Checklist of British and Irish Hymenoptera - Cynipoidea

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Academic editor: Pavel Stoev
Received: 05 Feb 2016 | Accepted: 06 Mar 2017 | Published: 09 Mar 2017
Citation: Forshage M, Bowdrey J, Broad G, Spooner B, van Veen F (2017) Checklist of British and Irish Hymenoptera - Cynipoidea. Biodiversity Data Journal 5: e8049. https://doi.org/10.3897/BDJ.5.e8049

Abstract

Background

The British and Irish checklist of Cynipoidea is revised, considerably updating the last complete checklist published in 1978. Disregarding uncertain identifications, 220 species are now known from Britain and Ireland, comprising 91 Cynipidae (including two established non-natives), 127 Figitidae and two Ibaliidae.

New information

One replacement name is proposed, Kleidotoma thomsoni Forshage, for the secondary homonym Kleidotoma tetratoma Thomson, 1861 (nec K. tetratoma (Hartig, 1841)).
Introduction

This paper continues the series of updated British and Irish Hymenoptera checklists that started with Broad and Livermore (2014a), Broad and Livermore (2014b), Liston et al. (2014) and with an introduction by Broad (2014). This represents the first complete update of the British list since 1978 (Fitton et al. 1978).

The Cynipoidea is a rather diverse superfamily of three British families (the Austrocynipidae and Lioperidae are entirely extralimital). The Figitidae and Ibaliidae comprise koinobiont endoparasitoids of other insects whereas the Cynipidae are gall-formers, or inquilines of gall-formers. A summary of cynipoid biology can be found in Gauld and Bolton (1988). Briefly, many Figitidae are parasitoids of Diptera larvae although the Charipinae are hyperparasitoids of primary parasitoids in aphids and some other Homoptera and the Anacharitinae are parasitoids of Hemerobiidae (Neuroptera); the small family Ibaliidae are specialised parasitoids of Siricidae larvae; and the Cynipidae are entirely phytophagous, most conspicuously as gall-formers of oaks (Quercus) but with numerous species galling other Rosaceae (and a few other plants) and the tribe Synergini are inquilines of other cynipid galls. A few representative Cynipoidea are illustrated in Figs 1, 2, 3.

The British Cynipidae checklist was updated comparatively recently (Spooner and Bowdrey 2000) and Irish checklists were published by O’Connor and Nash (1998), O’Connor et al. (2003), O’Connor (2004), O’Connor et al. (2009) and O’Connor et al. (2009). Our knowledge of the figitid fauna is still far from perfect but recent work by M. Forshage on the European Eucoilinae and a catalogue of Charipinae (Ferrer-Suay et al. 2012b plus updated synonymy in several other papers) have been timely. MF has sorted and identified the BMNH collections of British Eucoilinae, adding many new species and distribution records. In contrast to the rather neglected Figitidae and Ibaliidae, gall wasps (Cynipidae) have received a certain amount of attention over the years and are studied and recorded under the auspices of the British Plant Gall Society. The numbers of valid, certainly identified Cynipoidea are listed by family and country in Table 1. The total fauna has increased by 9% since the last checklist (Quinlan 1978b). This rather small increase can be explained by the substantial increase in taxonomic work in recent years, resulting in synonymy and corrected identifications nearly keeping pace with new discoveries.
Figure 1.
Representative British Cynipidae

a: *Andricus quercuscorticis* (Linnaeus), agamic female (J.P. Bowdrey)
b: *Biorhiza pallida* (Olivier), sexual females on their gall (J.P. Bowdrey)
c: *Synergus thaumacerus* (Dalman) male (courtesy of E. Klimsa)

Figure 2.
Representative British Cynipidae.
a: Male *Synergus* sp. (J. Bowdrey).
b: Ovipositing female *Neuroterus anthracinus* (Curtis) (J. Bowdrey).
Table 1.
Numbers of confirmed British and Irish Cynipoidea broken down by family and country, with numbers from the 1978 checklist (Quinlan 1978b) for comparison. Totals do not include uncertain identifications.

| family       | total valid species 1978 | total valid species 2017 | England | Scotland | Wales | Ireland | Isle of Man |
|--------------|--------------------------|--------------------------|---------|----------|-------|---------|-------------|
| Cynipidae    | 78 [inc. 1 introduced]   | 91 [inc. 2 introduced]  | 87      | 49       | 56    | 48      | 13          |
| Figitidae    | 123                      | 127                      | 111     | 44       | 30    | 50      | 1           |
| Ibaliiidae   | 1                        | 2                        | 2       | 1        | 0     | 0       | 0           |
|              | 202                      | 220                      | 200     | 94       | 86    | 98      | 14          |
Materials and methods

We reference all additions to and deletions from the 1978 British list (Quinlan 1978a) and record country-level distribution within the British Isles, i.e. England, Scotland, Wales, Ireland (as one unit) and the Isle of Man. A more complete introduction to the methods and rationale behind this checklist series can be found in Broad (2014).

Because the agamic and sexual generations of cynipids are sometimes referred to by different names, these are differentiated in the checklist. The following conventions and abbreviations are used:

[species] taxon deleted from the British and Irish list and nomina dubia

BMNH Natural History Museum, London

# known introductions occurring only under artificial conditions or established in the wild

? status (including uncertain synonymy) or identification in the British Isles uncertain

misident. has been misidentified as this name

nom. dub. nomen dubium, a name of doubtful status

nom. ob. nomen oblitum, ‘forgotten name’, does not have priority over a younger name

nom. nov. nomen novum, a replacement name

nom. nud. nomen nudum, an unavailable name, with no type specimen

preocc. name preoccupied (junior homonym)

stat. rev. status revocatus, revived status (e.g. raised from synonymy)

unavailable name unavailable under provisions of the zoological code

var. variety, only available as a valid name under certain provisions of the zoological code

f. form, only available as a valid name under certain provisions of the zoological code

-a- name based on agamic (asexual) generation (used in Cynipidae)

-s- name based on sexual generation (used in Cynipidae)

Distribution data for Cynipidae are mainly derived by JPB from published sources, but thanks are due to the following for supplying additional data: Janet Boyd, Records Data Manager, British Plant Gall Society; Adrian Fowles, Countryside Council for Wales; Kate Hawkins, Manx Natural Heritage; David Notton, BMNH; Mark Pavett, National Museum of Wales (all pers. comm.). Distribution data for Figitidae and Ibaliidae are mainly from BMNH and cited published sources.
Word document and Excel spreadsheet versions of the checklist are available as supplementary files: Suppl. materials 1, 2.

Cynipidae

Family Cynipidae Latreille, 1802

Notes: Liljeblad and Ronquist (1998), Ronquist (1999) and Ronquist et al. (2015) employed a series of monophyletic tribes, in the absence of strong evidence for relationships above this level. Synonymy for Cynipidae includes all names that have appeared in the British literature but does not necessarily include all Palaearctic names proposed as varieties or forms. For complete synonymy please see Melika (2006a) and Melika (2006b), also Nieves-Aldrey (2001). It should be borne in mind that future molecular studies may change our understanding of some species concepts and their alternating generations.

Tribe Aulacideini Nieves-Aldrey, 1994

Notes: The availability of the name Aulacideini has been questioned and is currently being looked into. This will possibly only be solved by the ICZN.

Genus Aulacidea Ashmead, 1897

Nomenclature:

PSEUDAULAX Ashmead,1903

Notes: Species of Aulacidea removed from the British and Irish list:

[andreii (Kieffer, 1900, Aulax)] Added by Bagnall (1931) from the gall. Discussed by Bowdrey (1999), who concluded that this record was in error.

Aulacidea follioti Barbotin, 1972

Distribution: England

Notes: added by Bowdrey (1994).

Aulacidea hieracii (Linnaeus, 1758)

Nomenclature:

Cynips hieracii Linnaeus, 1758

sabaudi (Hartig, 1840, Aylax)
graminis (Cameron, 1875, Aulax)
artemisiae (Thomson, 1877, Aylax)
crassinervis (Thomson, 1877, Aylax)
foveigera (Thomson, 1877, Aylax)

**Distribution**: England, Scotland, Wales

**Aulacidea nibletti** Quinlan & Askew, 1969

**Distribution**: Scotland

**Aulacidea pilosellae** (Kieffer, 1901)

**Nomenclature**:

*Aulax pilosellae* Kieffer, 1901

**Distribution**: England

**Aulacidea subterminalis** Niblett, 1946

**Distribution**: England

**Aulacidea tragopogonis** (Thomson, 1877)

**Nomenclature**:

*Aulax tragopogonis* Thomson, 1877

*pigeoti* (Kieffer, 1898, *Aulax*)

**Distribution**: England

**Notes**: *A. pigeoti*, added by Bagnall and Harrison (1930) on the basis of galls only (root collar of *Tragopogon porrifolius*), was synonymised by Eady and Quinlan (1963) with *tragopogonis* but erroneously so with *hieracii* in *Fauna Europaea* (Noyes et al. 2004) (Nieves-Aldrey, pers. comm.).

**Genus Isocolus** Förster, 1869

**Nomenclature**:

*EUBOTHRUS* Förster, 1869

**Isocolus fitchi** (Kieffer, 1898)

**Nomenclature**:

*Aulax fitchi* Kieffer, 1898
Distribution: England

Isocolus jaceae (Schenck, 1863)

Nomenclature:

Aulax jaceae Schenck, 1863
affinis (Schenck, 1863, Aylax)

Distribution: England, Scotland

Isocolus scabiosae (Giraud, 1859)

Nomenclature:

Diastrophus scabiosae Giraud, 1859
areolatus (Giraud, 1859, Diastrophus)
centaureae (Thomson, 1877, Aulax)
rogenhoferi Wachtl, 1880

Distribution: England

Notes: rogenhoferi: galls bracts of Centaurea scabiosa, but not now considered to be a distinct species (Nieves-Aldrey 1994).

Genus Liposthenes Förster, 1869

Nomenclature:

LIPOSTHENUS misspelling

Liposthenes glechomae (Linnaeus, 1758)

Nomenclature:

Cynips glechomae Linnaeus, 1758
latreillei (Kieffer, 1898, Aulax)

Distribution: England, Scotland, Wales, Isle of Man

Tribe Aylacini Ashmead, 1903

Genus Aylax Hartig, 1840

Nomenclature:

AULAX Hartig, 1843
Aylax minor Hartig, 1840

Distribution: England, Ireland

Aylax papa veris (Perris, 1840)

Nomenclature:

- Diplolepis papa veris Perris, 1840
- rhoeadis (Bouché, 1834, Cynips)

Distribution: England, Scotland, Wales

Tribe Ceroptresini Nieves-Aldrey, Nylander & Ronquist, 2015

Genus Ceroptres Hartig, 1840

Ceroptres cerri Mayr, 1873

Nomenclature:

- Ceroptres cerriphilus Giraud, 1911
- vitripennis Giraud, 1911

Distribution: England

Notes: Added by Jennings Jennings (2016).

Ceroptres clavicornis Hartig, 1840

Nomenclature:

- socialis Hartig, 1840
- arator Hartig, 1841
- melanonerus Hartig, 1841

Distribution: England, Scotland, Wales, Ireland

Tribe Cynipini Latreille, 1802[4]

Notes: Generic classification of oak-associated Cynipini follows Melika and Abrahamson (2002). As sexual and agamic generations have often been described under different names, those based on agamic generation are denoted by the suffix '-a-', those based on the sexual generation by '-s-'.
Genus *Andricus* Hartig, 1840

**Nomenclature:**

- *APHILOTHRIX* Förster, 1869
- *LIODORA* Förster, 1869
- *MANDERSTJERNIA* Radoszkowski, 1866
- *TRICHOTERAS* Ashmead, 1897
- *PARANDRICUS* Kieffer, 1906
- *ADLERIA* Rohwer & Fagan, 1917
- *EUSCHMITZIA* Dettmer, 1925
- *ONCASPI*S Dettmer, 1925
- *DROS* Kinsey, 1937
- *DRUON* Kinsey, 1937
- *FERON* Kinsey, 1937
- *CONOBIOS* Kinsey, 1938

**Notes:** Species of *Andricus* removed from the British and Irish list:

- *[clementinus](Giraud, 1859, *Cynips* -a-)* - Added by Cameron (1893) from the gall only. An agamic female in the Morley collection at Ipswich Museum is *quercusradicis*. No recent records.

