



# Checklist of British and Irish Hymenoptera - Cynipoidea

Mattias Forshage<sup>‡</sup>, Jeremy Bowdrey<sup>§</sup>, Gavin R. Broad<sup>l</sup>, Brian M. Spooner<sup>¶</sup>, Frank van Veen<sup>#</sup>

<sup>‡</sup> Swedish Museum of Natural History, Stockholm, Sweden

<sup>§</sup> Colchester and Ipswich Museums, Colchester, United Kingdom

| The Natural History Museum, London, United Kingdom

<sup>¶</sup> Royal Botanic Gardens, Kew, Richmond, United Kingdom

<sup>#</sup> University of Exeter, Penryn, United Kingdom

Corresponding author: Gavin R. Broad ([g.broad@nhm.ac.uk](mailto:g.broad@nhm.ac.uk))

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 Ibalidae.

## 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 Liopteridae are entirely extralimital). The Figitidae and Ibalidae 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 Hemeroptera (Neuroptera); the small family Ibalidae 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 Ibalidae, 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)

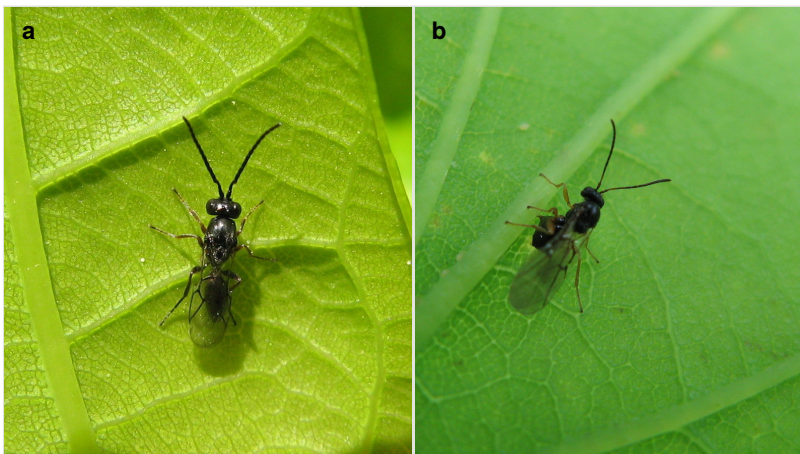


Figure 2.

Representative British Cynipidae.

- a:** Male *Synergus* sp. (J. Bowdrey).  
**b:** Ovipositing female *Neuroterus anthracinus* (Curtis) (J. Bowdrey).

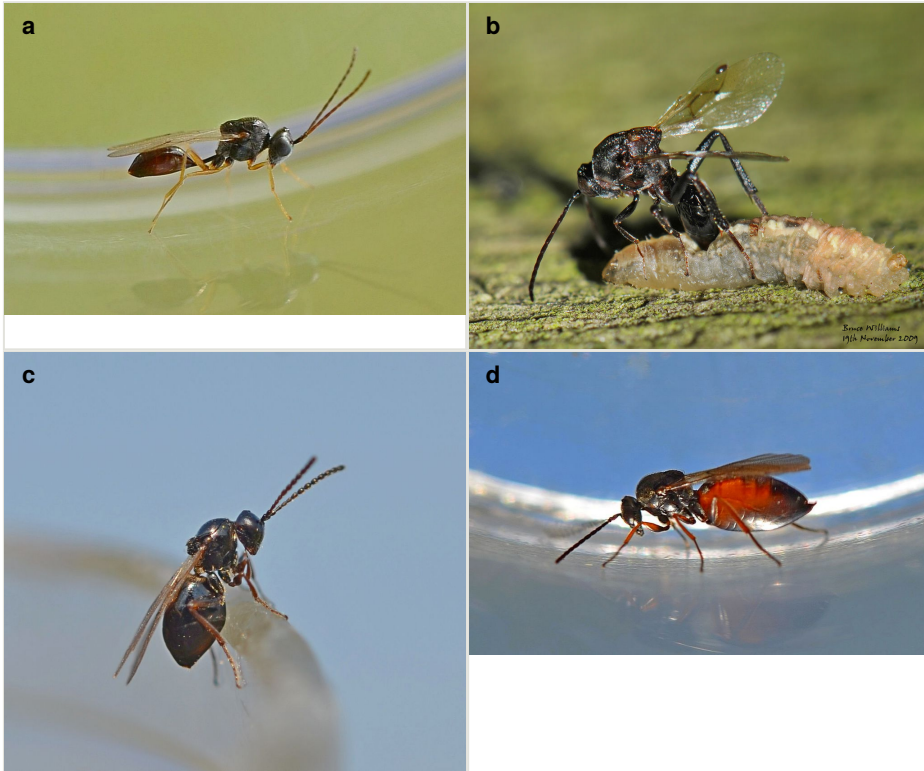


Figure 3.

