

# Revision of the Haliday collection of Braconidae (Hymenoptera)

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The type-series of the taxa of the family Braconidae described by A.H. Haliday (1806-1870) are reviewed, 99 lectotypes are designated, 24 new synonyms and 22 new combinations are given. Lectotypes are designated for the following nominal species: *Alysia* (*Dacnusa*) *abdita* Haliday, 1839; *Opius* (*Opius*) *aethiops* Haliday, 1836; *Microgaster albipennis* Haliday, 1834; *Alysia* (*Alysia*) *ancilla* Haliday, 1838; *Alysia* (*Alysia*) *angustula* Haliday, 1838; *Microgaster annularis* Haliday, 1834; *Leiophron antennalis* Hincks, 1943; *Leiophron apicalis* Haliday, 1833; *Microgaster arenarius* Haliday, 1834; *Colastes braconius* Haliday, 1833; *Opius* (*Opius*) *caesus* Haliday, 1836; *Microgaster callidus* Haliday, 1834; *Microgaster candidatus* Haliday, 1834; *Opius* (*Opius*) *celsus* Haliday, 1836; *Alysia* (*Alysia*) *cephalotes* Haliday, 1833; *Opius* (*Opius*) *clarus* Haliday, 1836; *Rhyssalus clavator* Haliday, 1833; *Alysia* (*Alysia*) *compressa* Haliday, 1838; *Alysia* (*Alysia*) *concinna* Haliday, 1838; *Alysia* (*Alysia*) *conspurator* Haliday, 1838; *Rogas* (*Clinocentrus*) *cunctator* Haliday, 1836; *Ancylus cuspidatus* Haliday, 1833; *Rogas* (*Colastes*) *decorator* Haliday, 1836; *Microgaster decorus* Haliday, 1834; *Bracon delibator* Haliday, 1833; *Microgaster dilectus* Haliday, 1834; *Rogas dispar* Haliday, 1833; *Leiophron* (*Ancylus*) *edentatus* Haliday, 1835; *Microgaster equestris* Haliday, 1834; *Alysia* (*Alysia*) *eugenia* Haliday, 1838; *Alysia* (*Alysia*) *eunice* Haliday, 1838; *Leiophron* (*Ancylus*) *excrucians* Haliday, 1835; *Rogas* (*Clinocentrus*) *excubitor* Haliday, 1836; *Microgaster exiguus* Haliday, 1834; *Microgaster exilis* Haliday, 1834; *Opius* (*Opius*) *exilis* Haliday, 1836; *Perilitus* (*Meteorius*) *filator* Haliday, 1835; *Microgaster flavipes* Haliday, 1834; *Helcon* (*Eubadizon*) *flavipes* Haliday, 1835; *Alysia* (*Alysia*) *flavipes* Haliday, 1838; *Alysia* (*Alysia*) *flaviventris* Haliday, 1838; *Alysia* (*Dacnusa*) *lateralis* var. *fuscula* Haliday, 1839; *Alysia* (*Alysia*) *galatea* Haliday, 1838; *Acaelius germanus* Haliday, 1834; *Opius* (*Opius*) *haemorrhoeus* Haliday, 1836; *Microgaster hilaris* Haliday, 1834; *Microgaster immunis* Haliday, 1834; *Rogas* (*Doryctes*) *imperator* Haliday, 1836; *Microgaster infumatus* Haliday, 1834; *Alysia* (*Alysia*) *jaculans* Haliday, 1838; *Microgaster lateralis* Haliday, 1834; *Alysia* (*Dacnusa*) *lateralis* Haliday, 1839; *Leiophron* (*Ancylus*) *lituratus* Haliday, 1835; *Alysia* (*Alysia*) *livida* Haliday, 1838; *Opius* (*Opius*) *lugens* Haliday, 1836; *Alysia* (*Dacnusa*) *lugens* Haliday, 1839; *Alysia* (*Alysia*) *maculipes* Haliday, 1838; *Alysia* (*Dacnusa*) *marginalis* Haliday, 1839; *Alysia* (*Alysia*) *maria* Haliday, 1838; *Microgaster mediator* Haliday, 1834; *Rogas* (*Colastes*) *meditator* Haliday, 1836; *Microgaster meridianus* Haliday, 1834; *Microgaster messorius* Haliday, 1834; *Aphidius* (*Trioxys*) *minutus* Haliday, 1833; *Ancylus muricatus* Haliday, 1833; *Alysia* (*Chorebus*) *naidum* Haliday, 1839; *Alysia* (*Alysia*) *nephele* Haliday, 1838; *Alysia* (*Chorebus*) *nereidum* Haliday, 183; *Alysia* (*Alysia*) *nina* Haliday, 1838; *Diospilus oleraceus* Haliday, 1833; *Opius* (*Opius*) *pactus* Haliday, 1836; *Opius* (*Opius*) *pendulus* Haliday, 1836; *Microgaster praeapotens* Haliday, 1834; *Perilitus* (*Meteorius*) *profligator* Haliday, 1835; *Alysia* (*Alysia*) *pullata* Haliday, 1838; *Alysia* (*Dacnusa*) *pulverosa* Haliday, 1839; *Rogas* (*Heterospilus*) *quaestor* Haliday, 1836; *Microgaster rubripes* Haliday, 1834; *Microgaster ruficrus* Haliday, 1834; *Microgaster russatus* Haliday, 1834; *Opius* (*Opius*) *rusticus* Haliday, 1836; *Opius* (*Opius*) *saevus* Haliday, 1836; *Microgaster spectabilis* Haliday, 1834; *Microgaster spinolae* Haliday, 1834; *Opius* (*Opius*) *spretus* Haliday, 1836; *Alysia* (*Alysia*) *svyvia* Haliday, 1839; *Opius* (*Opius*) *sylvaticus* Haliday, 1836; *Adelius subfasciatus* Haliday, 1833; *Rogas* (*Doryctes*) *tabidus* Haliday, 1836; *Opius* (*Opius*) *tacitus* Haliday, 1836; *Helcon* (*Calyptus*) *tibialis* Haliday, 1835; *Blacus* (*Blacus*) *trivialis* Haliday, 1835; *Alysia* (*Dacnusa*) *uliginosa* Haliday, 1839; *Microgaster umbellatarum* Haliday, 1834; *Microgaster vestalis* Haliday, 1834;

*Rogas (Clinocentrus) vestigator* Haliday, 1836; *Opius (Opius) victus* Haliday, 1836; and *Opius (Opius) wesmaelii* Haliday, 1836.

The following new synonyms are proposed: *Microgaster coniferae* Haliday, 1834, with *M. candidatus* Haliday, 1834; *M. exiguus* Haliday, 1834, and *M. umbellatarum* Haliday, 1834, with *M. bicolor* Nees, 1834; *M. ingratus* Haliday, 1834, with *M. deprimator* Fabricius, 1798; *M. spinolae* Haliday, 1834, and *M. grandis* Thomson, 1895, with *M. meridianus* Haliday, 1834; *M. tibialis* Nees, 1834 (not Curtis, 1830), with *M. messorius* Haliday, 1834; *M. ater* Ratzeburg, 1852, with *M. sodalis* Haliday, 1834; *Bracon anthracinus* Nees, 1834 with *B. delibator* Haliday, 1834; *Opius docilis* Haliday, 1836, with *O. reconditor* Wesmael, 1835; *O. exilis* Haliday, 1836, with *O. pallipes* Wesmael, 1835; *Rogas medianus* Thomson, 1892, with *R. nobilis* Haliday, 1834; *Apanteles memnon* Nixon, 1974, with *Microgaster praepotens* Haliday, 1834; *Dacnusa marsyas* Nixon, 1937, with *Alysia pulverosa* Haliday, 1839; *Dapsilarthra carpathica* van Achterberg, 1983, with *Alysia sylvia* Haliday, 1839; *Apanteles melitaeorum* Wilkinson, 1937, with *Microgaster vestalis* Haliday, 1834; and *Neoneurus viennense* (Giraud, 1871) with *Ecclites clypeatus* Foerster, 1862. The following genera are synonymized: *Fovephedrus* Chen, 1986, with *Ephedrus* Haliday, 1833; *Aenone* Haliday, 1833, *Aenone* Curtis, 1837, *Oenone* Haliday, 1839, *Symphya* Foerster, 1862, and *Anarmus* Ruthe, 1882, with *Trachionus* Haliday, 1833; *Sixia* Snellen van Vollenhoven, 1867, with *Neoneurus* Haliday, 1838.

The following new combinations are made: *Apodesmia aemula* (Haliday, 1836); *Phaedrotoma aethiops* (Haliday, 1836); *Peristenus antennalis* (Hincks, 1943) stat. nov.; *Xynobius bajulus* (Haliday, 1836); *Chilotrachia blanda* (Haliday, 1836); *Xynobius caelatus* (Haliday, 1836); *Phaedrotoma caesa* (Haliday, 1836); *P. celsa* (Haliday, 1836); *Dinotrema concinnum* (Haliday, 1838); *Cotesia immunis* (Haliday, 1834); *Eubazus lepidus* (Haliday, 1835); *Phaedrotoma pacta* (Haliday, 1836); *Euphorus pallidistigma* (Curtis, 1833); *Cotesia popularis* (Haliday, 1834); *Chaenusa lymphata* (Haliday, 1839); *Phaedrotoma reconditor* (Wesmael, 1835); *Trachionus ringens* (Haliday, 1839); *Paraorthostigma rufiventre* (Nees, 1834; *Apodesmia saeva* (Haliday, 1836); *Eubazus tibialis* (Haliday, 1835); *Phaedrotoma tacita* (Haliday, 1836); and *Atormus victus* (Haliday, 1836).

A new key to the West Palaearctic species of the genus *Allurus* Foerster, 1862 is given. *Aleiodes tricolor* (Haliday, 1836) and *Heterospilus quaestor* Haliday, 1836 are redescribed and illustrated, and one new genus, *Atormus* (type species: *Opius victus* Haliday, 1836) is described and illustrated.

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## Introduction

The Irish entomologist Alexander Henry Haliday (1806-1870) is one of the most important 19th century authorities on Braconidae, followed next by the Belgian hymenopterist Constantin Wesmael (1798-1872). Their work is fundamental to the taxonomy of Palaearctic Braconidae. Haliday's descriptions are precise and his type series are only seldomly mixed. However, his collection is largely unlabelled and in most cases the number of specimens used in the description of a new species is not mentioned. Wesmael was better in these two respects, but his series are sometimes less homogeneous. A short description of the life and social setting of Haliday with

his photograph are given by Beirne (1985) and an obituary has been published by Wright (1902). Haliday was born at Holywood, County Down (Ireland), a member of well-off Anglo-Irish country gentry. He was a cultured, retiring, quiet-mannered, meticulous perfectionist, who shunned publicity. According to Osten-Sacken (cited in Beirne, 1985) Haliday had an intense desire to be useful, by imparting useful knowledge to others, unmindful of the amount of work it involved.

Haliday published his first paper on Braconidae when he was 27 and finished publishing on the family only seven years later. He also published on Diptera and Thysanoptera, and in all these groups his papers are fundamental. However, the small parasitic Hymenoptera was his special interest.

The purpose of this paper is to give an overview of what is left of the type material of Braconidae belonging to the Haliday collection and, as far as possible, to recognize types, to label them and to re-identify the taxa described by Haliday according to modern insights. The collection has been often neglected by subsequent workers on Braconidae (e.g. T.A. Marshall and G.E.J. Nixon). The history of the Haliday collection is well summarised by O'Connor & Nash (1982). At various times the collection has been badly neglected, partly because of the illness of Haliday, its subsequent removal of the collection to Italy, and finally, the death of Haliday himself. After Haliday's death the collection was curated in a rather cavalier fashion by some workers (O'Connor & Nash, 1982). In 1882, 12 years after his death, 78 boxes containing what remained of Haliday's entomological collection was presented to the Museum of Science and Art (now the National Museum of Ireland) at Dublin by Trinity College (Dublin).

In 1841 Haliday was already aware of the deteriorating condition of his collection. According to a letter to J.C. Dale (1792-1872) quoted in O'Connor & Nash (1982): "I am become quite a stranger to my own cabinet and as liable to make mistakes as a stranger would be and unfortunately many of my specimens are so huddled together for want of room that the labels are easily misapplied". In another letter to H. Loew (1807-1878) in 1867 (quoted in the same paper) an even more alarming situation is sketched: "During the last three years I was not able to give any attention to the preservation of my collection which had to undergo two removals of domicile without my superintendence to the packing and transport and I find they have suffered largely by mould and Anthreni. I have made a selection of the best that remained at the end of 1863 — the types of several new genera of Chalcididae and other Hymenoptera with some Diptera. But the business which occupied me in Dublin for months consequent on my mother's death left me no time to make use of these there and I brought them back to Italy in April 1864 in good condition. Unfortunately the loss subsequently fell upon these in especially the boxes I had left unarranged having been severely visited by the enemies named. Consequently I have lost many of my generic types which I shall be lucky if I succeed in replacing hereafter supposing I am able to follow the cheese again". Obviously in the early 1860's Haliday had most, if not all, of his collection removed to Italy, where he went to find relief from his nervous dyspepsia and probably lung complaints. There is no evidence that Haliday actually managed to replace any of the lost types when he was in Italy. After his death in 1870 the collection was shipped back to Ireland and held in the rooms of his friend E.P. Wright at Trinity College, Dublin. Most likely in the 12 years prior to its transfer to the museum, the collection was largely neglected (O'Connor & Nash, 1982).

A.W. Stelfox (architect by training, and employed as the museum's entomologist (1920-1948)) was the first curator (starting in the 1930's), to carefully arrange parts of the Braconidae systematically and to house them separately. He used additional data from Haliday's publications and manuscripts. In this paper most of Stelfox's informal designations are accepted. They are accurate in most cases (despite his refusal to use a microscope; Beirne, 1985), and they are here formalised if this has not already been done in other publications. Stelfox had one curious idiosyncrasy when labelling specimens as "types": he considered specimens of species not described by Haliday, and only identified by him as such, to be types as well. Normally these specimens are only of historical interest for understanding Haliday's interpretation. However, when the original types have been lost (e.g. of species described by Nees in the period 1812-1834), these specimens should be the basis of any re-interpretation of the names if Haliday was the first revisor, although neotypes preferably should be selected from well preserved and recently collected material.

### Recognition of type specimens

O'Connor & Nash (1982) summarised the problems surrounding the recognition of Haliday types. In most cases it is impossible to say whether a specimen pre-dates the description or post-dates it, as only very few specimens are dated. Circumstantial evidence (method of preparation, origin, position in the boxes, small differences from the original description) is essential to arrive at a fairly well founded decision. I accept the recommendations made by O'Connor & Nash (1982) for solving the problem of recognition, but it is prudent to allow also that if a specimen of an old collection (e.g. of Linnaeus, Haliday or Wesmael) agrees sufficiently well with the original description and conforms with current interpretation (but only if this agrees with the original description) and is in accordance with circumstantial evidence, it is considered to be part of the original type series.

The specimens in the Haliday collection have two main sources: Ireland (specimens collected by himself), and England (from Francis Walker (almost certainly collected at or in the vicinity of Southgate, Middlesex (Graham, 1982)). Some material from Charles Darwin is present (collected on the voyage of the "Beagle"), sent to Haliday by Walker from specimens originally passed to Waterhouse at the British Museum (K.G.V. Smith cited in O'Connor & Nash, 1982). It is clear that type material of Braconidae had been sent by Haliday in about 1846 (Graham, 1982) to Count M. Spinola (1780-1857; his collection now housed in the Regional Museum of Natural History, Turin). The catalogue by Casolari & Casolari Moreno (1980) has been used to trace possible type material; the number of specimens are indicated per species in the present paper, but the specimens have not been examined; at the most, they could be paralectotypes. The possible Haliday types in the Curtis collection (Melbourne), the Nationaal Natuurhistorisch Museum (Leiden), the former Deutsches Entomologisches Institute (Eberswalde) and the Natural History Museum (London) have been traced as far as possible and are included in this paper. In addition the Haliday collection contains a small series of Microgastrinae (now in the National Museum of Ireland) most likely identified by Peter Friedrich Bouché (1784-1856) which may contain syntypes of some species described by Bouché. In this paper I am not dealing with these

specimens, but since most or all Bouché's types of Braconidae seems to be missing in the Berlin Museum, this material is important for the interpretation of the species.

Essential for distinguishing between Haliday's Irish specimens and English specimens (received from Walker, and some from Curtis) is the way of their preparation, the kind of pins used and the number of the box the specimens were in before they were transferred to modern drawers, and as far as possible detecting traces of the colour coding, that was used for indicating provenance. A tiny green label or green pin head indicate Ireland, a rosy or reddish label England or generally British, and a white one Scottish. O'Connor & Nash (1982) give useful illustrations of Haliday's handwriting and the condition of the collection as it was received by the National Museum of Ireland. However, many specimens do not have any colour coding, or perhaps having lost it during repinning.

The Walker specimens are usually mounted on very regular cards (in this paper called "Walker-cards"), usually bearing a number written in pencil at the lower right or left hand corner with the pin centrally inserted in the card. The suggestion by Graham (1982), that these numbers could have been added by Haliday himself, is rejected; it is not his handwriting. In general, Walker glued his specimens with little glue on the cards and used long pins. Haliday usually applied a lot of glue and cut out the, often irregular, cards after mounting (in this paper called "Haliday cards") and used short pins asymmetrically inserted in the card. The position of specimens in the old arrangement is important; some of the Braconidae are still in the original boxes. Haliday's oldest material is mainly in the boxes with low numbers. Judging from e.g. the descriptions by Haliday, Walker did not send him any Braconidae prior to 1834.

Small amounts of Haliday's Braconidae have been found scattered about in cabinets and store-boxes (i.e. boxes numbered higher than 18). These Braconidae probably include specimens that were left over after incorporation by Haliday, specimens used for dissection by Haliday, material lent to other workers but not returned to the original boxes (O'Connor & Nash, 1982), acquisitions after the taxa had been published, as well as some that are extra-limital by origin (e.g. type specimens from Australia or the Caribbean). The following boxes contained Braconidae: box 6: some Aphidiinae, Opiinae and Alysiinae; box 7: Meteorini, Adeliinae and some Aphidiinae; box 8: Blacinae, Euphorinae, Charmontinae, Helconinae and some Rogadinae; box 9: Rogadinae (*Aleiodes*), Doryctinae (*Spathius*), Blacinae, Opiinae (*Ademon*), Euphorinae (*Centistes*) and some Aphidiinae (*Praon*); box 10: Alysiinae-Dacnusiini, Aphidiinae, Alysiinae from Walker; box 11: Alysiinae-Dacnusiini, Blacinae; box 14: Microgastrinae; box 18: Italian Braconidae (still together mounted on large cards); box 25: Braconinae (*Bracon*), Agathidinae, Ichneutinae, Aphidiinae from Walker (long pins!), dissected specimens; box 28: Opiinae, Rogadinae (*Clinocentrus*, *Aleiodes*), Euphorinae, Adeliinae, Aphidiinae (*Aphidius*); box 30: Italian Braconidae (still together mounted on large cards); box 72: Norwegian Walker specimens of several subfamilies of Braconidae. For the genus *Alysia* the arbitrary decision was taken not to accept specimens (in general) from boxes later than number 10, because it was obvious that Haliday had all (or nearly all) his specimens for his 1839 paper stored in boxes 6 and 10. In general there is reasonable evidence from the specimens (colour, sex, method of labelling (as far as present) and preparation) that Haliday mainly stopped adding material to the boxes in which he stored the type series after publication. The main reason may be that hardly any

space was left (and later re-arrangements by Haliday messed up parts), consequently more recent specimens were put in other boxes, more or less in the batch as received (e.g. the specimens received from Walker). Therefore, it seems best to exclude from type series the specimens found in the boxes numbered 18 and higher, that were filled later, and to consider the material of a series found in boxes 6 and 10 as potentially part of the type series. Obviously, this does not count for specimens from outside Europe, which were excluded from the core-collection, or for dissected specimens.

If Haliday put "fem." in front of a sentence at the end of the description he had both sexes available (e.g. of *Opius pendulus*). However, if he had only one sex, he put this at the end of this sentence (e.g. of *Opius victus*: "terebra exerte brevissima, fem."). The few labels added to specimens should be carefully interpreted; several of the well-legible name labels written by Haliday were added when material came in after publication, and these specimens can be recognised by being outside the core-collection and mixed with specimens bearing name-labels with later published names (especially species described by Nees). Stelfox added "British Haliday" labels without discrimination between Irish specimens and those from other parts of the British Isles.

The Haliday collection was a mess when Stelfox started to re-arrange the collection; he sorted most subfamilies, but when I started I found that the Microgastrinae were still in that condition. Assessment of type status was done by me by comparing the specimens with the original description, sometimes by the possession of a locality label, the kind of pins used, the way of preparation, or the degree of dissection. In most cases one will never be completely sure, but if everything fitted and the specimens came from the old part of the collection (bearing a low box number) they were assumed to be syntypes. To check my conclusions, the specimens sent to the Entomological Society of London by Haliday are of crucial importance, and the specimens retrieved so far have confirmed that I am correct. On my behalf Mr T. Huddleston was able to find 5 out of the 13 species sent by Haliday, all have a square label with a (rather) thinly written number, usually with a dot, and below it a bluish-grey round Entomological Society label with a thickly written number. The specimens are mostly glued on an irregularly shaped card with the pin in the bottom right corner, unless the corners are cut off, in which case the pin is in the middle. The amount of glue used is moderate to little. Some specimens are on a very narrow card triangle ("card points") or on short pins. Specimens of the following species should be in BMNH but could not be found: *Microgaster arenarius* (according to Wilkinson (1945) there was a card (1 ♀ + 1 ♂) with no. 12), *M. candidatus*, *M. decorus*, *M. fulvipes*, *M. infimus*, *M. mediator*, *M. messorius*, and *M. spinolae*.

In the Haliday collection are 242 species described by him, of which in most cases syntypes are present. In addition type specimens of three other species are present and they are included in this paper; for convenience all (sub)generic names of Braconidae published by Haliday are also included. Haliday described almost exclusively his new species from the British Isles (Ireland, England, and the Hebrides), but some are from Norway (donated by Walker, in box 72), Australia and the Caribbean (St. Vincent). Haliday may have received some of Darwin's insects from Australia (Smith, 1987: 33) since in boxes 28 and 73 specimens from "N. Holland" are present, but only one type specimen of Braconidae was found among them. Haliday sent syntypes to Curtis (now in the Curtis Collection, Abbotsford, Victoria), to the Entomological Soci-

ety Museum, London (specimens numbered by Haliday, referring to a list, with numbers which agree with those in the Entomological Magazine (Haliday in his letter to the Entomological Society)), to Snellen van Vollenhoven (specimens numbered and listed by Haliday, received in 1869, and specimens now in the Nationaal Natuurhistorisch Museum, Leiden), and Westwood (a few specimens of Euphorinae in the Oxford University Museum, Oxford). The specimens sent to the Entomological Society Museum were transferred to the BMNH in 1863. The specimens sent by Haliday to other institutes (e.g. the specimens now in the Deutsches Entomologisches Institut, Eberswalde) are not syntypes except for a few exceptions (because of their preparation, the pins used, labelling, in some cases the date of collection being after the date of publication of the species, or being of species not described by Haliday). At least some specimens from the Haliday collection may have been lost during transport to or from Walker or Curtis because of the foundering of a steamer in the British Channel (Stelfox in Wilkinson, 1931) quoting a statement in an old volume of the "Entomologist". I was unable to see the specimens returned to G.C. Hyndman, which should be in the Ulster Museum, Belfast (Nash, 1983). In NMI there is a transcription of George C. Hyndman's catalogue of his insect collection. The catalogue was sent in 1929 to Stelfox and returned to the Ulster Museum in 1931. In his catalogue are several numbers (12, 15, 150, 168) concerning specimens he got (?back) from Haliday, presumably types of Haliday species that Haliday had received from Hyndman as stated in their description.

According to Art. 94c of the International Code on Zoological Nomenclature, a specimen once considered to be the holotype, automatically becomes the lectotype if it is likely that the author had a type series consisting of more than one specimen, even if later discovered syntype specimens are in a much better condition or better fit the original description. A complication was created by Wharton (1980) in his Ph. D. thesis on the Nearctic Alysini because he only mentioned "lectotypes" for several *Alysia* species described by Haliday, without stating it to be a formal designation or labelling the specimens as such. Nevertheless, Dr Wharton (in litt.) intended this to be the case and later sent labels to the curator of the Haliday collection. In this paper, his view is accepted. However, in case any future investigator doubts this procedure, I formally state that specimens referred to in this paper as lectotypes informally selected by Wharton are formally designated "lectotype" in this paper to avoid any doubt about the status of the specimens. Regrettably, Stelfox (in Griffiths, 1966) designated several lectotypes, but neither labelled them as such, nor the paralectotypes. His only hint is that he labelled these specimens "Type" in 1932. Even more regrettable is that in some cases this clue is wrong (e.g. no specimen labelled in 1932) and I have to designate a syntype as lectotype in this paper.

### **Date of publication of Haliday's papers on Braconidae**

There exists some confusion concerning the exact dates of publication of Haliday's papers. For instance, Fischer (1972b) gives "1837" as the date of publication for the Opiinae part of Haliday's paper published in Ent. Mag. 4: 203-221. This part is included in the third issue of the volume, which has on its frontispiece the date of completion of the whole volume, thus (at least) the last issue (together with the fron-

tispiece) was published in 1837. Since Haliday's paper on the Opiinae is not in one of these last issues, it has to be assumed (as long as no additional information is available) that the date indicated on the issue itself (1836) is correct, as given by Horn & Schenkling (1928). Combining all the evidence (including the list of received journals published in the Mag. Nat. Hist. during 1835-1837), I arrive at the following dates for Haliday's publications on Braconidae:

Journal/book	pages	date
— Ent. Mag. 1(iii):	259-276	1833a
— Ent. Mag. 1(v):	480-491	1833b
— Ent. Mag. 2(ii):	93-106	1834a
— Ent. Mag. 2(iii):	225-259	1834b
— Ent. Mag. 2(v):	458-468	1835a
— Ent. Mag. 3(i):	20-45	1835b
— Ent. Mag. 3(ii):	121-147	1835c
— Ent. Mag. 4(i):	38-59	1836a
— Ent. Mag. 4(ii):	92-106	1836b
— Ent. Mag. 4(iii):	203-221	1836c
— Trans. Linn. Soc. London 17:	316-331	1836d
— Ent. Mag. 5(iii):	209-248	1838
— Ent. Mag. 5(v): (addendum)	519	1839a
— Hym. Britt. 2:	1-28	1839b
— (chapter in Westwood):	61-65	1840

Notes.— When Haliday started his series of publications on Braconidae several other important publications on Braconidae appeared almost simultaneously, viz., Curtis, (1833, 1834, 1837), Nees (1834a), Bouché (1834), Wesmael (1835-1838), and Herrich-Schäffer (1838) describing partly the same species under different names (or same names in case of the Curtis (1833, 1834)). Haliday's (April 1833a) first publication on Braconidae pre-dates Curtis (November 1833), as is also evident because Curtis cites Haliday's paper. Nees (1834a; July or earlier, see Wesmael, 1835) has priority over Haliday (1834a; July or later), and Curtis, (1834; August); in part Nees (1834) has priority over Bouché (1834; December), but only regarding the first volume (Nees, 1834a), as the second volume (Nees, 1834b) appeared after Bouché (1834), see Nees (1834b: 404). Ms P. Gilbert (former librarian of BMNH; in litt.) could not find an actual date of publication of the book by Bouché. In the absence of this knowledge it has to be assumed to have been available in December 1834; but the actual date is probably before December because Nees (1834b) refers to it. Finally, Haliday (1835a, 1835b; October or earlier) pre-dates Wesmael (1835; later than October).

### List of taxa described by Haliday

#### *abdita* Haliday, 1839

*Alysia* (*Dacnusa*) *abdita* Haliday, 1839b: 13.

*Dacnusa abdita*; Shenefelt, 1974: 1082-1083.

Type-material.— Lectotype here designated, ♀ (NMI), "Box 10 A.W.S./British Haliday, 20.ii.[18]82" (probably Irish; glued on an irregular Haliday card). Paralectotypes: 2 ♀♀, (NMI; (1 ♀ with "*abditum*, ♀ A.W.S.,



17.12.32"), and 10 ♂♂, partly Walker's, partly collected by Haliday, all from box 10; 1 ♂ (RMNH), "18", "Halid., Ierland" (indeed Irish, on Haliday card). Four specimens from box 28 are excluded.

Valid name.— *Dacnusa abdita* (Haliday, 1839) (Alysiinae).

***abjectus* Haliday, 1833**

*Aphidius* (*Praon*) *abjectus* Haliday, 1833b: 485.

*Praon abjectum*; Mackauer, 1961: 101, 1968: 14 (incorrectly stated to originate from England; has a green label which means it is an Irish specimen (Haliday, cited by Mackauer, 1961)).

Type-material.— Lectotype designated by Mackauer (1961), ♀ (BMNH), "B.M. Type Hym. 3.c.66". Paralectotype: 1 ♀ (BMNH) on same card.

Valid name.— *Praon abjectum* (Haliday, 1833) (Aphidiinae).

***aceris* Haliday, 1833**

*Aphidius* (*Trioxys*) *aceris* Haliday, 1833b: 490. Unjustified nomen novum for *Aphidius cirsii* Curtis, 1831.

*Trioxys aceris*; Mackauer, 1959: 161, 1961: 145 ("Holotypus", ♀), 1968: 70.