- *[gallaetinctoriae](Olivier, 1791, *Diplolepis* -a-, syn. *tinctoria* (Hartig, 1843, *Cynips* -a-)]* - Niblett et al. (1932) (following Houard) state that this species was accidentally introduced in the 19th Century on *Quercus aegilops*, and never established.

- *[gallaeurniformis](Boyer de Fonscolombe, 1832, *Diplolepis* -a-, syn. *sufflato*r Mayr, 1882 -s-)* - First recorded from old galls by Bagnall and Harrison (1918). Sexual generation also included by Eady and Quinlan (1963), doubtfully British, no confirmed records.

- *[quercustozae](Bosc, 1792, *Cynips* -a-)* - Added by Eady and Quinlan (1967) on the basis of a single gall found on a road at Kew. No further records.

- *[trotteri](Kieffer, 1898 -a-)* - Added by Bagnall and Harrison (1918) from the gall only. No further records and rejected as British by Eady and Quinlan (1963).

*Andricus amenti* Giraud, 1859 -s-

**Nomenclature:**

- *callidoma* (Giraud, 1859, *Cynips*) preocc. -a-
- *giraudianus* Dalla Torre & Kieffer, 1910 -a-
**Andricus aries** (Giraud, 1859) -a-

**Nomenclature:**

*Cynips aries* Giraud, 1859

**Distribution:** England, Wales

**Notes:** Added by Leach (1999). First recorded from the agamic generation, the sexual generation was reported by Walker (2001b).

**Andricus callidoma** (Hartig, 1841) -a-

**Nomenclature:**

*Cynips callidoma* Hartig, 1841

*cirratus* Adler, 1881 -s-

*giraudi* Wachtl, 1882 -a-

**Distribution:** England, Scotland, Wales, Ireland

**Andricus corruptrix** (Schlechtendal, 1870) -a-

**Nomenclature:**

*Cynips corruptrix* Schlechtendal, 1870

*ambigua* (Trotter, 1899, *Cynips*) -a-

*corruptrix f. elianae* Melika, Csóka & Pujade-Villar, 2000 nom. nud. -s-

**Distribution:** England, Scotland, Ireland

**Notes:** *Cynips ambiguа* was placed by Bellido et al. (2005) in synonymy with *corruptrix* but previously regarded as a distinct species (Melika et al. 2000). Agamic generation reported by Harrison (1930) from Co. Durham and Forfarshire. The sexual generation was described as forma *elianae*. Form *larshemi* Leeuwen and Dekhuijzen-Maasland (1958), was described as the sexual generation of *corruptrix* but is now believed to be *improprius* Bellido & Pujade-Villar, 2004, fide Folloit et al. (2004), who also produced the true sexual generation of *corruptrix* experimentally.

**Andricus ? cryptobius** Wachtl, 1880 -s-

**Distribution:** England
Notes: Added by Bowdrey (2015); an adult female was identified as this species by G. Melika with the proviso that it might be the sexual generation of a morphologically undescribed species known from DNA sequencing.

**Andricus curvator** Hartig, 1840 -s-

Nomenclature:
- *axillaris* (Hartig, 1840, *Cynips*) -s-
- *collaris* (Hartig, 1840, *Cynips*) -a-
- *roeselii* (Dahlbom, 1842, *Cynips*) (nom. nud.) -s-
- *dimidiatus* (Schenck, 1863, *Spathegaster*) -s-
- *fasciatus* Schenck, 1863 -a-
- *perfoliatus* Schenck, 1863 -s-
- *sulcata* (Förster, 1869, *Liodora*) -s-
- *fasciata* (Schlechtendal, 1870, *Cynips*) -a-
- *tegmentorum* (Schlechtendal, 1870, *Cynips*) -a-

**Distribution:** England, Scotland, Wales, Ireland, Isle of Man

**Andricus foecundatrix** (Hartig, 1840) -a-

Nomenclature:
- *Cynips foecundatrix* Hartig, 1840
- *fecundator* misspelling
- *quercusgemmae* (Linnaeus, 1758, *Cynips*)
- *gemmarum* Lacaze-Duthiers, 1853 -a-
- *gemmae* (Schenck, 1863, *Cynips*) -a
- *pilosus* Adler, 1881 -s-

**Distribution:** England, Scotland, Wales, Ireland, Isle of Man

**Andricus gemmeus** (Giraud, 1859) -a-

Nomenclature:
- *Cynips gemmea* Giraud, 1859
- *kirschbergi* (Wachtl, 1876, *Aphilothrix*) -a-
- *gemmae* Dalla Torre & Kieffer, 1910 -a-

**Distribution:** England
Notes: Added by Bowdrey (2009). Previously reported by Ormerod (see Cameron 1893), but reportedly as a leaf gall, so the record is suspect.

**Andricus ? gemmicola Kieffer, 1901**

**Distribution:** England

**Notes:** Gall recorded by Bagnall and Harrison (1919) and adult male possibly of this species by Eady and Quinlan (1963). Only the sexual generation is known, inducing bud galls of *Quercus robur*, collected in France (Dalla Torre and Kieffer 1910). Bagnall and Harrison (1918) mentioned this species from Great Britain but this record requires confirmation (Eady and Quinlan 1963). A species of uncertain status, type probably lost.

**Andricus glandulae** (Hartig, 1840) -a-

**Nomenclature:**

*Cynips glandulae* Hartig, 1840  
*xanthopsis* Schlechendal, 1884 -s-

**Distribution:** England, Scotland, Ireland

**Andricus grossulariae** Giraud, 1859 -s-

**Nomenclature:**

*mayri* (Wachtl, 1879, *Aphilothrix*) -a-  
*panteli* Kieffer, 1896 -a-  
*gemellus* Belizin & Maisuradze, 1961 -s-

**Distribution:** England

**Notes:** Added by Walker (2001a). Rearing experiments by Walker (2002) confirmed *grossulariae* to represent the sexual generation of a lifecycle also involving the asexual generation galls known as *mayri/ panteli*, a pairing also indicated by DNA sequence data (Stone et al. 2008).

**Andricus inflator** Hartig, 1840 -s-

**Nomenclature:**

*globuli* (Hartig, 1841, *Cynips*) -s-  
*inflatioides* Belizin & Maisuradze, 1962 -?-

**Distribution:** England, Scotland, Wales, Ireland
Andricus kollari (Hartig, 1843) -a-

Nomenclature:
Cynips kollari Hartig, 1843
lignicola auctt. misident.
quercusgemmae (Christ, 1791, Cynips) preocc. -a-
circulans Mayr, 1870 -s-

Distribution: England, Scotland, Wales, Ireland, Isle of Man

Notes: Nineteenth Century introduction (Adler and Stratton 1894; Niblett et al. 1932).

Andricus legitimus Wiebes-Rijks, 1980 -a-

Distribution: England

Andricus lignicolus (Hartig, 1840) -a-

Nomenclature:
Cynips lignicola Hartig, 1840
var. vanheurni van Leeuwen & Dekhuizen-Maasland, 1958 -s-

Distribution: England, Scotland, Wales, Ireland, Isle of Man

Andricus lucidus (Hartig, 1843) -a-

Nomenclature:
Cynips lucida Hartig, 1843
aestivalis Giraud, 1859 -s-
erinaceus (Kieffer, 1900, Adleria) -a-

Distribution: England

Notes: Added by Mosley (1892) from Yorkshire and by (Cameron 1893) from Loch Lomond (sexual form). Not recorded subsequently until reinstated as a British species, from London specimens, by Stone and Sunnocks (1992).

Andricus malpighii (Adler, 1881) -a-

Nomenclature:
Aphilothrix malpighii Adler, 1881
nudus Adler, 1881 -s-

Distribution: England, Scotland, Wales, Ireland
Notes: Nomenclature follows Pujade-Villar and Melika (2000).

**Andricus paradoxus** (Radoszkowski, 1866) -a-

Nomenclature:

- *Manderstjernia paradoxa* Radoszkowski, 1866
- *albipunctata* (Kaltenbach, 1867, *Cynips*) -a-
- *majalis* (Girauld, 1868, *Cynips*) preocc. -a-
- *albopunctata* (Schlechtendal, 1870, *Cynips*) -a-
- *lambertoni* Kieffer, 1897 -a-
- *albopunctatus f. barbotini* Folliot, 1964 -s-

Distribution: England, Scotland, Wales, Ireland

Notes: Taxonomy follows Melika et al. (2000).

**Andricus quadrilineatus** Hartig, 1840 -a-

Nomenclature:

- *ambiguus* Schenck, 1863 -a-
- *glabriusculus* Schenck, 1863 -a-
- *pedunculi* Schenck, 1863 -a-
- *verrucosus* Schenck, 1863 -a-
- *marginalis* (Schlechtendal, 1870, *Cynips*) -a-
- *4-lineata* (Thomson, 1877, *Cynips*) -a-
- *kiefferi* Pigeot, 1900 -s-
- *quadrilineatus f. kiefferi* Folliot, 1964 -s-

Distribution: England, Scotland, Wales, Ireland

Notes: Synonymy of *marginalis* and *quadrilineatus* established by Folliot (1964).

**Andricus quercuscalicis** (Burgsdorff, 1783) -a-

Nomenclature:

- *Cynips quercuscalicis* Burgsdorff, 1783
- *cerri* Beyerinck, 1896 -s-
- *beyerincki* Trotter, 1899 -s-

Distribution: England, Scotland, Wales, Ireland
**Andricus quercuscorticis** (Linnaeus, 1761) -a-

**Nomenclature:**
- *Cynips quercuscorticis* Linnaeus, 1761
- *corticis* (Hartig, 1840, *Cynips*) unjustified emendation -a-
- *brevicornis* (Hartig, 1841, *Cynips*) -s-
- *gemmatus* Adler, 1881 -s-
- *krajnovici* Tavares, 1901 -a-

**Distribution:** England, Scotland, Wales, Ireland, Isle of Man

**Andricus quercusradicis** (Fabricius, 1798) -a-

**Nomenclature:**
- *Cynips quercusradicis* Fabricius, 1798
- *noduli* Hartig, 1840 -s-
- *trilineatus* Hartig, 1840 -s-
- *parasiticus* (Hartig, 1841, *Neuroterus*) -s-
- *radicis* (Hartig, 1841, *Cynips*) unjustified emendation -a-
- *rugiscuta* Thomson, 1877 -s-

**Distribution:** England, Scotland, Wales, Ireland

**Andricus quercusramuli** (Linnaeus, 1761) -s-

**Nomenclature:**
- *Cynips quercusramuli* Linnaeus, 1761
- *autumnalis* (Hartig, 1840, *Cynips*) -a-
- *amentorum* (Hartig, 1843, *Teras*)
- *ramuli* Schenck, 1863 unjustified emendation -s-

**Distribution:** England, Scotland, Wales, Ireland

**Andricus rhyzomae** (Hartig, 1843) -a-

**Nomenclature:**
- *Cynips rhyzomae* Hartig, 1843
- *ionescui* Kierych, 1965 -a-

**Distribution:** England, Wales
Notes: Gall recorded by Bagnall and Harrison (1918) and Burkill (1933). Modern UK status uncertain. Galls of the sexual generation unconfirmed in Britain. See also under testaceipes.

**Andricus seminationis** (Giraud, 1859) -a-

**Nomenclature:**

*Cynips seminationis* Giraud, 1859

*inflorescentiae* (Schlechtendal, 1870, *Cynips*) -?-.

