comes* (Walker) (Hemiptera: Aphididae) on *Alnus glutinosa*, Scotland, Invernesshire, Dundreggan, June 2012, coll. E.A. Baker, det. D.G. Notton (BMNH(E)#1022374).

c: Megaspilidae: Lagynodinae: *Lagynodes pallidus* (Boheman) female, Winkler extraction, England, Isle of Wight, Timber Copse, May 2013, coll. V. Burton, det. D.G. Notton (BMNH(E)#1022375).

d: Megaspilidae: Lagynodinae: *Lagynodes pallidus* (Boheman) male, England, Devon, Torquay District, August 1929, coll. G. Nixon (BMNH(E)#1022381).