*Aphidius cirsii* Curtis, 1831: 383-6.

Type-material.— Neotype of *Aphidius cirsii*, ♀ (BMNH), "B.M. Type Hym. 3.c.80" designated by Mackauer (1959: 161). The same specimen was considered to be the holotype of *A. aceris* by Mackauer (1961: 145) but this is incorrect, as a nom. nov. possesses the type of the taxon it is supposed to replace. The neotype had been sent to London by Haliday as *Aphidius aceris* and originates from Ireland.

Valid name.— *Trioxys cirsii* (Curtis, 1831) (Aphidiinae).

***accinctus* Haliday, 1835**

*Leiophron* (*Leiophron*) *accinctus* Haliday, 1835a: 465.

*Leiophron accinctus*; Shenefelt, 1969: 36.

*Peristenus accinctus*; Loan, 1974: 210, 214 (lectotype designation, ♂).

Type-material.— Holotype, probably ♀ (NMI), "Box 39 A.W.S./British Haliday, 20.ii.[18]82 (on a regular card from Walker with number "6")", "*accinctus* ♀? A.W.S.", "Lectotype *Peristenus accinctus* (Haliday)", "*Peristenus accinctus* (Hal.). Det. C.C. Loan". It is the only specimen present that has the protruding tubercles of the first metasomal tergite (mentioned by Haliday); vein r of fore wing is absent (resulting in an acute marginal cell of fore wing (name!)), and antenna with 22 segments. Two other specimens from box 39 are excluded, because they do not fit the original description and because Haliday most likely described this species from one presumed male specimen (the sex of the holotype is difficult to see as a result of its preparation; it is probably a female).

Valid name.— *Peristenus accinctus* (Haliday, 1835) (Euphorinae).

*Acaelius* Haliday, 1834, see *Adelius*.

*Acoelius* Haliday, 1835, see *Adelius*.

***adducta*** Haliday, 1839

*Alysia (Dacnusa) adducta* Haliday, 1839b: 13-14; Stelfox (in Griffiths), 1966: 931 (lectotype designation, but giving the wrong date on label (1933 instead of 1932 according to designation)).  
*Dacnusa adducta*; Shenefelt, 1974: 1083.

Type-material.— Lectotype designated by Stelfox (1966), ♂ (NMI), "724", "Box 10 A.W.S./British Haliday, 20.ii. [18]82" (British is incorrect; mounted on an elongate Haliday card: Irish), "*Dacnusa adducta* Hal., ♂. Type A.W.S., 28.iii. 1933" One fore wing is missing. Paralectotype: 1 ♂, (NMI); on same card as lectotype.

Valid name.— *Agonia adducta* (Haliday, 1839) (Alysiinae).

***Adelius*** Haliday, 1833

*Adelius* Haliday, 1833a: 262; Shenefelt, 1973a: 670; Marsh, 1979a: 240. Type species (by monotypy): *Adelius subfasciatus* Haliday, 1833.  
*Acaelius* Haliday, 1834b: 231 (correction by Haliday of *Adelius* Haliday, 1833, which is a "lapsus calami", but see note below); Shenefelt, 1973a: 670-675; Mason, 1985: 896. Type species (by implication): *Adelius subfasciatus* Haliday, 1833.  
"*Acoelius* Haliday", 1835: 539 (= incorrect citation in index by the editor); Shenefelt, 1973a: 670. Type species (by implication): *Adelius subfasciatus* Haliday, 1833.  
*Pleiomerus* Wesmael, 1837: 67; Shenefelt, 1973a: 670. Type species (by monotypy): *Adelius subfasciatus* Haliday, 1833.  
*Anomopterus* Rohwer, 1914: 80; Shenefelt, 1973a: 670. Type species (by original designation): *Anomopterus fasciipennis* Rohwer, 1914.

Note.— According to the strict rules of the International Code of Zoological Nomenclature (Art. 32; Mason, 1985) the author is not allowed to correct an incorrect spelling in a later paper. In this case the variant *Adelius* caused by the printer (Haliday never saw galley proofs!) is the valid name, despite that its being an obvious mistake.

***Ademon*** Haliday, 1833

*Ademon* Haliday, 1833a: 266, 1836b: 104; Fischer, 1972b: 61; Marsh, 1979a: 198. Type species (by monotypy): *Ademon decrescens* (Nees, 1812).  
*Giardinaia* de Stefani-Perez, 1902: 631. Type species (by monotypy): *Giardinaia urinator* de Stefani-Perez, 1902).  
*Analostania* Viereck, 1916: 165. Type species (by original designation): *Analostania tenuipes* Viereck, 1916).

***aemulus*** Haliday, 1836

*Opius (Opius) aemulus* Haliday, 1836c: 212-213.  
*Opius (Utetus) aemulus*; Fischer, 1972b: 149.

Type-material.— Holotype, ♀ (NMI), from box 6, on triangular Walker card, "*Opius aemulus* Hal., ♀, type, A.W.S. 8.2.1946".

Valid name.— *Apodesmia aemula* (Haliday, 1836) **comb. nov.** (Opiinae).

*Aenone* Haliday, 1833, see *Trachionus*.

***aethiops* Haliday, 1836**

*Opius* (*Opius*) *aethiops* Haliday, 1836c: 212.

*Opius* (*Apodesmia*) *aethiops*; Fischer, 1972b: 118.

Type-material.— Lectotype here designated, ♂ (NMI), on Walker card, "177" [on reverse side].

Valid name.— *Phaedrotoma aethiops* (Haliday, 1836) **comb. nov.** (Opiinae).

***albipennis* Haliday, 1834**

*Microgaster albipennis* Haliday, 1834b: 243.

*Apanteles halidayi* Marshall, 1872: 105 (nom. nov. for *M. albipennis* Haliday, 1834, not *M. albipennis* Nees, 1834; Shenefelt, 1972: 527-528; Nixon, 1972: 726; Papp, 1979: 246.

Type-material.— Lectotype here designated (agrees with ♀ in BMNH), ♀ (NMI), from box 14, no number. Paralectotypes: 1 ♀+1 ♂ (NMI), ♂ on card, ♀ pinned and numbered "411"; 1 ♀ (BMNH), on irregular hexagonal Haliday card, "18", "63/53", "*Apanteles halidaii* [sic!] Marsh., D.S. Wilkinson det. 1939".

Valid name.— *Apanteles halidayi* Marshall, 1872 (Microgastrinae).

***albipes* Haliday, 1839**

*Alysia* (*Dacnusa*) *albipes* Haliday, 1839b: 10; Stelfox (in Griffiths), 1966: 931 (lectotype designation).

*Chorebus albipes*; Shenefelt, 1974: 1036.

Type-material.— Lectotype designated by Stelfox (1966), ♂ (NMI), "538", "Box 10 A.W.S./British Haliday, 20.ii.[18]82 (British is incorrect; mounted on an regular Haliday card: Irish), "*Dacnusa albipes* Hal., ♂. Type! A.W.S. 27.12.1932". Paralectotypes: 2 ♂ ♂, (NMI) on Haliday cards. A Walker specimen from box 10 (probably ♂) is excluded.

Valid name.— *Chorebus albipes* (Haliday, 1839) (Alysiinae).

***Alloea* Haliday, 1833**

*Alloea* Haliday, 1833a: 265; Shenefelt, 1974: 938-939. Type species (by monotypy): *Alloea contracta* Haliday, 1833.

*Diapasta* Foerster, 1862: 265; Shenefelt, 1974: 939. Type species (by original designation): *Alloea contracta* Haliday, 1833.

*Lamadatha* Cameron, 1900: 538; Shenefelt, 1974: 939. Type species (by monotypy): *Lamadatha testaceipes* Cameron, 1900 (? = *Alloea contracta* Haliday, 1833).

***ambiguus* Haliday, 1834**

*Aphidius* (*Aphidius*) *ambiguus* Haliday, 1834a: 104-105.

*Lysiphlebus ambiguus*; Mackauer, 1961: 136 ("Holotypus, ♀"), 1968: 25 (incorrectly stated to originate from England).

*Lysiphlebus* (*Adialytus*) *ambiguus*; Tremblay & Eady, 1978: 181-183.

*Lysiphlebus arvicola* Stary, 1961: 98-100; Tremblay & Eady, 1978: 181, 183 (synonymy).

Type-material.— Lectotype indirectly designated by Mackauer (1961), according to Art. 94c of the Code, ♀ (BMNH), "B.M. Type Hym. 3.c.104".

Valid name.— *Adialytus ambiguus* (Haliday, 1834) (= *Adialytus arvicola* (Stary, 1961)) (Aphidiinae).

Note.— *Lysiphlebus ambiguus* auctt. nec Haliday, 1834 is *L. confusus* Tremblay & Eady, 1978.

#### ***ambulans* Haliday, 1835**

*Blacus* (*Ganychorus*) *ambulans* Haliday, 1835b: 43-44; van Achterberg, 1988b: 93.

*Blacus ambulans*; Shenefelt, 1969: 16.

Type-material.— Lectotype designated by van Achterberg (1988: 93), ♀ (NMI), from box 8, mounted on regular Haliday card. Paralectotypes: 1 ♀ (NMI) mounted on similar card as lectotype; 2 ♀♀ on one card (var. β of Haliday), with "*ambulans*" in Haliday's handwriting (the metasoma is missing). Excluded: 4 ♀♀ from box 28. Not examined: 1 specimen (SCT).

Valid name.— *Blacus* (*Ganychorus*) *ambulans* (Haliday, 1835) (Blacinae).

#### ***ancilla* Haliday, 1838**

*Alysia* (*Alysia*) *ancilla* Haliday, 1838: 227.

*Tanycarpa ancilla*; Shenefelt, 1974: 1026.

*Bassus bicolor* Nees, 1814: 207.

*Tanycarpa bicolor*; Shenefelt, 1974: 1026.

Type-material.— Lectotype here designated, ♀ (NMI), "495", "Box 6 A.W.S./British Haliday, 20.ii. [18]82 (British is possibly incorrect; mounted on an elongate Haliday card), "*Alysia ancilla* Hal., ♀, Type!, A.W.S., 20.ii.1940". Paralectotypes: 1 ♀ + 6 ♂♂ (NMI) from box 6; 2 ♂♂ (NMI; dissected) and 2 ♀♀ (NMI; dark specimens) from box 10. Specimens from boxes 25 and 28 excluded. Not examined: 1 specimen (SCT).

Valid name.— *Tanycarpa bicolor* (Nees, 1814) (Alysiinae).

*Ancylus* Haliday, 1833, see *Centistes*.

#### ***angelicae* Haliday, 1833**

*Aphidius* (*Trioxys*) *angelicae* Haliday, 1833b: 489-490.

*Trioxys* (*Binodoxys*) *angelicae*; Mackauer, 1961: 148 ("Holotypus, ♀").

*Binodoxys angelicae*; Mackauer, 1968: 76.

Type-material.— Lectotype indirectly designated by Mackauer (1961), according to Art. 94c, ♀

(BMNH), "B.M. Type Hym. 3.c.83". Paralectotype: 1 ♀ (NMI), in box 10, with "ang." on reverse side of card in Haliday's handwriting.

Valid name.— *Binodoxys angelicae* (Haliday, 1833) (Aphidiinae).

***angustula* Haliday, 1838**

*Alysia (Alysia) angustula* Haliday, 1838: 229.

*Pentapleura angustula*; Shenefelt, 1974: 1001-1002.

Type-material.— Lectotype here designated (has 17 antennal segments), ♀ (NMI), "492", "Box 6 A.W.S./British Haliday, 20.ii.[18]82" (British is incorrect; mounted on an irregular Haliday card: Irish), "*Alysia angustula* Hal., ♀, Type!, A.W.S., 9.i.1941". Paralectotypes: 6 ♀♀ + 3 ♂♂ (NMI) from box 6; 1 ♀ (NMI; partly dissected) and 1 ♂ (NMI) from box 10. Specimens from box 25 are excluded. Not examined: 1 specimen (SCT).

Valid name.— *Pentapleura angustula* (Haliday, 1838) (Alysiinae).

***annularis* Haliday, 1834**

*Microgaster annularis* Haliday, 1834b: 244-245.

*Apanteles annularis*; Shenefelt, 1972: 442; Nixon, 1972: 711 (very similar to *A. emarginatus* (Nees, 1834)); Papp, 1980: 245.

*Dolichogenidea annularis*; Papp, 1988: 146.

Type-material.— Lectotype here designated (agrees with specimens in BMNH), ♀ (NMI), "cotype", "*annularis*" in Haliday's handwriting, "Box 14, A.W.S./British Haliday, 20.ii.[18]82" [incorrect; Irish], "*Apanteles annularis* Hal., det. D.S. Wilkinson, cotype". Paralectotypes: 3 ♀♀ + 3 ♂♂ (NMI), one ♀ with "willow" (is var. of Haliday!). The rest (NMI, BMNH) consists of Walker specimens some of which were seen by Wilkinson, all from box 25 and excluded; one ♀ specimen in BMNH has a lectotype label (probably by Wilkinson), but it is a Walker specimen too and excluded. In NMV 2 ♀♀ belonging to *A. annularis* but both are Walker specimens and therefore excluded.

Valid name.— *Apanteles annularis* (Haliday, 1834) (Microgastrinae).

***antennalis* Hincks, 1943**

*Leiophron (Leiophron) picipes*; Haliday, 1835a: 464 (not *L. picipes* Curtis, 1833).

*Leiophron antennalis* Hincks, 1943b: 101, 1943c: 223 (nom. nov. for *Leiophron picipes* Haliday, 1835 nec *L. picipes* Curtis, 1833); Shenefelt, 1969: 45 (as synonym of *L. picipes* Curtis, 1833).

Type-material.— Lectotype of *L. antennalis* here designated, ♀ (NMI), "99", on old dirty Haliday card, "Box 8 A.W.S./British Haliday, 20.ii.[18]82 (incorrect; Irish), "*picipes* Hal.?, ♀ Type?, A.W.S. 29.v.1948", "*Euphorus picipes* Hal. (non Curtis), ♀, Type, A.W.S., 21.iii.1949".

Valid name.— *Peristenus antennalis* (Hincks, 1943) **comb. nov. & stat. nov.** (Euphorinae).

Notes.— There is no "type" of "*Euphorus picipes* Hal." as was assumed by Stelfox, because Haliday refers to Curtis and it obviously concerns a misidentification by Haliday of *Leiophron picipes* Curtis.

The lectotype has 18 antennal segments (robust, moniliform), vein cu-a of hind wing present, the mesoscutum distinctly remotely punctulate, the frons largely smooth, the notauli smooth, vein 1R1 of fore wing about equal to height of pterostigma, length of body 2.3 mm, no distinct vein r of fore wing and first metasomal tergite moderately slender. It is most likely a valid species near *P. accinctus* (Haliday).

***apicalis* Haliday, 1833**

*Leiothron apicalis* Haliday, (April) 1833a: 264, 1835a: 466.

*Leiothron apicalis* Curtis, (November) 1833: 476; Shenefelt, 1969: 36-37; Loan, 1974: 234 (lectotype designation).

Type-material.— Lectotype here designated (= lectotype of *L. apicalis* Curtis designated by Loan (1974)), ♀ (NMV). In NMI no paralectotypes have been found.

Valid name.— *Leiothron apicalis* Haliday, 1833 (Euphorinae).

***arenarius* Haliday, 1834**

*Microgaster arenarius* Haliday, 1834b: 2446.

*Apanteles arenarius*; Papp, 1980: 254 (as synonym of *A. obscurus* (Nees)), 1988: 149.

*Microgaster obscurus* Nees, 1834a: 182.

*Apanteles obscurus*; Shenefelt, 1972: 584-585; Nixon, 1976: 700-701; Papp, 1980: 254, 1988: 149.

Type-material.— Lectotype here designated (agrees with specimens in NMV), ♀ (NMI), "Pt Marn. [= Portmarnock, a sandy (as expressed in the name!) area near Dublin]". Paralectotypes: 2 ♀♀ + 3 ♂♂ (NMI), all Irish Haliday specimens; 1 ♀ + 1 ♂ (NMV) with "*arenarius*" in Haliday's handwriting. Two ♂♂ (NMV; obviously collected by Curtis), and 1 ♀ + 1 ♂ (NMI) are excluded.

Valid name.— *Apanteles obscurus* (Nees, 1834) (Microgastrinae).

Note.— Wilkinson (1945: 187) reported a card with two specimens ("no. 12") of Haliday specimens in BMNH (which could not be traced) and strangely enough he designated on the same page a ♀ in the Reinhard collection (ZMB) as neotype!

***arundinis* Haliday, 1834**

*Aphidius (Aphidius) arundinis* Haliday, 1834a: 104.

*Aphidius arundinis*; Mackauer, 1961: 113 (lectotype designation), 1968: 49 (incorrectly stated to originate from England); Stary, 1973: 31.

*Aphidius (Aphidius) matricariae* Haliday, 1834: 103; Mackauer, 1968: 49.

Type-material.— Lectotype designated by Mackauer (1961), ♀ (BMNH), "B.M. Type Hym. 3.c.92". Paralectotype: 1 ♀ (BMNH).

Valid name.— *Aphidius matricariae* Haliday, 1834 (Aphidiinae).

***astarte* Haliday, 1838**

*Alysia (Alysia) astarte* Haliday, 1838: 229-230; Shenefelt, 1974: 941.

*Gnathopleura astarte*; Wharton, 1980: 40.

Type-material.— Lectotype designated (see introduction) by Wharton (1980: 40), ♀ (NMI), “St. Vincent?, ex F. Walker”, “Box 10 A.W.S./Haliday 20.ii.[18]82, “*Alysia astarte* Hal., ♀, Type!, A.W.S., 1.iii.1934”. Paralectotypes: 1 ♀ + 1 ♂ (NMI) from box 10.

Valid name.— *Gnathopleura astarte* (Haliday, 1838) (Alysiinae).

***asteris* Haliday, 1834**

*Aphidius (Aphidius) asteris* Haliday, 1834a: 100-101.

*Aphidius asteris*; Mackauer, 1961: 113 (lectotype designation), 1968: 43-44 (incorrectly stated to originate from England); Stary, 1973: 5.

?*Aphidius absinthii* Marshall, 1896: 605-606; Stary, 1973: 5-9.

Type-material.— Lectotype designated by Mackauer (1961), ♀ (BMNH), “B.M. Type Hym. 3.c.105”. Paralectotype: 1 ♂ (BMNH), on the same card; 2 ♂♂ (NMI), one with “*aster.*” in Haliday’s handwriting from box 7. Excluded are the remnants of 3 other specimens (NMI).

Valid name.— *Aphidius asteris* (Haliday, 1834) (Aphidiinae).

***atra* Haliday, 1838**

*Alysia (Alysia) atra* Haliday, 1838: 230; Stelfox, 1941: 11-12 (lectotype designation); Shenefelt, 1974: 941.

*Alysia (Anarcha) atra*; Wharton, 1988: 23.

Type-material.— Lectotype designated by Stelfox (1941), ♀ (NMI), “8” (green label; Irish), “*atra*” in Haliday’s handwriting, “477”, “Box 6 A.W.S. 9.iv.[19]38/Ireland, Haliday, 20.ii.[18]82”, “*Alysia atra* Hal. fide Haliday, Type!, A.W.S., 9.iv.1938”. Paralectotypes: 1 ♀ + 1 ♂ (NMI) from box 6. Excluded 7 specimens (NMI) from boxes 28, 67, and 77 (Norway).

Valid name.— *Alysia atra* (Haliday, 1838) (Alysiinae).

***auctus* Haliday, 1833**

*Aphidius (Trioxys) auctus* Haliday, 1833b: 489.

*Trioxys auctus*; Mackauer, 1961: 145 (lectotype designation), 1968: 69 (incorrectly stated to originate from England).

Type-material.— Lectotype designated by Mackauer (1961), ♀ (BMNH), “B.M. Type Hym. 3.c.81”. Paralectotypes: 2 ♀♀ (BMNH), 3.c.81; 1 ♂ + 4 ♀♀ (NMI), some with “*Salix*” or “*willow*” in Haliday’s handwriting, from box 10.

Valid name.— *Trioxys auctus* (Haliday, 1833) (Aphidiinae).

***aurora* Haliday, 1838**

*Alysia (Alysia) aurora* Haliday, 1838: 217-218.

*Trachyusa aurora*; Shenefelt, 1974: 1028; van Achterberg & O’Connor, 1990: 108-109 (lectotype designation).

Type-material.— Lectotype designated by van Achterberg & O'Connor (1990), ♀ (NMI), "1b86" on reverse side of Walker card, "Box 6 A.W.S./British, Haliday, 20.ii.[18]82 "*Alysia aurora* Hal., ♀, Type!, A.W.S., 17.x.1936". Paralectotypes: 2 ♂♂ (NMI) from box 6 and 10, the latter dissected; 1 ♂ (RMNH), "1b113" on reverse side of card, "Halid., Anglia". The 11 specimens from box 25 are excluded, because they are most likely added after the description was published.

Valid name.— *Trachyusa aurora* (Haliday, 1838) (Alysiinae).

***avenae* Haliday, 1834**

*Aphidius* (*Aphidius*) *avenae* Haliday, 1834a: 99 (published as synonym of *A. picipes* (Nees, 1812), but available because it has been used as valid species before 1962).

*Aphidius avenae*; Mackauer, 1961: 114 (lectotype designation), 1968: 44 (incorrectly stated to originate from England); Eady, 1969: 168; Stary, 1973: 39 (as synonym of *A. picipes* (Nees)).

*Bracon picipes* Nees, 1812: 28; Opinion 284 (1954): 3 (placed on Official Index of rejected and invalid specific names in Zoology as name no. 67).

*Aphidius picipes*; Mackauer, 1968: 52; Stary, 1973: 39-42.

Type-material.— Lectotype designated by Mackauer (1961), ♀ (BMNH), "B.M. Type Hym. 3.c.96". Paralectotypes: 1 ♀ + 2 ♂♂ (BMNH), 3.c.96.

Valid name.— *Aphidius avenae* Haliday, 1834 (Aphidiinae).

***bajulus* Haliday, 1836**

*Opius* (*Opius*) *bajulus* Haliday, 1836c: 214.

*Opius* (*Utetus*) *bajulus*; Fischer, 1972b: 88-90, figs 71-73.

Type-material.— Holotype, ♀ [according to original description ♂, but genitalia difficult to examine] (NMI), with red (= English) label "*isis*" (MS-name), "133" on Walker card, from box 9, "*Opius bajulus* Hal., ♂, Type!, A.W.S. 22.xi.1947".

Valid name.— *Xynobius bajulus* (Haliday, 1836) **comb. nov.** (Opiinae).

***balteatus* Curtis, 1834**

"*Rogas balteatus* Haliday"; Shenefelt, 1980: 34.

*Rogas balteatus* Curtis, [August] 1834: no. 512, fig., 1837: 121 (as synonym of *R. alternator* Nees, [≤ July] 1834); Shenefelt, 1975: 1175 (as synonym of *Aleiodes geniculator* Nees, 1834 var. *alternator* Nees, 1834).

Type-material.— Holotype could be in the Haliday collection (NMI), because Curtis cited it as "*balteatus* Hal., MSS", and stated that it is "in the cabinet of Mr. Haliday", but it has not been found for certain. Incorrectly attributed to Haliday by Shenefelt (1978), because the description is by Curtis, who obviously had seen a specimen. When Curtis used a description provided by Haliday he added inverted commas to the description (e.g. as in *Rogas nobilis* Haliday in Curtis, 1834).

Valid name.— *Aleiodes alternator* (Nees, 1834) (Rogadinae).



***biglumis* Haliday, 1836**

*Rogas (Pambolus) biglumis* Haliday 1836a: 50.

*Pambolus biglumis*; Shenefelt, 1975: 1160; Belokobylskij, 1986b: 24-26.

Type-material.— Holotype from France not found in Haliday collection (NMI). Excluded: 1 ♂ (RMNH), identified by Haliday as *R. biglumis* and collected by him in Tuscany, Italy.

Valid name.— *Pambolus biglumis* (Haliday, 1836) (Pambolinae).

***blandus* Haliday, 1836**

*Opius (Opius) blandus* Haliday, 1836c: 220.

*Biosteres (Chilotrichia) blandus*; Fischer, 1972b: 494.

Type-material.— Lectotype here designated, ♂ (NMI), "Box 6, A.W.S./Ireland Haliday, 20.ii.[18]82", "*Opius blandus* Hal., ♂, Type!, A.W.S., 5.iii.1936".

Valid name.— *Chilotrichia blanda* (Haliday, 1836) **comb. nov.** (Opiinae).

***braconius* Haliday, 1833**

*Colastes braconius* Haliday, 1833a: 266; Shenefelt, 1975: 1117-1119.

*Rogas (Colastes) braconius* Haliday, 1836a: 57-58.

Type-material.— Lectotype here designated, ♀ (NMI), on septangular Haliday card, with green label [= Irish]. Paralectotypes: 5 ♀♀ + 5 ♂♂ (NMI), all Irish specimens; 2 ♀♀ (NMV) with "18" on small label, and one with "*Colastes orbiculator* ♀", most likely a MS name added by Haliday when he sent the specimens off to Curtis. Excluded are: 1 ♂ (NMV) without number; 3 ♀♀ + 6 ♂♂ (NMI) from Walker (most probably not yet received in 1833).

Valid name.— *Colastes braconius* (Haliday, 1833) (Exothecinae).

***brevicollis* Haliday, 1835**

*Perilitus (Perilitus) brevicollis* Haliday, 1835b: 35.

*Microctonus brevicollis*; Shenefelt, 1969: 104-105; Loan, 1975: 38-39 (redescription).

Type-material.— Holotype, ♀ (OUM), "*Microctonus brevicollis*, Hope Coll.; Type OUM". Specimen in NMV cannot be type, as it was collected 6.vii.1847.

Valid name.— *Microctonus brevicollis* (Haliday, 1835) (Euphorinae).

Note.— The specimen is re-pinned with a late 19th-century pin and the specimen has been re-prepared on two separate cards, the lower one is moreover rather recently added. Also the labels are later additions, probably 20th century. Despite these changes it is fairly certain from the method of preparation and the agreement with the original description that this is the holotype of *P. brevicollis* sent (with other Haliday specimens) by Haliday to Westwood, who was interested in Euphorinae.

***brevicornis* Haliday, 1833**

*Aphidius* (*Trioxys*) *brevicornis* Haliday, 1833b: 491 (not *A. brevicornis* Nees, 1834).

*Trioxys* (*Binodoxys*) *brevicornis*; Mackauer, 1961: 148-149 ("Holotypus, ♀").

*Binodoxys brevicornis*; Mackauer, 1968: 77 (lectotype in "Mus. London", but no formal designation; incorrectly stated to originate from England).

Type-material.— Lectotype indirectly designated by Mackauer (1961) according to Art. 94c, ♀ (BMNH), "B.M. Type Hym. 3.c.85".

Valid name.— *Binodoxys brevicornis* (Haliday, 1833) (Aphidiinae).

***brevis* Stelfox, 1941**

*Ephedrus brevis* Stelfox, 1941: 130, 131, 140-142; Mackauer, 1968: 9.

*Ephedrus* (*Breviephedrus*) *brevis*; Gärdenfors, 1986: 38 (revision).

*Ephedrus niger* Stelfox, 1941: 141 (nomen nudum).

*Ephedrus picticornis* Stelfox, 1941: 138, figs 3 A-D; Mackauer, 1968: 9.

Type-material.— Holotype in Haliday collection (NMI), collected by A.H. Haliday, Ireland, most probably Holywood, Co. Down, 23.v.1837.

Valid name.— *Ephedrus brevis* Stelfox, 1941 (Aphidiinae).

***caelatus* Haliday, 1836**

*Opius* (*Opius*) *caelatus* Haliday, 1836c: 216.

*Opius* (*Xynobius*) *caelatus*; Fischer, 1972b: 90.

Type-material.— Holotype, ♂, from England (G.F. Rudd), not found in NMI, most probably lost.

Valid name.— *Xynobius caelatus* (Haliday, 1836) **comb. nov.** (Opiinae).

***caesus* Haliday, 1836**

*Opius* (*Opius*) *caesus* Haliday, 1836c: 215.

*Opius* (*Uletus*) *caesus*; Fischer, 1972b: 149.

Type-material.— Lectotype here designated, ♀ (NMI), "524", probably from Ireland, "Box 6 A.W.S., Haliday, 20.ii.[18]82", "*Opius caesus* Hal., ♀, Type!, A.W.S. 11.xii.1947". Paralectotypes: 5 ♀♀ + 5 ♂♂ (NMI), partly from England (Walker) and partly from Ireland (Haliday); 1 ♀ (NMV), with green Haliday label "*caesus*".

Valid name.— *Phaedrotoma caesa* (Haliday, 1836) **comb. nov.** (Opiinae).

***calceatus* Haliday, 1834**

*Microgaster calceatus* Haliday, 1834b: 241-242.

*Protomicroplitis calceatus*; Shenefelt, 1973: 774-775

*Rasivalva calceata*; Mason, 1981: 92.

Type-material.— Holotype, ♀; not found in NMI or NMV; probably lost.

Valid name.— *Rasivalva calceata* (Haliday, 1834) (Microgastrinae).

*caligatus* Haliday, 1835

*Perilitus* (*Meteorus*) *caligatus* Haliday, 1835b: 25-26.

*Meteorus caligatus*; Shenefelt, 1969: 55-56.

*Zele caligatus*; van Achterberg, 1979: 364-365.