**Distribution:** England, Scotland, Wales

**Notes:** No sexual generation known.

**Andricus sieboldi** (Hartig, 1843) -a-

**Nomenclature:**

*Cynips sieboldi* Hartig, 1843

corticalis (Hartig, 1840, *Cynips*) -a-

*quercuscorticis* (Bechstein & Scharfenberg, 1805, *Cynips*) preocc. -a-

*occidentalis* Folliot, 1964 -a-

*sieboldi f. poissoni* Folliot, 1964 -s-

**Distribution:** England, Wales

**Notes:** *sieboldi f. poissoni* Folliot, 1964: sexual generation, produced experimentally.

**Andricus singularis** Mayr, 1870 -s-

**Nomenclature:**

* singulus * Mayr, 1881 -s-

**Distribution:** England

**Notes:** added by Jennings (2014)

**Andricus solitarius** (Boyer de Fonscolombe, 1832) -a-

**Nomenclature:**

* Diplolepis solitarius* Boyer de Fonscolombe, 1832

*ferruginea* (Hartig, 1840, *Cynips*) -a-

*occultus* Tschek, 1871 -s-

*gallaepyrrhiformis* (Olivier, 1791, *Diplolepis*) -a-
filigranata (Dettmer, 1925, Oncaspis) -s-
villarrubiae Tavares, 1930 -a-

Distribution: England, Scotland, Wales, Ireland

Andricus ? testaceipes Hartig, 1840 -s-

Nomenclature:
var. nodifex Kieffer, 1900 -s-

Distribution: England?

Notes: Maintained with a query; possibly the unconfirmed sexual generation of rhyzomae (q.v.). If specifically distinct, British records need confirmation. See Melika (2006a).

Genus Aphelonyx Mayr, 1881

Aphelonyx cerricola (Giraud, 1859) -a-

Nomenclature:
Cynips cerricola Giraud, 1859

Distribution: England

Notes: added by Crawley (1997)

Genus Biorhiza Westwood, 1840

Nomenclature:

APOPHYLLUS Hartig, 1840
TERAS Hartig, 1840 preocc.
PHILONIPS Walsh, 1864
HETEROBIUS Guérin-Méneville, 1865
DRYOTERAS Förster, 1869
HARTIGIA Rondani, 1871 preocc.

Biorhiza pallida (Olivier, 1791) -s-

Nomenclature:
Dipolepis pallidus Olivier, 1791
aptera (Bosc, 1791, Cynips) preocc. -a-
gallaealvaeriformis (D'Anthoine, 1794, Dipolepis) -s-
gallaecerebriformis (D’Anthoine, 1794, Diplolepis) -s-
quercusterminalis (Fabricius, 1798, Cynips) -s- 
terminalis (Hartig, 1840, Teras) unjustified emendation -s-
sieboldi (Stadelman, 1892, Andricus) preocc. -a-

**Distribution:** England, Scotland, Wales, Ireland, Isle of Man

**Genus Callirhytis Förster, 1869**

**Nomenclature:**

*EUSYMPHAGUS* Dettmer, 1930

**Notes:** Species of *Callirhytis* removed from the British and Irish list:

[glandium (Giraud, 1859, Andricus) -a-] Recorded by Rolfe (1881) and Askew (1959) but in error fide Eady and Quinlan (1963).

**Callirhytis bella (Dettmer, 1930) -s-**

**Nomenclature:**

*Eusymphagus bellus* Dettmer, 1930

**Distribution:** England, Wales, Ireland

**Callirhytis erythrocephala (Giraud, 1859) -a-**

**Nomenclature:**

*Andricus erythrocephala* Giraud, 1859

? *erythrosoma* Dettmer, 1933 -a-

*erythrostoma* Dettmer, 1933 -a-

*hartigi* Förster, 1869 -s- synonymy by Pujade-Villar et al. (2007)

**Distribution:** England, Wales

**Notes:** *Callirhytis hartigi* Förster, 1869 established as the sexual generation by Pujade-Villar et al. (2007), who produce evidence that *erythrosoma* may be a separate species.

**Genus Cynips Linnaeus, 1758**

**Nomenclature:**

*DIPLOLEPIS* misapplied

*DRYOPHANTA* Förster, 1869

**Notes:** Species of *Cynips* excluded from the British and Irish list:
[quercus (Fourcroy, 1785, Diplolepis) -a-; syn. pubescentis (Mayr, 1881, Dryophanta) -s-] Both generations reported by Bagnall and Harrison (1918), Bagnall and Harrison (1919) from several localities in Northumberland and Tyne & Wear, perhaps in error due to confusion with the similar quercusfolii. There are no subsequent records and the species requires confirmation as British.

**Cynips agama** Hartig, 1840 -a-

**Nomenclature:**

f. mailleti Folliot, 1964 -s-

**Distribution:** England, Scotland, Wales, Ireland

**Cynips disticha** Hartig, 1840 -a-

**Nomenclature:**

f. indistincta Niblett, 1948 -s-

**Distribution:** England, Scotland, Wales, Ireland

**Cynips divisa** Hartig, 1840 -a-

**Nomenclature:**

verrucosus (Schlechtendal, 1870, Spathegaster) -s-

**Distribution:** England, Scotland, Wales, Ireland

**Cynips longiventris** Hartig, 1840 -a-

**Nomenclature:**

similis (Adler, 1881, Spathegaster) -s-

f. substituta Kinsey, 1930 -s-

**Distribution:** England, Scotland, Wales, Ireland

**Cynips quercusfolii** Linnaeus, 1758 -a-

**Nomenclature:**

floriquercus Gleditsch, 1774 -a-

scutellaris (Olivier, 1791, Diplolepis) -a-

gallaecerasiformis D'Anthoine, 1794 -a-

gallaedunedoniformis (D'Anthoine, 1794, Diplolepis) -a-

flosculi (Giraud, 1868, Spathegaster) -s-

giraudi (Tschek, 1869, Spathegaster) -s-


taschenbergi (Schlechtendal, 1870, Spathegaster) -s-

**Distribution:** England, Scotland, Wales, Ireland

**Notes:** Galls of the sexual generation were recorded as *flosculi* by Bagnall and Harrison (1918); there appear to be no further records.

**Genus Dryocosmus Giraud, 1859**

**Notes:** Species of *Dryocosmus* removed from the British and Irish list:

[cerripilus Giraud, 1859 -a-] Galls recorded once by Fitch (1874); no further UK records.

[# Dryocosmus kuriphilus] Yasumatsu, 1951

**Distribution:** England

**Notes:** Added by Malumphy (2015), EPPO (2015). This highly invasive, East Asian species has spread across Europe and has recently been reported from Kent and Hertfordshire. As the UK has Protected Zone Status for this global pest, apparently successful attempts were made to eradicate *D. kuriphilus* at the two outbreak sites and it should not be formally added to the British list at this stage.

**Genus Neuroterus Hartig, 1840**

**Nomenclature:**

*SPATHEGASTER* Hartig, 1840

*AMERISTUS* Förster, 1869

*DOLICHOSTROPHUS* Ashmead, 1887

*NEOSPATHEGASTER* Kinsey, 1923

*DIPLOBIUS* Kinsey, 1923

*NEONEUROTERUS* Monzen, 1954

*REPENTINIA* Belizin & Maisuradze, 1961

**Notes:** Species of *Neuroterus* removed from the British and Irish list:

[punctatus (Bignell, 1892, Spathegaster)] Described by Bignell (1892), no subsequent records.

**Neuroterus albipes (Schenck, 1863) -s-**

**Nomenclature:**

*Spathegaster albipes* Schenck, 1863
*laeviusculus* Schenck, 1863 -a-
*pezizaeformis* Schlechtendal, 1870
*codinae* Tavares, 1928 -s-

**Distribution:** England, Scotland, Wales, Ireland, Isle of Man

**Notes:** Form ‘borealis’ described by Entwistle and Hails (1997).

*Neuroterus anthracinus* (Curtis, 1838) -a-

**Nomenclature:**

*Cynips anthracina* Curtis, 1838
*flavipes* (Boyer de Fonscolombe, 1832, *Diplolepis*) -a- nom. ob.
*ostrea* (Hartig, 1840, *Cynips*) -a-
*furunculus* Beyerinck, 1882 -s-

**Distribution:** England, Scotland, Wales, Ireland

**Notes:** Transferred from *Andricus* by Pujade-Villar et al. (1998).

*Neuroterus numismalis* (Geoffroy, 1785) -a-

**Nomenclature:**

*Cynips numismalis* Geoffroy, 1785
*numismatis* (Olivier, 1790, *Cynips*) -a-
*defectus* Hartig, 1840 -a-
*reaumuri* Hartig -a-
*quercustiarae* (Curtis, 1843, *Cynips*)
*nigricornis* Schenck, 1863 -a-
*vesicatrix* (Schlechtendal, 1870, *Cynips*) -s-
*vesicator* Hieronymus, 1890 -s-
*brunneus* Dettmer, 1925 -s-

**Distribution:** England, Scotland, Wales, Ireland

*Neuroterus politus* Hartig, 1840 -s-

**Nomenclature:**

*petioliventris* (Hartig, 1840, *Spathegaster*) -s-
*bipunctatus* Hartig, 1841 -s-
nitens Hartig, 1841 -a-
rubeculus Hartig, 1841 -a-
aprilinus (Giraud, 1859, Spathegaster) -s-
schlechtendali Mayr, 1870 -a-
burgundus (Schlechtendal, 1870, Andricus) preocc. -a-
schlechtendali Mayr, 1870 -a-

Distribution: England, Scotland, Ireland

**Neuroterus quercusbaccarum** (Linnaeus, 1758) -s-

Nomenclature:

*Cynips quercusbaccarum* Linnaeus, 1758
*quercuspedunculi* (Linnaeus, 1758, *Cynips*) -s-
baccarumquercus (Fourcroy, 1785, *Cynips*) -s-
pedunculiquercus (Fourcroy, 1785, *Cynips*) -s-
lenticularis (Olivier, 1791, *Diplolepis*) -a-
longipennis (Fabricius, 1793, *Cynips*) -a-
gallaelenticulae (D’Anthoine, 1794, *Diplolepis*) -a-
gallaepisiformis (D’Anthoine, 1794, *Diplolepis*) -s-
malpighii Hartig, 1840 -a-
interruptrix (Hartig, 1840, *Cynips*) -s-
interruptor (Hartig, 1841, *Spathegaster*) -s-
baccarum (Blanchard, 1849, *Cynips*) -s-
pedunculi (Duméril, 1860, *Diplolepis*) -s-
attenuatus Schenck, 1863 -a-
striatus Schenck, 1863 -a-
pseudodisticha (Küstenmacher, 1894, *Dryophanta*) -s-

Distribution: England, Scotland, Wales, Ireland, Isle of Man

**Neuroterus tricolor** (Hartig, 1841) -s-

Nomenclature:

*Spathegaster tricolor* Hartig, 1841
fumipennis Hartig, 1841 -a-
varius (Schenck, 1863, *Spathegaster*) -a-
Distribution: England, Scotland, Wales, Ireland

Genus *Plagiotrochus* Mayr, 1881

Nomenclature:

- *Fioria* Kieffer, 1903
- *Fioriella* Kiefer, 1903

# *Plagiotrochus australis* (Mayr, 1882) -a-

Nomenclature:

- *Dryocosmus australis* Mayr, 1882

Distribution: England, Wales

Notes: Added by Robbins (2007) based on old agamic gall only; subsequently found at Imperial Wharf and Royal Botanic Gardens, Kew, both London (D.G. Notton, pers. comm.). Galls introduced *Quercus ilex* and *Q. coccifera*.

*Plagiotrochus coriaceus* (Mayr, 1882) -a-

Nomenclature:

- *Andricus coriaceus* Mayr, 1882

Distribution: Wales

Notes: Added by Robbins (2007), based on old agamic gall only.

*Plagiotrochus quercusilicis* (Fabricius, 1798) -s-

Nomenclature:

- *Cynips quercusilicis* Fabricius, 1798
- *cocciferae* (Lichtenstein, 1877, *Andricus*) -s-
- *ilicis* (Lichtenstein, 1877, *Andricus*) -s-
- *emeryi* Mayr, 1882 -s-
- *fusifex* Mayr, 1882 -s-

Distribution: England

Notes: Added by Hancy and Hancy (2004). Added from sexual generation gall, adults reared. Recent records from Devon, Cornwall and Hampshire (Isle of Wight). Catkin galls reported by Biggs (2011) from Isle of Wight as *forma fusifex*, which has no taxonomic status.
Genus *Pseudoneuroterus* Kinsey, 1923

*Pseudoneuroterus saliens* (Kollar, 1857) -a-

**Nomenclature:**

*Cynips saliens* Kollar, 1857  
*saltans* (Giraud, 1859, *Neuroterus*) -a-  
*glandiformis* (Giraud, 1859, *Spathegaster*) -s-

**Distribution:** England

**Notes:** added by Redfern (2006)

Genus *Trigonaspis* Hartig, 1840

**Nomenclature:**

*XANTHOTERAS* Ashmead, 1897  
*BELIZINELLA* Kovatev, 1965  
*USSURASPIS* Kovalev, 1965

**Notes:** Species of *Trigonaspis* removed from the British and Irish list:

[synaspis (Hartig, 1841, *Apophyllus*) -a-; syn. *megapteropsis* Wriese, 1900 -s-]

Recorded by Bagnall and Harrison (1918) from the agamic gall; no further records.