Representative British Figitidae

**a:** *Anacharis eucharoides* (Dalman) (Anacharitinae), female (courtesy of E. Klimsa)

**b:** *Callaspidia defonscolombeii* Dalman (Aspicerinae) female ovipositing in Syrphidae larva (courtesy of B. Williams)

**c:** *Trybliographa* sp. (Eucoilinae), female (courtesy of E. Klimsa)

**d:** *Amphitectus areolatus* (Hartig) (Figitinae), female (courtesy of E. Klimsa)

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
<b>Cynipidae</b>	78 [inc. 1 introduced]	91 [inc. 2 introduced]	87	49	56	48	13
<b>Figitidae</b>	123	127	111	44	30	50	1
<b>Ibaliidae</b>	1	2	2	1	0	0	0
	<b>202</b>	<b>220</b>	<b>200</b>	<b>94</b>	<b>86</b>	<b>98</b>	<b>14</b>

## 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 Ibalidae 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:

[*andrei* (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 papaveris* (Perris, 1840)**

**Nomenclature:**

*Diplolepis papaveris* Perris, 1840

*rhoadis* (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  
*ONCASPIS* 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.

[*gallaearniformis* (Boyer de Fonscolombe, 1832, *Diplolepis*) -a-, syn. *sufflator* 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-

**Distribution:** England, Scotland

**Notes:** Sexual generation catkin galls first recorded by Traill (1873). The asexual generation, described as *giraudianus* Dalla Torre & Kieffer, 1910, has not been recorded in Britain.

***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. *eliana*e Melika, Csóka & Pujade-Villar, 2000 nom. nud. -s-

**Distribution:** England, Scotland, Ireland

**Notes:** *Cynips ambigua* 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 *eliana*e. 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 Folliot 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* Schlechtendal, 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* (Girault, 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-  
*quercuscorticalis* (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-  
*gallaepyriformis* (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 *rhizomae* (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:**

*Diplolepis pallidus* Olivier, 1791

*aptera* (Bosc, 1791, *Cynips*) preocc. -a-

*gallaealvaeriformis* (D'Anthoine, 1794, *Diplolepis*) -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. *maileti* 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-

*gallaeunedoniformis* (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:

[*cerriphilus* 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, *Spathogaster*) -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-  
*gallaepiformis* (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* Kieffer, 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

*pseudococcus* (Kieffer, 1902, *Andricus*) -a-

**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, *Spathogaster*) -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:

[*mayri* Reinhard, 1876] 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

*aphidivorus* 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, *Aulax*)*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:***Aulax 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 ? lamsanae* (Perris, 1873)**

**Distribution:** England

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

***Timaspsis 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)

*rosarum* (Giraud, 1859, *Rhodites*)

*andrei* (Kieffer, 1904, *Rhodites*)

*kiefferi* (Loiselle, 1912, *Rhodites*)



*dispar* (Niblett, 1943, *Rhodites*)

**Distribution:** England, Wales

***Diplolepis rosae* (Linnaeus, 1758)**

**Nomenclature:**

*Cynips rosae* Linnaeus, 1758

*bedeguaris* Fourcroy, 1785

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

***Diplolepis spinosissima* (Giraud, 1859)**

**Nomenclature:**

*Rhodites spinosissima* Giraud, 1859

*rosae-spinosissima* (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

*evanescens* 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:**

*flavicornis* Hartig, 1840

*nervosus* Hartig, 1840

*nigripes* Hartig, 1840

*albipes* Hartig, 1841

*erythrocerus* Hartig, 1841

*variolosus* Hartig, 1841

*varius* 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*)
- thamatocerus* 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:**

- Diplolepis umbraculus* Olivier, 1791
- gallaeumbraculatae* (D'Anthoine, 1794, *Diplolepis*)
- rufipes* (Boyer de Fonscolombe, 1832, *Diplolepis*)
- 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

*SYNOPSIS* Förster, 1869 preocc.

*PROSYNOPSIS* Dalle Torre & Kieffer, 1910

***Anacharis eucharoides* (Dalman, 1818)**

**Nomenclature:**

*tinctus* Walker, 1835

*typica* Walker, 1835

*petiolata* (Zetterstedt, 1838, *Cynips*)

*sphaciformis* (Hartig, 1840, *Megapelmus*)

*eucharoides* misspelling

**Distribution:** England, Ireland

***Anacharis immunis* Walker, 1835**

**Nomenclature:**

*ensifer* Walker, 1835

*rufiventris* (Hartig, 1841, *Megapelmus*)

*staegeri* Dahlbom, 1842

*aquisgranensis* (Förster, 1869, *Synopsis*)

**Distribution:** England, Ireland

**Genus *Xyalaspis* Hartig, 1843****Nomenclature:**

*CONASPICERA* Hedicke, 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

*ediogaster* (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*)
- dufour* 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-Martinez 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]

[*ullrichi* (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* (Kieffer, 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*)

*semiclausula* 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.

*macrophadna* misspelling

*filicornis* (Cameron, 1889, *Allotria*)

*scutellata* Kieffer, 1902

*rubromaculata* Kieffer, 1902 (*Alloxysta nigriventris* var.)