Type-material.— Lectotype designated by van Achterberg (1979: 365), ♀ (NMI, "Tollymore", "Ireland, Haliday, 20.ii.[18]82/Box 8, A.W.S.", "*Meteorus caligatus* Hal., det. Muesebeck", "*Meteorus caligatus* Hal., ♀, Type!, A.W.S. 29.vii.1948". Paralectotype: 1 ♀ (NMI), head dissected and largely lost.

Valid name.— *Zele caligatus* (Haliday, 1835) (Euphorinae).

*callidus* Haliday, 1834

*Microgaster callidus* Haliday, 1834b: 248-249.

*Apanteles callidus*; Shenefelt, 1972: 462. N.B. Not *Apanteles callidus* sensu Nixon (1973: 183) and Papp (1983: 259), which is *Cotesia* (*Glyptapanteles*) *majalis* (Wesmael, 1837). **Stat. nov.**

*Apanteles urolus* Papp, 1983: 259, 270-271. **Syn. nov.**

*Glyptapanteles urolus*; Papp, 1988: 152.

Type-material.— Lectotype here designated, ♀ (NMI), on triangular card without number.

Valid name.— *Cotesia callida* (Haliday, 1834) (Microgastrinae).

Note.— Haliday (1834b) clearly indicated that the apex of the hind tibia is infuscate, but in *A. callidus* sensu Nixon, 1973, it is without infuscation.

*Calyptus* Haliday, 1835

*Calyptus* Haliday, 1835c: 128 (as subgenus of *Helcon* Nees, 1814); Shenefelt, 1970: 229 (as synonym of *Eubadizon* Nees, 1834). Type species (designated by Haliday, 1840): *Eubazus macrocephalus* Nees, 1814.

Note.— Included as a subgenus in the genus *Eubazus* Nees, 1814, by van Achterberg (1990).

*candidatus* Haliday, 1834

*Microgaster candidatus* Haliday, 1834b: 243.

*Apanteles candidatus*; Shenefelt, 1972: 538 (as synonym of *A. impurus* (Nees, 1834)).

*Microgaster longicauda* Wesmael, 1837: 54. **Syn. nov.**

*Apanteles longicauda*; Shenefelt, 1972: 558-559; Nixon, 1972: 723-724; Papp, 1979: 248.

*Dolichogenidea longicauda*; Papp, 1988: 167.

Type-material.— Lectotype here designated, ♀ (NMI), on triangular card, "413", from box 14. Paralectotypes: 1 ♀ (NMI) on triangular card and 2 ♂♂ (NMI) glued on card, one ♂ has Haliday's label with "*candidatus*". Excluded: 2 ♀♀ (NMI) because the first metasomal tergite is rugulose apically; 1 ♂

(NMI) because the second and third tergites are rugose, and a Walker specimen. Not examined: 2 specimens (SCT).

Valid name.— *Apanteles candidatus* (Haliday, 1834) (Microgastrinae).

***caricis* Haliday, 1833**

*Aphidius* (*Monoctonus*) *caricis* Haliday, 1833a: 261, 1833b: 488.

*Monoctonus caricis* Mackauer, 1961: 141 (lectotype designation), 1968: 64 (incorrectly stated to originate from England); van Achterberg, 1989: 7-8.

Type-material.— Lectotype designated by Mackauer (1961), ♀ (BMNH), "B.M. Type Hym. 3.c.75". Paralectotypes: 1 ♀ + 1 ♂ (BMNH), 3.c.75; 4 ♀♀ + 7 ♂♂ (NMI), on Haliday cards and with short pins.

Valid name.— *Monoctonus caricis* (Haliday, 1833) (Aphidiinae).

***catenator* Haliday, 1836**

*Rogas* (*Colastes*) *catenator* Haliday, 1836b: 93.

*Phanomeris catenator*; Shenefelt, 1975: 1130-1131

*Shawiana catenator*; van Achterberg, 1983a: 345.

Type-material.— Lectotype designated by van Achterberg (1983), ♀ (NMI), on Haliday card, with red label "3", "*catenator*", "*Colastes catenator* Hal., ♀, Type!, A.W.S., 7.ix.1932". Paralectotype: 1 ♀ from England (Walker), not found.

Valid name.— *Shawiana catenator* (Haliday, 1836) (Exothecinae).

***celsus* Haliday, 1836**

*Opius* (*Opius*) *celsus* Haliday, 1836c: 209-210.

*Opius* (*Nosopoea*) *celsus*; Fischer, 1972b: 297.

Type-material.— Lectotype here designated, ♂ (NMI), England (on triangular Walker card), "Box 6 A.W.S./British Haliday, 20.ii.[18]82", "*Opius celsus* Hal., ♂, Type!, A.W.S. 13.x.1944". Paralectotype: 1 ♂ (NMI), on similar card as lectotype.

Valid name.— *Phaedrotoma celsa* (Haliday, 1836) **comb. nov.** (Opiinae).

***Cenocoelius* Haliday, 1840**

*Cenocoelius* Haliday [in Westwood], 1840: 62; Shenefelt, 1970a: 178; Tobias, 1971: 218 (translation, 1975: 87), 1976: 90, Tobias, 1986: 150-151; van Achterberg, 1994: 18-19. Type species (by original designation): *Cenocoelius flavifrons* Haliday [in Westwood], 1840 (= ♂ of *Cenocoelius analis* (Nees, 1834)).

"*Cenocoelius* Westwood, 1840"; Marsh, 1979: 184.

*Caenocoelius* Marshall, 1894: 271. Invalid emendation.

*Laccophrys* Foerster, 1862: 257; Shenefelt, 1970a: 178. Type species (by original designation): *Laccophrys magdalini* Foerster, 1862 (= *Cenocoelius analis* (Nees, 1834)).

*Promachus* Cresson, 1887: 61 (not Loew, 1848 or Gistel, 1848); Shenefelt, 1970a: 178; Saffer, 1982: 83 (as synonym of *Cenocoelius* Haliday, 1840); van Achterberg, 1994: 27-28 (as separate genus), 1995b:

134 (synonym of *Cenocoelius* Haliday). Type species (designated by Viereck, 1914): *Promachus sanguineiventris* Ashmead, 1889.

***centaureae* Haliday, 1833**

*Aphidius* (*Trioxys*) *centaureae* Haliday, 1833b: 490.

*Trioxys* (*Binodoxys*) *centaureae*; Mackauer, 1961: 149 ("Holotypus, ♀").

*Binodoxys centaureae*; Mackauer, 1968: 77 (lectotype in "Mus. London", but no formal designation; incorrectly stated to originate from England).

Type-material.— Lectotype indirectly designated by Mackauer (1961) according to Art. 94c, ♀ (BMNH), "B.M. Type Hym. 3.c.84".

Valid name.— *Binodoxys centaureae* (Haliday, 1833) (Aphidiinae).

***Centistes* Haliday, 1835**

*Ancylus* Haliday, 1833a: 261; Shenefelt, 1969: 26 (not *Ancylus* Müller, 1774). Type species (designated by Viereck, 1914): *Ancylus cuspidatus* Haliday, 1833.

*Centistes* Haliday, 1835b: 462 (as subgenus of *Leiophron* Nees, 1818); Shenefelt, 1969: 26; Marsh, 1979a: 268; van Achterberg, 1985: 353 (key to subgenera), 357-360. Type species (by monotypy): *Ancylus cuspidatus* Haliday, 1833.

*Ancyllus* Haldeman, 1842: 191 (nom. nov. for *Ancylus* Haliday, 1833; not *Ancyllus* Gray, 1821). Type species (by implication): *Ancylus cuspidatus* Haliday, 1833.

*Syrrhizus* Foerster, 1862: 254; Shenefelt, 1969: 133; van Achterberg, 1985b: 357 (as subgenus of the genus *Centistes* Haliday, 1835). Type species (by monotypy): *Syrrhizus delusorius* Foerster, 1862.

*Ancylacentrus* Foerster, 1862: 254; Shenefelt, 1969: 8; van Achterberg, 1985b: 358 (as subgenus of the genus *Centistes* Haliday, 1835). Type species (by monotypy): *Ancylus excrucians* Haliday, 1835 (= *Centistes ater* (Nees, 1834)).

*Euphoridea* Ashmead, 1900: 116; Shenefelt, 1969: 27; van Achterberg, 1985b: 358. Type species (by original designation): *Euphoridea claripennis* Ashmead, 1900.

*Liosigalphus* Ashmead, 1900: 125; Shenefelt, 1969: 27; van Achterberg, 1985b: 358. Type species (by original designation): *Liosigalphus politus* Ashmead, 1900.

*Anartionyx* van Achterberg, 1985b: 358-360 (as subgenus of the genus *Centistes* Haliday, 1835). Type species (by original designation): *Centistes xanthosceles* van Achterberg, 1985.

*L(e)iophron* auctt. p.p.

***cephalotes* Haliday, 1833**

*Alysia* (*Alysia*) *cephalotes* Haliday, 1833a: 265, 1838: 231.

*Aphaereta minuta* Nees, 1812, var. *cephalotes*; Shenefelt, 1974: 959-960.

Type-material.— Lectotype here designated, ♀ (NMI), Irish, on Haliday card, from box 10, "*minutus* var. *cephalotes* Nixon, 1938". Paralectotypes: 8 ♀♀ (NMI) from box 10. The specimens belonging to var. β and var. γ are not labelled paralectotypes, albeit that strictly speaking they may be considered paralectotypes, but they belong to other species (e.g. 2 specimens of var. β belong to *Aphaereta major* (Thomson, 1892).

Valid name.— *Aphaereta cephalotes* (Haliday, 1833) (Alysiinae).

***Chaenusa* Haliday, 1839**

- Chaenusa* Haliday, 1839b: 19 (as subgenus of *Alysia* Latreille, 1804); Shenefelt, 1974: 1030-1031; Marsh, 1979a: 214. Type species (by monotypy): *Bracon conjungens* Nees, 1812.
- Chorebidea* Viereck, 1914: 32; Shenefelt, 1974: 1031. Type species (by original designation): *Alysia (Chorebus) nereidum* Haliday, 1839.
- Chorebidea* Nixon, 1943: 28; Shenefelt, 1974: 1031. Type species (by original designation): *Alysia (Chorebus) naiadum* Haliday, 1839.
- Chorebidella* Riegel, 1950: 125; Shenefelt, 1974: 1031. Type species (by original designation): *Chorebidella bergi* Riegel, 1950.

***Charmon* Haliday, 1833**

- Charmon* Haliday, 1833a: 26a2; Shenefelt, 1970a: 230; Mason, 1974: 237-238; van Achterberg, 1979: 263-264 (revision); Marsh, 1979: 275. Type species (by monotypy): *Charmon cruentatus* Haliday, 1833.
- Provaancheria* Ashmead, 1900: 109; Shenefelt, 1970a: 230; van Achterberg, 1979: 264; Marsh, 1979a: 275 (as synonym of *Charmon* Haliday, 1833). Type species (by original designation): *Eubadizon gracilis* Provancher, 1880.
- Cyclocormus* Cameron, 1911: 209; Shenefelt, 1970a: 228; van Achterberg, 1979: 264 (as synonym of *Charmon* Haliday, 1833). Type species (by monotypy): *Cyclocormus luteus* Cameron, 1911 (= *Charmon cruentatus* Haliday, 1833).
- Eubadizon* auctt. p.p.

***Chasmodon* Haliday, 1838**

- Chasmodon* Haliday, 1838: 214; Shenefelt, 1974: 983. Type species (by monotypy): *Bassus apterus* Nees, 1814.

***cerealium* Haliday, 1835**

- Perilitus (Perilitus) cerealium* Haliday, 1835b: 37.
- Microctonus cerealium*; Shenefelt, 1969: 105-106; Loan, 1975: 37-38.
- Perilitus secalis*; Haliday, 1833a: 264 (referring to *Ichneumon secalis* Linnaeus, 1758); Loan, 1975: 37 (lectotype designation and considered conspecific with *P. cerealium* Haliday, 1835).
- Perilitus (Perilitus) secalis*; Haliday, 1835b: 36-37 (id.).
- Microctonus secalis*; Shenefelt, 1969: 113.

Type-material.— Lectotype of *P. cerealium* designated by Loan (1975: 37), ♀ (NMI), on Haliday card with triangular incision to expose head, "*ceralium*" in Haliday's handwriting, "Box 8, A.W.S., Haliday, 20.ii.[18]82", "*Perilitus cerealium* Hal., ♀. Type! A.W.S., fide Haliday/Remounted by A.W.S. 20.iii.[19]58". Paralectotypes not found. Specimen in NMV ("6.vi.[18]40") is not a type and belongs to the genus *Peristenus* Foerster, 1862; the other ♀ in NMI is probably not a type because of the colour of the metasoma (not "postice obscuris ferrugineo") and probably belongs to *Townesilitus bicolor* (Wesmael, 1835). The lectotype designation for *P. secalis* by Loan (1975) is unjustified because it is an invalid name. The specimen concerned is a ♀ (NMI) labelled "*secalis*" (in Haliday's handwriting), "Type!, A.W.S. fide Haliday/British Haliday 20.ii.[18]82".

Valid name.— *Microctonus cerealium* (Haliday, 1835) (Euphorinae).

Note.— The lectotype has 23 antennal segments, the first metasomal tergite open ventrally, the clypeus moderately wide (ventrally about 0.7 times width of face), and

the ovipositor is broken (according to the original description, it should be half as long as the metasoma). Haliday recorded 20-22 antennal segments.

### *Chorebus* Haliday, 1833

- Chorebus* Haliday, 1833a: 264 (not Haliday, 1839); Shenefelt, 1974: 1033-1034; Marsh, 1979a: 214 (synonymy). Type species (by monotypy): *Chorebus affinis* (Nees, 1814) (= *C. longicornis* (Nees, 1812)).  
*Ametria* Foerster, 1862: 274; Shenefelt, 1974: 1033. Type species (by original designation): *Alysia (Dacnusa) uliginosa* Haliday, 1839.  
*Gyrocampa* Foerster, 1862: 276; Shenefelt, 1974: 1034. Type species (by original designation): *Bassus affinis* Nees, 1814.  
*Phaenolexis* Foerster, 1862: 276; Shenefelt, 1974: 103. Type species (by original designation): *Alysia petiolata* Nees, 1834.  
*Stiphrocera* Foerster, 1862: 276; Shenefelt, 1974: 1034. Type species (by original designation): *Stiphrocera nigricornis* Foerster, 1862 (= *Chorebus ampliator* (Nees, 1814)).  
*Diplusia* Brischke, 1882: 139; Shenefelt, 1974: 1034. Type species (designated by Shenefelt, 1974): *Alysia diremta* Nees, 1834.  
*Etriptes* Nixon, 1943: 30; Shenefelt, 1974: 1034. Type species (by original designation): *Alysia (Dacnusa) talaris* Haliday, 1839.  
*Paragyrocampa* Tobias, 1962: 119; Shenefelt, 1974: 1034. Type species (by original designation): *Paragyrocampa ophthalmica* Tobias, 1962.

### *Chremylus* Haliday, 1833

- Chremylus* Haliday, 1833a: 266, 1836a: 50; Shenefelt, 1975: 1156; Marsh, 1979a: 177; van Achterberg, 1995a: 109. Type species (by monotypy): *Chremylus elaphus* Haliday, 1833.  
*Paramesocrina* Nagamori, 1925: 349; Shenefelt, 1975: 1156. Type species (by monotypy): *Paramesocrina tineavora* Nagamori, 1925 (= *Chremylus elaphus* Haliday, 1833).  
*Penecerus* Wesmael, 1838: 70; Shenefelt, 1975: 1156. Type species (by monotypy): *Hormius rubiginosus* Nees, 1834 (= *Chremylus elaphus* Haliday, 1833).

### *cincta* Haliday, 1839

- Alysia (Dacnusa) cincta* Haliday, 1839b: 9; Stelfox (in Griffiths), 1966: 932.  
*Chorebus cinctus*; Shenefelt, 1974: 1041.

Type-material.— Holotype, ♀, could not be found in NMI, as reported by Stelfox (1966).

Valid name.— *Chorebus cinctus* (Haliday, 1839) (Alysiinae).

### *circe* Haliday, 1838

- Alysia (Alysia) circe* Haliday, 1838: 219.  
*Cratospila circe*; Shenefelt, 1974: 985-986; Wharton, 1980: 35..

Type-material.— Lectotype designated (see introduction) by Wharton (1980), ♀ (NMI), "22" on card, red label "40", "Box 6, A.W.S.", "nr London, F. Walker. Before 1837", "*Alysia circe* Haliday, ♀, Type!, A.W.S., 26.x. 1936". Paralectotypes: 3 ♂♂ (NMI) from box 6.

Valid name.— *Cratospila circe* (Haliday, 1838) (Alysiinae).

***cirsii* Haliday, 1834**

*Aphidius* (*Aphidius*) *cirsii* Haliday, 1834a: 101 (not *Aphidius cirsii* Curtis, 1831).

*Aphidius cirsii*; Mackauer, 1961: 130 (lectotype designation, incorrectly stated to originate from England).

*Aphidius renominatus* Hincks, 1943a: 44; Mackauer, 1968: 50.

*Aphidius matricariae* Haliday, 1834a: 103; Mackauer, 1968: 49; Stary, 1973: 31.

Type-material.— Lectotype designated by Mackauer (1961), ♀, BMNH, "B.M. Type Hym. 3.c.125". Paralectotype: 1 ♀ (BMNH), 3.c.125.

Valid name.— *Aphidius matricariae* Haliday, 1834 (Aphidiinae).

***clandestina* Haliday, 1839**

*Alysia* (*Dacnusa*) *clandestina* Haliday, 1839b: 14-15; Stelfox (in Griffiths), 1966: 932.

*Amyras clandestina*; Shenefelt, 1974: 1029-1030.

Type-material.— Holotype, ♀ (NMI) from northern Ireland, "541", on Haliday card, "Box 10 A.W.S./British [sic!] Haliday, 20.ii.[18]82", "*Dacnusa clandestina* Hal., ♀. Type, A.W.S., 8.ix.1932".

Valid name.— *Amyras clandestina* (Haliday, 1839) (Alysiinae).

***clarus* Haliday, 1836**

*Opius* (*Opius*) *clarus* Haliday, 1836c: 206-207; Fischer, 1972b: 469.

*Opius singularis* Wesmael, 1835: 133. **Syn. nov.**

Type-material.— Lectotype here designated, ♀ (NMI), "43" on card, "Box 6 A.W.S./British Haliday, 20.ii.[18]82", "*Opius celsus* Hal., ♂, Type!, A.W.S. 13.x.1944".

Valid name.— *Opius singularis* (Wesmael, 1835) (Opiinae).

***clavator* Haliday, 1833**

*Rhyssalus clavator* Haliday, 1833a: 266; Shenefelt, 1975: 1213-1214.

*Rogas* (*Rhyssalus*) *clavator*; Haliday, 1836a: 53-54.

Type-material.— Lectotype here designated, ♂ (NMI), on Haliday card, small label with "clavator" in Haliday's handwriting. Paralectotypes: 3 ♀ ♀ + 4 ♂ ♂ (NMI), from Ireland; 1 ♂ (NMV) on narrow triangular card, "clavator m." in Haliday's handwriting. Excluded 2 ♂ ♂ (NMV) and 6 ♀ ♀ + 8 ♂ ♂ because they are English specimens received from Walker, not available to Haliday in 1833.

Valid name.— *Rhyssalus clavator* (Haliday, 1833) (Rhyssalinae).

***Clinocentrus* Haliday, 1833**

*Clinocentrus* Haliday, 1833a: 266; 1835b: 24; Tobias, 1971: 201 (transl. 1975: 62); Shenefelt, 1975: 1187-1193; Tobias, 1976: 45-46; Marsh, 1979a: 178; Belokobylskij & Tobias, 1986: 71-72; Shaw & Hud-



dleston, 1991: 94-95 (biology); van Achterberg, 1991: 21-22. Type species (by monotypy): *Clinocentrus umbratilis* Haliday, 1833.

*Camptocentrus* Kriechbaumer, 1894: 61; Shenefelt, 1975: 1216; Marsh, 1979a: 179 (as synonym of *Rogas* auctt.). Type species (by monotypy): *Camptocentrus testaceus* Kriechbaumer, 1894 (= *Clinocentrus kriechbaumeri* (Fahringer, 1941)).

*Microrhogas* Cameron, 1910: 96; Shenefelt, 1975: 1204. Type species (by monotypy): *Microrhogas foveatus* Cameron, 1910.

*Neorhyssalus* Baker, 1917: 286; Shenefelt, 1975: 1188. Type species (by monotypy): *Neorhyssalus compositus* Baker, 1917.

### *Colastes* Haliday, 1833

*Colastes* Haliday, 1833a: 266, 1836a: 55 (as subgenus of *Rogas* Nees, 1818); Shenefelt, 1975: 1115-116; Marsh, 1979a: 172; van Achterberg, 1983a: 340-341. Type species (by monotypy): *Colastes braconius* Haliday, 1833.

### *colon* Haliday, 1835

*Perilitus (Meteorus) colon* Haliday, 1835b: 30-31.

*Meteorus colon*; Shenefelt, 1969: 60; Huddleston, 1980: 27.

Type-material.— Holotype, ♀, not found in NMI, probably lost.

Valid name.— *Meteorus colon* (Haliday, 1835) (Euphorinae).

### *compressa* Haliday, 1838

*Alysia (Alysia) compressa* Haliday, 1838: 244-245.

*Aspilota compressa*; Shenefelt, 1974: 969; Fischer, 1972a: 351-352.

Type-material.— Lectotype here designated, ♀ (NMI), on Walker card with in pencil "202" on reverse side, "Box 10, A.W.S., Haliday, 20.ii.[18]82", "*Alysia compressa* Hal., ♀. Type!, A.W.S., 16.i.1935". Paralectotypes: 4 ♀♀ (NMI) from box 10. Two of the specimens bear labels with "*Aspilota semicompressa* Stelfox MS" and one with "*puleruata*" (= MS-name).

Valid name.— *Aspilota compressa* (Haliday, 1838) (Alysiinae).

### *concinna* Haliday, 1838

*Alysia (Alysia) concinna* Haliday, 1838: 245.

*Aspilota concinna*; Shenefelt, 1974: 970; Fischer, 1972a: 354-356.

Type-material.— Lectotype here designated, ♀ (NMI), on Walker card with in pencil "15" on upper side, "Box 10, A.W.S., Haliday, 20.ii.[18]82", "*Alysia concinna* Hal., ♀. Type!, A.W.S., 11.iv.1942". Paralectotypes: 4 ♀♀ + 8 ♂♂ (1 dissected) (NMI) from box 10, mostly from Walker.

Valid name.— *Dinotrema concinnum* (Haliday, 1838) **comb. nov.** (Alysiinae).

***coniferae* Haliday, 1834**

*Microgaster candidatus* Haliday, 1834b: 243.

*Microgaster coniferae* Haliday, 1834b: 247. **Syn. nov.**

*Apanteles coniferae*; Shenefelt, 1972: 480-481; Nixon, 1973: 205; Papp, 1980: 243.

*Dolichogenidea coniferae*; Papp, 1988: 147.

Type-material.— Lectotype (indirectly designated by Wilkinson, 1945: 145), ♀ (NMI), on Haliday card, "421" (not 1121 as reported by Wilkinson (1945: 145), "*coniferae*" in Haliday's handwriting, "Type D.S.W[ilkinson]", British Haliday 20.ii.[18]82/Box 14 A.W.S.", "*Apanteles coniferae* Hal., det. D.S. Wilkinson, type". Paralectotype: 1 ♂ (NMI) on Haliday card, "431" (not 1131 as reported by Wilkinson (1945)). Excluded: 2 ♀ ♀ (NMI), "14", because it are Walker specimens.

Valid name.— *Apanteles candidatus* (Haliday, 1834) (Microgastrinae).

***conspurator* Haliday, 1838**

*Alysia (Alysia) conspurcator* Haliday, 1838: 236.

*Phaenocarpa conspurcator*; Shenefelt, 1974: 1006-1007.

Type-material.— Lectotype here designated, ♀ (NMI), on Haliday card, green (= Irish) label "15", "Box 10, A.W.S./British [sic!], Haliday, 20.ii.[18]82", "*Alysia conspurcator* Hal., ♀. Type!, A.W.S., 6.xi.1941". Paralectotypes: 15 ♀ ♀ + 3 ♂ ♂ (and 1 without metasoma) (NMI) from box 10, partly from Walker and partly from Haliday. Excluded: 18 specimens from boxes 25 and higher. Not examined: 1 specimen (SCT).

Valid name.— *Phaenocarpa conspurcator* (Haliday, 1838) (Alysiinae).

***consularis* Haliday, 1834**

*Microgaster consularis* Haliday, 1834b: 241.

*Protomicroplitis consularis*; Shenefelt, 1973a: 777 (as synonym of *Microgaster connexus* Nees, 1834).

*Microgaster connexus* Nees, 1834a: 174.

*Protomicroplitis connexus*; Shenefelt, 1973a: 776-777.

*Diolcogaster connexa*; Mason, 1981: 114.

Type-material.— Not found. Possibly in G.C. Hyndman collection (?Belfast Museum), Reared from setose "arctiid" larva on *Rubus*-leaf. [Note by Dr M.R. Shaw: in fact a parasite of *Euproctis* spp. (Lymantriidae), whose larvae look similar to an arctiid larva.]

Valid name.— *Diolcogaster connexa* (Nees, 1834) (Microgastrinae).

***contaminatus* Haliday, 1834**

*Microgaster contaminatus* Haliday, 1834b: 245.

*Apanteles contaminatus*; Shenefelt, 1972: 481-482; Nixon, 1976: 704-705; Papp, 1980: 254, 255, 1988: 149.

Type-material.— Type not found. Neotype designated by Nixon (1976: 705) in BMNH (Marshall collection).

Valid name.— *Apanteles contaminatus* (Haliday, 1834) (Microgastrinae).

***contracta* Haliday, 1838**

*Alysia (Alysia) contracta* Haliday, 1838: 218-219.

*Alloea contracta*; Shenefelt, 1974: 939; Wharton, 1980: 18.

Type-material.— Lectotype designated (see introduction) by Wharton (1980), ♂ (NMI), Irish, on Haliday card, "Box 6, A.W.S., Haliday, 20.ii.[18]82", "*Alysia contracta* Hal., ♂. Type!, A.W.S., 21.x.1936". Paralectotypes: 5 ♀♀ + 3 ♂♂ from box 6 and 1 dissected ♂ from box 10 (NMI); 2 ♀♀ (NMI) of var.  $\gamma$  (brachypterous). Excluded: 9 ♂♂ (NMI) of var.  $\beta$  from box 10 belonging to *A. lonchopterae* Fischer, 1966; strictly speaking they belong at least partly to the type series. Not examined: 3 specimens (SCT).

Valid name.— *Alloea contracta* (Haliday, 1838) (Alysiinae).

***crepidis* Haliday, 1834**

*Monoctonus (Monoctonus) crepidis* Haliday, 1834a: 94.

*Monoctonus crepidis*; Mackauer, 1961 ("Holotypus, ♂"); 143, 1968: 64-65 (lectotype in "Mus. London", but no formal designation; incorrectly stated to originate from England); van Achterberg, 1989: 8.

Type-material.— Lectotype indirectly designated by Mackauer (1961), according to Art. 94c, ♂ (BMNH), "B.M. Type Hym. 3.c.97".

Valid name.— *Monoctonus crepidis* (Haliday, 1834) (Aphidiinae).

***cruentatus* Haliday, 1833**

*Charmon cruentatus* Haliday, 1833a: 262; van Achterberg, 1979: 268-270 (listed as holotype).

Type-material.— Lectotype indirectly designated by van Achterberg (1979), according to Art. 94c, ♀ (NMI), "*cruentatus*" in Haliday's handwriting. Paralectotypes: 2 ♀♀ + 7 ♂♂ (1 ♂ dissected on card) from box 8. Excluded: 1 ♀ (NMI) from box 28.

Valid name.— *Charmon cruentatus* Haliday, 1833 (Charmontinae).

***cunctator* Haliday, 1836**

*Rogas (Clinocentrus) cunctator* Haliday, 1836b: 95.

*Clinocentrus cunctator*; Shenefelt, 1975: 118; Belokobylskij, 1995: 828-830 (lectotype listed).

Type-material.— Lectotype here designated, ♀ (NMI), green label "2" (= Irish), from box 9. Paralectotypes: 5 ♀♀ + 2 ♂♂ from box 9.

Valid name.— *Clinocentrus cunctator* (Haliday, 1836) (Rogadinae).

***cuspidatus* Haliday, 1833**

*Ancylus cuspidatus* Haliday, 1833a: 261.

*Leiophron* (*Centistes*) *cuspidatus*; Haliday, 1835a: 462.

*Centistes cuspidatus*; Shenefelt, 1969: 27.

*Centistes* (*Centistes*) *cuspidatus*; Belokobylskij, 1992a: 205-206 (lectotype listed).

Type-material.— Lectotype here designated, ♀ (NMI), on triangular card with upcurved tip, “*cuspidatus*” in Haliday’s handwriting, “Box 8 A.W.S./British, Haliday, 20.ii.[18]82” (but probably Irish), “*Centistes cuspidatus* Hal., fide A.H. Haliday!, ♀, Type!, A.W.S., 23.iii.1948”, “*Centistes cuspidatus* (Haliday), det. S. Shaw, 1984”, “Holotype [sic!], *Ancylus cuspidatus* Haliday”. Paralectotypes: 1 ♀ + 15 ♂♂ (1 ♂ dissected) (NMI) from box 8. Excluded: 2 specimens from box 28 (NMI) and 12 specimens from box 39 (NMI) are considered to be later additions.