*Trigonaspis megaptera* (Panzer, 1801) -s-

**Nomenclature:**

*crustalis* Hartig, 1840 -s-  
*renum* (Hartig, 1840, *Cynips*) -a-

**Distribution:** England, Scotland, Wales, Ireland

Tribe Diastrophini Nieves-Aldrey, Nylander & Ronquist, 2015

Genus *Diastrophus* Hartig, 1840

**Nomenclature:**

*GONASPIS* Ashmead, 1897

**Notes:** Species of *Diastrophus* removed from the British and Irish list:
The status of *mayri* as a British species appears to rest solely on three published references to the species: Cameron (1893), subsequently quoted in Connold (1909) and repeated by Swanton (1912). Nowhere does Cameron claim to have evidence of this species’ occurrence in Britain, merely comparing its gall to other British species of *Diastrophus* and *Xestophanes*. As there appear to be no genuine UK records it should therefore be excluded.

**Diastrophus rubi** (Bouché, 1834)

* Nomenclature:
  - *Cynips rubi* Bouché, 1834
  - *aphidivorius* Cameron, 1889
  - *hartigi* (Marshall, 1867, *Andricus*)

* Distribution: England, Wales, Ireland

**Genus Periclistus Förster, 1869**

**Periclistus brandtii** (Ratzeburg, 1831)

* Nomenclature:
  - *Cynips brandtii* Ratzeburg, 1831

* Distribution: England, Scotland, Wales

**Periclistus caninae** (Hartig, 1840)

* Nomenclature:
  - *Aylax caninae* Hartig, 1840
  - *germanus* (Schenck, 1863, *Aulax*)
  - *rosarum* Dettmer, 1925

* Distribution: England, Scotland, Ireland

**Periclistus *? spinosissimae* Dettmer, 1924**

* Distribution: England, Scotland, Wales, Ireland

*Notes:* Close to *caninae*, taxonomic status needs revision (note in *Fauna Europaea*).
Genus *Xestophanes* Förster, 1869

*Xestophanes brevitarsis* (Thomson, 1877)

Nomenclature:

- *Aulax brevitarsis* Thomson, 1877
- *tormentillae* Schlechtendal, 1880

Distribution: England, Scotland, Wales, Ireland

*Xestophanes potentillae* (Retzius, 1783)

Nomenclature:

- *Cynips potentillae* Retzius, 1783
- *brevicornis* (Curtis, 1838, *Cynips*) preocc.
- *splendens* (Hartig, 1840, *Aylax*)
- *laevigata* Schenck, 1863
- *abbreviatus* (Thomson, 1877, *Aulax*)
- *foveicollis* (Thomson, 1877, *Aulax*)

Distribution: England, Wales, Ireland, Isle of Man

Tribe Phanacidini Nieves-Aldrey, Nylander & Ronquist, 2015

Genus *Phanacis* Förster, 1860

Nomenclature:

- *GILLETTEA* Ashmead, 1897

*Phanacis caulicola* (Hedicke, 1939)

Nomenclature:

- *Aylax caulicola* Hedicke, 1939

Distribution: England, Wales

*Phanacis centaureae* (Förster, 1860)

Nomenclature:

- *Cynips centaureae* Förster, 1860
- *punctipleuris* (Thomson, 1877, *Aulax*)
- *karadagica* Diakontschuk, 1980
parvulus Diakontschuk, 1980

**Distribution:** England, Scotland

*Phanacis hypochoeridis* (Kieffer, 1887)

**Nomenclature:**
- *Aulax hypochoeridis* Kieffer, 1887
- *seriolae* Stefani, 1903

**Distribution:** England, Wales, Ireland, Isle of Man

*Phanacis* ?*taraxaci* (Ashmead, 1897)

**Nomenclature:**
- *Gillettea ?taraxaci* Ashmead, 1897

**Distribution:** England, Scotland

**Notes:** Galls recorded from Co. Durham (Bagnall 1917), Derbyshire (Fordham 1917), Northumberland (Bagnall 1917) and Scotland (Bagnall 1932). No recent records.

**Genus Timaspis** Mayr, 1881

**Notes:** Synonymised with *Phanacis* (Eady and Quinlan 1963); re-established by Nieves-Aldrey (1994) but Melika (2006a) again treated *Timaspis* as a synonym of *Phanacis*.

Species of *Timaspis* removed from the British and Irish list:
- *sonchi* (De Stefani, 1900, *Aulax*) Galls recorded from Norfolk and Surrey by Bagnall and Burkill (1935) but no recent records. Possibly confused in the literature with *Aulacidea follioti* which also galls *Sonchus asper* (Nieves-Aldrey 2001).

*Timaspis* ?*lampsanae* (Perris, 1873)

**Distribution:** England

**Notes:** Galls recorded in Norfolk and Derbyshire by Bagnall and Harrison (1934).

*Timaspis lusitanica* (Tavares, 1904)

**Nomenclature:**
- *Timaspis lusitanica* Tavares, 1904

**Distribution:** England

**Notes:** added by Jennings (2005)
Tribe Diplolepidini Latreille, 1802

Nomenclature:

RHODITINI Hartig, 1840

Genus Diplolepis Geoffroy, 1762

Nomenclature:

RHODITES Hartig, 1840
HOLOLEXIS Förster, 1869
TRIBALIA Walsh, 1864
LYTORHODITES Kieffer, 1902
NIPPORHODITES Sakugami, 1949

Diplolepis eglanteriae (Hartig, 1840)

Nomenclature:

Rhodites eglanteriae Hartig, 1840
rufipes (Förster, 1869, Hololexis)

Distribution: England

Notes: Galls not distinguishable from those of the smooth form of nervosa; records from Scotland, Wales and the Isle of Man are based on galls only.

Diplolepis mayri (Schlechtendal, 1877)

Nomenclature:

Rhodites mayri Schlechtendal, 1877
orthospinae (Beijerinck, 1883, Rhodites)

Distribution: England

Diplolepis nervosa (Curtis, 1838)

Nomenclature:

Cynips nervosa Curtis, 1838

centifoliae (Hartig, 1840, Rhodites) synonymy by Pujade-Villar and Plantard (2002)

Distribution: England
dispar (Niblett, 1943, Rhodites)

**Distribution:** England, Wales

*Diploepis rosae* (Linnaeus, 1758)

**Nomenclature:**
- *Cynips rosae* Linnaeus, 1758
- *bedeguaris* Fourcroy, 1785

**Distribution:** England, Scotland, Wales, Ireland, Isle of Man

*Diploepis spinosissimae* (Giraud, 1859)

**Nomenclature:**
- *Rhodites spinosissimae* Giraud, 1859
- *rosae-spinosissimae* (Inchbald, 1861, *Cynips*)

**Distribution:** England, Scotland, Wales, Ireland, Isle of Man

**Tribe Synergini Ashmead, 1896**

**Notes:** Taxonomy follows Pujade-Villar et al. (2003).

**Genus Saphonecrus Dalla Torre & Kieffer, 1910**

*Saphonecrus connatus* (Hartig, 1840)

**Nomenclature:**
- *Synergus connatus* Hartig, 1840
- *erythroneurus* (Hartig, 1840, *Synergus*)

**Distribution:** England, Scotland, Ireland

**Genus Synergus Hartig, 1840**

**Nomenclature:**
- SAPHOLYTUS Förster, 1869

**Notes:** Species of *Synergus* removed from the British and Irish list:

*hayneanus* (Ratzeberg, 1833, *Cynips*) Added by Morley (1931); specimen in his collection at Ipswich Museum redetermined as umbraculus (Eady 1952).
Synergus *apicalis* Hartig, 1841

Distribution: England, Scotland

Synergus *clandestinus* Eady, 1952

Distribution: England, Wales, Ireland

Synergus *consobrinus* Giraud, 1911

Distribution: England

Notes: Added by Jennings (2017); identified by G. Melika.

Synergus *crassicornis* (Curtis, 1838)

Nomenclature:

*Cynips crassicornis* Curtis, 1838

evanescent Mayr, 1872

*fidelis* Tavares, 1920

*carinulatus* Dettmer, 1924

Distribution: England, Wales, Ireland

Synergus *facialis* Hartig, 1840

Nomenclature:

*gallaepomiformis* misident.

Distribution: England, Scotland, Wales, Ireland

Notes: This species has hitherto been known as *S. gallaepomiformis* in Britain but it was shown in Pujade-Villar (2005) that this name refers to another species (of *Saphonecrus*) and the widespread species should be called *facialis*. Melika (2006a) proposed that *gallaepomiformis* (Boyer de Fonscolombe, 1832, *Diplolepis*) should be retained as the valid name but did not make an application to ICZN to overturn the type designation of *gallaepomiformis*.

Synergus *incrassatus* Hartig, 1840

Nomenclature:

*bipunctatus* Hartig, 1841

*crassicornis* Hartig, 1843 preocc.

Distribution: England, Scotland, Wales, Ireland
**Synergus pallicornis** Hartig, 1841

**Nomenclature:**

*pallidicornis* Dalla Torre, 1893

**Distribution:** England, Wales, Ireland

**Synergus pallidipennis** Mayr, 1872

**Distribution:** England, Wales

**Synergus pallipes** Hartig, 1840

**Nomenclature:**

*flavicorhina* Hartig, 1840  
nervosus Hartig, 1840  
nigripes Hartig, 1840  
albipes Hartig, 1841  
erythrocerus Hartig, 1841  
variolosus Hartig, 1841  
avarius Hartig, 1841  
xanthocerus Hartig, 1841  
tscheki Mayr, 1872  
tristis Mayr, 1873  
hartigi Giraud, 1911  
fulvipes Dettmer, 1924  
mutabilis Dettmer, 1924

**Distribution:** England, Wales, Ireland

**Synergus radiatus** Mayr, 1872

**Distribution:** England

**Synergus reinhardi** Mayr, 1872

**Distribution:** England, Scotland, Wales, Ireland

**Synergus ruficornis** Hartig, 1840

**Distribution:** England, Ireland
**Synergus thaumacerus** (Dalman, 1823)

**Nomenclature:**

- *Cynips thaumacera* Dalman, 1823
- *klugii* Hartig, 1840
- *carinatus* Hartig, 1841
- *testaceus* (Hartig, 1841, *Xystus*)
- *thaumatocerus* Dalla Torre 1893 unjustified emendation
- *inflatus* Giraud, 1911
- *vesiculosus* Giraud, 1911
- *inflatus* Dettmer, 1924 preocc.

**Distribution:** England

**Synergus tibialis** Hartig, 1840

**Nomenclature:**

- *erythrostomus* Hartig, 1841
- *immarginatus* Hartig, 1841
- *rotundiventris* Mayr, 1872

**Synergus umbraculus** (Olivier, 1791)

**Nomenclature:**

- *Dipolepis umbraculus* Olivier, 1791
- *gallaeumbraculatae* (D'Anthoine, 1794, *Dipolepis*)
- *rufipes* (Boyer de Fonscolombe, 1832, *Dipolepis*)
- *orientalis* Hartig, 1841
- *melanopus* Hartig, 1843
- *socialis* Kollar, 1843
- *punctatus* Dettmer, 1924 preocc.