**Distribution:** England, Scotland, Wales

**Notes:** *Alloxysta testeacea* is recorded as a misidentification of *macrophadna* 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:**

*Nephycta marshalliana* Kieffer, 1900

**Distribution:** Scotland

**Notes:** Synonymised under *macrophadna* 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 *Apocharips* Fergusson, 1986*****Apocharips 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 *ruficornis*) 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-Martínez (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

*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

Notes: BMNH, det. Forshage, added here.

### Genus *Trybliographa* Förster, 1869

**Nomenclature:**

*EPISODA* Förster, 1869 synonymy by Nordlander (1980)

*IDIOMORPHA* Förster, 1869

*HYPOLETHRIA* Förster, 1869

*PSICHACRA* 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 erythrocer*a (Thomson, 1877)**

**Nomenclature:**

*Eucoila erythrocer*a 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*)

*erythrocerca* 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

**Distribution:** England

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

***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:**

*Cothanaspis 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

*CRYPTEUCOELA* Kieffer, 1904

*AGLAOTOMIDEA* Rohwer & Fagan, 1917

***Glauraspidia 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*)  
*fuscipes* (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, *Psichacra*)

**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:***Eucoila 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*TETRAHOPTRA* 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* (Förster, 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, *Aphilopectera*)

*erythrope* 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 *Amphitectus* Hartig, 1840****Nomenclature:**

*AMPHITECTUS* misspelling

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

***Amphitectus 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:**

*PSILOGASTER* 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, *Omalaspoides*)

**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 *Zygosia* Förster, 1869**

**Nomenclature:**

*DICERAEA* Förster, 1869

*THYREOCERA* Ashmead, 1887

***Zygosia 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:***Ichneumon leucospoides* Hockenwarth, 1785*cultellator* (Fabricius, 1793, *Ichneumon*)*ensiger* Norton, 1862*suprunenkoi* Jacobson, 1899*gigantea* Yoshimoto, 1970**Distribution:** England***Ibalia rufipes* Cresson, 1879****Nomenclature:***drewheni* 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.

## References

- Adler H, Stratton CR (1894) Alternating generations. A biological stud of oak galls and gall flies. Clarendon Press, Oxford.
- Askew RR (1959) A note on *Callirhytis glandium* (Giraud) (Hym., Cynipidae). Entomologist's Monthly Magazine 95: 79.
- Bagnall RS (1917) *Aylax taraxaci* (Ashm.) a cynipid (Hymenoptera) new to the British fauna and notes on other gall wasps. Entomologist's Monthly Magazine 53: 200-210.
- Bagnall RS (1931) *Aulacidea andrei* (Kieff.), a cynipid (Hymenoptera) new to the British fauna. Entomologist's Monthly Magazine 67: 243.
- Bagnall RS (1932) On the Scottish species of gall-wasps that affect the Compositae. Scottish Naturalist 193: 21-23.
- Bagnall RS, Burkill HJ (1935) A cynipid *Timaspis sonchi* Stefani as British. The Entomologist 68: 10.
- Bagnall RS, Harrison JW (1918) On some Cynipid oak-galls new to the British Fauna. Entomologist's Monthly Magazine 54: 177-182.
- Bagnall RS, Harrison JW (1919) Talks about plant galls VI. The wasp galls of the British oak. Vasculum 5: 127-134.
- Bagnall RS, Harrison JW (1930) Preliminary records of two new British gall-wasps (Cynipidae) affecting the common goat's beard (*Tragopogon pratensis*). Entomologist's Monthly Magazine 66: 225-226.
- Bagnall RS, Harrison JW (1934) *Timaspis lampsanae* Karsch, a genus and species of cynipid gall causer new to the British Isles. Entomologist's Monthly Magazine 70: 62.
- Baker EA (2013) Aphid parasitoids in Wales. British Journal of Entomology and Natural History 26: 219-239.
- Bellido D, Melika G, Pujade-Villar J (2005) Taxonomic status of *Andricus corruptrix*, *A. amblycerus* and *A. ambiguus* (Hymenoptera, Cynipidae). Entomofauna 26 (4): 29-44. URL: [http://www.zobodat.at/pdf/ENT\\_0026\\_0029-0042.pdf](http://www.zobodat.at/pdf/ENT_0026_0029-0042.pdf)
- Biggs DT (2011) Additional records of plant galls from the Isle of Wight – 2010. Proceedings of the Isle Wight Natural History and Archaeological Society 25: 172-173.
- Bignell GC (1892) A new species of Cynipidae. Entomologist's Monthly Magazine 3: 176-177.