Valid name.— *Centistes cuspidatus* (Haliday, 1833) (Euphorinae).

### *Cyanopterus* Haliday, 1835

*Cyanopterus* Haliday, 1835b: 22; Shenefelt, 1978: 1676-1677; Marsh, 1979a: 170; Quicke, 1987: 109. Type species (by monotypy): *Ichneumon flavator* Fabricius, 1793.

*Iprobracon* Thomson, 1892: 1787 (as subgroup of *Bracon* Fabricius, 1804); Shenefelt, 1978: 1808-1809; Quicke, 1987: 109. Type species (by original designation): *Bracon nigrator* Zetterstedt, 1838.

*Bracambus* Thomson, 1892: 1787 (as subgroup of *Bracon* Fabricius, 1804); Shenefelt, 1978: 1676; Quicke, 1987: 109. Type species (by original designation): *Vipio longipalpis* Thomson, 1892 (= *Ichneumon flavator* Fabricius, 1804).

*Cyanopteridea* Viereck, 1911: 476; Shenefelt, 1978: 1677; Quicke, 1987: 109. Type species (by original designation): *Iphiaulax clypeolus* Szépligeti, 1905.

*Coeloidimorpha* Viereck, 1913: 558; Shenefelt, 1978: 1677; Quicke, 1987: 109. Type species (by original designation): *Bracon webbi* Viereck, 1909 (= *Bracon laevis* Provancher, 1880).

*Atanycolimorpha* Viereck, 1913: 557; Shenefelt, 1978: 1436; Quicke, 1987: 109. Type species (by original designation): *Atanycolimorpha winnemanae* Viereck, 1913 (= *Bracon provancheri* Dalla Torre, 1898).

*Notaulobracon* Fahringer, 1929: 237; Shenefelt, 1978: 1809. Invalid name (published in synonymy and not used before 1962). Type species (by original designation): *Bracon nigrator* Zetterstedt, 1838.

### *Dacnusa* Haliday, 1833

*Dacnusa* Haliday, 1833a: 264; Shenefelt, 1974: 1081-1082; Marsh, 1979a: 216. Type species (designated by Muesebeck & Walkley, 1951): *Bracon areolaris* Nees, 1812.

*Brachystropha* Foerster, 1862: 274; Shenefelt, 1974: 1081. Type species (by original designation): *Brachystropha monticola* Foerster, 1862 (= *Rhizarcha mutia* Nixon, 1948).

*Liposcia* Foerster, 1862: 276; Shenefelt, 1974: 1081-1082. Type species (by original designation): *Liposcia discolor* Foerster, 1862.

*Pachysema* Foerster, 1862: 274; Shenefelt, 1974: 1082. Type species (by original designation): *Alysia* (*Dacnusa*) *macrospila* Haliday, 1839.

*Rhizarcha* Foerster, 1862: 275; Shenefelt, 1974: 1082. Type species (by original designation): *Bracon areolaris* Nees, 1812.

*Tanystropha* Foerster, 1862: 275; Shenefelt, 1974: 1082. Type species (by original designation): *Tanystropha haemorrhoa* Foerster, 1862 (= *Alysia* (*Dacnusa*) *stramineipes* Haliday, 1839).

*Exotela* Foerster, 1862: 274; Shenefelt, 1974: 1101. Type species (by original designation): *Exotela cyclogaster* Foerster, 1862.

*Mesora* Foerster, 1862: 275; Shenefelt, 1974: 1101. Type species (by original designation): *Alysia* (*Dacnusa*) *gilvipes* Haliday, 1839.

*Radiolaria* Provancher, 1886: 152, 154; Shenefelt, 1974: 1082. Type species (by monotypy): *Radiolaria clavata* Provancher, 1886.

*Antrusa* Nixon, 1943: 29; Shenefelt, 1974: 1101. Type species (by original designation): *Dacnusa melanocera* Thomson, 1895.

*Toxetea* Nixon, 1943: 29; Shenefelt, 1974: 1101. Type species (by original designation): *Alysia (Dacnusa) gilvipes* Haliday, 1839.

***decorator* Haliday, 1836**

*Rogas (Colastes) decorator* Haliday, 1836b: 92.

*Rhysipolis decorator*; Shenefelt, 1975: 1134-1135.

Type-material.— Lectotype here designated, ♀ (NMI), on Haliday card, with pinky label, "12" in red ink, (Cartland Craigs), "*Colastes decorator* Hal., ♀, Type!, A.W.S., 7.vi.1935". In NMI 1 ♀ (British) which is probably not a type.

Valid name.— *Rhysipolis decorator* (Haliday, 1836) (Rhysipolinae).

***decorus* Haliday, 1834**

*Microgaster decorus* Haliday, 1834b: 245.

*Apanteles decorus*; Shenefelt, 1972: 487; Papp, 1979: 237.

*Dolichogenidea decora*; Papp, 1988: 147.

Type-material.— Lectotype here designated, ♀ (NMI), on reverse side of card "Larch", green label with "15" (= Irish), "432", from box 14. Paralectotypes: 8 ♀♀ + 1 ♂ (NMI) from box 14. Excluded: 1 ♀ (NMI), "type DSW", "*decorus*" in Haliday's handwriting, "*Apanteles decorus* Hal., D.S. Wilkinson det. 1938, type", "Box 25 A.W.S., Haliday, 20.ii.[18]82". Erroneously considered a type because on the reverse side of the card is "6/38" (= vi.1838).

Valid name.— *Apanteles decorus* (Haliday, 1834) (Microgastrinae).

***delator* Haliday, 1835**

*Perilitus (Meteorus) delator* Haliday, 1835b: 33.

*Meteorus delator*; Shenefelt, 1969: 64; Huddleston, 1980: 54 (as nomen dubium).

Type-material.— The Irish holotype ♀ could not be found in NMI or OUM. The only specimen in NMI is a British specimen (and the type should be Irish according to Haliday's catalogue) probably belonging to *M. abdominalator* (Nees).

Valid name.— *Meteorus ?abdominator* (Nees, 1812) (Euphorinae).

***delibator* Haliday, 1833**

*Bracon delibator* Haliday, 1833a: 263; Shenefelt, 1978: 1479.

*Bracon anthracinus* Nees, 1834a: 81; Shenefelt, 1978: 1557-1558. **Syn. nov.**

Type-material.— Lectotype here designated, ♀ (NMI), "Pt Mk" (= Portmarnock, near Dublin, Ireland), from box 25. High box number but labelled specimen and probably excluded from the core collection because Haliday had no intention to work on this genus.

Valid name.— *Bracon delibator* Haliday, 1833 (Braconinae).

Note.— According to Shenefelt (1978) a nomen nudum, but this is incorrect; it is characterized in the key by Haliday.

***deltiger* Haliday, 1833**

*Aphidius (Trionyx) deltiger* Haliday, 1833a: 261, 1833b: 487.

*Toxares deltiger*; Haliday, 1840: 65; Mackauer, 1961: 100 (lectotype designation), 1968: 13 (incorrectly stated to originate from England).

Type-material.— Lectotype designated by Mackauer (1961), ♀ (BMNH), "B.M. Type Hym. 3.c.76". Paralectotype: 1 ♂ (BMNH), 3.c.76; 1 ♂ (NMI), "Box 10, A.W.S., Haliday, 20.ii.[18]82, "*Toxares deltiger* Hal., ♂ A.W.S., 21.iii.1940", Irish.

Valid name.— *Toxares deltiger* (Haliday, 1833) (Aphidiinae).

***dilectus* Haliday, 1834**

*Microgaster dilectus* Haliday, 1834b: 246-247.

*Apanteles dilectus*; Shenefelt, 1972: 492-493; Nixon, 1972: 719; Papp, 1978: 286.

*Dolichogenidea dilecta*; Papp, 1988: 147.

Type-material.— Lectotype here designated, ♀ (NMI), "willow" in Haliday's handwriting, small green label (= Ireland) "12.", "*Apanteles dilectus* Hal., Type!, ♀, A.W.S., 21.ix.1945, from box 14. Excluded: 1 ♀ (NMI) from box 14, but collected 15.vi.1834, which is most probably too late for inclusion in the type series.

Valid name.— *Apanteles dilectus* (Haliday, 1834) (Microgastrinae).

Note.— The neotype in the Reinhard collection (ZMB) designated by Wilkinson (1945: 159) is superfluous.

***Diospilus* Haliday, 1833**

*Diospilus* Haliday, 1833a: 262; Shenefelt, 1970a: 208-209; Marsh, 1979a: 185. Type species (by monotypy): *Diospilus oleraceus* Haliday, 1833.

*Allochromus* Marshall, 1902: 643; Shenefelt, 1970a: 209. Type species (by monotypy): *Allochromis trimero-deri* Marshall, 1902.

***Diplozon* Haliday, 1833**

*Diplozon* Haliday, 1833a: 263 (as subgroup of *Agathis* Latreille, 1804); Shenefelt, 1970b: 312 (as synonym of *Agathis* Latreille); Simbolotti & van Achterberg, 1992: 6 (as junior synonym of *Bassus* Fabricius, 1804). Type species (by monotypy): *Ichneumon calculator* Fabricius, 1798.

***dispar* Haliday, 1833**

*Rogas dispar* Haliday, 1833b: 481 (named in footnote, but characterized in text above it).

*Rogas dispar* Curtis, 1834: no. 152-10; van Achterberg, 1985: 181 (lectotype designation).

*Rogas (Rogas) dispar*; Haliday, 1836b: 103-104.

*Heterogamus dispar*; Shenefelt, 1975: 1201.

*Aleiodes dispar*; van Achterberg, 1985: 181.

Type-material.— Lectotype here designated, ♀ (NMI), pinned specimen from box 9 probably from Ireland. Paralectotypes: 5 ♀ ♀ + 5 ♂ ♂ (NMI), all from box 9. Not examined: 1 specimen (SCT).

Valid name.— *Aleiodes dispar* (Haliday, 1833) (Rogadinae).

### *docilis* Haliday, 1836

*Opius reconditor* Wesmael, 1835: 134-135.

*Opius* (*Opius*) *docilis* Haliday, 1836c: 211-212. **Syn. nov.**

*Opius* (*Gastrosema*) *docilis*; Fischer, 1972b: 355.

Type-material.— Holotype, ♂ (NMI), "Senani" (= Shannon river), "Box 6 A.W.S./British [sic!], Haliday, 20.ii.[18]82".

Valid name.— *Phaedrotoma reconditor* (Wesmael, 1835) **comb. nov.** (Opiinae).

### *dorsalis* Haliday, 1833

*Aphidius* (*Praon*) *dorsalis* Haliday, 1833b: 484.

*Praon dorsale*; Mackauer, 1961: 102 ("Holotypus, ♀"), 1968: 16 (lectotype in "Mus. London", but no formal designation; incorrectly stated to originate from England).

Type-material.— Lectotype indirectly designated by Mackauer (1961), according to Art. 94c, ♀ (BMNH), "B.M. Type Hym. 3.c.69".

Valid name.— *Praon dorsale* (Haliday, 1833) (Aphidiinae).

### *Doryctes* Haliday, 1836

*Doryctes* Haliday, 1836a: 40, 43; Shenefelt & Marsh, 1976: 1277-1278; Marsh, 1979a: 148, 199. Type species (designated by Erichson, 1837): *Bracon obliteratus* Nees, 1834 (= *Ichneumon mutilator* Thunberg, 1822).

*Ischiogonus* Wesmael, 1838: 125; Shenefelt & Marsh, 1976: 1278. Type species (designated by Viereck, 1914): *Ischiogonus erythrogaster* Wesmael, 1838 (= *Bracon leucogaster* Nees, 1834).

*Pristodoryctes* Kieffer, 1921: 133; Shenefelt & Marsh, 1976: 1278. Type species (by monotypy): *Pristodoryctes striativentris* Kieffer, 1921 (= *Doryctes tristriatus* Kieffer, 1921).

### *Dyscoletes* Haliday, 1840

*Dyscolus* Haliday, 1836a: 39 (not Dejean, 1831). Type species (by monotypy): *Dyscolus lancifer* Haliday, 1836.

*Dyscoletes* Haliday (in Westwood), 1840: 62 (nom. nov.); van Achterberg, 1988b: 29-33 (revision). Type species (by monotypy): *Dyscolus lancifer* Haliday, 1836.

*Discolus* Dalla Torre, 1898: 70 (misspelling for *Dyscolus*).

*Discoletes* Szépligeti, 1896: 314 (misspelling for *Dyscoletes*).

*Microcentrus* Szépligeti, 1904: 155 (not Ståls, 1869); Shenefelt, 1970a: 215; van Achterberg, 1988b: 30. Type species (by monotypy): *Microcentrus similis* Szépligeti, 1904 (= *Dyscolus lancifer* Haliday, 1836).

*Elachistocentrum* Schulz, 1911: 98 (nom. nov. for *Microcentrus Szépligeti*); Shenefelt, 1970a: 215; van Achterberg, 1988b: 30. Type species (by monotypy): *Microcentrus similis Szépligeti*, 1904.

*Dyscolus* Haliday, 1836, see *Dyscoletes*.

### ***edentatus* Haliday, 1835**

*Leiothron* (*Ancylus*) *edentatus* Haliday, 1835a: 461-462.

*Centistes* (*Ancylocentrus*) *edentatus*; Belokobylskij, 1992a: 209 (lectotype listed).

*Ancylocentrus edentatus*; Shenefelt, 1969: 10.

Type-material.— Lectotype here designated, ♀ NMI, "Box 8 A.W.S., Haliday, 20.ii.[18]82", on Haliday card (= Irish), "*Ancylus edentatus* Hal., ♀, Type!, A.W.S., 22.iii.1948". Paralectotype: 1 ♀ (NMI) from box 8 with 26 antennal segments. Excluded: 5 ♀ ♀ (NMI) in box 8, because 3 are pinned, one has a pale ovipositor sheath and one has 25 antennal segments.

Valid name.— *Centistes edentatus* (Haliday, 1835) (Euphorinae).

### ***eglanteriae* Haliday, 1834**

*Aphidius* (*Aphidius*) *eglanteriae* Haliday, 1834a: 102.

*Aphidius eglanteriae*; Mackauer, 1961: 119 (lectotype designation), 1968: 46 (incorrectly stated to originate from England); Stary, 1973: 14-16.

Type-material.— Lectotype designated by Mackauer (1961), ♀ (BMNH), "B.M. Type Hym. 3.c.126". Paralectotypes: 1 ♂ (BMNH), 3.c.126; 4 ♀ ♀ + 2 ♂ ♂ (NMI), from box 7, with "eglant." or "eglantine" in Haliday's handwriting.

Valid name.— *Aphidius eglanteriae* Haliday, 1834 (Aphidiinae).

### ***elaphus* Haliday, 1833**

*Chremylus elaphus* Haliday, 1833a: 266; Shenefelt, 1975: 1156-1158.

*Rogas* (*Chremylus*) *elaphus*; Haliday, 1936a: 51 (as synonym of *Hormius rubiginosus* Nees, 1834).

Type-material.— No type material found in NMI or RMNH. In NMI are 11 ♀ ♀ on rectangular Walker-cards (one pair with number "118" on one card) belong to a series received from Walker, most likely received after 1833. If a neotype is needed the left specimen of the pair on one card may be selected neotype.

Valid name.— *Chremylus elaphus* (Haliday, 1833) (Pambolinae).

### ***Ephedrus* Haliday, 1833**

*Ephedrus* Haliday, 1833a: 261, 1833b: 485 (as subgenus of *Aphidius* Nees, 1818); Mackauer, 1968: 9; Marsh, 1979b: 295-296; Chou, 1981: 312; Gärdenfors, 1986: 37 (revision of Palaearctic species). Type species (by monotypy): *Bracon plagiator* Nees, 1812.

*Elassus* Wesmael, 1835: 85-86. Type species (by monotypy): *Aphidius parvicornis* Nees, 1834 (= *Bracon plagiator* Nees, 1812).

*Lysephedrus* Stary, 1958: 64 (as subgenus of *Ephedrus* Haliday, 1833); Mackauer, 1968: 8 (as indepen-



dent genus); Gårdenfors, 1986: 13, 39 (as subgenus of *Ephedrus* Haliday, 1833). Type species (by original designation): *Aphidius (Ephedrus) validus* Haliday, 1833.

*Breviephedrus* Gårdenfors, 1986: 13, 37 (as subgenus of *Ephedrus* Haliday). Type species (by original designation): *Ephedrus brevis* Stelfox, 1941.

*Foveephedrus* Chen, 1986: 92. Type species (by original designation): *Foveephedrus radiatus* Chen, 1986.

**Syn. nov.** (considered to be a valid subgenus of *Ephedrus* Haliday).

### *ephippium* Haliday, 1834

*Aphidius (Aphidius) ephippium* Haliday, 1834a: 105.

*Diaeretellus ephippium*; Mackauer, 1961: 119-120 (incorrectly considered the holotype), 1968: 62 (lectotype in "Mus. London", but no formal designation; incorrectly stated to originate from England).

Type-material.— Lectotype indirectly designated by Mackauer (1961), according to Art. 94c, ♀ (BMNH), "B.M. Type Hym. 3.c.87".

Valid name.— *Diaeretellus ephippium* (Haliday, 1834) (Aphidiinae).

### *equestris* Haliday, 1834

*Microgaster equestris* Haliday, 1834b: 242; Wilkinson, 1945: 136 ("Type of *equestris* in the British Museum"); Shenefelt, 1972: 506; Papp, 1982b: 262.

*Microgaster falcatus* Nees, 1834a: 175.

*Apanteles falcatus*; Nixon, 1965: 184; Shenefelt, 1972: 505-506; Papp, 1982b: 262.

*Sathon falcatus*; Papp, 1988: 151.

Type-material.— Lectotype here designated, ♀ (NMI), on Haliday card (= Irish), from box 14. Paralectotypes: 3 ♀♀ (NMI) from box 7, one with small old label "*equestris*" in Haliday's handwriting, and one has small green label "243" (= Ireland) + 1 ♂ (NMI) from box 14; 1 ♀ (BMNH), repinned through mesoscutum, and with incomplete antennae, "Type", "B.M. Type Hym., 3.c.1073", "*Apanteles equestris* Hal., det. D.S. Wilkinson, Type", "20", "63/53", "*Apanteles falcatus* Nees, D.S. Wilkinson, det. 1936". Excluded: 3 ♀♀ + 1 ♂ (NMV), all Curtis specimens.

Valid name.— *Apanteles falcatus* (Nees, 1834) (Microgastrinae).

Note.— According to Shenefelt (1972) a lectotype (3.c.1073) BMNH) was designated by Wilkinson (1945), but he did not designate a lectotype, he only listed a specimen ("ser. no. 20") as a type specimen.

### *ervi* Haliday, 1834

*Aphidius (Aphidius) ervi* Haliday, 1834a: 100.

*Aphidius ervi*; Mackauer, 1961: 120-121; Stary, 1973: 18-22; Eady, 1969: 168.

*Aphidius ervi ervi*; Mackauer, 1968: 46-47.

Type-material.— Types (both sexes) should be in BMNH, but are considered to be lost (Mackauer, 1961, 1968). No specimens found in NMI.

Valid name.— *Aphidius ervi* Haliday, 1834 (Aphidiinae).

***eugenia* Haliday, 1838**

*Alysia (Alysia) eugenia* Haliday, 1838: 234-235.  
*Phaenocarpa eugenia*; Shenefelt, 1974: 1007-1008.

Type-material.— Lectotype here designated, ♀ (NMI), Irish, "Box 10, A.W.S./Ireland, Haliday, 20.ii. [18]82", "*Phaenocarpa eugenia* Hal., ♀, Type?, A.W.S.", "*Alysia eugenia* Hal., ♀, Type!, A.W.S., 18.i.1934". Paralectotypes: 1 ♀ (NMI), var. β, on Walker card; 1 ♂ (NMI) from box 10. Excluded: 1 ♂ (NMI) from box 67.

Valid name.— *Phaenocarpa eugenia* (Haliday, 1838) (Alysiinae).

***eunice* Haliday, 1838**

*Alysia (Alysia) eunice* Haliday, 1838: 235.  
*Phaenocarpa eunice*; Shenefelt, 1974: 1008.

Type-material.— Lectotype here designated, ♀ (NMI), green label "14" (= Irish), "*fumipennis*" Haliday's MS label), "Box 10, A.W.S./Ireland, Haliday, 20.ii.[18]82", "N. Ireland", "*Alysia eunice* Hal., ♀. Type!, A.W.S., 16.ix.1935". Paralectotype: 1 ♀ (NMI), from box 10.

Valid name.— *Phaenocarpa eunice* (Haliday, 1838) (Alysiinae).

***Euryzona* Haliday, 1838**

*Euryzona* Haliday, 1838: 213; Shenefelt, 1970b: 416. Nom. nud.; no type species indicated.

The short description indicates that the described specimen from Australia is similar to the genus *Agathis* Latreille, 1804, having an elongated head and vein 2-CU of hind wing present. In the box with Darwin specimens in the NMI is a male of the subfamily Agathidinae belonging to the genus *Bassus* Fabricius, 1804, and labelled "N. Hollan." (= Australia) which has the head hardly rostriform and vein 2-CU distinct. Because this is the only Agathidine specimen from Australia in his collection, it may refer to his *Euryzona*. However, as Haliday failed to mention at least one character of the subgenus *Euryzona* to differentiate it from *Agathis*, the name *Euryzona* has to be considered a nomen nudum, and is considered a possible synonym of the genus *Bassus* Fabricius, 1804.

***excrucians* Haliday, 1835**

*Leiophron (Ancyclus) excrucians* Haliday, 1835a: 461; Belokobylskij, 1992a: 208 (lectotype listed).  
*Ancylocentrus excrucians*; Shenefelt, 1969: 10.  
*Leiophron ater* Nees, 1834b: 45.  
*Ancylocentrus ater*; Shenefelt, 1969: 10  
*Centistes (Ancylocentrus) ater*; Belokobylskij, 1992a: 208-209.

Type-material.— Lectotype here designated, ♀ (NMI), "*excrucians*" in Haliday's handwriting, "Box 8 A.W.S., Haliday, 20.ii.[18]82", Irish, "*Ancyclus excrucians* Hal., fide Haliday!, ♀. Type!, A.W.S., 26.ii.1948", "*Ancylocentrus excrucians* (Haliday) det. S. Shaw, 1984", "Holotype *Ancyclus excrucians* Hali-

day" (incorrect, as there is no indication that Haliday had only one specimen). Paralectotypes: 5 ♀♀ (NMI) from box 8. Excluded: 2 ♀♀ (NMI) in box 28.

Valid name.— *Centistes ater* (Nees, 1834) (Euphorinae).

*excubitor* Haliday, 1836

*Rogas* (*Clinocentrus*) *excubitor* Haliday, 1836b: 94-95.

*Clinocentrus excubitor*; Shenefelt, 1975: 1189; Belokobylskij, 1995: 820-822 (lectotype listed).

Type-material.— Lectotype here designated, ♀ (NMI), without labels, from box 9. Paralectotypes: 2 ♀♀ + 4 ♂♂ from box 9. One ♂ has a small label with "*umbratilis*", probably not in Haliday's handwriting.

Valid name.— *Clinocentrus excubitor* (Haliday, 1836) (Rogadinae).

*exiguus* Haliday, 1834

*Aphidius* (*Aphidius*) *exiguus* Haliday, 1834a: 104.

*Aphidius exiguus*; Mackauer, 1961: 121-122 ("Species dubia"), 1968: 58. Not listed by Stary (1973).

Type-material.— Type(s) not sent to BMNH; not found in NMI. Considered to be lost (Mackauer, 1968).

Valid name.— *Aphidius exiguus* Haliday, 1834 (Aphidiinae).

*exiguus* Haliday, 1834

*Microgaster exiguus* Haliday, 1834b: 249.

*Apanteles exiguus*; Wilkinson, 1938: 49 ("The type is lost .."); Shenefelt, 1972: 471 (as synonym of *A. circumscriptus* (Nees, 1834)); (not Nixon, 1973: 212 (who lifted *M. exiguus* out of the synonymy of *M. circumscriptus*); Papp, 1983: 253).

*Apanteles pedias* Nixon, 1973: 211-212; Papp, 1983: 251 (as synonym of *A. bicolor* (Nees, 1834)).

*Microgaster bicolor* Nees, 1834a: 181. **Syn. nov.** (lifted from synonymy by Papp, 1983).

*Apanteles bicolor*; Papp, 1983: 251.

*Pholetesor bicolor*; Papp, 1988: 148.

Type-material.— Lectotype here designated, ♀ (NMI), on Haliday card; ovipositor damaged. Paralectotypes: 2 ♀♀ (NMI) on triangular card. Excluded: 2 ♀♀ + 1 ♂ (NMV), from cocoon on grass, Hampton Court.

Valid name.— *Apanteles* (*Pholetesor*) *bicolor* (Nees, 1834) (Microgastrinae).

Note.— Wilkinson (1938: 41) placed *Microgaster exiguus* Haliday in the synonymy with *Apanteles circumscriptus* (Nees, 1834), but Nixon (1973: 212) separated it, because of the supposed strongly rugose turned over part of the first tergite (Nixon, 1973). This is incorrect; actually the lectotype of *A. exiguus* is similar to examined specimens (RMNH) reared from *Phyllonorycter blancardella* (Fabricius) (Lepidoptera), which Nixon (1973) also considered to belong to *A. circumscriptus* (Nees). The recognition of *A. pedias* Nixon, 1973, by Nixon (1973) is questionable on the basis of morphological

evidence because the difference given by Nixon (the short vein 1-R1 (= metacarp) of fore wing) was found to be variable within one reared series of *P. blancardella*. Considering the observed variation in reared series it may be justified to conceive *A. circumscriptus* in the wide sense as was done by Wilkinson (1938), with the variation of *A. pedias* and *A. bicolor* included, but according to Dr M.R. Shaw (in litt.) there are distinct biological differences. *A. bicolor* is sexual and overwinters in a yellowish cocoon, and *A. circumscriptus* is thelytokous and overwinters in its host. *Apanteles exiguus* auctt. seems to be different from *A. exiguus* (Haliday), (e.g. it has the first and second metasomal tergites sculptured), for which the name *A. salalicus* Mason, 1959, is available. The differences given by Nixon (1973) seems to be insufficient for the separation of this Nearctic species from the northern European *A. exiguus* sensu Nixon, 1973.

*exilis* Haliday, 1834

*Microgaster exilis* Haliday, 1834b: 249.

*Apanteles exilis*; Shenefelt, 1972: 504; Papp, 1988: 149 (as possible synonym of *Pholetesor viminetorum* (Wesmael, 1837).

Type-material.— Lectotype here designated, ♀ (NMI), from box 14.

Valid name.— *Apanteles exilis* (Haliday, 1834) (Microgastrinae).

Note.— Keys out near *Apanteles helleni* Nixon, 1972, but *A. exilis* has the hind tibial spurs shorter, the penultimate segments of antenna subcubic and the antenna of normal length.

*exilis* Haliday, 1836

*Opius pallipes* Wesmael, 1835: 118-119.

*Opius* (*Opius*) *exilis* Haliday, 1836c: 208. **Syn. nov.**

*Opius* (*Pendopius*) *exilis*; Fischer, 1972b: 410.

Type-material.— Lectotype here designated, ♀ (NMI), on reverse side of card "os claus 169", "Box 6 A.W.S./British Haliday, 20.ii.[18]82", "*exilis* ♀, A.W.S., 5.x.1944", "*Opius exilis* Hal., ♂, Type!, A.W.S. 5.x.1944"; antennal segments 25 (not 26 as stated by Haliday). Paralectotype: 1 ♀ (NMI), on similar card as lectotype, on reverse side "os claus 190", also with 25 antennal segments.

Valid name.— *Opius pallipes* Wesmael, 1835 (Opiinae).

*exoletus* Haliday, 1833b: 484. Unjustified emendation of *Bracon* (= *Praon*) *exoletus* Nees, 1812.

*filator* Haliday, 1835

*Perilitus* (*Meteorus*) *filator* Haliday, 1835b: 32.

*Meteorus filator*; Shenefelt, 1969: 67; Huddleston, 1980: 30.

Type-material.— Lectotype here designated, ♀ (NMI), from box 8, "Holotype", "*Meteorus filator* Hal., Type!, A.W.S., 26.x.1948". It cannot be the holotype because Haliday indicated that he had both sexes. The ♀ in the Curtis collection (NMV) is not a type because it was collected on 25.v.1846.

Valid name.— *Meteorus filator* (Haliday, 1835) (Euphorinae).

*flaviceps* Haliday, 1836

*Rogas (Doryctes) flaviceps* Haliday, 1836a: 45.  
*Doryctes flaviceps*; Shenefelt & Marsh, 1976: 1282.

Type-material.— The holotype from St. Vincent could not be found in NMI It is absent from box 73 in which it should occur. According to Haliday's description it is a small doryctine (body length about 3 mm), reddish-brown with head and legs yellowish. The description is insufficient for generic placement.

Valid name.— Valid genus unknown (Doryctinae).

*flavifrons* Haliday, 1840

*Cenocoelius flavifrons* Haliday (in Westwood), 1840: 62-63; van Achterberg, 1994: 19.  
*Bracon analis* Nees, 1834a: 63; van Achterberg, 1994: 19-21.

Type-material.— Holotype, ♂ (NMI), from box 67, "cf. *Cenocoelius analis* Nees, A.W.S., 1933", "*Cenocoelius flavifrons* Hal. MS, ♂, Type!, A.W.S., 1.vii.1950".