**Distribution:** England, Scotland, Wales, Ireland

**Synergus variabilis** Mayr, 1872

**Nomenclature:**

- *cerridis* Giraud, 1911
- *conformis* Giraud, 1911
cerricolus Vassileva-Samnalieva, 1986

**Distribution:** England

**Notes:** Added by Chinery & Williams in Melika (2006a).

### Figitidae

**Family Figitidae Hartig, 1840**

**Notes:** Some Irish records from O’Connor et al. (2003).

**Subfamily Anacharitinae Thomson, 1862**

**Nomenclature:**
- MEGAPELMINAE Förster, 1869
- ACANTHAEGILIPINAE Kovalev, 1979 synonymy by Ronquist (1999)
- PROANACHARITINAE Kovalev, 1979 synonymy by Ronquist (1999)

**Notes:** Synonymy follows Fergusson (1986) except where otherwise noted.

### Genus Aegilips Haliday in Walker, 1835

**Aegilips atricornis Fergusson, 1985**

**Distribution:** England, Ireland

**Notes:** added by Fergusson (1985)

**Aegilips nitidula (Dalman, 1823)**

**Nomenclature:**
- *Cynips nitidula* Dalman, 1823
- *fumipennis* (Westwood, 1833, *Anacharis*)
- *rufipes* (Westwood, 1833, *Anacharis*)
- *dalmani* Reinhard, 1860
- *rugicollis* Reinhard, 1860
- *ruficornis* Cameron, 1883
- *striolata* Cameron, 1883
- *bicolorata* Cameron, 1887
**Distribution:** England, Ireland, Isle of Man

*Aegilips romseyensis* Fergusson, 1985

**Distribution:** England

**Notes:** added by Fergusson (1985)

*Aegilips vena* Fergusson, 1985

**Distribution:** England, Scotland

**Notes:** added by Fergusson (1985)

Genus *Anacharis* Dalman, 1823

**Nomenclature:**

- *MEGAPELMUS* Hartig, 1840
- *SYNAPSIS* Förster, 1869 preocc.
- *PROSYNAPSIS* Dalle Torre & Kieffer, 1910

*Anacharis eucharoides* (Dalman, 1818)

**Nomenclature:**

- tinctus Walker, 1835
- typica Walker, 1835
- petiolata (Zetterstedt, 1838, *Cynips*)
- spheciformis (Hartig, 1840, *Megapelmus*)
- eucharioides misspelling

**Distribution:** England, Ireland

*Anacharis immunis* Walker, 1835

**Nomenclature:**

- ensifer Walker, 1835
- rufiventris (Hartig, 1841, *Megapelmus*)
- staegeri Dahlbom, 1842
- aquisgranensis (Förster, 1869, *Synapsis*)

**Distribution:** England, Ireland
Genus *Xyalaspis* Hartig, 1843

**Nomenclature:**

*CONASPICERA* Hedike, 1914

**Notes:** Western Palaearctic species were revised by Mata-Casanova et al. (2015).

*Xyalaspis armata* (Giraud, 1860)

**Nomenclature:**

*Aegilips armatus* Giraud, 1860

*abietina* (Giraud, 1860, *Aegilips*)

*scotica* (Cameron, 1883, *Aegilips*)

**Distribution:** England, Scotland, Ireland

*Xyalaspis petiolata* Kieffer, 1901

**Nomenclature:**

*subulifera* misident.

**Distribution:** England, Scotland, Ireland

Subfamily Aspicerinae Dalla Torre & Kieffer, 1910

**Nomenclature:**

*ONYCHIINAE* Thomson, 1862

Genus *Aspicera* Dahlbom, 1842

**Nomenclature:**

*ONYCHIA* Haliday in Curtis, 1829 preocc.

*BELLONA* Giraud, 1860

*Aspicera scutellata* (Villers, 1789)

**Nomenclature:**

*Tenthredo scutellata* Villers, 1789

*edilogaster* (Rossi, 1790, *Evania*)

*bicolor* (Boyer de Fonscolombe, 1832, *Figites*)

*aculeator* (Boyer de Fonscolombe, 1832, *Figites*)

*ruficollis* Kieffer, 1907 (*Aspicera scutellata* var.)
Distribution: Ireland

Notes: After the taxonomic changes in the revision by Ros-Farré and Pujade-Villar (2013) it is not entirely certain which nominal species is present in the British material. The authors cite *scutellata* as British but with a reference to Fergusson (1986), thus not based on reexamination of specimens.

**Genus Callaspidia Dahlbom, 1842**

Notes: Nomenclature follows Ros-Farré and Pujade-Villar (2009).

**Callaspidia defonscolombei Dahlbom, 1842**

Nomenclature:

- *westwoodi* Dahlbom, 1842
- *nigripes* (Cameron, 1879, Onychia)
- *dufouri* Giraud, 1860
- *fonscolombei* Dahlbom, 1856 unjustified emendation
- *provancheri* Ashmead, 1887
- *striolata* (Cameron, 1888, Onychia)
- *areolata* (Kieffer, 1901, Onychia)
- *rubricus* Dettmer, 1924
- *vitripennis* (Kieffer, 1901, *Onychia dufouri* var.)
- *minima* (Kieffer, 1901, *Onychia fonscolombei* var.)

Distribution: England, Ireland

**Genus Melanips Haliday in Walker, 1835**

Nomenclature:

- *SCYTODES* Hartig, 1840 preocc.
- *AMBLYNOTUS* Hartig, 1843
- *ANOLYTUS* Förster, 1869

Notes: Transferred from Figitinae to Aspicerinae by Buffington et al. (2007).

Synonymy follows Fergusson (1986).

**Melanips alienus* Giraud, 1860**

Nomenclature:
opacus misident.

dalmanni (Dahlbom, 1842, Figites) nom. nud.

longitarsus (Reinhard, 1860, Amblynotus)

**Distribution:** England, Ireland

**Melanips microcerus (Kieffer, 1903)**

**Nomenclature:**

Amblynotus microcerus Kieffer, 1903

**Distribution:** England, Ireland

**Melanips opacus (Hartig, 1840)**

**Nomenclature:**

Scytodes opacus Hartig, 1840

femoralis Cameron, 1883

**Distribution:** England, Ireland

**Melanips sylvanus Giraud, 1860**

**Nomenclature:**

rufipes Förster, 1869

biusta (Cameron, 1879, Omalaspis)

**Distribution:** England, Scotland, Wales, Ireland

**Genus Omalaspis Giraud, 1860**

**Nomenclature:**

TAVARESIA Kieffer, 1901

LAMBERTONIA Kieffer, 1901

**Omalaspis carinata (Kieffer, 1901)**

**Nomenclature:**

Tavaresia carinata Kieffer, 1901

**Distribution:** Wales

**Subfamily Charipinae Dalla Torre & Kieffer, 1910**

**Nomenclature:**
ALLOTRIINAE Thomson, 1862 unavailable
ALLOXYSTINAE Hellén, 1931
DILYTINI Kierych, 1979
LYTOXYSTINAE Kovalev, 1994

Notes: Except where noted, nomenclature follows Menke and Evenhuis (1991) and Ferrer-Suay et al. (2012d). Further taxonomic changes have been made in a series of papers by Ferrer-Suay and colleagues (Ferrer-Suay et al. 2012a, Ferrer-Suay et al. 2012b, Ferrer-Suay et al. 2012c, Ferrer-Suay et al. 2013a, Ferrer-Suay et al. 2013b, Ferrer-Suay et al. 2013c, Ferrer-Suay et al. 2014a, Ferrer-Suay et al. 2015, Ferrer-Suay et al. 2013d, Ferrer-Suay et al. 2014b). Tribal subdivisions have been abandoned following Paretas-Martínez et al. (2007), who found that Alloxystini was paraphyletic with respect to Charipini. Some Welsh occurrence records from Baker (2013).

Genus Alloxysta Förster, 1869

Nomenclature:

ALLOTRIA Westwood, 1833 preocc.
XYSTUS Hartig, 1840 preocc.
PEZOPHYCTA Förster, 1869
NEPHYCTA Förster, 1869
ADELIXYSTA Kierych, 1988
CARVERCHARIPS Kovalev, 1994

Notes: Quinlan (1978a) listed 36 Alloxysta species for Britain and Ireland, which Fergusson (1986) reduced to 11, mainly through synonymy. However, Fergusson did not work with much reared material and Evenhuis (1985) and Müller et al. (1999) have adopted much narrower species limits than Fergusson, an approach borne out by FVV’s work on the biology and taxonomy of the genus (see Van Veen et al. 2003).

species of Alloxysta excluded from the British and Irish list:

[flavicornis (Hartig, 1841, Xystus) incertae sedis]
[uullrichi (Giraud, 1860, Allotria) incertae sedis; ullerichi misspelling]

These species were listed by Quinlan (1978a) but not recognised as British or Irish by Fergusson (1986) and not found by FVV.

Alloxysta species of uncertain status:

[ignorata (Kleffer, 1900, Dilyta) nom. dub.] Listed by Fergusson (1986) as a synonym of macrophadnus, the type material of ignorata has not been located and it has not been possible to interpret the name (Ferrer-Suay et al. 2012b).
**Alloxysta abdera** Fergusson, 1986

**Distribution:** England

**Notes:** added by Fergusson (1986)

**Alloxysta apteroidea** Hellén, 1963

**Distribution:** England

**Notes:** Det. Van Veen, added here. The species identified as *brachyptera* by Müller et al. (1999) is actually *apteroidea*, although the true *brachyptera* has also been found in Silwood Park.

**Alloxysta arcuata** (Kieffer, 1902)

**Nomenclature:**

*Allotria arcuata* Kieffer, 1902

*minuta* misident.

*ligustri* Evenhuis, 1976

**Distribution:** Scotland, Wales

**Notes:** Raised from synonymy with *brevis* by Ferrer-Suay et al. (2012a).

**Alloxysta basimacula** (Cameron, 1886)

**Nomenclature:**

*Allotria basimacula* Cameron, 1886

*caledonica* (Cameron, 1886, *Allotria*)

*perplexa* (Cameron, 1889, *Allotria*)

**Distribution:** Scotland

**Notes:** Raised from synonymy with *macrophadnus* by Ferrer-Suay et al. (2013).

**Alloxysta brachyptera** (Hartig, 1840)

**Nomenclature:**

*Xystus brachypterus* Hartig, 1840

**Distribution:** England, Scotland, Wales, Ireland
*Alloxysta brevis* (Thomson, 1862)

**Nomenclature:**

*Allotria brevis* Thomson, 1862  
*minuta* misident.

**Distribution:** England

*Alloxysta castanea* (Hartig, 1841)

**Nomenclature:**

*Xystus castaneus* Hartig, 1841  
*melanogaster* misident.  
*maculicollis* (Cameron, 1886, *Allotria*)  
*ruficollis* (Cameron, 1883, *Allotria*)  
*ruficeps* (Cameron, 1883, *Allotria*) preocc.  
*megaptera* (Cameron, 1889, *Allotria*)  
*dubia* Kieffer, 1902 (*Alloxysta erythrothorax* var.)  
*rubriceps* (Kieffer, 1902, *Allotria*)  
*semiclausia* Kieffer, 1904  
*pruni* (Hedicke, 1928, *Charips*)  
*defecta* (Hartig, 1841, *Xystus*)  
*nigriventris* (Thomson, 1862, *Allotria*)

**Distribution:** England, Wales

**Notes:** Synonymised with *fulviceps* by Fergusson (1986) but treated as a valid species by Ferrer-Suay et al. (2012b) following the advice of FVV. *Allotria ruficollis* is listed as a synonym of *fulviceps* in Fauna Europaea (Noyes et al. 2004), following alternate synonymisations under *erythrothorax* (Quinlan 1974) and *castanea* (Evenhuis 1982). In Müller et al. (1999) this was recorded as ‘*Alloxysta f1*’.

*Alloxysta circumscripta* (Hartig, 1841)

**Nomenclature:**

*Xystus circumscriptus* Hartig, 1841

**Distribution:** England

**Notes:** Synonymised under *victrix* by Fergusson (1986) but this has not been supported by other workers (Menke and Evenhuis 1991, Van Veen et al. 2003).
**Alloxysta citripes** (Thomson, 1862)

**Nomenclature:**

*Allotria citripes* Thomson, 1862  
*britannica* Kieffer, 1902 (*Alloxysta citripes* var.)  
*albipes* (Kieffer, 1904, *Allotria*)  
*brevicella* Belizin, 1966 synonymy by Ferrer-Suay et al. (2012b)

**Distribution:** England, Wales

**Alloxysta consobrina** (Zetterstedt, 1838)

**Nomenclature:**

*Cynips consobrina* Zetterstedt, 1838  
*fuscicornis* (Hartig, 1841, *Xystus*) synonymy by Ferrer-Suay et al. (2013b)  
*ancylocera* (Cameron, 1886, *Allotria*)  
*brassicae* (Ashmead, 1887, *Allotria*)  
*infuscata* (Kieffer, 1902, *Allotria*)  
*aphidae* (Froggatt, 1904, *Hypodiranchis*)  
*grioti* (De Santis, 1937, *Charips*)

**Distribution:** England

**Notes:** Synonymised under *victrix* by Fergusson (1986) but raised from synonymy by Menke and Evenhuis (1991), a result supported by Van Veen et al. (2003).