- Bowdrey JP (1994) A preliminary note on *Aulacidea follioti* Barbotin, 1972 (Hymenoptera, Cynipidae), a species new to Britain. *Cecidology* 9: 54.
- Bowdrey JP (1999) The Essex species of gall-inducing Cynipids (Hymenoptera: Cynipidae: Aulacidiini and Rhoditini) on host plants other than *Quercus*. *Essex Naturalist* (N.S.) 16: 110-124.
- Bowdrey JP (2009) *Andricus gemmeus* (Giraud, 1859) a gall wasp (Hymenoptera: Cynipidae) new to the British Isles. *Cecidology* 24: 34-38.
- Bowdrey JP (2015) A new British gall on *Quercus cerris*, possibly induced by *Andricus cryptobius* Wachtl, 1880 (Hymenoptera: Cynipidae). *Cecidology* 30 (2): 77-78.
- Broad GR (2014) Checklist of British and Irish Hymenoptera - Introduction. *Biodiversity Data Journal* 2: e1113. <https://doi.org/10.3897/BDJ.2.e1113>
- Broad GR, Livermore L (2014a) Checklist of British and Irish Hymenoptera - Evanioidea. *Biodiversity Data Journal* 2: e1116. <https://doi.org/10.3897/BDJ.2.e1116>
- Broad GR, Livermore L (2014b) Checklist of British and Irish Hymenoptera - Ceraphronoidea. *Biodiversity Data Journal* 2: e1167. <https://doi.org/10.3897/BDJ.2.e1167>
- Buffington ML, Nylander JAA, Heraty JM (2007) The phylogeny and evolution of Figitidae (Hymenoptera: Cynipoidea). *Cladistics* 23: 403-431. <https://doi.org/10.1111/j.1096-0031.2007.00153.x>
- Burkill HJ (1933) Plant gall records for 1932. *London Naturalist* 1932: 117-119.
- Cameron P (1893) A monograph of the British phytophagous Hymenoptera. Vol. 4. Ray Society, London, 328 pp.
- Connold ET (1909) Plant galls of Great Britain. Adlard, London, 292 pp.
- Crawley MJ (1997) *Aphelonyx cerricola* Giraud (Hym., Cynipidae), an alien gall-former new to Britain. *Entomologist's Monthly Magazine* 133: 61.
- Dalla Torre CGd, Kieffer JJ (1910) Cynipidae. *Das Tierreich*, 24. 35. Friedlander & Sohn, Berlin, 891 pp. <https://doi.org/10.5962/bhl.title.1077>
- Eady RD (1952) A revision of section 1 (Mayr, 1872) of the genus *Synergus* (Hym. Cynipidae) in Britain, with a species new to science. *Transactions of the Society for British Entomology* 11: 141-152.
- Eady RD, Quinlan J (1963) Hymenoptera, Cynipoidea. *Handbooks for the Identification of British Insects VIII* (1a): 1-81.
- Eady RD, Quinlan J (1967) On the occurrence of *Andricus quercustozae* Bosc in Britain (Hym., Cynipidae). *Entomologist's Gazette* 18: 10-12.
- Entwistle PF, Hails RS (1997) An undescribed form, *borealis*, of the agamic phase of the smooth spangle gall, *Neuroterus albipes* (Schenck) (Hymenoptera: Cynipidae), in the Highland Region of Scotland with an analysis of its distribution on oak leaves. *Cecidology* 12: 44-61.
- EPPO (2015) First report of *Dryocosmus kuriphilus* in the United Kingdom. *EPPO Reporting Service* 6: 2015/108.
- Evenhuis HH (1982) A study of Hartig's *Xystus* species with type designations and new synonyms (Hymenoptera: Cynipidae Alloxystinae and Charipinae). *Spixiana* 5: 19-29.
- Evenhuis HH (1985) Studies on Alloxystidae (Hymenoptera, Cynipoidea) 8. *Cynips minuta* Zetterstedt and *Xystus minutus* Hartig. *Entomologische Berichten* 45: 16-20.
- Fergusson ND (1985) British species of the parasitic cynipid-wasp genus *Aegilips* (Hymenoptera: Cynipoidea, Anacharitinae). *Journal of Natural History* 19: 811-818. <https://doi.org/10.1080/00222938500770501>