Valid name.— *Cenocoelius analis* (Nees, 1834) (Cenocoeliinae).

*flavinodis* Haliday, 1833

*Aphidius (Praon) flavinodis* Haliday, 1833b: 485.  
*Praon flavinode*; Mackauer, 1961: 103, 1968: 17.

Type-material.— Type(s) not found in BMNH (Mackauer, 1961) or NMI. Considered to be lost (Mackauer, 1968).

Valid name.— *Praon flavinode* Haliday, 1833 (Aphidiinae).

*flavipes* Haliday, 1834

*Microgaster flavipes* Haliday, 1834b: 241; Shenefelt, 1973a: 707.

Type-material.— Lectotype here designated, ♀ (NMI), on Haliday card, with small green label "12" (= Irish), "405". Excluded: 3 ♂♂ + 1 ♀ (NMV), not types since they have a reddish mesonotum.

Valid name.— *Diolcogaster flavipes* (Haliday, 1834) **comb. nov.** (Microgastrinae).

Note.— As indicated by Haliday in the original description this species is close to *D. alvearia* (Fabricius, 1798); it has vein r-m present in the left wing but absent in the right wing. In existing keys it runs to *D. minuta* (Reinhard, 1880), but it has the tegulae, palpi and legs (except hind coxa) bright (pale) yellowish.

*flavipes* Haliday, 1835

*Helcon (Eubadizon) flavipes* Haliday, 1835c: 132.

*Eubadizon flavipes*; Shenefelt, 1970a: 236-237.

*Eubazus* (*Calyptus*) *flavipes*; van Achterberg, 1988b: 176.

Type-material.— Lectotype here designated, ♂ (NMI) on Haliday card, with 24 antennal segments, from box 8. Paralectotypes: 3 ♂♂ (NMI), one has the metasoma largely lost. Excluded: 1 ♀ (NMI) from box 39, from England (Walker).

Valid name.— *Eubazus flavipes* (Haliday, 1835) (Helconinae).

***flavipes* Haliday, 1838**

*Alysia* (*Alysia*) *flavipes* Haliday, 1838: 236.

*Phaenocarpa flavipes*; Shenefelt, 1974: 1008.

Type-material.— Lectotype here designated, ♀ (NMI), "Box 10, A.W.S./British, Haliday, 20.ii.[18]82", Irish, "*Alysia flavipes* Hal., ♀. Type!, A.W.S., 19.xii.1941". Paralectotypes: 3 ♀♀ (NMI), all var. β (as lectotype; mesoscutum medio-posteriorly and base of second tergite yellowish or reddish) and from box 10; 5 ♂♂ (NMI) from box 10. Excluded: 3 ♀♀ (NMI), the one with Haliday's label "*flavipes*" has only 26 antennal segments (29-32 according to Haliday), from box 10 and belongs to *Phaenocarpa canaliculata* Stelfox, 1941. Not examined: 2 specimens (SCT).

Valid name.— *Phaenocarpa flavipes* (Haliday, 1838) (Alysiinae).

***flaviventris* Haliday, 1838**

*Alysia* (*Alysia*) *flaviventris* Haliday, 1838: 236.

*Bassus rufiventris* Nees, 1814: 213.

*Dapsilarthra rufiventris*; Shenefelt, 1974: 989-990; van Achterberg, 1983: 11.

Type-material.— Lectotype here designated, ♀ (NMI), on Walker card, "Box 10, A.W.S./British, Haliday, 20.ii.[18]82", "*Alysia flaviventris* Hal., ♀. Type!, A.W.S., 26.xii.1934". Excluded: 2 ♂♂ (NMI), from box 10 and 28, respectively.

Valid name.— *Paraorthostigma rufiventre* (Nees, 1814) **comb. nov.** (Alysiinae).

***florimela* Haliday, 1838**

*Alysia* (*Alysia*) *florimela* Haliday, 1838: 239.

*Dapsilarthra florimela*; Shenefelt, 1974: 988-989.

*Adelurola florimela*; van Achterberg, 1983b: 6.

Type-material.— Lectotype designated by van Achterberg (1983), ♀ (NMI), "Box 10, A.W.S./British, Haliday, 20.ii.[18]82", "*Alysia florimela* Hal., ♀. Allotype!, A.W.S., 26.i.1935". Paralectotype: 1 ♂ (NMI) from box 10. Excluded: 2 specimens from box 67 (NMI).

Valid name.— *Dapsilarthra florimela* (Haliday, 1838) (Alysiinae).

***foveola* Haliday, 1839**

*Alysia* (*Dacnusa*) *foveola* Haliday, 1839: 16-17; Stelfox (in Griffiths), 1966: 931 (lectotype designation).

*Chorebus foveolus*; Shenefelt, 1974: 1047.

Type-material.— Lectotype designated by Stelfox (1966), ♀ (NMI) from northern Ireland, on Haliday card, "Box 10 A.W.S./British [sic!] Haliday, 20.ii.[18]82", "*Gyrocampa foveola* Hal., ♀. Type!, A.W.S., 24.ix.[19]32". Paralectotype: 1 ♀ (NMI).

Valid name.— *Chorebus foveolus* (Haliday, 1839) (Alysiinae).

***fragilis* Haliday, 1836**

*Rogas (Colastes) fragilis* Haliday, 1836a: 56-57.

*Phanomeris fragilis*; Shenefelt, 1975: 1131-1132.

*Colastes fragilis*; van Achterberg, 1983a: 341.

Type-material.— Lectotype designated by van Achterberg (1983), ♀ (NMI), with small red label "16" (or "91"?; = English), "91" on quadrangular Walker card, "*Colastes fragilis* Hal., ♀, cotype!, A.W.S., 1966". Paralectotype: 1 ♀ (NMI).

Valid name.— *Colastes fragilis* (Haliday, 1836) (Exothecinae).

***frigida* Haliday, 1838**

*Alysia (Alysia) frigida* Haliday, 1838: 225; Wharton, 1986: 470-472 (lectotype designation).

*Alysia frigida*; Shenefelt, 1974: 944.

Type-material.— Lectotype designated by Wharton (1986), ♀ (NMI), "Box 72, A.W.S./Haliday, 20.ii.[18]82", "Finmark [= Norway], F. Walker, July 1936 [sic!]", "*Alysia frigida* Hal., fide Haliday ♀. Type!". Paralectotypes: 5 ♀ ♀ (NMI), from boxes 18 and 72.

Valid name.— *Alysia frigida* Haliday, 1838 (Alysiinae).

***fucicola* Haliday, 1838**

*Alysia (Alysia) fucicola* Haliday, 1838: 217.

*Syncrasis fucicola*; Shenefelt, 1974: 1025; Wharton, 1980: 69 (lectotype listed).

Type-material.— Lectotype listed by Wharton (1980), ♀ (NMI), "515" on small Haliday card, "Box 6, A.W.S./British, Haliday, 20.ii.[18]82", Irish, "*Alysia fucicola* Hal., ♀. Type!, A.W.S., 16.x.1936". Paralectotypes: 1 ♀ (RMNH), "2", "Halid., Ierland"; 4 ♀ ♀ + 2 ♂ ♂ (NMI), from box 6; 1 dissected ♀ (NMI) from box 10. Excluded: 5 specimens from box 18 (NMI). Not examined: 1 specimen (SCT).

Valid name.— *Syncrasis fucicola* (Haliday, 1838) (Alysiinae).

***fulgidus* Haliday, 1836**

*Opius (Opius) fulgidus* Haliday, 1836c: 217.

*Diachasma fulgidum*; Fischer, 1972b: 494.

Type-material.— Holotype, most likely ♀ (according to the original description ♂) (NMI), "Box 6, A.W.S., Haliday, 20.ii.[18]82", "Isle of Wight, F. Walker. Before 1837", "*Opius fulgidus* Hal., ♂, Type!,"

A.W.S., 1932". Palpi on separate card.

Valid name.— *Diachasma fulgidum* (Haliday, 1836) (Opiinae).

***fuliginosa* Haliday, 1838**

*Alysia (Alysia) fuliginosa* Haliday, 1838: 228.

*Pentapleura fuliginosa*; Shenefelt, 1974: 1002.

Type-material.— Holotype, ♀ (NMI), "478", on Haliday card, "agro cantiam", "Box 6, A.W.S./Haliday, 20.ii.[18]82", "*Alysia fuliginosa* Hal., ♀. Type!, A.W.S., 25.xi.1940". Excluded: 1 ♀ (NMI), from box 28 (later described by Haliday (1839a: 519); 6 specimens in box 28 (NMI) collected in 1840.

Valid name.— *Pentapleura fuliginosa* (Haliday, 1838) (Alysiinae).

***fulvicornis* Haliday, 1838**

*Alysia (Alysia) fulvicornis* Haliday, 1838: 244.

*Aspilota fulvicornis*; Shenefelt, 1974: 972; Fischer, 1972a: 384-385.

*Panerema fulvicornis*; van Achterberg, 1988a: 48-49.

Type-material.— Holotype, ♀ (NMV).

Valid name.— *Panerema fulvicornis* (Haliday, 1838) (Alysiinae).

***fulvipes* Haliday, 1834**

*Microgaster fulvipes* Haliday, 1834b: 249-250.

*Apanteles fulvipes*; Shenefelt, 1972: 513; Nixon, 1973: 180; Papp, 1983: 263-265 (lectotype designation).

*Glyptapanteles fulvipes*; Mason, 1981: 1057; Papp, 1988: 152.

Type-material.— Lectotype here designated, ♀ (NMI), from box 14, on Haliday card, Irish. Paralectotypes: 1 ♀ + 1 ♂ (NMV), ♀ without metasoma, with small label "*fulvipes* ♀" in Haliday's handwriting; ♂ has similar white label "*fulvipes* ♂". Excluded: 2 ♂♂ + 1 ♀ (NMI, box 25), and 1 ♂ (BMNH) on Walker cards and numbers, and Haliday's "*fulvipes*" label. In the original description there is no indication of Walker material. In addition it comes from box 25 (instead of 14), and considering the date of description it is also unlikely that it was available to Haliday. Papp (1983) designated the excluded ♀ (NMI) from box 25 as lectotype but this is most likely not a type specimen, and, therefore, the designation is considered invalid. Not examined: 5 specimens (SCT).

Valid name.— *Cotesia fulvipes* (Haliday, 1834) (Microgastrinae).

***fulvipes* Haliday, 1835**

*Helcon (Triaspis) fulvipes* Haliday, 1835c: 127.

*Triaspis fulvipes*; Shenefelt, 1970a: 294 (as synonym of *Triaspis pallipes* (Nees, 1816)).

*Sigalphus pallipes* Nees, 1816: 251.

Type-material.— Unnecessary and invalid new name for *Sigalphus pallipes* Nees, 1816. No types avail-



able (NMI), the type-series of *Sigalphus pallipes* is most likely lost. In NMV there are two specimens under *fulvipes*.

Valid name.— *Triaspis pallipes* (Nees, 1816) (Helconinae).

***fumatus* Haliday, 1834**

*Aphidius fumatus* Curtis, 1831: no. 383 (nom. nud.).

*Aphidius (Aphidius) fumatus* Haliday, 1834a: 104.

*Aphidius fumatus*; Mackauer, 1961: 122 ("Holotypus, ♂, under "Species dubia"), 1968: 58 (lectotype in "Mus. London", but no formal designation; incorrectly stated to originate from England). Not in Stary (1973).

Type-material.— Lectotype indirectly designated by Mackauer (1961), according to Art. 94c, ♂ (BMNH), "B.M. Type Hym. 3.c.103".

Valid name.— *Aphidius fumatus* Haliday, 1834 (Aphidiinae).

***funestus* Haliday, 1836**

*Rogas (Colastes) funestus* Haliday, 1836b: 93-94.

*Rhysipolis funestus*; Shenefelt, 1975: 1135.

*Dolopsidea funestus*; van Achterberg, 1983a: 341.

*Pseudobathystomus funestus*; Belokobylskij, 1986c: 782-783.

Type-material.— Holotype, ♂ (NMI), on incised Haliday card, from box 6. The specimen originated from England (Walker) and seems to have been remounted by Haliday to expose the clypeal area.

Valid name.— *Pseudobathystomus funestus* (Haliday, 1836) (Rhyssalinae).

***fuscicornis* Haliday, 1838**

*Alysia (Alysia) fuscicornis* Haliday, 1838: 246.

*Aspilota fuscicornis*; Stelfox, 1943: 209 (lectotype designation); Shenefelt, 1974: 973; Fischer, 1972a: 385-388.

Type-material.— Lectotype designated by Stelfox (1943), ♀ (NMI), "Box 10, A.W.S./British Haliday, 20.ii.[18]82", "*Alysia fuscicornis* Hal., ♀, A.W.S., 1932, selected as type, 24.xii.1942". Excluded: remainder of series from box 10 (NMI). The series may include paralectotypes, but this is uncertain. The specimens belong to three different species according to Stelfox's labels.

Valid name.— *Aspilota fuscicornis* (Haliday, 1838) (Alysiinae).

***fuscipennis* Haliday, 1838**

*Alysia (Alysia) fuscipennis* Haliday, 1838: 224.

*Alysia fuscipennis*; Shenefelt, 1974: 944.

*Alysia (Anarcha) fuscipennis*; Wharton, 1988: 29 (lectotype designation).

Type-material.— Lectotype designated by Wharton (1988), ♀ (NMI), "419", on Haliday card, "Box 6, A.W.S./Ireland, Haliday, 20.ii.[18]82", "*Alysia fuscipennis* Hal., ♀. Type!, A.W.S., 12.iv.1938". Paralec-  
totypes: 2 ♀ ♀ + 1 ♂ (NMI) from box 6 (one has first tergite yellowish, = var. β of Haliday). Excluded:

3 specimens (NMI), from boxes 11 and 25.

Valid name.— *Alysia fuscipennis* Haliday, 1838 (Alysiinae).

*fuscipes* (*Alysia*), see *halidayi*.

***fuscula* Haliday, 1839**

*Alysia* (*Dacnusa*) *lateralis* var. *fuscula* Haliday, 1839b: 9.  
*Chorebus lateralis*; Shenefelt, 1974: 1053.

Type-material.— Lectotype here designated, ♂ (NMI), from box 10. Paralectotypes: 8 ♂♂ (NMI), from box 10.

Valid name.— *Chorebus lateralis* (Haliday, 1839) (Alysiinae).

Note.— Haliday (1839b) attributed this name to Curtis (no. 559 of his list), but it was obviously never published by him.

***galatea* Haliday, 1838**

*Alysia* (*Alysia*) *galatea* Haliday, 1838: 238.  
*Phaenocarpa galatea*; Shenefelt, 1974: 1009.

Type-material.— Lectotype here designated, ♀ (NMI), on Haliday card, "Box 10, A.W.S./British [sic], Haliday, 20.ii.[18]82", Irish, "Portmarnock, Co. Du[blin], A.H.H., before 1839, A.W.S., 29.xi.1938", "*Alysia galatea* Hal., ♀. Type!, A.W.S., 29.xi.1938". Paralectotypes: 2 ♀♀ (NMI), from box 10.

Valid name.— *Phaenocarpa galatea* (Haliday, 1838) (Alysiinae).

***Ganychorus* Haliday, 1835**

*Ganychorus* Haliday, 1835b: 39-40 (as subgenus of *Blacus* Nees, 1818); Shenefelt, 1969: 16; Marsh, 1979a: 267. Type species (designated by Haliday, 1840): *Bracon ruficornis* Nees, 1812.  
*Blacus* (*Ganychorus*); van Achterberg, 1988b: 79-124 (keys to species).

***gilvipes* Haliday, 1839**

*Alysia* (*Dacnusa*) *gilvipes* Haliday, 1839b: 12-13.  
*Exotela gilvipes*; Griffiths, 1966: 786, 932 (lectotype designation); Shenefelt, 1974: 1103.

Type-material.— Lectotype designated and labelled by Griffiths (1966), ♀ (NMI), "706", on Walker card numbered "52", "Lectotype", "Box 10 A.W.S.", "*Dacnusa gilvipes*?, ♀, Hal., A.W.S., 1932", "Lectotypus *Alysia* (*Dacnusa*) *gilvipes* Haliday, design. Griffiths, 1966". Paralectotype: 1 ♀ (NMI), from box 10.

Valid name.— *Dacnusa gilvipes* (Haliday, 1839) (Alysiinae).

***germanus* Haliday, 1834**

*Acaelius germanus* Haliday, 1834b: 232; Shenefelt, 1973a: 674 (as synonym of *Acaelius subfasciatus* Haliday, 1833).

Type-material.— Lectotype here designated, ♀ (NMI), “73”, from box 25. Paralectotypes: 1 ♀ (NMI), from box 14, “var.” with fore leg completely yellowish; 3 ♀♀ (NMI) from box 25 with “73” on card; 5 ♂♂ (NMI) from box 25 with “52” on card; 3 ♀♀ + 2 ♂♂ (NMI) from box 25 without card number, 1 ♀ is “var.” with yellowish fore femur and dark brown head.

Valid name.— *Adelius germanus* (Haliday, 1834) (Adeliinae).

### *Gnamptodon* Haliday, 1833

*Gnamptodon* Haliday, 1833a: 220; Haliday, 1840: 61; Opinion 1424 (1987): 55-56; van Achterberg, 1988c: 159. Type species (by Opinion 1424 (1987)): *Bracon pumilio* Nees, 1834.  
*Gnamptodon* Haliday, 1837: 220; Fischer, 1972b: 569; Shenefelt, 1975: 1123; Tobias, 1976a: 22, 47, 1976b: 315-318, 1986: 87; Marsh, 1979a: 173; van Achterberg, 1983c: 27-41 (revision Palaearctic spp.). Type species (by monotypy): *Bracon pumilio* Nees, 1834. Incorrect spelling of *Gnamptodon* Haliday, 1833, and rejected by Opinion 1424 (1987).  
*Diraphus* Wesmael, 1838: 89; Fischer, 1972b: 569; Shenefelt, 1975: 1123; Marsh, 1979a: 173. Type species (by monotypy): *Diraphus pygmaeus* Wesmael, 1838 (= *Bracon pumilio* Nees, 1834).  
*Mesotages* Foerster, 1862: 258; van Achterberg, 1983c: 27. Type species (by original designation): *Mesotages decoris* Foerster, 1862.

### *haemorrhoeus* Haliday, 1836

*Opius* (*Opius*) *haemorrhoeus* Haliday, 1836c: 219.  
*Biosteres* (*Chilotrichia*) *haemorrhoeus*; Fischer, 1972b: 500.

Type-material.— Lectotype here designated, ♀ (NMI), with red (= British) label “89”, “Box 6 A.W.S./British Haliday, 20.ii.[18]82”, “*Opius haemorrhoeus*, ♀. Type!, Hal., A.W.S., 6.iii.1936”. Paralectotypes: 5 ♀♀ (NMI), one with metasoma missing, one (var. β) is Irish, remainder English (Walker). Excluded: 1 ♀ (NMV), not from Walker and not var. β.

Valid name.— *Biosteres* (*Zetetes*) *haemorrhoeus* (Haliday, 1836) (*Opiinae*).

### *halidayi* Foerster, 1862

*Alysia* (*Alysia*) *fuscipes* Haliday, 1838: 217 (not *Alysia fuscipes* Nees, 1834).  
*Phaenolytus halidayi* Foerster, 1862: 264 (new name for *Alysia fuscipes* Haliday, 1838).  
*Syncrasis halidayi*; Shenefelt, 1974: 1025; Wharton, 1980: 70 (lectotype listed).

Type-material.— Lectotype designated by Wharton (1980), ♀ (NMV), mounted on small Haliday card, “Box 6 A.W.S./British [sic!], Haliday, 20.ii.[18]82”, “513”, *Alysia fuscipes* Hal., ♀. Type!, A.W.S., 16.x.[19]36”. Paralectotypes: 1 ♀ (RMNH), “3”, “Halid., Ierland”; 4 ♀♀ (NMI) from box 6, Irish; 10 ♀♀ (NMI) from box 10, English (Walker). Excluded: 4 specimens (NMI) from box 25. Not examined: 1 specimen (SCT).

Valid name.— *Syncrasis halidayi* (Foerster, 1862) (*Alysiinae*).

### *hariolator* Haliday, 1836

*Rogas* (*Colastes*) *hariolator* Haliday, 1836b: 92-93.  
*Rhysipolis hariolator*; Shenefelt, 1975: 1135-1136.

Type-material.— Holotype, ♀ (NMI), "5", "British Haliday, 20.ii.[18]82, box 9, A.W.S.", "*Colastes hariolator* Hal., ♀. Type!. A.W.S., 1945".

Valid name.— *Rhysipolis hariolator* (Haliday, 1833) (Rhysipolinae).

Note.— The setosity of the head is rather inconspicuous because of dirt and the loss of setae, and the pronotum is less conspicuously yellowish than normal.

***hastatus* Haliday, 1835**

*Blacus* (*Blacus*) *hastatus* Haliday, 1835a: 121; van Achterberg, 1988b: 65-66 (lectotype designation).

*Blacus hastatus*; Haeselbarth, 1973: 137-138.

Type-material.— Lectotype designated by van Achterberg (1988), ♀ (NMI), "b June, N. Forest" (old handwritten label), "5a", "British Haliday, 20.ii.[18]82/Box 8, A.W.S.", "*Blacus hastatus* Hal. Type!. A.W.S., 1.vi.1936. The label apparently reads "b. June, N. Forest", A.W.S."

Valid name.— *Blacus* (*Blacus*) *hastatus* (Haliday, 1835) (Blacinae).

***heraclei* Haliday, 1833**

*Aphidius* (*Trioxys*) *heraclei* Haliday, 1833b: 490-491.

*Trioxys* (*Binodoxys*) *heraclei*; Mackauer, 1961: 149-150 (lectotype designation).

*Binodoxys heraclei*; Mackauer, 1968: 78.

Type-material.— Lectotype designated by Mackauer (1961), ♀ (BMNH), "B.M. Type Hym. 3.c.86". Paralectotypes: 2 ♀ ♀ (BMNH), 3.c.86; 1 ♀ (NMI), from box 10, on Haliday card. Haliday had also sent a ♂ to London (Mackauer, 1961).

Valid name.— *Binodoxys heraclei* (Haliday, 1833) (Aphidiinae).

***Heterospilus* Haliday, 1836**

*Heterospilus* Haliday, 1836a: 46; Shenefelt & Marsh, 1976: 1298-1299; Marsh, 1979a: 151. Type species (by monotypy): *Heterospilus quaestor* Haliday, 1836.

*Telebolus* Marshall, 1888: 202; Shenefelt & Marsh, 1976: 1299. Type species (by monotypy): *Telebolus corsicus* Marshall, 1888.

*Kareba* Cameron, 1905: 50; Shenefelt & Marsh, 1976: 1299. Type species (designated by Viereck, 1914): *Kareba flavipes* Cameron, 1905.

*Anocatostigma* Enderlein, 1920: 131; Shenefelt & Marsh, 1976: 1299; Marsh, 1979a: 151. Type species (by original designation): *Anocatostigma paradoxum* Enderlein, 1920.

*Harpagolaccus* Enderlein, 1920: 138; Shenefelt & Marsh, 1976: 1298; Marsh, 1979a: 151; Belokobylskij, 1992b: 913. Type species (by original designation): *Harpagolaccus pectinatus* Enderlein, 1920.

***hilaris* Haliday, 1834**

*Microgaster hilaris* Haliday, 1834b: 245.

*Apanteles hilaris*; Shenefelt, 1972: 497 (as synonym of *Apanteles emarginatus* (Nees, 1834)).

Type-material.— Lectotype here designated, ♀ (NMI), on hexagonal Haliday card, with small green

label "14" (= Irish), "422", from box 14. Excluded: 1 ♀ (NMV), with very short ovipositor, a *Cotesia* species.

Valid name.— *Apanteles hilaris* (Haliday, 1834) (Microgastrinae).

Note.— *Apanteles hilaris* is very similar to *A. laevigatoides* Nixon, 1972, but is has the antenna longer (about as long as body), its penultimate segments cubic, the tegulae yellowish, the ovipositor sheath about 1.4 times length of hind tibia, the punctuation of the mesoscutum denser, and the sculpture of the propodeum less distinct.

*idalius* Haliday, 1833

*Perilitus idalius* Haliday, 1833a: 264.

*Perilitus (Perilitus) idalius*; Haliday, 1835b: 38.

*Syntretus idalius*; Shenefelt, 1969: 131.

Type-material.— Syntypes (♀ ♀ from Ireland) not found. In NMI, there are 2 ♀ ♀ and a card without a specimen labelled "*P. idalius*" which cannot be types because they were obviously received from Walker and originate from England. In NMV, there is 1 ♀ of Curtis ("Hayo LS"), which is also English, and 1 ♂ with Haliday's identification label, Irish ("*idalius*" on a green label). The latter cannot be a syntype because Haliday had no males when he described this species. It disagrees with the original description (e.g. the mesoscutum is too pale) and it has 23 antennal segments.

Valid name.— *Syntretus idalius* (Haliday, 1835) (Euphorinae).

Note. — When the West Palaearctic species are revised, it may be necessary to designate one of the NMI specimens as neotype. This species may be a synonym of *S. vernalis* (Wesmael, 1835), and *S. politus* (Ruthe, 1856).

*immunis* Haliday, 1834

*Microgaster immunis* Haliday, 1834b: 250.

*Apanteles immunis*; Shenefelt, 1972: 536; Nixon, 1976: 717-718; Papp, 1984b: 283, 284.

*Protapanteles immunis*; Mason, 1981: 145.

Type-material.— Lectotype here designated, ♀ (NMI), from box 14, on Haliday card, Irish.

Valid name.— *Cotesia immunis* (Haliday, 1834) **comb. nov.** (Microgastrinae).

Note.— Its identity agrees with the interpretation by Nixon (1976).

*imperator* Haliday, 1836

*Rogas (Doryctes) imperator* Haliday, 1836a: 46-47.

*Ontsira imperator*; Shenefelt & Marsh, 1976: 1324.

Type-material.— Lectotype here designated, ♀ (NMV), "14a" (probably by Haliday, and Irish), "This may be the type of *Rogas imperator* Haliday, det. P. Marsh '65". No specimens in NMI.

Valid name.— *Ontsira imperator* (Haliday, 1836) (Dorcytinae).

***indagator* Haliday, 1836**

*Rogas (Rhyssalus) indagator* Haliday, 1836a: 54-55.

*Rhyssalus indagator*; Shenefelt, 1975: 1214.

*Dolopsidea indagator*; Stelfox, 1951: 93 (lectotype designation).

Type-material.— Lectotype designated by Stelfox (1951), ♀ (NMI), on rectangular card (from Walker, London), with pin in corner, "British Haliday, 20.ii.[18]82/Box 9, A.W.S.", "*Rhyssalus indagator* Hal., ♀. Type!, A.W.S., 3.v.1950", "*Dolops* cf. *aculeator* Marsh., ♀, A.W.S., 18.viii.1945". Paralectotype: 1 ♂ (NMI), from box 9.

Valid name.— *Dolopsidea indagator* (Haliday, 1836) (Rhyssalinae).

***infimus* Haliday, 1834**

*Microgaster infimus* Haliday, 1834b: 243.

*Apanteles infimus*; Shenefelt, 1972: 539; Nixon, 1972: 726-727; Papp, 1979: 246.

Type-material.— Lectotype should be ♀ (BMNH, 3.c.1072), "17", on Haliday card, mentioned by Wilkinson (1939: 54) as "type". It was not possible to find it (Huddleston, in litt.). Paralectotype (provisionally; it may become the lectotype): 1 ♂ (BMNH), "17", "63/53", "*Apanteles infimus* Hal., D.S. Wilkinson, det. 1939". No types found in NMI.

Valid name.— *Apanteles infimus* (Haliday, 1834) (Microgastrinae).

***infulatus* Haliday, 1834**

*Aphidius infulatus* Curtis, 1831: no. 383 (nom. nud.).

*Aphidius (Aphidius) infulatus* Haliday, 1834a: 96-97.

*Pauesia infulata*; Mackauer, 1961: 107 ("Holotypus, ♀"), 1968: 33 (lectotype in "Mus. London", but no formal designation; incorrectly stated to originate from England).

Type-material.— Lectotype indirectly designated by Mackauer (1961), according to Art. 94c, ♀ (BMNH), "B.M. Type Hym. 3.c.89".

Valid name.— *Pauesia infulata* (Haliday, 1834) (Aphidiinae).

***infumatus* Haliday, 1834**

*Microgaster infumatus* Haliday, 1834b: 237; Shenefelt, 1973a: 727 (as synonym of *M. rugulosus* Nees, 1834).

*Microgaster rugulosus* Nees, 1834a: 163.

*Hygroplitis rugulosus*; Mason, 1981: 73.

Type-material.— Lectotype here designated, ♂ (NMV), green label "3" (by Haliday, = Irish), "554.1", low on pin. No types found in NMI. Excluded: ♀ (NMV) mentioned by Wilkinson (1934) as "type", but it cannot be a type specimen because Haliday had only males, and on the reverse side of the card is written "July 54, Bath"! Two other specimens in NMV are labelled "Dover, 2.viii.[18]52" and also cannot be types either.

Valid name.— *Hygroplitis rugulosus* (Nees, 1834) (Microgastrinae).

*ingratus* Haliday, 1834

*Ichneumon deprimator* Fabricius, 1798: 227; Shenefelt, 1973: 702; van Achterberg, 1982: 135-136; Papp, 1984a: 96.