**Alloxysta crassa** (Cameron, 1889)

**Nomenclature:**

*Allotria crassa* Cameron, 1889

**Distribution:** Scotland

**Notes:** Raised from synonymy with *macrophadnus* by Ferrer-Suay et al. (2013).

**Alloxysta cursor** (Hartig, 1840)

**Nomenclature:**

*Xystus cursor* Hartig, 1840  
*castanea* (Kieffer, 1904, *Pezophycta*) preocc.

**Distribution:** England
Notes: Considered a nomen dubium in Ferrer-Suay et al. (2014) but Evenhuis (1982) studied the type and subsequently identified British specimens as belonging to this taxon, so we see no problem with considering it a valid British species. It was listed as castanea in Quinlan (1978a) but not mentioned by Fergusson (1986) and then recorded again by Müller et al. (1999).

Alloxysta erythrothorax (Hartig, 1840)

Nomenclature:

Xystus erythrothorax Hartig, 1840
trapezoidea misident.
defecta (Hartig, 1841, Xystus)
nigriventris (Thomson, 1862, Allotria)

Distribution: England, Scotland

Notes: Removed from synonymy with fulviceps by Pujade-Villar et al. (2011).

Alloxysta halterata (Thomson, 1862)

Nomenclature:

Allotria halterata Thomson, 1862

Distribution: England

Notes: Synonymised under pedestris by Fergusson (1986) but considered here to be a valid species (Ferrer-Suay et al. 2012b).

Alloxysta leunisii (Hartig, 1841)

Nomenclature:

Xystus leunisii Hartig, 1841

Distribution: England, Wales

Notes: added by Van Veen et al. (2003)

Alloxysta macrophadnus (Hartig, 1841)

Nomenclature:

Xystus macrophadnus Hartig, 1841
testacea misident.
aptera misident.
brachyptera misident.
fuscipes misident.
nigriventris misident.
macrohadna misspelling
filicornis (Cameron, 1889, Allotria)
scutellata Kieffer, 1902
rubromaculata Kieffer, 1902 (Alloxysta nigriventris var.)

**Distribution:** England, Scotland, Wales

**Notes:** Alloxysta testacea is recorded as a misidentification of *macrohadna* by Fergusson (1986) but erroneously listed as a valid species, occurring in Britain, in *Fauna Europaea* (Noyes et al. 2004), but with the comment that the species might be synonymous with *pleuralis*.

**Alloxysta marshalliana** (Kieffer, 1900)

**Nomenclature:**

*Nephycia marshalliana* Kieffer, 1900

**Distribution:** Scotland

**Notes:** Synonymised under *macrohadna* by Fergusson (1986) but considered here to be a valid species (Ferrer-Suay et al. 2012b, following pers. comm. by FVV).

**Alloxysta mullensis** (Cameron, 1883)

**Nomenclature:**

*Allotria mullensis* Cameron, 1883

**Distribution:** Scotland

**Notes:** Raised from synonymy with *brevis* by Ferrer-Suay et al. (2012a).

**Alloxysta nigrita** (Thomson, 1862)

**Nomenclature:**

*Allotria nigrita* Thomson, 1862

**Distribution:** Wales

**Notes:** added by Baker (2013)
Alloxysta obscurata (Hartig, 1840)

**Nomenclature:**
- *Xystus obscuratus* Hartig, 1840
- *homotoma* Kieffer, 1904 (*Alloxysta ullrichi* var.)

**Distribution:** England

**Notes:** det. Van Veen, added here.

Alloxysta pallidicornis (Curtis, 1838)

**Nomenclature:**
- *Cynips pallidicornis* Curtis, 1838
- *minuta* (Zetterstedt, 1838, *Cynips*)
- *forticornis* (Giraud, 1860, *Allotria*)
- *basalis* (Thomson, 1862, *Allotria*)
- *anthracina* Andrews, 1978

Alloxysta pedestris (Curtis, 1838)

**Nomenclature:**
- *Cynips pedestris* Curtis, 1838

**Distribution:** England, Wales, Ireland

Alloxysta piceomaculata (Cameron, 1883)

**Nomenclature:**
- *Allotria piceomaculata* Cameron, 1883

**Distribution:** Scotland, Wales

**Notes:** Raised from synonymy with *macrophadnus* by Ferrer-Suay et al. (2013).

Alloxysta pilipennis (Hartig, 1840)

**Nomenclature:**
- *Xystus pilipennis* Hartig, 1840
- *flavicornis* (Hartig, 1841, *Xystus*) synonymy by Ferrer-Suay et al. (2014)

**Distribution:** England

**Notes:** J. Pujade-Villar (pers. comm.) has seen English material.
Alloxysta pleuralis (Cameron, 1879)

**Nomenclature:**
- *Allotria pleuralis* Cameron, 1879
- *unicolor* (Kieffer, 1902, *Alloxysta pusilla* var.)
- *gautieri* Kieffer, 1922

**Distribution:** England, Scotland, Ireland

Alloxysta pusilla (Kieffer, 1902)

**Nomenclature:**
- *Allotria pusilla* Kieffer, 1902

**Distribution:** England

**Notes:** added by Sanders and Van Veen (2010)

Alloxysta ramulifera (Thomson, 1862)

**Nomenclature:**
- *Allotria ramulifera* Thomson, 1862
- *minuta* (Hartig, 1840, *Xystus*)
- *discreta* ( Förster, 1869, *Nephycta*)
- *parvicellula* (Kieffer, 1904, *Allotria*)

**Distribution:** England

**Notes:** added by Müller et al. (1999)

Alloxysta semiaperta Fergusson, 1986

**Distribution:** England, Ireland

**Notes:** added by Fergusson (1986)

Alloxysta tscheki (Giraud, 1860)

**Nomenclature:**
- *Allotria tscheki* Giraud, 1860

**Distribution:** England

**Notes:** Excluded from the British and Irish list by Fergusson (1986) but reinstated by Van Veen et al. (2003).
**Alloxysta victrix** (Westwood, 1833)

**Nomenclature:**

- *Allotria victrix* Westwood, 1833
- *fulviceps* (Curtis, 1838, *Cynips*)
- *ruficeps* (Zetterstedt, 1838, *Cynips*)
- *erythrocephalus* (Hartig, 1840, *Xystus*)
- *tritici* (Fitch, 1861, *Allotria*)
- *macrocera* (Thomson, 1877, *Allotria*)
- *amygdali* (Buckton, 1879, *Cynips*) nom. nud.
- *atriceps* (Buckton, 1879, *Cynips*)
- *curvicornis* (Cameron, 1883, *Allotria*)
- *lateralis* (Kieffer, 1902, *Allotria luteicornis var.*)
- *luteiceps* (Kieffer, 1902, *Allotria victrix var.*)
- *luteicornis* (Kieffer, 1902, *Allotria*)
- *areolata* (Kieffer, 1909, *Charips*)
- *grandicornis* (Kieffer, 1904, *Allotria*)
- *io* (Girault, 1932 *Sarorthrus*)

**Distribution:** England, Scotland, Wales

**Genus Apocharis** Fergusson, 1986

**Apocharis trapezoidea** (Hartig, 1841)

**Nomenclature:**

- *Xystus trapezoideus* Hartig, 1841
- *xanthocephala* (Thomson, 1862, *Allotria*)

**Distribution:** England, Wales

**Genus Dilyta** Förster, 1869

**Nomenclature:**

- *CHARIPS* Haliday in Marshall, 1870
- *GLYPTOXYSTA* Thomson, 1877
- *DYLITA* misspelling
**Dilyta subclavata Förster, 1869**

**Nomenclature:**
- *microcera* (Haliday, 1870, Charips)
- *heterocera* (Thomson, 1877, Glyptoxysta)
- *talitzkii* (Belizin, 1966, Glyptoxysta) synonymy by Paretas-Martínez et al. (2011)

**Distribution:** England, Scotland, Wales

**Genus Phaenoglyphis Förster, 1869**

**Nomenclature:**
- *HEMICRISIS* Förster, 1869
- *AULOXYSTA* Thomson, 1877
- *BOTHRIOXYSTA* Kieffer, 1902
- *CHARIPSELLA* Bréthes, 1913

**Notes:** Fergusson (1986) established *Hemicrisis* (including only *rufiginis*) as a synonym of *Phaenoglyphis*, it was then raised from synonymy by Ronquist (1999) only to be synonymised again with *Phaenoglyphis* by Pujade-Villar and Paretas-Martinez (2006).

**Phaenoglyphis dolichocera** (Cameron, 1889)

**Nomenclature:**
- *Allotria dolichocera* Cameron, 1889

**Distribution:** England, Ireland

**Phaenoglyphis longicornis** (Hartig, 1840)

**Nomenclature:**
- *Xystus longicornis* Hartig, 1840

**Distribution:** Wales

**Notes:** Listed by Quinlan (1978a) as a species of *Alloxysta*, not mentioned by Fergusson (1986), then recorded as British by Baker (2013) based on specimens identified by M. Ferrer-Suay.

**Phaenoglyphis ruficornis** (Förster, 1869)

**Nomenclature:**
- *Hemicrisis ruficornis* Förster, 1869
**Distribution:** England, Wales

**Notes:** *Phaenoglyphis pubicollis* (Thomson, 1877, *Allotria*) was resurrected as a valid species by Pujade-Villar and Paretas-Martínez (2006). The authors did not examine material from a wide range but state that *pubicollis* 'is only represented by type material', implying that the real *ruficornis* is the widespread one.

**Phaenoglyphis salicis** (Cameron, 1883)

**Nomenclature:**

- *Allotria salicis* Cameron, 1883
- *forticornis* Cameron, 1888

**Distribution:** England, Wales

**Phaenoglyphis villosa** (Hartig, 1841)

**Nomenclature:**

- *Xystus villosus* Hartig, 1841
- *piciceps* (Thomson, 1862, *Allotria*)
- *collina* (Cameron, 1889, *Allotria*)
- *ambrosiae* (Ashmead, 1898, *Allotria*)
- *carpentieri* (Kieffer, 1902, *Allotria*)
- *foveigera* (Kieffer, 1902, *Allotria*)
- *curvata* (Kieffer, 1902, *Allotria*)
- *recticornis* (Kieffer, 1902, *Allotria*)
- *subaptera* (Kieffer, 1904, *Alloxysta*)
- *campyla* (Kieffer, 1904, *Alloxysta*)
- *necans* (Kieffer, 1909, *Glyptoxysta*)
- *numidica* (Kieffer, 1909, *Bothrioxysta*)
- *bifoveata* (Girault, 1931, *Glyptoxysta*)
- *islandica* (Hellén, 1931, *Alloxysta*)
- *flavipes* (Ionescu, 1963 *Charips*)

**Distribution:** England, Wales

**Phaenoglyphis xanthochroa** Förster, 1869

**Nomenclature:**

- *rufa* (Thomson, 1877, *Allotria*)
obfuscata Kieffer, 1901

**Distribution:** England

**Subfamily Eucoilinae Thomson, 1862**

**Notes:** Eucoilinae has been a subfamily of Figitidae rather than a family of its own since Ronquist (1999). Tribal classification follows Forshage and Nordlander (2008). Synonymy and distribution data taken from Quinlan (1978b) and Nordlander (1978), Nordlander (1980), Nordlander (1981), Forshage and Nordlander (2008), supplemented by *Fauna Europaea* (Noyes et al. 2004) and MF’s identifications of material in BMNH. Some Irish records from O’Connor (2004).