- Fergusson ND (1986) Charipidae, Ibalidae & Figitidae (Hymenoptera: Cynipoidea). Handbooks for the Identification of British Insects 8 Pt.1c: 1-55.
- Ferrer-Suay M, Selfa J, Pujade-Villar J (2012a) Revision of V.I. Belizin's type material of *Alloxysta* (Hymenoptera: Figitidae: Charipinae) deposited in the Zoological Institute of the Russian Academy of Sciences. *Zoosystematica Rossica* 21 (2): 279-290.
- Ferrer-Suay M, Selfa J, Pujade-Villar J (2012b) Taxonomic revision of the *Alloxysta brevis* group (Hymenoptera, Cynipoidea, Figitidae, Charipinae). *Boletín de la Sociedad Entomológica Aragonesa* 51: 237-249.
- Ferrer-Suay M, Selfa J, Pujade-Villar J (2012c) Revision of Ionescu type material related with *Alloxysta* genus (Hym., Figitidae: Charipinae) deposited in the Muzeul de Istoria Naturala "Grigore Antipa", Bucharest, Romania. *Travaux du Museum d'Histoire Naturelle "Grigore Antipa"* 55 (2): 277-284.
- Ferrer-Suay M, Selfa J, Pujade-Villar J (2013a) Revision of *Alloxysta* from the Curtis collection (Hymenoptera: Figitidae: Charipinae) deposited in Museum Victoria (Australia). *Memoirs of Museum Victoria* 70: 11-16. URL: [https://museumvictoria.com.au/pages/44923/011-016\\_mmv70\\_ferrer-suay\\_3.pdf](https://museumvictoria.com.au/pages/44923/011-016_mmv70_ferrer-suay_3.pdf)
- Ferrer-Suay M, Selfa J, Pujade-Villar J (2013b) Revision of the Thomson and Zetterstedt collections of the genus *Alloxysta* Förster (Hymenoptera: Figitidae) deposited in the Lund Museum of Zoology (Sweden). *Entomologisk Tidskrift* 134: 77-102. URL: [http://www.sef.nu/download/entomologisk\\_tidskrift/et\\_vol\\_134\\_2013/ET2013%2077-102w.pdf](http://www.sef.nu/download/entomologisk_tidskrift/et_vol_134_2013/ET2013%2077-102w.pdf)
- Ferrer-Suay M, Selfa J, Pujade-Villar J (2013c) The *Alloxysta* (Hymenoptera: Figitidae: Charipinae) type material in the United States National Museum of Natural History and the Canadian National Collection of Insects. *Canadian Entomologist* 145: 603-625. <https://doi.org/10.4039/tce.2013.52>
- Ferrer-Suay M, Selfa J, Pujade-Villar J (2014) Review of the Hartig type collection of *Alloxysta* (Hymenoptera: Figitidae: Charipinae) and other *Alloxysta* material deposited in the Zoologische Staatssammlung Museum (Munich). *Fragmenta Faunistica* 57 (2): 75-116. <https://doi.org/10.3161/00159301FF2014.57.2.075>
- Ferrer-Suay M, Selfa J, Pujade-Villar J (2015) New contribution to the knowledge of the genus *Alloxysta* (Hymenoptera: Cynipoidea: Figitidae): revision of some type material. *Annalen des Naturhistorischen Museums in Wien, Serie B* 117: 23-36.
- Ferrer-Suay M, Paretas-Martínez J, Selfa J, Pujade-Villar J (2012) Taxonomic and synonymic world catalogue of the Charipinae and notes about this subfamily (Hymenoptera: Cynipoidea: Figitidae). *Zootaxa* 3376: 1-92.
- Ferrer-Suay M, Selfa J, Notton DG, Pujade-Villar J (2013) Revision of the types of species of *Alloxysta* described by Cameron and Fergusson (Hymenoptera: Figitidae: Charipinae) and deposited in the Natural History Museum (London), including a key to the fauna of Great Britain. *European Journal of Taxonomy* 53: 1-27.
- Ferrer-Suay M, Selfa J, Seco MV, Pujade-Villar J (2014) Revision of Hellén types of *Alloxysta* Förster (Hymenoptera: Figitidae, Charipinae). *Entomologica Fennica* 25 (2): 86-101.
- Fitch EA (1874) British oak-galls. *Entomologist's Monthly Magazine* 11: 109-110.
- Fitton MG, Graham MWdV, Boucek ZR, Fergusson ND, Huddleston T, Quinlan J, Richards OW (1978) Kloet and Hincks. A check list of British insects. Part 4: Hymenoptera. Handbooks for the Identification of British Insects 11: ix + 159 pp.