*Microgaster ingratus* Haliday, 1834b: 236; Shenefelt, 1973a: 754; Papp, 1984a: 111 (as synonym of *M. ocellatae* Bouché, 1834). **Syn. nov.**

*Microgaster sordipes* Nees, 1834a: 167; Shenefelt, 1973a: 759-760; Papp, 1984a: 96.

Type-material.— Holotype, ♀ (NMV), "2", pinned, "seen & referred to by D.S. Wilkinson". Excluded: 1 ♀ (NMV), Curtis specimen without label, too small (length of body 3.0 mm; holotype is 4.3 mm) and hind femur too dark to be a type.

Valid name.— *Microplitis deprimator* (Fabricius, 1798) (Microgastrinae).

*intactus* Haliday, 1835

*Leiophron (Leiophron) intactus* Haliday, 1835a: 465.

*Leiophron intactus*; Shenefelt, 1969: 40; Loan, 1974: 226 (lectotype designation).

*Leiophron pallidistigma* Curtis, 1833: no. 476.

Type-material.— Type series not found; ♀ (NMI), "66", "Box 8 A.W.S./British Haliday, 20.ii.[18]82 (incorrect, Irish; mounted on Haliday card), "similis ♀ A.W.S.", "cf *intactus* Hal., A.W.S., ♀, 25.iii. 1949". It lacks a label by Loan and the number "9a", so the specimen designated lectotype by Loan seems to be absent in NMI (CNC, Ottawa? Lost?). Loan (1974) refers also to 1 ♀ + 3 ♂♂ (NMI) which I could not find. The ♀ under *L. intactus* in NMI cannot be a type because the antenna should be as long as body (actually 0.75 times; probably Haliday had only males; he was not sure about the sex), the notauli should be reduced posteriorly (well sculptured), and the antenna should be "gracilis filiformes", but are robust in the NMI specimens.

Valid name.— *Euphorus pallidistigma* (Curtis, 1833) **comb. nov.** (Euphorinae).

Note.— Although the types series may be lost, it seems best to accept the proposed synonymy by Loan (1974) with *L. pallidistigma* Curtis, 1833, because he examined the type series.

*intricatus* Haliday, 1834

*Microgaster intricatus* Haliday, 1834b: 252-253.

*Apanteles intricatus*; Shenefelt, 1972: 478 (as synonym of *A. congestus* (Nees, 1834)); Papp, 1986: 230, 1987: 244.

*Cotesia intricata*; Papp, 1988: 154.

*Microgaster tibialis* Curtis, 1830: no. 321.

*Apanteles tibialis*; Shenefelt, 1972: 652; Papp, 1986: 230, 1987: 244.

*Cotesia tibialis*; Papp, 1988: 154, 156.

Type-material.— Type should be ♀ in the G.C. Hyndman collection (Belfast), not available for examination. Excluded: 1 ♀ (NMI); 1 ♂ (NMV).

Valid name.— *Cotesia tibialis* (Curtis, 1830) (Microgastrinae).

Note.— For the moment it seems best to follow recent practise and synonymize *M. intricatus* with *M. tibialis* (Curtis) until the type series can be examined.

***isabella*** Haliday, 1838

*Alysia (Alysia) isabella* Haliday, 1838: 240.

*Dapsilarthra isabella*; Shenefelt, 1974: 589; van Achterberg, 1983b: 12.

Type-material.— Holotype ♂ lost? (van Achterberg, 1983). Not in NMI.

Valid name.— *Paraorthostigma isabella* (Haliday, 1838) **comb. nov.** (Alysiinae).

***jaculans*** Haliday, 1838

*Alysia (Alysia) jaculans* Haliday, 1838: 246.

*Aspilota jaculans*; Shenefelt, 1974: 974-975; Fischer, 1972a: 397-399.

Type-material.— Lectotype here designated, ♀ (NMI), "AHH, 510" (on reverse side of Haliday card, Irish), "Box 10 A.W.S./British [sic!], Haliday, 20.ii.[18]82, "*Aspilota jaculans* Hal., ♀. Type!, A.W.S., 26.xii.[19]34".

Valid name.— *Aspilota jaculans* (Haliday, 1838) (Alysiinae).

***jaculator*** Haliday, 1835

*Perilitus (Meteorus) jaculator* Haliday, 1835b: 34.

*Meteorus jaculator*; Shenefelt, 1969: 74; Huddleston, 1980: 36.

Type-material.— Holotype lost? Not in NMI or OUM. Specimen in OUM, ♀ "6" is not a type specimen because it does not fit the original description.

Valid name.— *Meteorus jaculator* (Haliday, 1835) (Euphorinae).

***lacertosus*** Haliday, 1833

*Aphidius (Ephedrus) lacertosus* Haliday, 1833b: 486-487.

*Ephedrus lacertosus*; Mackauer, 1961: 99 ("Holotypus, ♂"), 1968: 10 (lectotype in "Mus. London", but no formal designation; incorrectly stated to originate from England); Gärdenfors, 1986: 81-84 (lectotype in "Mus. London", but no formal designation; incorrectly stated to originate from England).

*Ephedrus muesebecki* Smith, 1944: 20-21.

Type-material.— Lectotype indirectly designated by Mackauer (1961), according to Art. 94c, ♂, (BMNH), "B.M. Type Hym. 3.c.71". Paralectotypes: 3 ♀♀ (NMI), on regular rectangular cards, unnumbered and with short pin (most probably by Haliday and from Ireland), "Box 10 A.W.S./British [sic!], Haliday, 20.ii.[18]82".

Valid name.— *Ephedrus lacertosus* (Haliday, 1833) (Aphidiinae).



***lancifer* Haliday, 1836**

*Dyscolus lancifer* Haliday, 1836a: 39.

*Dyscoletes lancifer*; Haliday (in Westwood), 1840: 62; van Achterberg, 1988b: 32 (lectotype designation).

Type-material.— Lectotype designated by van Achterberg (1988), ♂ (NMI), remounted by A.W.S. (16.vii.1950), originally on Walker card, probably from England, "Box 18 A.W.S./British, Haliday, 20.ii.[18]82", *Dyscoletes lancifer*?, ♂, A.W.S., 15.iii.1942". The female syntype is obviously lost.

Valid name.— *Dyscoletes lancifer* (Haliday, 1836) (Blacinae).

***laricis* Haliday, 1834**

*Aphidius (Aphidius) laricis* Haliday, 1834a: 97.

*Pauesia laricis*; Mackauer, 1961: 107 (lectotype designation), 1968: 34 (incorrectly stated to originate from England).

Type-material.— Lectotype designated by Mackauer (1961), ♀ (BMNH), "B.M. Type Hym. 3.c.127". Paralectotype: 1 ♂ (BMNH), 3.c.127.

Valid name.— *Pauesia laricis* (Haliday, 1834) (Aphidiinae).

***Lasiophorus* Haliday, 1838**

*Lasiophorus* Haliday, 1838: 213; Shenefelt, 1978: 1691; van Achterberg, 1983d: 179-180. Type species (by monotypy): *Bracon lanceolator* Fabricius, 1804.

***lateralis* Haliday, 1834**

*Microgaster lateralis* Haliday, 1834b: 248.

*Apanteles lateralis*; Nixon, 1973: 177; Shenefelt, 1972: 551; Papp, 1983: 259-260.

*Sathon lateralis*; Mason, 1981: 80, 107.

*Glyptapanteles lateralis*; Papp, 1988: 152.

Type-material.— Lectotype here designated, ♀ (BMNH), "19", "63/53", "*Apanteles lateralis* Hal., D.S. Wilkinson, det. 1936". Paralectotypes: 2 ♂♂ (BMNH), "19", "63/53", "*Apanteles lateralis* Hal., D.S. Wilkinson, det. 1936"; 1 ♀ (NMV), on Haliday card, with green (= Irish) label "3", "*lateralis*"; 3 ♀♀ + 6 ♂♂ (NMI), from box 14, all on Haliday cards (Irish). Excluded: 1 ♂, "140", with *lateralis*-label, which is not a type, received from Walker and is according to Wilkinson *A. pinicola* Lyle, 1917.

Valid name.— *Apanteles lateralis* (Haliday, 1834) (Microgastrinae).

Note.— The neotype designated by Wilkinson (1945: 123) from the Bignell collection (Plymouth Museum) is superfluous, and it is unexplainable why Wilkinson did this after he had examined the type specimens in BMNH.

***lateralis* Haliday, 1839**

*Alysia (Dacnusa) lateralis* Haliday, 1839b: 9.

*Chorebus lateralis*; Stelfox (in Griffiths), 1966: 931 (lectotype "designated"; no specimen in NMI with "Type" or with lectotype label); Shenefelt, 1974: 1052-1053.

Type-material.— Lectotype here designated, ♂ (NMI), "686", on Walker card numbered "7", "Box 10 A.W.S./British, Haliday, 20.ii.[18]82", "*lateralis* ♂?, Hal., A.W.S., 26.xii.[19]32". Paralectotypes: 3 ♂♂ (NMI), with dark metasoma and yellowish scapus.

Valid name.— *Chorebus lateralis* (Haliday, 1839) (Alysiinae).

***lepidus*** Haliday, 1835

*Helcon (Triaspis) lepidus* Haliday, 1835c: 125.

*Eubadizon lepidus*; Shenefelt, 1970a: 238-239.

*Aliolus lepidus*; Tobias, 1986: 166.

Type-material.— Types lost; no syntypes in NMI or NMV.

Valid name.— *Eubazus lepidus* (Haliday, 1835) **comb. nov.** (Helconinae).

***leptogaster*** Haliday, 1839

*Alysia (Dacnusa) leptogaster* Haliday, 1839b: 10-11; Stelfox (in Griffiths), 1966: 932.

*Chorebus leptogaster*; Shenefelt, 1974: 1053.

Type-material.— Lectotype here designated, ♀ (NMI), green (= Irish) label "16", on Haliday card, "Box 10 A.W.S./British [sic!], Haliday, 20.ii.[18]82", "*Dacnusa leptogaster* Hal., ♀, A.W.S., 30.xii.[19]32". Paralectotypes: 5 ♀♀ + 4 ♂♂ (NMI), from box 10, partly Irish (Haliday) and English (Walker).

Valid name.— *Chorebus leptogaster* (Haliday, 1839) (Alysiinae).

***letifer*** Haliday, 1833

*Aphidius letifer* Curtis, 1831: no. 383 (nom. nud.).

*Aphidius (Trioxys) letifer* Haliday, 1833b: 491.

*Trioxys (Binodoxys) letifer*; Mackauer, 1961: 150 (neotype designation).

*Binodoxys letifer*; Mackauer, 1968: 79 (incorrectly stated to originate from England).

Type-material.— Lectotype here designated, ♀ (NMI), on regular rectangular card, unnumbered and with short pin (thus by Haliday and from Ireland), "aphides of *Salix ulmifolia* June 3" (in Haliday's handwriting), "Box 10 A.W.S./British [sic!], Haliday, 20.ii.[18]82", "*Trioxys letifer* Hal., Type!, ♀, A.W.S., 21.iii.1940.

Valid name.— *Binodoxys letifer* (Haliday, 1833) (Aphidiinae).

Note.— The neotype (♀, DEI) designation by Mackauer (1961) is superfluous, because a type specimen is present in NMI.

***leucopterus*** Haliday, 1834

*Aphidius (Aphidius) leucopterus* Haliday, 1834a: 103.

*Diaeretus leucopterus*; Mackauer, 1961: 106; Sary, 1960: 240-242 (neotype designation).

Type-material.— Syntypes most probably lost; not found in BMNH or NMI. Neotype (♀, Sary Collection) designated by Sary (1960).

Valid name.— *Diaeretus leucopterus* (Haliday, 1834) (Aphidiinae).

***lituratus* Haliday, 1835**

*Leiophron (Ancylus) lituratus* Haliday, 1835a: 461.

*Allurus lituratus*; Shenefelt, 1969: 7.

Type-material.— Lectotype here designated, ♀ NMI, "Box 8 A.W.S./British [most probably incorrect], Haliday, 20.ii.[18]82", mounted on narrow triangular card (probably Irish), "*lituratus*, ♀, A.W.S., 18.iii.1948". Paralectotype: 1 ♀ (NMI) from box 8, severely damaged, pinned, "*Ancylus lituratus* Hal., ♀, Type!, A.W.S., 19.ii.1948". Excluded: 2 ♀♀ (NMI) in box 39, English (Walker) specimens.

Valid name.— *Allurus lituratus* (Haliday, 1835) (Euphorinae).

Note.— Synonymized with *A. muricatus* Haliday, 1833, by van Achterberg (1985) because the traditional differences are not sufficient to separate continental populations, but they are sufficient to separate the Irish specimens seen by Haliday. Females of both continental and Irish populations may be separated as follows:

1. Ventrally metasoma at level of apex of second tergite with pair of distinct teeth; second tergite usually yellowish antero-medially; mesosternum moderately long setose and at most punctulate; posterior face of propodeum gradually sloping; ovipositor sheath less convex and in dorsal view directly tapering apically .....  
..... *A. muricatus* (Haliday)
- Ventrally metasoma at level of apex of second tergite without teeth, only at level of fourth tergite pair of small or moderately-sized teeth present, but frequently reduced or absent; second tergite dark brown antero-medially; mesosternum long setose and punctate; posterior face of propodeum comparatively steep; ovipositor sheath comparatively convex and in dorsal view roundly narrowed apically .....  
..... *A. lituratus* (Haliday)

No males of *A. lituratus* (Haliday) are known to me; they may differ from males of *A. muricatus* (Haliday) by the steeper posterior part of the propodeum. The difference in colour of the second tergite seems too variable, especially in males. Males are difficult to identify, because they lack the metasomal teeth and the dense setosity of the mesosternum.

***livida* Haliday, 1838**

*Alysia (Alysia) livida* Haliday, 1838: 237.

*Phaenocarpa livida*; Shenefelt, 1974: 1010.

Type-material.— Lectotype here designated, ♀ (NMI), on Haliday card, "Box 10, A.W.S./British [sic!], Haliday, 20.ii.[18]82", Irish, "*Alysia livida* Hal., ♀. Type!, A.W.S., 1.i.1942". Paralectotypes: 1 ♂ (NMI) from box 10; 7 ♀♀ + 15 ♂♂ (NMI), from box 28. The specimens from box 28 are included because they obviously belong to the same series received from Walker as the specimen from box 10. Probably

because of the large number of specimens present in the series, Haliday transferred specimens to a higher numbered box.

Valid name.— *Phaenocarpa livida* (Haliday, 1838) (Alysiinae).

***loripes* Haliday, 1838**

*Alysia (Alysia) loripes* Haliday, 1838: 222-223.

*Alysia loripes*; Shenefelt, 1974: 945-946; Wharton, 1988: 37 (as synonym of *A. mandibulator* Nees, 1814).

*Alysia mandibulator* Nees, 1814: 204.

Type-material.— Holotype, ♀ (NMI), on elongate Walker card with in pencil "97", "Box 6, A.W.S./British, Haliday, 20.ii.[18]82", "Nr Windsor, England, F. Walker, leg. before 1838", "*loripes* Hal., ♀. Type!, A.W.S., 21.iv. 1934". The holotype is a deformed specimen (hind femur and first metasomal tergite).

Valid name.— *Alysia mandibulator* Nees, 1814 (Alysiinae).

***lucia* Haliday, 1838**

*Alysia (Alysia) lucia* Haliday, 1838: 226; Wharton, 1986: 474-477 ("Holotype, ♂, Scotland, .....").

*Alysia lucia*; Shenefelt, 1974: 946.

Type-material.— Lectotype indirectly designated by Wharton (1986), according to Art. 94c, ♂ (NMI), on pentagonal card, on reverse side "Newlandb. ix.3", "Newlandburn 3.ix.1837 (? near Edinburgh), see Hal. MS diary & also Ent. Mag. v: 226", "Box 6, A.W.S./British, Haliday, 20.ii.[18]82", "*Alysia lucia* Hal., ♂. Type!, A.W.S., 21.iv. 1938".

Valid name.— *Alysia lucia* Haliday, 1838 (Alysiinae).

***lucicola* Haliday, 1838**

*Alysia (Alysia) lucicola* Haliday, 1838: 226.

*Alysia lucicola*; Shenefelt, 1974: 946; Wharton, 1986: 485-487.

Type-material.— Lectotype designated by Wharton (1986), ♀ (NMI), on rectangular Haliday card, with a short pin and without a number, Irish, "Box 6, A.W.S./British [sic!], Haliday, 20.ii.[18]82", "*Alysia lucicola* Hal., ♀. Type!, A.W.S., 22.iv.1938". Paralectotypes: 2 ♀ ♀ + 2 ♂ ♂ (NMI) from box 6; 1 ♀ (NMI) from box 11; mainly from Walker (England). Excluded: 4 specimens (NMI) from box 25. Not examined: 2 specimens (SCT).

Valid name.— *Alysia lucicola* Haliday, 1838 (Alysiinae).

***luctuosus* Haliday, 1834**

*Microgaster luctuosus* Haliday, 1834b: 239-240; Shenefelt, 1974: 734 (as synonym of *M. tibialis* (Nees, 1834) not Curtis, 1830); not Papp, 1976: 106.

*Microgaster curvicrus* Thomson, 1895: 2242; Nixon, 1968: 46; Shenefelt, 1972: 701; Papp, 1976: 101. **Syn. nov.**

Type-material.— Holotype, ♀ (NMI), with tiny piece of red paper (= England; according to original description collected in South England by Haliday), “392”, in box 14. Excluded: the five specimens in NMV are not types, mostly not from Haliday, and belonging to three different genera.

Valid name.— *Microgaster luctuosa* Haliday, 1834 (Microgastrinae).

***lugens* Haliday, 1836**

*Opius* (*Opius*) *lugens* Haliday, 1836c: 206; Fischer, 1972b: 373.

Type-material.— Lectotype here designated, ♂ (NMI), with rosy label (= English), “531” on card, “Box 6 A.W.S./British Haliday, 20.ii.[18]82”, “*Opius lugens* Hal., ♂. Type!, A.W.S., 1934”. Paralectotypes: 5 ♀♀ + 1 ♂ (NMI), all or mainly collected by Walker (England); 1 ♀ (NMV), on Haliday card and small green label (Ireland), and Haliday’s label “*lugens*”.

Valid name.— *Opius lugens* Haliday, 1836 (Opiinae).

***lugens* Haliday, 1839**

*Alysia* (*Dacnusa*) *lugens* Haliday, 1839b: 26; Stelfox (in Griffiths), 1966: 932.  
*Dacnusa lugens*; Shenefelt, 1974: 1092.

Type-material.— Lectotype here designated, ♀ (NMI), “Box 72 A.W.S./Haliday, 20.ii.[18]82”, “Norway, F. Walker”, on Walker card, but no number, “*Dacnusa lugens* Hal. ♂, Type?, A.W.S., 19.xii. [19]32”. The lectotype has 22 antennal segments (not 21 as indicated by Haliday), but there is no indication he had only one specimen, and the lost material may have possessed 21 segments.

Valid name.— *Dacnusa lugens* (Haliday, 1839) (Alysiinae).

***lustrator* Haliday, 1836**

*Rogas* (*Colastes*) *lustrator* Haliday, 1836a: 58.  
*Xenarcha lustrator*; Shenefelt, 1975: 1137-1138; van Achterberg, 1983a: 350.

Type-material.— Holotype, ♂ (NMI), from Ireland, “4”, “*Colastes lustrator* Hal., ♂. Type!, A.W.S., 2.i. 1934”. Excluded: 1 ♂ (NMV).

Valid name.— *Xenarcha lustrator* (Haliday, 1833) (Exothecinae).

***lutescens* Haliday, 1834**

*Aphidius* (*Aphidius*) *lutescens* Haliday, 1834a: 99; Stary, 1973: 5.  
*Aphidius lutescens*; Mackauer, 1961: 125, 1968: 58.  
? *Aphidius rosae* Haliday, 1834a: 97-99 (according to Haliday in footnote, but this species has its legs completely yellowish).  
? *Bracon melanocephalus* Nees, 1812: 29.  
? *Aphidius asteris* Haliday, 1834a: 99.  
? *Aphidius absinthii* Marshall, 1896: 605-606; Stary, 1973: 5-9.

Type-material.— Type not found in BMNH or NMI; considered lost (Mackauer, 1968).

Valid name.— ?*Aphidius asteris* Haliday, 1834 (Aphidiinae).

Note.— According to Mackauer (1961) the yellowish colour of the body may be caused by premature killing, especially of parasites of *Macrosiphoniella* species.

***lymphata* Haliday, 1839**

*Alysia* (*Chorebus*) *lymphata* Haliday, 1839b: 19; Stelfox (in Griffiths), 1966: 932.  
*Chorebus lymphatus*; Shenefelt, 1974: 1054.

Type-material.— Holotype, ♀ (NMI) on Haliday card with incision under head, from box 11, "*Chorebus lymphatus* Hal.?, ♀. Type?, ♀, A.W.S., 1932". Antenna with 22 segments as indicated by Haliday.

Valid name.— *Chaenusa lymphata* (Haliday, 1839) **comb. nov.** (Alysiinae).

***macrospila* Haliday, 1839**

*Alysia* (*Dacnusa*) *macrospila* Haliday, 1839b: 14; Stelfox (in Griffiths), 1966: 931 (lectotype designated).  
*Dacnusa macrospila*; Shenefelt, 1974: 1092.

Type-material.— Lectotype designated by Stelfox (1966), ♂ (NMI), probably from England, on Walker card, from box 10; its wings are damaged. Paralectotypes: 5 ♂♂ (NMI), of which two belong to the variety mentioned by Haliday.

Valid name.— *Dacnusa macrospila* (Haliday, 1839) (Alysiinae).

***maculipes* Haliday, 1838**

*Alysia* (*Alysia*) *maculipes* Haliday, 1838: 246.  
*Orthostigma maculipes*; Shenefelt, 1974: 998-999.

Type-material.— Lectotype here designated, ♀ (NMI), mounted on irregular (Haliday?) card from box 10, with small red label "17", "*Aspilota maculipes* ♀ Hal., det. R. König". Paralectotype: 1 ♂ (NMI) from box 10, badly mounted on Walker card, on its reverse side "205" in pencil.

Valid name.— *Orthostigma maculipes* (Haliday, 1838) (Alysiinae).

***marginalis* Haliday, 1839**

*Alysia* (*Dacnusa*) *marginalis* Haliday, 1839b: 6; Stelfox (in Griffiths), 1966: 931 (lectotype designated, but no specimen found with "Type" as indicated by Stelfox).  
*Epimicta marginalis*; Shenefelt, 1974: 1100.

Type-material.— Lectotype here designated, ♀ (NMI), from England, probably collected (and pinned (lowly) because it is a comparatively large specimen) by Walker, "Box 11 A.W.S./British, Haliday, 20.ii.[18]82", "? from Curtis Coll. A.W.S.", "*Epimicta marginalis* Hal., A.W.S., 3.ix.1932". No other specimens found.

Valid name.— *Epimicta marginalis* (Haliday, 1839) (Alysiinae).

**maria** Haliday, 1838

*Alysia (Alysia) maria* Haliday, 1838: 237-238.  
*Phaenocarpa maria*; Shenefelt, 1974: 1011.

Type-material.— Lectotype here designated, ♀ (NMI), on regular (Walker) card with “53” on card, from box 10, “Nr London, F. Walker, before 1839, A.W.S. 29.xi.1938”, “*Alysia maria* Hal., ♀. Type!, A.W.S., 29.xi.1938”. Paralectotype: 1 ♀ (NMI) from box 10, green label (= Irish) “21”, “*anthracina*” (MS-name by Haliday), “487”, “Holywood, Co. Down, Haliday, before 1839, A.W.S. 29.xi.1938”. Excluded: 1 ♀ (NMI) from box 25 on Walker card.

Valid name.— *Phaenocarpa maria* (Haliday, 1838) (Alysiinae).

**maritima** Haliday, 1838

*Alysia (Alysia) maritima* Haliday, 1838: 230; Wharton, 1980: 44 (lectotype listed).  
*Idiasta maritima*; Shenefelt, 1974: 994.

Type-material.— Lectotype listed by Wharton (1980), ♀ (NMI), with green label (= Irish) “10”, “480”, “Box 10 A.W.S./British [sic!] Haliday, 20.ii.[18]82”, “*Alysia maritima* Hal., ♀. Type!, A.W.S., 19.iii.1941”. Paralectotypes: 5 ♀ ♀ (one dissected on card) + 3 ♂ ♂ (NMI) from box 10, mostly received from Walker. Excluded: 2 ♀ ♀ (NMI) from box 25.

Valid name.— *Idiasta maritima* Haliday, 1838 (Alysiinae).

**matricariae** Haliday, 1834

*Aphidius (Aphidius) matricariae* Haliday, 1834a: 103.  
*Aphidius matricariae*; Mackauer, 1961: 126-127 (lectotype designation of “das linke Exemplar”), 1968: 49-50 (incorrectly stated to originate from England); Stary, 1973: 31-35.

Type-material.— Lectotype designated by Mackauer (1961), ♀ (BMNH), “B.M. Type Hym. 3.c.101”. Paralectotype: 1 ♀ (BMNH), 3.c.101.

Valid name.— *Aphidius matricariae* Haliday, 1834 (Aphidiinae).

**mediator** Haliday, 1834

*Microgaster mediator* Haliday, 1834b: 235-236; Papp, 1984a: 97, 109.  
*Microplitis mediator*; Shenefelt, 1973a: 750-752; Nixon, 1970: 18.

Type-material.— Lectotype here designated, ♂ (NMI), on rectangular Haliday card, “400” from box 14. Paralectotypes: 1 ♂ (NMI); 1 ♂ (NMV), “22”, and “*mediator*” (probably in Haliday’s handwriting), on irregular card. Excluded: 1 ♂ (BMNH) on Haliday card, “59/4” (not by Haliday), “*Microgaster mediator* ♂ Hal.”, “under *Microplitis tuberculifera* Wesm.” (but belongs to the dark variety of *M. mediator*, not *M. tuberculifera*); 1 ♂ (NMV), “22” (not by Haliday), and pinned. Not examined: 1 specimen (SCT).

Valid name.— *Microplitis mediator* (Haliday, 1834) (Microgastrinae).

*meditator* Haliday, 1836

*Rogas (Colastes) meditator* Haliday, 1836a: 56.

*Rhysipolis meditator*; Shenefelt, 1975: 1136.

Type-material.— Lectotype here designated, ♂ (NMI), severely damaged, head missing (probably because of transport to and from St. Petersburg), on triangular card with "(")280", from Ireland, "*Colastes meditator* Hal., ♂. Type!, A.W.S., 18.iii.1936".

Valid name.— *Rhysipolis meditator* (Haliday, 1833) (Rhysipolinae).

*meridianus* Haliday, 1834

*Microgaster meridianus* Haliday, 1834b: 239, 254 (report of additional variety); Shenefelt, 1973a: 717.

?*Microgaster nigricans* Nees, 1834a: 167; Curtis, 1837: 116.

*Microgaster grandis* Thomson, 1895: 2242; Nixon, 1968: 53; Shenefelt, 1973a: 712; Papp, 1976: 107. **Syn. nov.**

Type-material.— Lectotype here designated, ♀ (NMI), from box 14. Paralectotype: 1 ♀ (NMI), "387". Excluded: 1 ♀ + 3 ♂♂ (NMI), all pinned and all with completely black hind femora (which disagrees with the original description), one ♂ with "3", but not by Haliday.

Valid name.— *Microgaster meridiana* (Haliday, 1834) (Microgastrinae).

Note.— *Microgaster nigricans* Nees, 1834, may be this species, as already was suggested by Curtis (1837). The correct name for *M. meridiana* auctt. (= *M. tibialis* Nees, 1834, not Curtis, 1830) is *M. messoria* (Haliday, 1834).

*messorius* Haliday, 1834

*Microgaster messorius* Haliday, 1834b: 239; Shenefelt, 1973a: 734-735 (as synonym of *M. tibialis* Nees, 1834).

*Microgaster tibialis* Nees, 1834a: 168 (not Curtis, 1830); Nixon, 1968: 50-51; Shenefelt, 1973: 733-735; Papp, 1976: 106. **Syn. nov.**

Type-material.— Lectotype here designated, ♀ (NMI), from box 7, with old label of Haliday "*messorius*", pinned lowly. Paralectotype: 1 ♀ (NMI), mounted on Haliday card, from box 14. Excluded: 1 ♀ (NMV).

Valid name.— *Microgaster messoria* Haliday, 1834 **stat. nov.** (Microgastrinae).

Note.— The lectotype selection by Nixon in 1948 (but never published) of a Curtis specimen in NMV is unjustified. Haliday did not include Curtis specimens in the type series.

*Meteorus* Haliday, 1835

*Meteorus* Haliday, 1835b: 24 (as subgenus of *Perilitus* Nees, 1818); Shenefelt, 1969: 48; Marsh, 1979a: 282; Huddleston, 1980: 9-10, 1983: 394. Type species (designated by Haliday, 1840): *Ichneumon pendulator* Latreille, 1799.

*Saprotychus* Holmgren, 1868: 430; Shenefelt, 1969: 49. Type species (designated by Viereck, 1914):



*Saprotichus chinensis* Holmgren, 1868.

*Pachythecus* Cameron, 1912: 84; Shenefelt, 1969: 49. Type species (designated by Viereck, 1914): *Pachythecus ruficeps* Cameron, 1912.

### *micropterus* Haliday, 1835

*Perilitus* (*Meteorus*) *micropterus* Haliday, 1835b: 27.