**Tribe Diglyphosematini Belizin, 1961**

**Genus Diglyphosema Förster, 1869**

*Diglyphosema conjungens Kieffer, 1904*

**Distribution:** England, Wales, Ireland

**Genus Disorygma Förster, 1869**

**Nomenclature:**

ECTOLYTA Förster, 1869

ERISPHAGIA Förster, 1869

*Disorygma curtum* (Giraud, 1860)

**Nomenclature:**

*Eucoila curta* Giraud, 1860

**Distribution:** England

*Disorygma depile* (Giraud, 1860)

**Nomenclature:**

*Eucoila depilis* Giraud, 1860

*incrassata* (Thomson, 1862, *Cothonaspis*)

divulgata Förster, 1869

**Distribution:** England, Ireland
Genus *Microstilba* Förster, 1869

*Microstilba striolata* Kieffer, 1901

**Nomenclature:**

*heterogena* (Giraud, 1860, *Eucoila*) auctt., sensu Cameron

**Distribution:** Scotland

**Notes:** Supposed English specimens in BMNH are all *Disorygma curtum* (det. MF).

**Tribe Eucoilini Thomson, 1862**

Genus *Eucoila* Westwood, 1833

**Nomenclature:**

*EUCOELA* Agassiz, 1846

*LYTOSEMA* Kieffer, 1901

*PSILODORA* Förster, 1869

*Eucoila crassinerva* Westwood, 1833

**Nomenclature:**

*boyenii* (Hartig, 1840, *Cothonaspis*)

*intermedia* (Kieffer, 1901, *Psilodora*)

**Distribution:** England, Scotland, Ireland

*Eucoila maculata* (Hartig, 1840, *Cothonaspis*)

**Nomenclature:**

*Cothonaspis maculatus* Hartig, 1840

*guerini* Dahlbom, 1842

*brevialata* Belizin, 1973

**Distribution:** England, Scotland

Genus *Leptopilina* Förster, 1869

**Notes:** Synonymy from Nordlander (1980).
**Leptopilina clavipes** (Hartig, 1841)

**Nomenclature:**

*Cothonaspis clavipes* Hartig, 1841

**Notes:** BMNH, det. Forshage, added here.

**Leptopilina fimbriata** (Kieffer, 1901)

**Nomenclature:**

*Eucoela fimbriata* Kieffer, 1901

*Eucoela xanthoneura* nec (Förster, 1869, *Episoda*) *sensu* Quinlan (1978b)

*longipes* (Cameron, 1883, *Erisphagia*) *preocc.*

*xanthopum* (Kieffer, 1904, *Psilosema*)

*filicorne* (Kieffer, 1904, *Psilosema*)

*longicorne* (Kieffer, 1907, *Psilosema*)

*dolichocera* (Hellén, 1960, *Episoda*)

**Distribution:** England

**Notes:** Treated as *Episoda xanthoneura* by Quinlan (1978b).

**Leptopilina heterotoma** (Thomson, 1862)

**Nomenclature:**

*Eucoila heterotoma* Thomson, 1862

*? musti* (Rondani, 1875, *Xystus*)

*monilicornis* (Kieffer, 1904, *Ganaspis*)

*subnuda* (Kieffer, 1904, *Ganaspis*)

*philippinensis* (Kieffer, 1916, *Erisphagia*)

*bochei* (Weld, 1944, *Pseudeucoila*)

**Distribution:** England, Ireland

**Notes:** Treated as *Ganaspis subnuda* by Quinlan (1978b).

**Leptopilina longipes** (Hartig, 1841)

**Nomenclature:**

*Cothonaspis longipes* Hartig, 1841

**Distribution:** England
Genus *Trybliographa* Förster, 1869

**Nomenclature:**

- *EPISODA* Förster, 1869 synonymy by Nordlander (1980)
- *IDIOMORPHA* Förster, 1869
- *HYPOLETHRIA* Förster, 1869
- *PSICACRA* Förster, 1869
- *ADIERIS* Förster, 1869
- *PIEZOBRIA* Förster, 1869
- *PILINOTHRIX* Förster, 1869
- *ANECTOCLIS* Förster, 1869
- *COTHONASPIS auctt. nec* Hartig, 1840
- *DIMICROSTROPHIS* Ashmead, 1886
- *DUSMETIOLA* Tavares, 1924
- *EUCOILA auctt. nec* Westwood, 1835
- *PSEUDEUCOILA* Ashmead, 1903

**Notes:** Synonymy mostly from Nordlander (1981). Several new species of *Trybliographa* are present in Britain and several new synonymies will result from MF's unpublished revision. Some changes have been made in anticipation of this publication as they affect names described from British specimens.

Species of *Trybliographa* excluded from the British and Irish list:

[*testaceipes* Cameron, 1883] This name will be placed in synonymy.

*Trybliographa agaricola* (Thomson, 1862)

**Nomenclature:**

- *Eucoila agaricola* Thomson, 1862

**Distribution:** England

**Notes:** BMNH, det. Forshage, added here.

*Trybliographa albipennis* (Thomson, 1861)

**Nomenclature:**

- *Eucoila albipennis* Thomson, 1861
spaniandra Kerrich & Quinlan, 1960

**Distribution:** England

*Trybliographa atra* (Hartig, 1840)

**Nomenclature:**
- *Cothonaspis ater* Hartig, 1840
- *nigricornis* Cameron, 1883

**Distribution:** England, Scotland, Ireland

*Trybliographa cubitalis* (Hartig, 1841)

**Nomenclature:**
- *Cothonaspis cubitalis* Hartig, 1841

**Distribution:** England, Ireland

*Trybliographa diaphana* (Hartig, 1841)

**Nomenclature:**
- *Cothonaspis diaphana* Hartig, 1841

**Distribution:** England, Scotland, Wales, Ireland

*Trybliographa erythrocera* (Thomson, 1877)

**Nomenclature:**
- *Eucoila erythrocera* Thomson, 1877

**Distribution:** England

**Notes:** BMNH, det. Forshage, added here. Generic combination not yet formally published.

*Trybliographa fovealis* (Thomson, 1862)

**Nomenclature:**
- *Eucoila fovealis* Thomson, 1862

**Distribution:** England

**Notes:** BMNH, det. Forshage, added here.
**Trybliographa glottiana** (Cameron, 1883)

**Nomenclature:**

- *Psichacra glottiana* Cameron, 1883
- *proxima* (Cameron, 1889, *Eucoila*)
- *agaricorum* (Kieffer, 1902, *Eucoela*)

**Distribution:** England, Scotland

**Trybliographa gracilicornis** (Cameron, 1888)

**Nomenclature:**

- *Eucoila gracilicornis* Cameron, 1888

**Distribution:** England, Scotland, Wales, Ireland

**Trybliographa longicornis** (Hartig, 1840)

**Nomenclature:**

- *Cothonaspis longicornis* Hartig, 1840
- *gracilis* (Dahlbom, 1846, *Eucoila*)
- *subspinosa* (Kieffer, 1904, *Cothonaspis*)

**Distribution:** England, Ireland

**Trybliographa mandibularis** (Zetterstedt, 1838)

**Nomenclature:**

- *Figites mandibularis* Zetterstedt, 1838
- *similis* (Cameron, 1883, *Psichacra*)

**Distribution:** England, Scotland

**Trybliographa nigripes** (Giraud, 1860)

**Nomenclature:**

- *Eucoila nigripes* Giraud, 1860

**Distribution:** England

**Notes:** BMNH, det. Forshage, added here.
**Trybliographa rapae** (Westwood, 1835)

**Nomenclature:**

- *Eucoila rapae* Westwood, 1835
- *coronata* (Hartig, 1841, *Cothonaspis*)
- *insignis* (Giraud, 1860, *Eucoila*)
- *octotoma* (Thomson, 1862, *Eucoila*)
- *scutellaris* Förster, 1869
- *scutellaris* nec (Latreille, 1805, *Figites*) *sensu* Hartig, 1840
- *melanocera* (Förster, 1869, *Idiomorpha*)
- *crassicornis* Cameron, 1889
- *fortinervis* (Cameron, 1889, *Eucoila*)
- *ventralis* (Kieffer, 1901, *Eucoela*)
- *ruficornis* (Kieffer, 1902, *Eucoela*)
- *erythrocera* nec (Thomson, 1862, *Eucoela*) *sensu* Cameron, 1890
- *britannica* (Kieffer, 1905, *Eucoela*)

**Distribution:** England, Scotland, Wales, Ireland

**Trybliographa rufula** (Förster, 1855)

**Nomenclature:**

- *Eucoila rufula* Förster, 1855
- *dalei* (Cameron, 1879, *Psichacra*)

**Distribution:** England, Ireland

**Trybliographa scotica** (Cameron, 1889)

**Nomenclature:**

- *Eucoila scotica* Cameron, 1889

**Distribution:** England, Scotland

**Notes:** Recently removed from synonymy with *trichopsila* in Forshage et al. (2013).

**Trybliographa strandi** (Hedicke, 1914)

**Nomenclature:**

- *Cothonaspis strandi* Hedicke, 1914
**Trybliographa subnebulosa** (Giraud, 1860)

**Nomenclature:**

*Eucoila subnebulosa* Giraud, 1860

**Distribution:** England

**Notes:** BMNH, det. Forshage, added here.

**Trybliographa trichopsila** (Hartig, 1841)

**Nomenclature:**

*Cothonaspis trichopsilus* Hartig, 1841

*brachytricha* (Kieffer, 1901, *Eucoela*)

*claripennis* (Thomson, 1862, *Eucoila*)

**Distribution:** England

**Tribe Ganaspini Belizin, 1961**

**Genus Chrestosema** Förster, 1869

**Nomenclature:**

*RECENTIA* Belizin, 1961

**Notes:** species of *Chrestosema* excluded from the British and Irish list:

[antennale Kieffer, 1904; England, Ireland] This name will be placed in synonymy

**Chrestosema erythropum** Förster, 1869

**Distribution:** England

**Notes:** BMNH, det. Forshage, added here.

**Genus Didyctium** Riley, 1879

**Nomenclature:**

*HEPTAMEROCERA* Ashmead, 1896
**Didyctium nigriclava (Kieffer, 1904)**

**Nomenclature:**

*Cothonaspis nigriclava* Kieffer, 1904

**Distribution:** England, Wales

**Notes:** BMNH, det. Forshage, added here.

**Genus Ganaspis Förster, 1869**

**Ganaspis mundata Förster, 1869**

**Nomenclature:**

*tenuicornis* Kieffer, 1904

**Distribution:** England

**Notes:** BMNH, det. Forshage, added here.

**Ganaspis seticornis (Hellén, 1960)**

**Nomenclature:**

*Episoda seticornis* Hellén, 1960

*ciliaria* (Belizin, 1968, *Odonteucoila*)

**Distribution:** England, Scotland

**Notes:** BMNH, det. Forshage, added here.

**Genus Glauraspidia Thomson, 1861**

**Nomenclature:**

*AGLAOTOMA* Förster, 1869

*APHISTOPHYZA* Förster, 1869

*DIRANCHIS* Förster, 1869

*CRYPTEUROELA* Kieffer, 1904

*AGLAOTOMIDEA* Rohwer & Fagan, 1917

**Glauroaspidea microptera (Hartig, 1840)**

**Nomenclature:**

*Cothonaspis micropterus* Hartig, 1840

*codrina* (Hartig, 1841, *Cothonaspis*)
subtilis (Dahlbom, 1842, Eucoela)
carpentieri Kieffer, 1901
giraudi (Kieffer, 1902, Aglaotoma)
foersteri (Kieffer, 1904, Aglaotoma)
giraudi (Kieffer, 1904, Crypteucoela) preocc.

elegans Ionescu, 1963

Distribution: England, Wales, Ireland

Genus Hexacola Förster, 1869

Nomenclature:

HEXAPLASTA Förster, 1869

Hexacola hexatoma (Hartig, 1841)

Nomenclature:

Cothonaspis hexatoma Hartig, 1841
picicrus (Giraud, 1860, Eucoila)
fusiceps (Mayer, 1923, Cothonaspis)

Distribution: England

Genus Mirandicola Belizin, 1968

Nomenclature:

PSEUDOPSICHACRA Quinlan, 1975

Mirandicola sericea (Thomson, 1877)

Nomenclature:

Glauraspidia sericea Thomson, 1877
bispinosa (Kieffer, 1901, Eucoela)
sauteri (Hedicke, 1913, Psychacra)

Distribution: England, Ireland

Tribe Kleidotomini Hellén, 1960

Genus Cothonaspis Hartig, 1840

Nomenclature:

PSILOSEMA Kieffer, 1901
Cothonaspis gracilis Hartig, 1841

Nomenclature:

giraudi (Dalla Torre & Kieffer, 1910, Erisphagia)

Distribution: England

Cothonaspis longula Nordlander, 1976

Distribution: England

Cothonaspis pentatoma Hartig, 1841

Distribution: England, Scotland

Genus Eutrias Förster, 1869

Eutrias tritoma (Thomson, 1877)

Nomenclature:

Eucoilata tritoma Thomson, 1877

Distribution: England

Genus Kleidotoma Westwood, 1833

Nomenclature:

APHYOPTERA Förster, 1869
APHILOPTERA Förster, 1869
AGROSCOPA Förster, 1869
HEPTAMERIS Förster, 1869
NEDINOPTERA Förster, 1869
RHYNCHACIS Förster, 1869
PENTACRITA Förster, 1869
TETRAHOPTERA Förster, 1869
TETRATOMA Cameron, 1890
ARHOPTRA Kieffer, 1901
PENTARHOPTRA Kieffer, 1901
SCHIZOSEMA Kieffer, 1901
KLEIDOTOMIDEA Rohwer & Fagan, 1917
PENTAKLEIDOTA Weld, 1951
Notes: Subgeneric classification was finally abandoned and all subgeneric names considered mere synonyms in Forshage and Nordlander (2008).