- Folliot R (1964) Contribution a l'étude de la biologie de cynipides gallicoles (Hymenoptera, Cynipoidea). Annales des Sciences Naturelles, Zoologie ser. 6, 12: 407-564.
- Folliot R, Ros-Farré P, Bellido J, Pujade-Villar J (2004) Alternation of generations in *Andricus corruptrix* (Schlechtendal): comments on and descriptions of a new sexual form (Hymenoptera: Cynipidae). Contributions to Zoology 73 (4): 1-10.
- Fordham WJ (1917) *Aylax taraxaci* Ashm. in Derbyshire. Entomologist's Monthly Magazine 53: 237.
- Forshage M, Nordlander G (2008) Identification key to European genera of Eucoilinae (Hymenoptera, Cynipoidea, Figitidae). Insect Systematics & Evolution 39 (3): 341-359. <https://doi.org/10.1163/187631208794760885>
- Forshage M, Nordlander G, Buffington M (2013) Eucoilinae of North America: A revised catalog of genera and described species. Proceedings of the Entomological Society of Washington 115 (3): 225-255. <https://doi.org/10.4289/0013-8797.115.3.225>
- Gauld ID, Bolton B (1988) The Hymenoptera. British Museum (Natural History) and Oxford University Press, Oxford, 332 pp.
- Hancy R, Hancy B (2004) First British record of the cynipid *Plagiotrochus quercusilicis*. Cecidology 19: 98.
- Harrison JW (1930) New and rare British galls, with some remarks on other species. Journal of Botany 68: 39-44.
- Jennings MT (2005) *Timaspis lusitanica* Tavares, 1904 (Hym., Cynipidae) and an associated parasitoid *Eurytoma punctatella* Zerova, 1978 (Hym., Eurytomidae), both new to Britain. Entomologist's Monthly Magazine 141: 160.
- Jennings MT (2014) *Andricus singularis* Mayr, 1870 (Hymenoptera: Cynipidae) new to the British Isles. Entomologist's Monthly Magazine 150: 1.
- Jennings MT (2016) *Ceroptres cerri* Mayr (Hymenoptera, Cynipidae) new to Britain, with Kent records of *Ceroptres clavivornis* Hartig. British Journal of Entomology and Natural History 29: 155.
- Jennings MT (2017) *Andricus grossulariae* (Giraud) and *Synergus consobrinus* Giraud - reared specimens from Kent, England. Mendeley Data v1 <https://doi.org/10.17632/kc75k37fjn.1>
- Jonsell M, Nordlander G, Jonsson M (1999) Colonization patterns of insects breeding in wood-decaying fungi. Journal of Insect Conservation 3: 145-161. <https://doi.org/10.1023/A:1009665513184>
- Leach CK (1999) The 'ramshorn' gall of *Andricus aries* on *Quercus robur* – a cynipid gall to be added to the British list? Cecidology 14: 18-21.
- Leeuwen WM, Dekhuijzen-Maasland JM (1958) The bigamic generations of *Andricus corruptrix* Schlechtendal and *Andricus lignicolus* Hartig (Hymenoptera, Cynipidae) Part II. Tijdschrift voor Entomologie 101: 101-111.
- Liljeblad J, Ronquist F (1998) A phylogenetic analysis of higher-level gall wasp relationships (Hymenoptera: Cynipidae). Systematic Entomology 23: 229-252. <https://doi.org/10.1046/j.1365-3113.1998.00053.x>
- Liston AD, Knight GT, Sheppard DA, Broad GR, Livermore L (2014) Checklist of British and Irish Hymenoptera - Sawflies, 'Symphyta'. Biodiversity Data Journal 2: 1. <https://doi.org/10.3897/BDJ.2.e1168>

- Malumphy C (2015) First findings of Oriental Chestnut Gall Wasp *Dryocosmus kuriphilus* Yasumatsu (Hymenoptera: Cynipidae) in the United Kingdom. *Cecidology* 30 (2): 45-47.
- Mata-Casanova M, Selfa J, Pujade-Villar J (2015) Revision of the genus *Xyalaspis* Hartig, 1843 (Hymenoptera: Figitidae: Anacharitinae) in the Western Palaearctic. *Zoosystema* 37 (1): 31-43. <https://doi.org/10.5252/z2015n1a2>
- Melika G (2006a) Gall Wasps of Ukraine. Cynipidae. Volume 1. *Vestnik Zoologii Supplement* 21: 1-300. URL: [http://balu.informax.hu/gubacsok/melika\\_gall\\_wasps\\_of\\_ukraine\\_cynipidae.pdf](http://balu.informax.hu/gubacsok/melika_gall_wasps_of_ukraine_cynipidae.pdf)
- Melika G (2006b) Gall Wasps of Ukraine. Cynipidae. Volume 2. *Vestnik Zoologii Supplement* 21: 301-492. URL: [http://balu.informax.hu/gubacsok/melika\\_gall\\_wasps\\_of\\_ukraine\\_cynipidae.pdf](http://balu.informax.hu/gubacsok/melika_gall_wasps_of_ukraine_cynipidae.pdf)
- Melika G, Abrahamson WG (2002) Review of the world genera of oak cynipid wasps (Hymenoptera: Cynipidae: Cynipini). In: Melika G, Thuróczy C (Eds) *Parasitic wasps: Evolution, Systematics, Biodiversity and Biological Control*. Agroiinform, Budapest, 40 pp.
- Melika G, Csóka G, Pujade-Villar J (2000) Check-list of oak gall wasps of Hungary, with some taxonomic notes (Hymenoptera: Cynipidae, Cynipinae, Cynipini). *Annales Historico-Naturales Musei Nationalis Hungarici* 92: 265-296.
- Menke AS, Evenhuis HH (1991) North-American Charipidae - key to genera, nomenclature, species checklists, and a new species of *Dilyta* Förster. *Proceedings of the Entomological Society of Washington* 93: 136-158.
- Morley C (1931) A synopsis of the British Hymenopterous family Cynipidae. *Entomologist* 64: 206-210.
- Mosley S (1892) Additional Yorkshire galls. *Naturalist (London)* 17: 337-339.
- Müller CB, Adriaanse IC, Belshaw R, Godfray HC (1999) The structure of an aphid-parasitoid community. *Journal of Animal Ecology* 68: 346-370. <https://doi.org/10.1046/j.1365-2656.1999.00288.x>
- Niblett M, Ron J, Butkill HJ (1932) Gall-causing Cynipidae in Britain. Part II. *Entomologist* 65: 274-276.
- Nieves-Aldrey J- (1994) Revision of west European genera of the tribe Aylacini Ashmead (Hymenoptera, Cynipidae). *Journal of Hymenoptera Research* 3: 175-206.
- Nieves-Aldrey J- (2001) Hymenoptera Cynipidae. 16. Museo Nacional de Ciencias Superior de Investigaciones Científicas, Madrid, 636 pp.
- Nordlander G (1978) Revision of the genus *Rhoptromeris* Förster, 1869 with reference to north-western European species. *Studies on Eucoilidae (Hym.: Cynipoidea) II*. *Entomologica Scandinavica* 9: 47-62. <https://doi.org/10.1163/187631278X00214>
- Nordlander G (1980) Revision of the genus *Leptopilina* Foerster, 1869, with notes on the status of some other genera (Hymenoptera, Cynipoidea: Eucoilidae). *Entomologica Scandinavica* 11: 428-452. <https://doi.org/10.1163/187631280794710024>
- Nordlander G (1981) A review of the genus *Trybliographa* Förster, 1869 (Hymenoptera, Cynipoidea: Eucoilidae). *Entomologica Scandinavica* 12 (4): 381-402. <https://doi.org/10.1163/187631281X00454>
- Noyes JS, Ronquist F, Forshage M (2004) Hymenoptera: Cynipidae. *Fauna Europea* v.1.1: <http://www.faunaeur.org>.
- O'Connor JP (2004) A checklist of the Irish Eucoilinae (Hymenoptera: Figitidae) including fourteen species new to Ireland. *Irish Naturalists' Journal* 27 (10): 382-386.