*Meteorus micropterus*; Shenefelt, 1969: 81; Huddleston, 1980: 39 (lectotype designation).

Type-material.— Lectotype designated by Huddleston (1980), ♀ (NMI), Walker specimen, "British Haliday, 20.ii.[18]82/Box 8 A.W.S.", "Lectotype", "*Meteorus micropterus* Haliday, ♀. Type !, A.W.S., 2.viii.1948", "*Meteorus micropterus* Haliday, det. 1978, T. Huddleston. Lectotype, ♀". Paralectotypes: 2 ♀♀ + 4 ♂♂ (NMI), all Walker specimens from box 8; 1 ♀ (OUM), on Haliday card. Excluded: 1 ♀ (NMV), "2 June, Veerent", a Curtis specimen which does not fit the original description. Not examined: 1 specimen (SCT).

Valid name.— *Meteorus micropterus* (Haliday, 1835) (Euphorinae).

### *minutus* Haliday, 1833

*Aphidius* (*Trioxys*) *minutus* Haliday, 1833b: 491.

*Trioxys* (*Binodoxys*) *minutus*; Mackauer, 1961: 150 (types lost [sic!]).

*Binodoxys minutus*; Mackauer, 1968: 77 (as possible synonym of *B. brevicornis* (Haliday, 1833)).

Type-material.— Lectotype here designated, ♀ (NMI), "in Buxo Balear." (in Haliday's handwriting), Box 10 A.W.S./British Haliday, 20.ii.[18]82 [incorrect, Irish, on Haliday card]", "*Trioxys minutus* Hal. Type!, ♀, A.W.S., 21.iii.1940".

Valid name.— *Binodoxys minutus* (Haliday, 1833) (Aphidiinae).

### *Mirax* Haliday, 1833

*Mirax* Haliday, 1833a: 263; Shenefelt, 1973a: 676-679; Marsh, 1979a: 261. Type species (by monotypy):

*Mirax rufilabris* Haliday, 1833.

### *mitis* Haliday, 1833

*Leiophron mitis* Haliday, (April) 1833a: 264; Shenefelt, 1969: 41; Loan, 1974: 234 (as "species incertae sedis").

*Leiophron* (*Leiophron*) *mitis*; Haliday, 1835a: 463.

?*Leiophron pallipes* Curtis, (November) 1833: 476; Shenefelt, 1969: 43-45.

?*Peristenus pallipes*; Loan, 1974: 216-218.

Type-material.— Holotype (a female with not fully expanded wings and aberrantly shortened first tergite) was not found in NMI or NMV.

Valid name.— *Peristenus mitis* (Haliday, 1833) (Euphorinae).

Note.— According to Dr A. Neboiss (in litt.) *L. mitis* is listed by Curtis in his note book under *L. pallipes* Curtis as an abortive specimen. Haliday (1835) expressed in a note his doubts about the value of the difference between his "section A" with the

first tergite hardly longer than wide (= *L. mitis*) and his "section B" (= *L. pallipes* and its congeners). According to Loan (1974) the lectotype-male of *L. pallipes* has the first tergite 1.7 times as long as wide apically, which seems to be also about the normal average for the length of the first tergite of females in this species.

Since Curtis (1833) cites Haliday's paper, it is obvious that *L. mitis* has priority over *L. pallipes*, if the opinion of the first revisor is accepted. However, even for an abortive specimen the difference in shape of the first tergite (hardly longer than wide apically in *L. mitis*, and more than 1.5 times in *P. pallipes*) seems to exclude it from synonymy.

### *Monoctonus* Haliday, 1833

*Monoctonus* Haliday, 1833a: 261, 1833b: 487-488; Mackauer, 1968: 63; Marsh, 1979: 309; Chou, 1981: 315; van Achterberg, 1989: 4. Type species (by monotypy): *Aphidius (Monoctonus) caricis* Haliday, 1833.

### *muricatus* Haliday, 1833

*Ancylus muricatus* Haliday, 1833a: 261.  
*Leiothron (Ancylus) muricatus*; Haliday, 1835a: 460.  
*Allurus muricatus*; Shenefelt, 1969: 7-8.

Type-material.— Lectotype here designated, ♀ NMI, "Box 8 A.W.S./British [British is incorrect, Irish, mounted on Haliday card], Haliday, 20.ii.[18]82", "*Ancylus muricatus* Hal., ♀. Type!, A.W.S., 19.ii.1948"; "*Allurus muricatus* (Haliday), det. S. Shaw, 1984, Holotype [clearly wrong because Haliday indicated he had several specimens] *Ancylus muricatus* Haliday". Paralectotypes: 9 ♀♀ (NMI) from box 8, partly pinned; 2 ♀♀ (NMI) dissected, on card, from box 25 (dissected specimens Haliday usually stored separately). Excluded: 3 ♀♀ (NMI) in box 39, English Walker specimens; 1 ♀ (NMI) from box 15, Haliday specimen.

Valid name.— *Allurus muricatus* (Haliday, 1833) (Euphorinae).

### *naiadum* Haliday, 1839

*Alysia (Chorebus) naiadum* Haliday, 1839: 18; Stelfox (in Griffiths), 1966: 931 (lectotype designation, but no specimen labelled "Type" or "Lectotype" present (lost?) and the only ♀ in NMI is damaged).  
*Chaenusa naiadum*; Shenefelt, 1974: 1032.

Type-material.— Lectotype here designated, ♀ (RMNH), from northern Ireland, mounted on Haliday card, sent by Haliday to Leiden in 1869 (in good condition) "12", "Museum Leiden, *Chorebus naiadum* Hal.". Paralectotypes: 1 ♂ (RMNH); 1 ♀ (damaged) + 9 ♂♂ (NMI) all from box 11 and on Haliday cards. Not examined: 1 specimen (SCT).

Valid name.— *Chaenusa naiadum* (Haliday, 1839) (Alysiinae).

### *Neoneurus* Haliday, 1838

*Neoneurus* Haliday, 1838: 213; Shenefelt, 1969: 139-140; Marsh, 1979a: 281; Shaw, 1992: 27-33 (key); van Achterberg & Argaman, 1993: 64, figs 48-60. Type species (= first species included (by Marshall, 1897)): *Neoneurus halidai* Marshall, 1897 (= *Neoneurus auctus* (Thomson, 1895)).

*Ecclites* Foerster, 1862: 244; Shenefelt, 1969: 139; Shaw, 1992: 27. Type species (by original designation): *Ecclites clypeatus* Foerster, 1862 (= *Neoneurus viennense* (Giraud, 1871). **Syn. nov.**  
*Sixia* Snellen van Vollenhoven, 1867: 226. Type species (by present designation): *Elasmosoma aucta* Thomson, 1895. **Syn. nov.**

***nephele* Haliday, 1838**

*Alysia (Alysia) nephele* Haliday, 1838: 231.  
*Idiasta nephele*; Shenefelt, 1974: 994.

Type-material.— Lectotype here designated, ♀ (NMI), with rose label, "457", on Haliday card, "Box 10 A.W.S./Haliday, 20.ii[18]82", "Hebrides, A.H.H. Before 1838", "*Alysia nephele* Hal., ♀. Type!, A.W.S., 18.i.1934".

Valid name.— *Idiasta nephele* (Haliday, 1838) (Alysiinae).

Note.— A lectotype is designated because Haliday usually indicated when he had only one specimen available, and in this case there is no such indication.

***nereidum* Haliday, 1839**

*Alysia (Chorebus) nereidum* Haliday, 1839b: 18-19.  
*Chaenusa nereidum*; Shenefelt, 1974: 1032-1033.

Type-material.— Lectotype here designated, ♀ (RMNH) "Halid., Ierland", on Haliday card, sent by Haliday to Leiden, "14", "Museum Leiden, *Chorebus nereidum* Hal.". Paralectotypes: 1 ♂ (RMNH), same labels as lectotype; 19 ♀♀ + 3 ♂♂ + 1 specimen too damaged to be sure of its sex (NMI) all from box 11, rather dirty, and mainly from Walker (= English). Excluded: 1 specimen (NMI) because it is on an aberrant card. Not examined: 2 specimens (SCT).

Valid name.— *Chaenusa nereidum* (Haliday, 1839) (Alysiinae).

***nervosa* Haliday, 1839**

*Alysia (Alysia) nervosa* Haliday, 1838: 245 (description without name), 1839b: 26 (named in the erratum).  
*Aspilota nervosa*; Stelfox, 1943: 204 (lectotype designation); Shenefelt, 1974: 976-977.  
*Dinotrema nervosum*; Fischer, 1995: 723 (lectotype listed).  
*Aspilota crassicauda* Thomson, 1895: 2305; Fischer, 1995b: 732.

Type-material.— Lectotype designated by Stelfox (1943), ♀ (NMI), "508", mounted on Haliday card, from Ireland, "Box 10 A.W.S./British [sic!] Haliday, 20.ii[18]82", "*Alysia nervosa* Hal., ♀. Type!, A.W.S., 16.xi.1942, = *crassicauda* Thom.". Paralectotypes: 5 ♀♀ (NMI) from box 10, one dissected on card and with MS name "*grandipennis* Stelfox MS", partly Irish, and partly British. Not examined: 1 specimen (SCT).

Valid name.— *Dinotrema nervosum* (Haliday, 1839) (Alysiinae).

***nervosus* Haliday, 1833**

*Aphidius (Monoctonus) nervosus* Haliday, 1833b: 488.

*Monoctonus nervosus*; Mackauer, 1961: 143 (lectotype designation); van Achterberg, 1989: 13.

*Monoctonus (Monoctonus) nervosus*; Mackauer, 1968: 65 (incorrectly stated to originate from England).

Type-material.— Lectotype designated by Mackauer (1961), ♀ (BMNH), "B.M. Type Hym. 3.c.73". Paralectotype: 1 ♀ (BMNH), 3.c.73. Excluded (provisionally): 2 ♀♀ (NMI), may be specimens, which were collected later, from box 10.

Valid name.— *Monoctonus nervosus* (Haliday, 1833) (Aphidiinae).

***nina* Haliday, 1838**

*Alysia (Alysia) nina* Haliday, 1838: 236.

*Phaenocarpa nina*; Shenefelt, 1974: 1011.

Type-material.— Lectotype here designated, ♀ (NMI), on Haliday card (Irish), "483", "Box 10 A.W.S./British [sic!] Haliday, 20.ii.[18]82", "*Alysia nina* Hal., ♀. Type!, A.W.S., 18.i.1934".

Valid name.— *Phaenocarpa nina* (Haliday, 1838) (Alysiinae).

***nobilis* Haliday, 1834**

*Rogas nobilis* Haliday (in Curtis), 1834: no. 512; Curtis, 1837: 121.

*Rogas (Rogas) nobilis* Haliday, 1836b: 98-99.

*Rogas ductor* var. *nobilis*; Shenefelt, 1975: 1227.

*Aleiodes nobilis*; Papp, 1991: 70 (as synonym of *A. ductor* (Thunberg, 1822)).

*Rogas medianus* Thomson, 1892: 1668; Shenefelt, 1975: 1237. **Syn. nov.**

Type-material.— Both males of the type series (the sex not indicated but this is obvious from the description) from Ireland (near Holywood) and England (Monk's Wood, Mr Dale) could not be traced in NMI or NMV.

Valid name.— *Aleiodes nobilis* (Haliday, 1834) **stat. nov.** (Rogadinae).

*Oenone* Haliday, 1839, see *Trachionus*.

***oleraceus* Haliday, 1833**

*Diospilus oleraceus* Haliday, 1833a: 262; Shenefelt, 1970a: 212.

*Helcon (Diospilus) oleraceus* Haliday, 1835a: 134-135.

Type-material.— Lectotype here designated, ♀ (NMI), lowly pinned, from box 8. Paralectotypes (all from box 8): 6 ♂♂ (NMI), one dissected on card and with "*oleraceus*" in Haliday's handwriting; 3 ♀♀ (NMI), 2 pinned (1 without head) and 1 dissected on card.

Valid name.— *Diospilus oleraceus* Haliday, 1833 (Helconinae).

***Orgilus* Haliday, 1833**

*Orgilus* Haliday, 1833a: 262; Shenefelt, 1970a: 252-253; Marsh, 1979a: 276; van Achterberg, 1987: 55;

- Taeger, 1989: 24-25. Type species (by monotypy): *Microdus obscurator* Nees, 1834.  
*Ischius* Wesmael, 1837: 20; Shenefelt, 1970: 253; van Achterberg, 1987: 55. Type species (by monotypy): *Microdus obscurator* Nees, 1834.  
*Macropalpus* Ratzeburg, 1844: 56; Shenefelt, 1970a: 253; van Achterberg, 1987: 55. Type species (by monotypy): *Eubadizon leptcephalus* Hartig, 1838.  
*Oresimus* Ashmead, 1900: 123; Shenefelt, 1970a: 253; van Achterberg, 1987: 55. Type species (by monotypy): *Eubadizon maculiventris* Cresson, 1872.  
*Orgilomorpha* Ashmead, 1900: 123; Shenefelt, 1970a: 252; van Achterberg, 1987: 55. Type species (by monotypy): *Ganychorus gelechia* Ashmead, 1900.  
*Ischiolus* Hellén, 1958: 34, 36; Shenefelt, 1970a: 252; van Achterberg, 1987: 55-56 (as subgenus of *Orgilus* Haliday). Type species (by monotypy): *Microgaster rugosus* Nees, 1834.  
*Afrorgilus* van Achterberg, 1987: 57-58 (as subgenus of *Orgilus* Haliday). Type species (by original designation): *Orgilus caudatus* Granger, 1949.  
*Anakorgilus* van Achterberg, 1987: 57-58 (as subgenus of *Orgilus* Haliday). Type species (by original designation): *Orgilus tenuis* Muesebeck, 1970.  
*Aporgilus* van Achterberg, 1987: 57-58 (as subgenus of *Orgilus* Haliday). Type species (by original designation): *Orgilus gauldi* van Achterberg, 1987.

***pactus* Haliday, 1836**

- Opius* (*Opius*) *pactus* Haliday, 1836c: 212.  
*Opius* (*Opiognathus*) *pactus*; Fischer, 1972b: 142.

Type-material.— Lectotype here designated, ♀ (NMI), "Box 6 A.W.S./British Haliday, 20.ii.[18]82", "*Opius pactus*, ♀. Type!, Hal., A.W.S., 8.ii.1946". Paralectotype: 1 ♂ (NMI), similarly mounted and obviously collected together with the lectotype (as Haliday indicated he found this species only once).

Valid name.— *Phaedrotoma pacta* (Haliday, 1836) **comb. nov.** (Opiinae).

***paganus* Haliday, 1835**

- Blacus* (*Blacus*) *paganus* Haliday, 1835a: 122; van Achterberg, 1988b: 72 (lectotype designation).

Type-material.— Lectotype designated by van Achterberg (1988), ♀ (NMI), on Haliday card, from box 8, "June 15, 1834" (in Haliday's handwriting), Irish. Paralectotypes: 5 ♀♀ + 4 ♂♂ (NMI), one dissected on card and with "*Bl. paganus*" in Haliday's handwriting. Excluded: 2 ♀♀ (NMI), from box 28, Irish. Not examined: 2 specimens (SCT).

Valid name.— *Blacus* (*Blacus*) *paganus* (Haliday, 1835) (Blacinae).

***pallidiotus* Haliday, 1834**

- Aphidius pallidiotus* Haliday, 1834a: 1031 (near *A. matricariae* Haliday). Nomen nudum.

***pallidus* Haliday, 1833**

- Aphidius* (*Trioxys*) *pallidus* Haliday, 1833b: 489.  
*Trioxys* (*Trioxys*) *pallidus*; Mackauer, 1961: 147 ("Holotypus, ♀").  
*Trioxys pallidus*; Mackauer, 1968: 72-73 (incorrectly stated to originate from England).

Type-material.— Lectotype indirectly designated by Mackauer (1961), according to Art. 94c, ♀ (BMNH), “B.M. Type Hym. 3.c.82”. Excluded: 1 ♀ (NMI), colour somewhat differing from original description.

Valid name.— *Trioxys pallidus* (Haliday, 1833) (Aphidiinae).

Note.— Haliday listed two localities, so the specimen in BMNH has to be considered a lectotype.

### *pallipes* Haliday, 1835

*Blacus* (*Ganychorus*) *pallipes* Haliday, 1835b: 41; van Achterberg, 1988b: 110 (lectotype designation).

Type-material.— Lectotype designated by van Achterberg (1988), ♀ (NMI), no reddish piece of paper (= ?Ireland), on Haliday card, from box 8, “*Ganychorus pallipes* Hal. Type!, ♀, A.W.S., 31.v.1936”. Paralectotypes (mostly on Haliday cards, some with reddish/rose piece of paper, these are from England and collected by Haliday himself?): 5 ♀ ♀ + 1 ♂ (NMI), one dissected on card and with “*Bl. paganus*” in Haliday’s handwriting. Excluded: 2 ♀ ♀ (NMI), from box 28, Irish.

Valid name.— *Blacus* (*Ganychorus*) *pallipes* (Haliday, 1835) (Blacinae).

### *Pambolus* Haliday, 1836

*Pambolus* Haliday, 1836a: 49 (as subgenus of *Rogas* Nees, 1818); Shenefelt, 1975: 1159-1160; Marsh, 1979a: 177; Belokobylskij, 1986b: 22. Type species (by monotypy): *Rogas* (*Pambolus*) *biglumis* Haliday, 1836.

*Araphis* Ruthe, 1854: 346; Shenefelt, 1975: 1159. Type species (by monotypy): *Araphis tricolor* Ruthe, 1854.

*Arrhaphis* Marshall, 1885: 64 (misspelling).

*Arraphis* Ashmead, 1892: 289 (misspelling).

*Arhaphis* Ashmead, 1900: 146 (misspelling).

*Phaenodus* Foerster, 1862: 241; Shenefelt, 1975: 1159-1160. Type species (by original designation): *Phaenodus pallipes* Foerster, 1862.

*Folchinia* Kieffer, 1906: 113; Shenefelt, 1975: 1159. Type species (designated by Viereck, 1914): *Folchinia halterata* Kieffer, 1906.

*Parapambolus* Dahl, 1912: 555; Shenefelt, 1975: 1159. Type species (by monotypy): *Parapambolus rufigaster* Dahl, 1912 (= *Pambolus biglumis* (Haliday, 1836) according to Belokobylskij (1986), but it has vein r of fore wing vertical).

### *pendulus* Haliday, 1836

*Opius* (*Opius*) *pendulus* Haliday, 1836c: 205.

*Opius* (*Pendopius*) *pendulus*; Fischer, 1972b: 414.

Type-material.— Lectotype here designated, ♀ (NMI), “ate” (pet MS-name by Haliday), “Box 6 A.W.S./British [sic!, is Irish] Haliday, 20.ii.[18]82”, “*Opius pendulus* Hal., ♀. Type!, A.W.S., 14.viii.1944”. Paralectotypes: 2 ♀ ♀ + 2 ♂ ♂ (NMI), mainly Walker specimens.

Valid name.— *Opius pendulus* Haliday, 1836 (Opiinae).

***perdita*** Haliday, 1838

*Alysia (Alysia) perdita* Haliday, 1838: 241, 1839a: 519.

*Anisocyrtia perdita*; Shenefelt, 1974: 956; Wharton, 1980: 27 (lectotype); van Achterberg, 1986: 295 (explicit lectotype designation because of confusion about designation by Wharton (1980)).

Type-material.— Lectotype implicitly designated by Wharton (1980) and explicitly by van Achterberg (1986), ♂ (NMI), mounted on Haliday card, "Ebudes insulas", "hero" (yellow label), "Box 10 A.W.S./British Haliday, 20.ii.[18]82", "*Alysia perdita* Hal., ♂. Type!, A.W.S., 1.iii.1934". Excluded: 1 ♀ (NMI), available after original publication.

Valid name.— *Anisocyrtia perdita* (Haliday, 1838) (Alysiinae).

***phoenicura*** Haliday, 1839

*Alysia (Dacnusa) phaenicura* Haliday, 1839b: 6-7 (misspelling); Stelfox (in Griffiths), 1966: 932 (holotype not found; specimen in MNI "presumably taken after publication of the description").

*Alysia (Dacnusa) phoenicura* Haliday, 1839b: 27, 66.

*Aristelix phaenicura*; Shenefelt, 1974: 1030.

Type-material.— Holotype, ♂ (NMI), on Haliday card, "Box 28 A.W.S./Ireland Haliday, 20.ii.[18]82", "*Dacnusa phoenicura* Hal., ♂. Type!, A.W.S., 3.ii.[19]35".

Valid name.— *Aristelix phoenicura* (Haliday, 1839) (Alysiinae).

Note.— The holotype agrees with the original description (it has e.g. 26 antennal segments), therefore I agree with Stelfox's initial conclusion (as demonstrated by the label), and I disagree with his 1966 opinion that the specimen presumably was taken after the publication of the description. He probably based his opinion on the high number of the box in which the specimen was deposited in. However, the specimen is so typical that Haliday obviously displaced this specimen after re-arranging the collection. Another problem is the obvious misspelling of the name; the misspelling is obvious from the paper itself (see its index) and from the meaning of the name. The name "*phaenicura*" has no meaning, but "*phoenicura*" means "red start" in Greek, which is very appropriate.

***picinervis*** Haliday, 1838

*Alysia (Alysia) picinervis* Haliday, 1838: 233.

*Phaenocarpa picinervis*; Shenefelt, 1974: 1012; Wharton, 1980: 27.

Type-material.— Lectotype listed by Wharton (1980), ♀ (NMI), on Haliday card, "7" (green label; Irish), "Box 10 A.W.S./British [sic!] Haliday, 20.ii.[18]82", "*Alysia picinervis* Hal., ♀. Type!, A.W.S., 28.vi.1941". Paralectotypes (Irish and English specimens): 4 ♀♀ + 4 ♂♂ (NMI) from box; 1 ♀ (NMI) from box 3. Excluded: 7 specimens (NMI), from box 25. Not examined: 1 specimen (SCT).

Valid name.— *Phaenocarpa picinervis* (Haliday, 1838) (Alysiinae).

***picipes*** Haliday, 1835

*Helcon (Macrocentrus) picipes* Haliday, 1835c: 140; Shenefelt, 1969: 150.

*Macrocentrus collaris* Spinola, 1808: 140; Shenefelt, 1969: 149-150; van Achterberg, 1993: 37-39.

Type-material.— Holotype, ♂ (NMI), from box 8. Excluded: 2 ♂♂ (NMI) because Haliday had only one male and they fit less well with the original description.

Valid name.— *Macrocentrus collaris* (Spinola, 1808) (Macrocentrinae).

***pictus* Haliday, 1834**

*Aphidius* (*Aphidius*) *pictus* Haliday, 1834a: 95-96.

*Pauesia picta*; Mackauer, 1961: 108 ("Holotypus, ♀"), 1968: 35-36 (lectotype in "Mus. London", but no formal designation; incorrectly stated to originate from England).

Type-material.— Lectotype indirectly designated by Mackauer (1961), according to Art. 94c, ♀ (BMNH), "B.M. Type Hym. 3.c.88".

Valid name.— *Pauesia picta* (Haliday, 1834) (Aphidiinae).

Note.— It is obvious from the original description that Haliday had more than one female.

***pini* Haliday, 1834**

*Aphidius pini* Curtis, 1831: no. 383 (nom. nud.).

*Aphidius* (*Aphidius*) *pini* Haliday, 1834a: 96.

*Pauesia pini*; Mackauer, 1961: 108 (lectotype designation), 1968: 36 (incorrectly stated to originate from England).

Type-material.— Lectotype designated by Mackauer (1961), ♀ (BMNH), "B.M. Type Hym. 3.c.90". Paralectotype: 1 ♀ (BMNH), 3.c.90.

Valid name.— *Pauesia pini* (Haliday, 1834) (Aphidiinae).

***placidus* Haliday, 1834**

*Microgaster placidus* Haliday, 1834b: 251-252.

*Apanteles placidus*; Shenefelt, 1974: 602; Papp, 1976: 239, 1987: 222.

*Microgaster praepotens* Haliday, 1834b: 252. **Syn. nov.**

*Cotesia placida*; Papp, 1988: 154.

Not: *Apanteles praepotens*; Nixon, 1974: 463-464.

Type-material.— Holotype, ♂ (NMV), "In June, G. Wool", in pieces on card.

Valid name.— *Cotesia praepotens* (Haliday, 1834) (Microgastrinae).

Note.— According to Papp (1976) the female (sic!) in the Curtis Collection is in too bad condition to recognize its identity; later he proposed a synonymy with *Apanteles laverna* Nixon, 1974 (= *A. kurdjumovi* Telenga, 1955) (Papp, 1987). The shape of the first metasomal tergite of the holotype is parallel-sided, and about as figured by Wilkinson (1945, fig. 34) for *A. brevicornis* Reinhard, 1880, but coarser sculptured, the second tergite is coarser and more irregularly sculptured, not well defined laterally,



and medially largely smooth, and the propodeum has a medium-sized longitudinal carina. Males are hard to identify in this group (the *A. brevicornis* subgroup of Papp, 1986); nevertheless, it cannot be separated from the lectotype of *M. praepotens* and it is synonymized with it. The suggested synonymy by Papp (1987) is incorrect because of the shape of the first tergite.

***placidus* Haliday, 1836**

*Opius* (*Opius*) *placidus* Haliday, 1836c: 217.

*Biosteres* (*Biosteres*) *placidus*; Fischer, 1972b: 542.

Type-material.—Holotype, ♀ (NMI), “doris” (pet MS-name by Haliday on small red label), “Box 6 A.W.S./British [sic], is Irish, on typical irregular Haliday card] Haliday, 20.ii.[18]82”, “*Opius placidus* Hal., ♀. Type!, A.W.S., 28.iii.1941”.

Valid name.—*Biosteres* (*Biosteres*) *placidus* (Haliday, 1836) (Opiinae).

***podagrica* Haliday, 1839**

*Alysia* (*Coelinus*) *podagrica* Haliday, 1839b: 22.

*Coelinidea podagricus*; Shenefelt, 1974: 1078.

Type-material.— Holotype, ♂ (NMI), on Haliday card, on reverse side “Pt Marnock [= Portmarnock dunes near Dublin], end July”, from box 11, “*podagricus* Hal., ♂. Type!, A.W.S., 26.x.1934”.

Valid name.—*Coelinidea podagrica* (Haliday, 1839) (Alysiinae).

***popularis* Haliday, 1834**

*Microgaster popularis* Haliday, 1834b: 250.

*Apanteles popularis*; Wilkinson, 1945: 105 (neotype designation); Shenefelt, 1972: 605-606; Nixon, 1976: 716-717; Papp, 1984b: 281, 283.

*Protapanteles popularis*; Mason, 1981: 107, 147.

Type-material.— Type (♂) not found in NMI, should be in Hyndman collection (Belfast). Considered to be lost by Wilkinson (1945), who selected a neotype (BMNH, 3.c.1046).

Valid name.—*Cotesia popularis* (Haliday, 1834) **comb. nov.** (Microgastrinae).

***postica* Haliday, 1839**

*Alysia* (*Dacnusa*) *postica* Haliday, 1839b: 11; Shenefelt, 1974: 1050; Stelfox (in Griffiths), 1966: 932.

*Chorebus postica*; Tobias, 1986: 186 (as synonym of *C. gracilis* (Nees)).

*Alysia gracilis* Nees, 1834a: 257 (not *Alysia gracilis* Curtis, 1826).

*Chorebus gracilis*; Shenefelt, 1974: 1049-1050.

Type-material.— Holotype, ♂ (NMI), on numbered (“7”) Walker card, “680” (by Haliday), “Box 10 A.W.S./British Haliday, 20.ii.[18]82”, “*postica* ?, ♂ type?, A.W.S. 17.xii.[19]32”, “*Dacnusa postica* Hal., ♂. Type!, A.W.S., 10.i.1933”.

Valid name.— *Chorebus posticus* (Haliday, 1839) (Alysiinae).

***praepotens* Haliday, 1834**

*Microgaster praepotens* Haliday, 1834b: 252.

*Apanteles memnon* Nixon, 1974: 465; Papp, 1986: 237. **Syn. nov.**

Not: *Apanteles praepotens*; Wilkinson, 1940: 143 ("type in the National Museum of Ireland, Dublin, no. 66"), 1945: 141; Shenefelt, 1972: 606-607 ("lectotype designation by Wilkinson, 1940"!); Nixon, 1974: 463-464.

Not: *Cotesia praepotens*; Papp, 1988: 154.

Type-material.— Lectotype here designated, ♀ (NMI), "410" on Haliday card (Irish), from box 14; scutellum smooth and best fitting the original description. Paralectotype: 1 ♀ (NMI), from box 14, without number and scutellum sparsely punctate. Excluded: 2 Walker specimens (NMI) from box 25 and identified by Haliday as *M. praepotens*; one considered the type by Wilkinson (1940). It has the scutellum rather punctate and it seems to be a later acquired specimen from England and is, therefore, excluded from the type series.

Valid name.— *Cotesia praepotens* (Haliday, 1834) (Microgastrinae).

Note.— The available name for *Cotesia praepotens* auctt. is *Cotesia brachycerus* (Thomson, 1895) **stat. nov.**

***praetextatus* Haliday, 1834**

*Microgaster praetextatus* Haliday, 1834b: 254; Shenefelt, 1972: 441 (as synonym of *M. analis* Nees, 1834).

*Apanteles praetextatus* [sic!]; Papp, 1986: 227 (as synonym of *A. analis* (Nees, 1834)).