Species of Kleidotoma removed from the British and Irish list:

[myrmecophila Kieffer, 1908] Recorded from Britain in Fauna Europaea (Noyes et al. 2004) but in error.

*Kleidotoma affinis* Cameron, 1889

*Distribution:* Scotland

*Kleidotoma caledonica* Cameron, 1888

*Distribution:* England, Scotland, Ireland

*Kleidotoma ciliaris* (Zetterstedt, 1838)

*Nomenclature:

Figites ciliaris Zetterstedt, 1838
melanopoda Cameron, 1888

*Distribution:* England, Scotland

Notes: Usually regarded as a species of *Trybliographa* but published as a new combination in Kleidotoma by Jonsell et al. (1999) in an ecological paper and listed as such in Fauna Europaea (Noyes et al. 2004). The ciliaris sensu auctt. nec Zetterstedt, refers to various small Trybliographa spp.

*Kleidotoma dolichocera* Thomson, 1877

*Nomenclature:

carpentieri (Kieffer, 1904, Cleidotoma)

*Distribution:* England, Wales, Ireland

*Kleidotoma elegans* Cameron, 1889

*Distribution:* England, Scotland

*Kleidotoma filicornis* Cameron, 1889

*Distribution:* England
**Kleidotoma gracilicornis** Cameron, 1889

*Distribution*: England

**Kleidotoma ? gryphus** Thomson, 1861

**Kleidotoma halophila** Thomson, 1861

*Distribution*: England

**Kleidotoma hexatoma** Thomson, 1862

*Distribution*: England, Scotland

**Kleidotoma longicornis** Cameron, 1889

*Distribution*: England, Scotland

**Kleidotoma longipennis** Cameron, 1889

*Distribution*: England, Scotland, Ireland

**Kleidotoma marshalli** Cameron, 1889

*Nomenclature:*

*antecella* Belizin, 1964

*Distribution*: England, Ireland

**Kleidotoma nigra** (Hartig, 1840)

*Nomenclature:*

*Cothonaspis niger* Hartig, 1840

*crassiclava* Cameron, 1888

*nigripes* Cameron, 1888

*brevicornis* (Kieffer, 1904, *Rhynchasis*)

*tetramora* (Kieffer, 1904, *Rhynchasis*)

*Distribution*: England, Scotland, Ireland

**Kleidotoma pentatoma** Thomson, 1861

*Nomenclature:*

*albipennis* Cameron, 1886 *nec* Thomson, 1861
Distribution: England, Scotland, Ireland

*Kleidotoma picipes* Cameron, 1886

Distribution: Scotland, Ireland

*Kleidotoma psiloides* Westwood, 1833

Distribution: England, Wales

*Kleidotoma pygmea* (Dahlbom, 1842)

Nomenclature:

*Eucoila pygmea* Dahlbom, 1842

Distribution: England, Ireland

*Kleidotoma striata* Cameron, 1886

Distribution: England, Scotland

*Kleidotoma striaticollis* Cameron, 1880

Distribution: England, Scotland

*Kleidotoma subaptera* (Walker, 1834)

Nomenclature:

*Figites subaptera* Walker, 1834

*helgolandica* (Fürster, 1869, *Agroscopa*)

Distribution: England, Wales, Ireland

*Kleidotoma thomsoni* Forshage, sp. nov., replacement name

Nomenclature:

*tetratoma* Thomson, 1861 preocc. Name preoccupied by *Kleidotoma tetratoma* (Hartig, 1841, *Cothonaspis*).

Distribution: England, Scotland, Ireland

*Kleidotoma tomentosa* (Giraud, 1860)

Nomenclature:

*Eucoila tomentosa* Giraud, 1860
anisomera (Förster, 1869, Aphiloptera)
erythropa Thomson, 1877

Distribution: England

*Kleidotoma truncata* Cameron, 1889

Distribution: England, Scotland

Tribe Trichoplastini Kovalev, 1989

Genus *Rhoptromeris* Förster, 1869

Nomenclature:

MIOMOERA Förster, 1869
HEXAMEROCERA Kieffer, 1901
STRIATELLIA Belizin, 1966

Notes: Synonymy taken from Nordlander (1978).

Species of *Rhoptromeris* removed from the British and Irish list:

[*nigriventris* Nordlander, 1978] *Rhoptromeris nigriventris* was listed by Quinlan (1978b) but this was most likely a mistake. Nordlander (1978) mentions that some Swedish paratypes were deposited in BMNH. There are no British or Irish specimens identified as *nigriventris* in the collection.

*Rhoptromeris heptoma* (Hartig, 1840)

Nomenclature:

Cothonaspis heptomus Hartig, 1840
*biscapus* (Hartig, 1840, *Cothonaspis*)
eucera (Hartig, 1841, *Cothonaspis*)
nodosa (Giraud, 1860, *Eucoila*)
parvula (Thomson, 1862, *Eucoila*)
aberrans (Förster, 1869, *Miomoera*)
aequalis (Kieffer, 1901, *Eucoela*)
widhalmi Kurdjumov, 1912

Distribution: England, Scotland, Wales, Ireland
**Rhoptromeris villosa** (Hartig, 1840)

**Nomenclature:**

*Cothonaspis villosus* Hartig, 1840

**Distribution:** England, Wales, Ireland

**Notes:** BMNH, det. Forshage, added here.

**Genus Trichoplasta** Benoit, 1956

**Trichoplasta** sp. indet.

**Notes:** BMNH, det. Forshage, added here. Only a single male specimen has been found amongst British material; it is not identifiable to species level with our current state of knowledge, and is listed here as a record of the genus from Britain.

**Subfamily Figitinae** Hartig, 1840

**Notes:** *Melanips* has been transferred to Aspicerinae by Buffington et al. (2007).

Synonymy follows Fergusson (1986) except where otherwise noted.

**Genus Amphithecus** Hartig, 1840

**Nomenclature:**

*AMPHITECTUS* misspelling

**Notes:** Removed from synonymy with *Sarothrus* by Ronquist (1999).

**Amphithecus areolatus** (Hartig, 1840)

**Nomenclature:**

*Sarothrus areolatus* Hartig, 1840  
*dahlbomii* Hartig, 1840  
*piceus* (Dahlbom, 1842, *Figites*) nom. nud.  
*fumipennis* (Giraud, 1860, *Melanips*)

**Distribution:** England

**Genus Figites** Latreille, 1802

**Nomenclature:**

*PSIOGASTER* Hartig, 1840
PYCNOTRICHIA Förster, 1869
OMALOSPOIDES Hedicke, 1913

Notes: Species of Figites excluded from the British and Irish list:

[laevigatus Dahlbom, 1842]
[reinhardi Kieffer, 1901]
[urticarum Dahlbom, 1842]

Included in Quinlan (1978a) but not by Fergusson (1986).

Figites anthomyiarum Bouché, 1834

Distribution: England, Ireland

Figites consobrinus Giraud, 1860

Nomenclature:
scutellaris misident.
dentiscuta Hellén, 1937

Distribution: England, Ireland

Figites ictus Fergusson, 1986

Distribution: England, Ireland

Notes: added by Fergusson (1986)

Figites scutellaris (Rossi, 1794)

Nomenclature:
Cynips scutellaris Rossi, 1794
ruficornis (Rossi, 1794, Cynips)
abbreviator (Herrich-Schäffer in Panzer, 1801, Ophion)
tibialis (Hartig, 1840, Psilogaster)
letzneri (Hedicke, 1913, Omalospoides)

Distribution: England
Genus *Lonchidia* Thomson, 1862

*Lonchidia clavicornis* Thomson, 1862

**Distribution:** England, Scotland, Ireland

*Lonchidia maculipennis* (Dahlbom, 1842)

**Nomenclature:**
- *Figites maculipennis* Dahlbom, 1842

**Distribution:** England, Ireland

Genus *Sarothrus* Hartig, 1840

*Sarothrus tibialis* (Zetterstedt, 1838)

**Nomenclature:**
- *Cynips tibialis* Zetterstedt, 1838
- *canaliculatus* Hartig, 1840
- *silesiacus* (Hedicke, 1913, *Omalaspoides*)

**Distribution:** England, Wales, Ireland

Genus *Xyalophora* Kieffer, 1901

*Xyalophora clavata* (Giraud, 1860)

**Nomenclature:**
- *Figites clavatus* Giraud, 1860

**Distribution:** Wales, Ireland

**Notes:** added by Fergusson (1986)

Genus *Zygosis* Förster, 1869

**Nomenclature:**
- *DICERAEA* Förster, 1869
- *THYREOCERA* Ashmead, 1887
**Zygosis urticeti** (Dahlbom, 1842)

**Nomenclature:**

*Figites urticeti* Dahlbom, 1842  
*heteropterus* (Hartig, 1843, *Psilogaster*)

**Distribution:** England, Ireland

**Ibaliidae**

**Family Ibaliidae** Thomson, 1862

**Genus Ibalia** Latreille, 1802

**Nomenclature:**

*SAGARIS* Panzer, 1806

**Ibalia leucospoides** (Hockenwarth, 1785)

**Nomenclature:**

*Ichnemon leucospoides* Hockenwarth, 1785  
*cultellator* (Fabricius, 1793, *Ichneumon*)  
*ensiger* Norton, 1862  
*suprunenkoi* Jacobson, 1899  
*gigantea* Yoshimoto, 1970

**Distribution:** England

**Ibalia rufipes** Cresson, 1879

**Nomenclature:**

*drewseni* Borries, 1891  
*shirmeri* Dalla Torre & Kieffer, 1910

**Distribution:** England, Scotland
Acknowledgements

We are very grateful to Bruce Williams and Ernst Klimsa for letting us use their photographs. Natalie Dale-Skey kindly transformed the original Word documents into spreadsheets for import. Juli Pujade-Villar and George Melika critically reviewed the manuscript and pointed out various errors and omissions.

Author contributions

JPB, BMS: Cynipidae. FVV: Alloxysta. MF: Figitidae and checking of taxonomy throughout. GRB: editing and checking of taxonomy and distribution throughout.

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Supplementary materials

Suppl. material 1: Checklist of the British and Irish Cynipoidea

Authors:  Forshage, M., Bowdrey, J.P., Spooner, B.M., Van Veen, F. & Broad, G.R.
Data type:  formatted text
Brief description:  Word document version of the checklist
Filename:  Hym_checklist_4_Cynipoidea Final.docx - Download file (199.14 kb)

Suppl. material 2: Checklist of British and Irish Cynipoidea

Authors:  Forshage, M., Bowdrey, J.P., Spooner, B.M., Van Veen, F. & Broad, G.R.
Data type:  spreadsheet
Brief description:  Excel spreadsheet version of the checklist
Filename:  Hym_checklist_4_Cynipoidea_spreadsheet.xlsx - Download file (95.19 kb)