- O'Connor JP, Nash R (1998) A review of the Irish Charipidae (Hymenoptera) including nine species new to Ireland. *Irish Naturalists' Journal* 25 (1997): 410-412.
- O'Connor JP, Fergusson ND, Nash R (2003) A checklist of the Irish Figitidae excluding Charipinae & Eucoilinae (Hymenoptera). *British Journal of Entomology and Natural History* 16 (4): 229-232.
- O'Connor JP, Nash R, Broad GR (2009) An annotated checklist of the Irish Hymenoptera. The Irish Biogeographical Society, Dublin, 211 pp.
- Paretas-Martínez J, Ferrer-Suay M, Kovalev O, Melika G, Selfa J, Pujade-Villar J (2011) Revision of the species of *Dilyta* Förster (Hymenoptera: Figitidae: Charipinae) present in the Holarctic, with description of four new species from the eastern Palaearctic. , 780, 29-38. *Zootaxa* 2780: 29-38.
- Paretas-Martínez J, Arnedo MA, Melika G, Selfa J, Seco-Fernández MV, Fülöp D, Pujade-Villar J (2007) Phylogeny of the parasitic wasp subfamily Charipinae (Hymenoptera, Cynipoidea, Figitidae). *Zoologica Scripta* 36: 153-172. <https://doi.org/10.1111/j.1463-6409.2006.00269.x>
- Pujade-Villar J (2005) On two valid cynipid species: *Saphonecrus gallaepomiformis* (Boyer de Fonscolombe, 1832) n. comb. and *Synergus facialis* Hartig, 1840 (Hym., Cynipidae: Synergini). *Butlletí de la Institució Catalana d'Història Natural* 72 (2004): 110-112.
- Pujade-Villar J, Melika G (2000) Notes on *Andricus malpighii* (Adler) valid name to replace [sic] *Andricus nudus* (Adler) (Hymenoptera: Cynipidae). *Folia Entomologica Hungarica* 61: 161-162.
- Pujade-Villar J, Paretas-Martínez J (2006) *Phaenoglyphis* "versus" *Hemicrisis*, and the description of a new sculptured species of Charipinae (Hymenoptera: Figitidae). *European Journal of Entomology* 103 (2): 477-481. <https://doi.org/10.14411/eje.2006.061>
- Pujade-Villar J, Plantard O (2002) About the validity of *Diplolepis fructum* (Rübsaamen) and some new synonyms in *Diplolepis nervosa* (Curtis). In: Pujade-Villar, J. & Ros-Farré, P. 2001 Review of the uncertain *Neuroterus* species described by Hartig (Hymenoptera: Cynipidae). *Entomofauna* 22: 405-412.
- Pujade-Villar J, Ros-Farré P, Arnedo MA (1998) Phylogenetic position of *Neuroterus anthracinus* (Curtis, 1838) comb.nov. (Hymenoptera: Cynipidae). *Butlletí de la Institució Catalana d'Història Natural* 66: 111-114.
- Pujade-Villar J, Barbotin F, Folliot R, Melika G (2007) Are *Callirhytis erythrostroma* (Dettmer, 1933) and *C. erythrosoma* (Dettmer, 1933) synonyms of *Callirhytis erythrocephala* (Giraud, 1859) or different species? (Hymenoptera: Cynipidae: Cynipini). *Butlletí de la Institució Catalana d'Història Natural* 73: 61-70.
- Pujade-Villar J, Ferrer-Suay M, Selfa J, Alonso-Zarazaga MA (2011) What is *Alloxysta fulviceps* (Curtis, 1838) (Hymenoptera: Cynipoidea: Figitidae: Charipinae)? *Memoirs of Museum Victoria* 68: 67-70.
- Pujade-Villar J, Melika G, Ros-Farré P, Acs Z, Csoka G (2003) Cynipid inquiline wasps of Hungary, with taxonomic notes on the western Palaearctic fauna (Hymenoptera: Cynipidae: Cynipinae: Synergini). *Folia Entomologica Hungarica* 64: 121-170.
- Quinlan J (1974) The British Cynipoidea (Hymenoptera) described by P. Cameron. *Bulletin of the British Museum (Natural History), Entomology* 31: 1-21.
- Quinlan J (1978a) Hymenoptera: Cynipoidea: Eucoilidae. *Handbooks for the Identification of British Insects Vol. VIII, Part 1 (b)*: 1-58.

- Quinlan J (1978b) Cynipoidea. In: Fitton MG, Graham MWdV, Bouček ZR, Fergusson ND, Huddleston T, Quinlan J, Richards OW (Eds) Kloet and Hincks. A check list of British insects. Part 4: Hymenoptera. Handbooks for the Identification of British Insects 11(4), ix + 159 pp, 4 pp.
- Redfern M (2006) A new oak gall wasp in Britain. *Cecidology* 21: 46-48.
- Robbins J (2007) *Plagiotrochus australis* (Mayr) and *P. coriaceus* (Mayr) (Hymenoptera: Cynipidae) new to Britain. *Cecidology* 22: 19-20.
- Rolfe RA (1881) Notes on the oak galls in the quercetum of the Royal Botanic Gardens, Kew. *Entomologist* 14: 56-58.
- Ronquist F (1999) Phylogeny, classification and evolution of the Cynipoidea. *Zoologica Scripta* 28: 139-164. <https://doi.org/10.1046/j.1463-6409.1999.00022.x>
- Ronquist F, Nieves-Aldrey JL, Buffington ML, Liu Z, Liljeblad J, Nylander JA (2015) Phylogeny, evolution and classification of gall wasps: the plot thickens. *PLoS ONE* 10(5): e0123301. <https://doi.org/10.1371/journal.pone.0123301>
- Ros-Farré P, Pujade-Villar J (2009) Revision of the genus *Callaspidia* Dahlbom, 1842 (Hym.: Figitidae: Aspicerinae). *Zootaxa* 2105: 1-31.
- Ros-Farré P, Pujade-Villar J (2013) Revision of the genus *Aspicera* Dahlbom, 1842 (Hym.: Figitidae: Aspicerinae). *Zootaxa* 3606: 1-110.
- Sanders D, Van Veen FJ (2010) The impact of an ant–aphid mutualism on the functional composition of the secondary parasitoid community. *Ecological Entomology* 35 (6): 704-710. <https://doi.org/10.1111/j.1365-2311.2010.01230.x>
- Spooner BM, Bowdrey JP (2000) Checklist of the British galls and gall-causing organisms 4. Hymenoptera, Part I Cynipinae: preliminary list. *Cecidology* 15 (1): 41-74.
- Stone GN, Sunnocks PJ (1992) The hedgehog gall *Andricus lucidus* (Hartig, 1843) confirmed in Britain. *Cecidology* 7: 30-35.
- Stone GN, R.J. A, Rokas A, Nieves-Aldrey J-, Melika G, Ács Z, Csóka G, Hayward A, Bailey R, Buckee C, McVean GA (2008) Evidence for widespread cryptic sexual generations in apparently purely asexual *Andricus gallwasps*. *Molecular Ecology* 17: 652-665. <https://doi.org/10.1111/j.1365-294X.2007.03573.x>
- Swanton EW (1912) British plant galls. A classified textbook of cecidology. Methuen, London, 408 pp.
- Traill JW (1873) Oakgalls at Ballater, in June, including *Andricus amenti*, Giraud, new to Britain. *Entomologist's Monthly Magazine* 10: 85.
- Van Veen FJ, Belshaw R, Godfray HC (2003) The value of the ITS2 region for the identification of species boundaries between *Alloxysta* hyperparasitoids (Hymenoptera: Charipidae) of aphids. *European Journal of Entomology* 100: 449-453. <https://doi.org/10.14411/eje.2003.067>
- Walker P (2001a) *Andricus aries* does have a sexual generation on Turkey oak. *Cecidology* 16: 94-95.
- Walker P (2001b) The developing community on the introduced oak, *Quercus cerris*: a catkin gall-forming wasp *Andricus grossulariae* Giraud (Hym. Cynipidae) new to Britain. *Entomologist's Monthly Magazine* 137: 145-147.
- Walker P (2002) Two new records for cynipid oak galls (Cynipidae: Hymenoptera) in Britain. *Cecidology* 17: 64-67.

## 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)