*Cotesia praetextata* [sic!]; Papp, 1988: 153 (as synonym of *A. analis* (Nees, 1834)).

*Microgaster analis* Nees, 1834a: 180.

*Apanteles analis*; Shenefelt, 1972: 440-441; Papp, 1986: 227, 241 (neotype designation), 1987: 215.

*Cotesia analis*; Papp, 1988: 153.

Type-material.— Type (♀) not found in NMI or NMV; according to label in Curtis collection a synonym of *M. analis* Nees.

Valid name.— *Cotesia analis* (Nees, 1834) (Microgastrinae).

***Praon* Haliday, 1833**

*Praon* Haliday, 1833a: 261, 1833b: 483 (as subgenus of *Aphidius* Nees, 1818); Mackauer, 1968: 14; Marsh, 1979a: 297; Chou, 1981: 312. Type species (by monotypy): *Bracon exsoletus* Nees, 1812.

*Achoristus* Ratzeburg, 1852: 31 (as subgenus of *Bracon* Fabricius, 1804). Type species (by monotypy):

*Bracon (Achoristus) aphidiiformis* Ratzeburg, 1852 (= ?*Praon flavinode* auctt., not Haliday, 1833)).

*Aphidaria* Provancher, 1886: 151, 152. Type species (by monotypy): *Aphidaria simulans* Provancher, 1886.

***procera* Haliday, 1839**

*Alysia (Coelinus) procera* Haliday, 1839b: 23; Shenefelt, 1974: 1073 (as synonym of *Coelinidea ruficollis* (Herrich-Schäffer, 1838)).

*Coelinus ruficollis* Herrich-Schäffer, 1838: no. 153, fig. 154-22; Shenefelt, 1975: 1073.

Type-material.— Holotype, ♀ (NMI), lowly pinned, British, from box 11, “*procerus* Hal., ♀. Type!, A.W.S., 26.x.1934”.

Valid name.— *Coelinidea ruficollis* (Herrich-Schäffer, 1838) (Alysiinae).

***profligator* Haliday, 1835**

*Perilitus (Meteorus) profligator* Haliday, 1835b: 33.

*Meteorus profligator*; Shenefelt, 1969: 87; Huddleston, 1980: 44 (no types seen).

Type-material.— Lectotype here designated, ♀ (OUM), with 20 antennal segments, “Meteoridae. Det. G.F. Lyle, 1919-25”, “*Perilitus profligator*, Coll. Hope”, “*brevicauda* Th.?”, “*Perilitus (Meteorus) profligator* Haliday, M. de V. Graham, det. 1984, lectotype, ♀”. Paralectotype: 1 ♀ (OUM), with 21 antennal segments. Excluded: 1 ♀ + 1 ♂ (NMV), “22.iv.[18]42, Comb W[ood]”.

Valid name.— *Meteorus profligator* (Haliday, 1835) (Euphorinae).

***puber* Haliday, 1835**

*Helcon (Calyptus) puber* Haliday, 1835c: 130.

*Eubadizon puber*; Shenefelt, 1970a: 244.

*Foersteria puber*; van Achterberg, 1990: 12-13 (lectotype designation).

Type-material.— Lectotype designated by van Achterberg(1990), ♂ (NMI), mounted on rectangular Haliday card, with 31 antennal segments, from box 8. Paralectotype: 1 ♂ (NMI), on triangular card.

Valid name.— *Foersteria puber* (Haliday, 1835) (Helconinae).

Note.— *Eubadizon* (or *Eubazus*) *puber* auctt. is *Eubazus nigricoxis* (Wesmael, 1835).

***pullata* Haliday, 1838**

*Alysia (Alysia) pullata* Haliday, 1838: 232-233.

*Phaenocarpa pullata*; Shenefelt, 1974: 1013.

Type-material.— Lectotype here designated, ♀ (NMI), mounted on unnumbered rectangular card, probably Irish and collected by Haliday, “Box 6 A.W.S./British [sic!] Haliday, 20.ii[18]82”, “*Alysia pullata* Hal., ♀. Type!, A.W.S., 27.viii.1937”.

Valid name.— *Phaenocarpa pullata* (Haliday, 1838) (Alysiinae).

***pulverosa* Haliday, 1839**

*Alysia (Dacnusa) pulverosa* Haliday, 1839b: 12 (as var. b of *A. senilis* Nees, 1814).

*Dacnusa pulverosus*; Shenefelt, 1974: 1097 (“nomen falsum”).

*Dacnusa marsyas* Nixon, 1937: 42.

*Chorebus marsyas*; Shenefelt, 1974: 1055; Griffiths, 1967: 660, 663.

Type-material.— Lectotype here designated, ♂ (NMI), small green label “3”, on Haliday card, “537”, “Box 10 A.W.S./British [sic!] Haliday, 20.ii.[18]82”, “*Dacnusa senilis* (Nees) Hal., ♂, A.W.S. 25.i.[19]33”, “*Dacnusa marsyas* Nix., G. Nixon, det. 1936”, “*Dacnusa pulverosa* Hal., ♂. Lectotype, A.W.S., 1957”, *marsyas* Nix., ♀, A.W.S.”. Paralectotypes: 3 ♂ ♂ (NMI) from box 10.

Valid name.— *Chorebus pulverosus* (Haliday, 1839) (Alysiinae).

Note.— Griffiths (1967 in a note on p. 660) doubts if *A. pulverosa* is an available name. However, Haliday gives a clear description and named the variety "*pulverosa*" after a MS-name of J. Curtis, so it is obvious that *A. pulverosa* Haliday, 1839, is an available name.

***punctigera* Haliday, 1838**

*Alysia (Alysia) punctigera* Haliday, 1838: 231.

*Idiolexis punctigera*; Shenefelt, 1974: 996.

Type-material.— Holotype, ♀ (NMV). Excluded: second specimen in the Curtis Collection (NMV) is a ♀ of the genus *Ephedrus* and not a Haliday specimen.

Valid name.— *Idiolexis punctigera* (Haliday, 1838) (Alysiinae).

***Pygostolus* Haliday, 1833**

*Pygostolus* Haliday, 1833a: 263; Shenefelt, 1969: 122-124; Marsh, 1979a: 268; van Achterberg, 1982: 137-138, 1985b: 353, 1992: 350-357 (revision of Palaearctic species). Type species (by monotypy): *Cryptus sticticus* Fabricius, 1798.

***quaestor* Haliday, 1836**  
(figs 1-13)

*Rogas (Heterospilus) quaestor* Haliday, 1836a: 47-48.

*Heterospilus quaestor*; Shenefelt & Marsh, 1976: 1310.

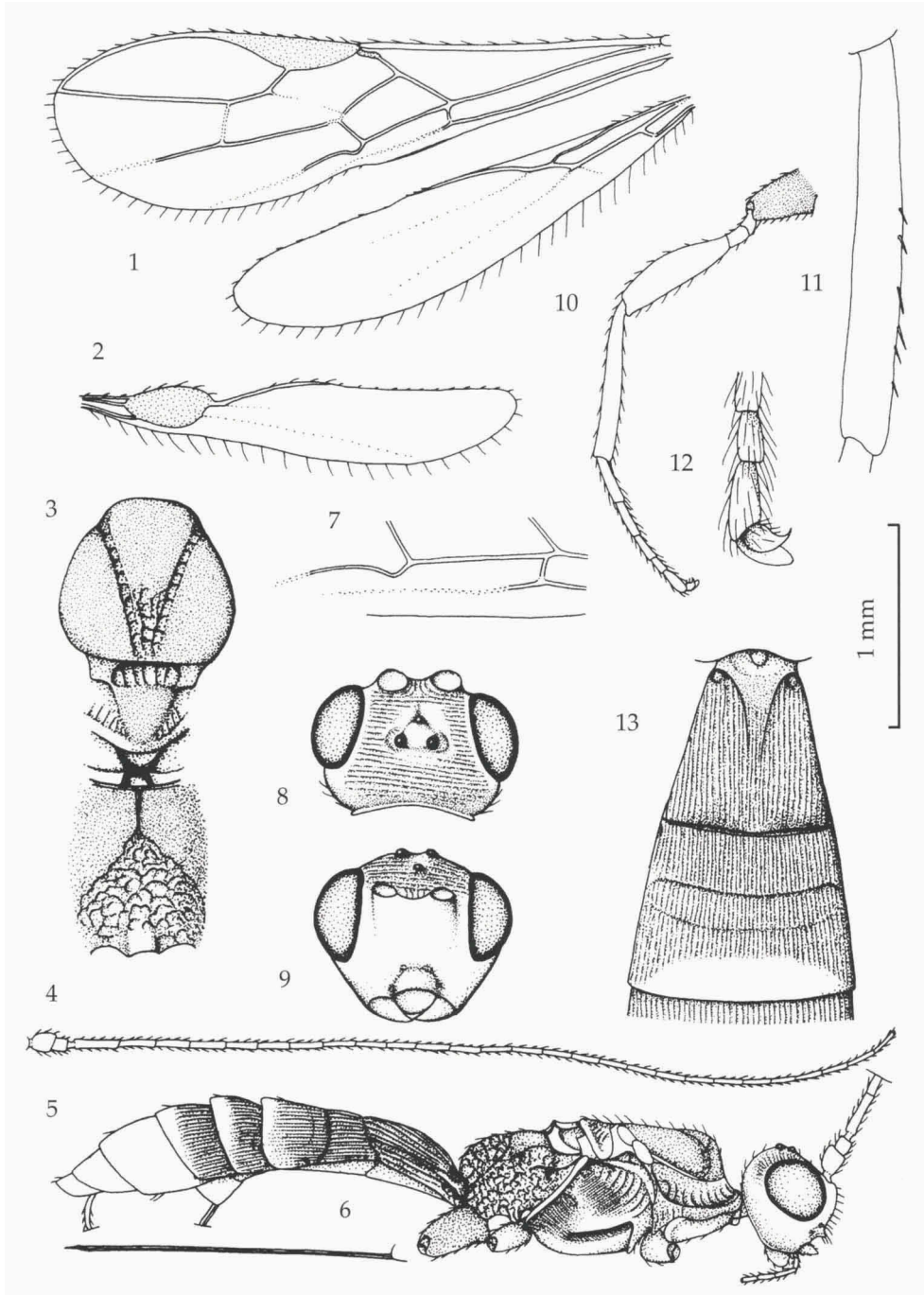
Type-material.— Lectotype here designated, ♀ (NMI), St. Vincent, found in box 73. Paralectotypes: 1 ♀ + 2 ♂♂ (NMI), from box 73, 1 ♂ + 1 ♂ damaged.

Valid name.— *Heterospilus quaestor* (Haliday, 1836).

Redescription.— Length of fore wing of lectotype 3.0 mm, of body 3.7 mm.

Head.— Antennal segments of ♀ incomplete, 29 segments remain), length of third segment 1.3 times fourth segments, and length of third and fourth segments 5.0 and 3.8 times their width, respectively; maxillary palp incomplete, its length slightly less than height of head; occipital carina complete, strong (fig. 8), joining hypostomal carina about 1.5 times basal width of mandible above base of mandible; frons flat, largely weakly transversely aciculate (fig. 8); eyes not emarginate (fig. 9); OOL:diameter of ocellus:POL = 13:5:8; vertex weakly convex, and transversely striate (fig. 8); face smooth, weakly convex; clypeus smooth, nearly flat; ventral margin of clypeus thin and protruding forwards (fig. 5); hypoclypeal depression small (fig. 9); length of eye 2.3 times temple in dorsal view (fig. 8); clypeus distinctly below lower level of eyes (fig. 9); length of malar space 1.7 times basal width of mandible.

Mesosoma.— Length of mesosoma twice its height; sides of pronotum faintly granulate and medially coarsely crenulate (fig. 5); mesosternal suture shallow, finely crenulate; mesosternum smooth and flat; prepectal carina complete, reaching dorsally lower third of pronotum (fig. 5); epicnemial area obliquely crenulate; precoxal sulcus



Figs 1-13, *Heterospilus quaestor* (Haliday), ♀, lectotype, but 2 of paralectotype, ♂. 1, wings; 2, hind wing; 3, mesosoma, dorsal aspect; 4, antenna; 5, habitus, lateral aspect; 6, ovipositor; 7, detail of sub-discal cell of fore wing; 8, head, dorsal aspect; 9, head, frontal aspect; 10, hind leg; 11, fore tibia; 12, outer middle claw; 13, first-third metasomal tergites, dorsal aspect. 1, 2, 4-6, 10: 1.0 × scale-line; 3, 7-9, 13: 1.5 ×; 11: 2.0 ×; 12: 3.8 ×.

present medially, deep, finely aciculate, absent posteriorly (fig. 5); mesopleuron above precoxal area largely finely aciculate; pleural sulcus finely crenulate, acutely protruding ventrally (fig. 5); metapleuron densely rugulose; notauli complete, crenulate (fig. 3); mesoscutal lobes granulate, with oblique carina from notauli to anterior margin (fig. 5); lateral carina of mesoscutum in front of tegulae strong; scutellar sulcus deep, wide, with five carinae (fig. 3); scutellum flat, granulate; side of scutellum rugose; metanotum with smooth semicircular depression medio-posteriorly (fig. 3); propodeum evenly convex, anteriorly smooth, and medially coriaceous, posteriorly with triangular reticulate-rugose area, short median carina anteriorly (fig. 3).

Wings.— Fore wing: 1-SR not angled with 1-M (fig. 1); 1-SR+M nearly straight; cu-a just postfurcal (fig. 1), 1-CU1:2-CU1 = 2:52; r:3-SR:SR1:r-m = 11:16:64:15; 2-SR largely absent (fig. 1); 1-M straight; m-cu slightly diverging from 1-M posteriorly (fig. 1); vein CU1b absent, first subdiscal cell slender (fig. 7); basal half of 3-M sclerotized. Hind wing: marginal cell absent posteriorly; 2-SC+R elongate; m-cu antefurcal (fig. 1); M+CU shorter than 1-M (fig. 1).

Legs.— Tarsal claws setose, simple (fig. 12); hind coxa granulate and with distinct antero-ventral tubercle (fig. 10); length of femur, tibia and basitarsus of hind leg 3.6, 8.2 and 4.7 times their width, respectively; length of inner hind spur 0.2 times hind basitarsus, its outer spur indistinct, similar to surrounding setae; hind tibial comb distinct; fore tibia with some spiny pegs (fig. 11), rather inconspicuous; outer aspect of hind tibia largely glabrous (as male).

Metasoma.— Length of first tergite 1.1 times its apical width, open ventrally, its surface longitudinally coarsely striate (fig. 13), rather concave basally, medially rather convex, its dorsal carina present in basal half of tergite (fig. 13); dorsope deep, rather small (fig. 13); laterope shallow; second and third tergites longitudinally striate, but third tergite smooth posteriorly, and with an obsolete transverse depression, (fig. 13); second metasomal suture deep, crenulate and slightly sinuate; fourth and fifth tergites striate anteriorly and smooth posteriorly (fig. 5); second-fifth tergites with sharp lateral crease (fig. 5); length of ovipositor sheath about 0.5 times fore wing.

Colour.— Brown; antenna (except base), ovipositor sheath and telotarsi dark brown; head, palpi, legs (except fore tarsus and telotarsi), tegulae and pterostigma (pale) brownish-yellow; parastigma and vein brownish; wing membrane subhyaline.

Male.— Similar to female but hind wing with large pterostigma (fig. 2), antenna with 29 segments, and hind femur not inflated.

### *Rhyssalus* Haliday, 1833

*Rhyssalus* Haliday, 1833a: 266, 1836a: 53; Shenefelt, 1975: 1212-1213. Type species (by monotypy): *Rhyssalus clavator* Haliday, 1833.

### *ribis* Haliday, 1834

*Aphidius* (*Aphidius*) *ribis* Haliday, 1834a: 101.

*Aphidius ribis*; Mackauer, 1961: 130 (lectotype designation), 1968: 54 (incorrectly stated to originate from England); Stary, 1973: 43-45.

Type-material.— Lectotype designated by Mackauer (1961), ♀(BMNH), "B.M. Type Hym. 3.c.124". Paralectotype: 1 ♀ (BMNH), 3.c.124 (mounted on same card).

Valid name.— *Aphidius ribis* Haliday, 1834 (Aphidiinae).

*ringens* Haliday, 1839

*Alysia* (*Oenone*) *ringens* Haliday, 1839b: 4; Stelfox (in Griffiths), 1966: 931 (lectotype designated).  
*Symphya ringens*; Shenefelt, 1974: 1111.

Type-material.— Lectotype designated by Stelfox (1966), ♂ (NMI), mounted on rectangular Haliday card (= Irish, "Box 11 A.W.S./British [sic] Haliday, 20.ii.[18]82". Paralectotypes: 2 ♀♀ + 1 specimen without metasoma (NMI). Haliday (1839) listed only females, but this is probably a mistake; only males are available which may be easily mistaken for females.

Valid name.— *Trachionus ringens* (Haliday, 1839) **comb. nov.** (Alysiinae).

*rosae* Haliday, 1834

*Aphidius rosae* Curtis, 1831: no. 383 (nom. nud.).

*Aphidius* (*Aphidius*) *rosae* Haliday, 1834a: 97 (as junior synonym of "*Ichneumon aphidum* De Geer" (= *I. aphidum* Linnaeus, 1758)). Name available because it has been treated as an available name prior to 1961 (Art. 11e of the International Code of Zoological Nomenclature, 1985).

*Aphidius rosae*; Mackauer, 1961: 130 (lectotype designation), 1986: 54 (incorrectly stated to originate from England); Eady, 1969: 170; Stary, 1973: 45-48.

?*Aphidius protaeus* Wesmael, 1835: 75-78; Mackauer, 1967: 116 (compound species and no lectotype designated yet).

Type-material.— Lectotype designated by Mackauer (1961), ♀ (BMNH), "B.M. Type Hym. 3.c.93". Paralectotypes: 1 ♀ + 1 ♂ (BMNH), 3.c.93; 2 ♀♀ + 2 ♂♂ (partly with "*rosa*") and 1 specimen without metasoma (NMI), from box 7, on rectangular Haliday cards and with short pins.

Valid name.— *Aphidius rosae* Haliday, 1834 (Aphidiinae).

Note.— *Ichneumon aphidum* Linnaeus, 1758, considered to be an unrecognizable species by Mackauer (1968), is the type species of the genus *Incubus* Schrank, 1802 (= *Aphidius* Nees, 1818). It seems unjustified to accept Haliday's interpretation (despite he is the first revisor; earlier authors only copied the description by Linnaeus), because the original description of *I. aphidum* (despite its shortness) does not fit *A. rosae*. *I. aphidum* has the body black, with the base of the metasoma, the fore leg, and the hind "knee" yellowish.

*rubripes* Haliday, 1834

*Microgaster rubripes* Haliday, 1834b: 253-254.

*Apanteles rubripes*; Wilkinson, 1945: 68; Shenefelt, 1972: 615-616; Nixon, 1974: 474; Papp, 1986: 231, 1987: 225.

*Cotesia rubripes*; Papp, 1988: 155, 1990: 169-170.

Type-material.— Lectotype here designated, ♀ (NMV), normally pinned. Paralectotype: 1 ♀ (NMV), pinned upside down. Excluded: 1 ♂ (belonging to *M. rubripes*, but Haliday did not list males) + 2 ♀♀ (not *M. rubripes*) (NMV).

Valid name.— *Cotesia rubripes* (Haliday, 1834) (Microgastrinae).

***ruficrus* Haliday, 1834**

*Microgaster ruficrus* Haliday, 1834b: 253.

*Apanteles ruficrus*; Wilkinson, 1932: 309; Shenefelt, 1972: 617-619; Nixon, 1974: 494-495; Papp, 1986: 228, 235, 241 (neotype designation).

*Cotesia ruficrus*; Mason, 1981: 113, 147; Papp, 1988: 155; van Achterberg & Polaszek, 1995b: 64.

Type-material.— Lectotype here designated, ♀ (NMI), on small triangular card, "436", from box 14. Paralectotypes: 2 ♂♂ (NMI), on Haliday cards, one with rose piece of paper (= British, probably collected by Haliday himself); 1 ♂ (NMV) on Haliday card with Curtis' number "1836" on reverse side, with green label (= Irish) and "*ruficrus*" in Haliday's handwriting, head missing.

Valid name.— *Cotesia ruficrus* (Haliday, 1834) (Microgastrinae).

***rufilabris* Haliday, 1833**

*Mirax rufilabris* Haliday, 1833a: 263, 1834b: 230; Shenefelt, 1973a: 678-679.

*Mirax spartii* Haliday, 1835a: 467-468 (nom. nov. for *M. rufilabris*), 1840: 64 (only species included in the genus). Superfluous name.

Type-material.— Holotype (a single badly preserved ♀ specimen according to Haliday (1834)) could not be found and is considered lost. Excluded: 7 ♀♀ (NMI), from box 67, one ♀ with "Joone", "*rufilabris* det. Muesebeck", at least partly are British (rose piece of paper); 2 ♀♀ (NMI) on irregular cards, Irish. Not examined: 1 specimen (SCT).

Valid name.— *Mirax rufilabris* Haliday, 1833 (Miracinae).

***rufinotata* Haliday, 1838**

*Alysia (Alysia) rufinotata* Haliday, 1838: 227.

*Tanycarpa rufinotata*; Shenefelt, 1974: 1027; Wharton, 1980: 73.

Type-material.— Lectotype designated by Wharton (1980), ♀ (NMI), mounted on Haliday card (probably Irish), "23", "Box 6 A.W.S./British Haliday, 20.ii.[18]82", "*Alysia rufinotata* Hal., ♀. Type!, A.W.S., 15.xi.1940". Paralectotypes: 4 ♀♀ + 2 ♂♂ (NMI), from box 6. Excluded: 6 specimens from box 25.

Valid name.— *Tanycarpa rufinotata* (Haliday, 1838) (Alysiinae).

***russatus* Haliday, 1834**

*Microgaster russatus* Haliday, 1834b: 237; Shenefelt, 1973a: 727.

*Hygroplitis russatus*; Shaw, 1992: 284-286 (lectotype listed).

Type-material.— Lectotype here designated, ♂ (BMNH), on Haliday card, "1", "63/53", "*Microgaster russatus* (Ent. Mag.) ♂", "Named by Haliday"; badly damaged, head and anterior half of mesosoma missing. Excluded: 1 ♂ (NMV); not a Haliday specimen.

Valid name.— *Hygroplitis russatus* (Haliday, 1834) (Microgastrinae).



***rusticus* Haliday, 1836**

*Opius (Opius) rusticus* Haliday, 1836c: 218.

*Biosteres (Chilotrichia) rusticus*; Fischer, 1972b: 508.

Type-material.— Lectotype here designated, ♀ (NMI), “manto” (pet MS-name by Haliday), with small red label, on Haliday card with incision to expose head, “Box 6 A.W.S./British [sic, is Irish] Haliday, 20.ii.[18]82”. Paralectotypes: 1 ♀ + 1 ♂ (NMI), on Haliday cards, from box 6. Excluded: 2 ♂♂ + 1 ♀ (NMI) on narrow triangular cards; 2 ♂♂ + 4 ♀♀ (NMI) from box 28.

Valid name.— *Biosteres (Zetetes) rusticus* Haliday, 1836 (Opiinae)

***saevus* Haliday, 1836**

*Opius (Opius) saevus* Haliday, 1836c: 209.

*Opius (Allotypus) saevus*; Fischer, 1972b: 289.

Type-material.— Lectotype here designated, ♀ (NMI), lowly pinned, “Box 6 A.W.S./British Haliday, 20.ii.[18]82”, “*Opius saevus* Hal., ♀. Type!, A.W.S., 10.x.1944”. Paralectotypes: 1 ♀ + 1 ♂ (NMI), ♀ on triangular card, and ♂ pinned.

Valid name.— *Apodesmia saeva* (Haliday, 1836) **comb. nov.** (Opiinae).

Note.— Lectotype has the ovipositor sheath about half as long as metasoma, the first subdiscal cell of fore wing robust, the precoxal sulcus smooth, the hypoclypeal depression present, and the occipital carina distinctly meeting hypostomal carina.

***salicis* Haliday, 1834**

*Aphidius (Aphidius) salicis* Haliday, 1834a: 102.

*Aphidius salicis*; Mackauer, 1961: 131 (lectotype designation), 1968 (incorrectly stated to originate from England); Eady, 1969: 170; Stary, 1973: 48-51.

Type-material.— Lectotype designated by Mackauer (1961), ♀ (BMNH), “B.M. Type Hym. 3.c.102”. Paralectotypes: 2 ♀♀ + 1 ♂ (BMNH), 3.c.102.

Valid name.— *Aphidius salicis* Haliday, 1834 (Aphidiinae).

*secalis* sensu Haliday, 1833 (*Perilitus*), see *P. ceralium*.

***semirugosa* Haliday, 1839**

*Alysia (Dacnusa) semirugosa* Haliday, 1839b: 7; Stelfox (in Griffiths), 1966: 931 (lectotype designation).

*Synelix semirugosa*; Shenefelt, 1974: 1112.

Type-material.— Lectotype designated by Stelfox (1966), ♂ (NMI), on Walker card, indicated “Type” by Stelfox, “Box 10 A.W.S./British Haliday, 20.ii.[18]82”. Paralectotypes: 2 ♀♀ + 1 ♂, and 1 ♂ without head from Haliday (NMI) from box 10.

Valid name.— *Synelix semirugosa* (Haliday, 1839) (Alysiinae).

***semistriatus* Haliday, 1835**

*Helcon (Eubadizon) semistriatus* Haliday, 1835c: 131 (as synonym of *Eubazus pallipes* Nees, 1814); Shenefelt, 1970: 243 (as synonym of *Eubadizon pallipes* (Nees)). Unavailable name according to International Code of Zoological Nomenclature (1985) because it has not been used as valid species before 1962.

*Eubazus pallipes* Nees, 1814: 215.

*Eubadizon pallipes*; Shenefelt, 1970a: 243.

Material.— Nixon (1948) suggested that the type is probably the specimen in NMV from Darent, but this is impossible because the name is unavailable.

Valid name.— *Eubazus pallipes* (Nees, 1814) (Helconinae).

***sodalis* Haliday, 1834**

*Microgaster sodalis* Haliday, 1834b: 246.

*Apanteles sodalis*; Shenefelt, 1972: 632; Papp, 1980: 261, 267, 1988: 149 (as possible synonym of *A. ater* Ratzeburg).

*Microgaster ater* Ratzeburg, 1852: 56 (nomen novum for *M. carbonarius* Ratzeburg, 1848, not Wesmael, 1837). **Syn. nov.**

*Apanteles ater*; Shenefelt, 1972: 449; Nixon, 1976: 707-708; Papp, 1980: 261, 267, 1988: 149.

Type-material.— No type specimens found in NMI and NMV. The description fits perfectly *Apanteles ater* (Ratzeburg, 1852), and it seems justified to follow the suggestion by Papp (1980) that both species are synonyms.

Valid name.— *Apanteles sodalis* (Haliday, 1834) (Microgastrinae).

***sophia* Haliday, 1838**

*Alysia (Alysia) sophia* Haliday, 1838: 225.

*Alysia sophia*; Shenefelt, 1974: 953; Wharton, 1988: 44.

Type-material.— Holotype, ♀ (NMI), on narrow triangular card, pin short, with small green label (= Irish), "10", "471", "Box 6 A.W.S., 10.iv.[19]38/Ireland Haliday, 20.ii.[18]82", "*Alysia sophia* Hal., ♀. Type!, A.W.S., 6.ix.1935".

Valid name.— *Alysia sophia* Haliday, 1838 (Alysiinae).

*spartii* Haliday, 1835 (*Mirax*), see *Mirax rufilabris*.

***spectabilis* Haliday, 1834**

*Microgaster spectabilis* Haliday, 1834b: 236.

*Microplitis spectabilis*; Shenefelt, 1973: 760-761; Papp, 1984: 97, 111.

Type-material.— Lectotype here designated, ♀ (NMI) on Haliday card, Irish, with old label "*spectabilis*" in Haliday's handwriting, "Box 14 A.W.S./British [sic!] Haliday, 20.ii.[18]82", "Type D.S. W[ilkinson]", "*Microplitis spectabilis* Hal., det. D.S. Wilkinson, type". Paralectotypes: 1 ♀ (NMI) from box 14; 1

♀ (NMV) with green label "*spectabilis*" in Haliday's handwriting. Excluded: 2 ♀♀ (from vi.1838) + 4 ♂♂ (NMI); 1 ♀ (NMV) (collected 7.vi.1854). Not examined: 1 specimen (SCT).

Valid name.— *Microplitis spectabilis* (Haliday, 1834) (Microgastrinae).

***speculator* Haliday, 1835**

*Helcon* (*Diospilus*) *speculator* Haliday, 1835c: 135; Shenefelt, 1970a: 219 (as synonym of *Ichneumon hiator* Thunberg, 1822).

*Ichneumon hiator* Thunberg, 1822: 271.

*Taphaeus hiator*; Shenefelt, 1970a: 219.

Type-material.— Holotype, ♀ (NMI), no labels, lowly pinned, from box 8.

Valid name.— *Taphaeus hiator* (Thunberg, 1822) (Blacinae).

***speculum* Haliday, 1838**

*Alysia* (*Alysia*) *speculum* Haliday, 1838: 241.

*Prosapha speculum*; Shenefelt, 1974: 1018.

*Dinotrema speculum*; van Achterberg, 1988a: 34 (lectotype designation).

Type-material.— Lectotype designated by van Achterberg (1988a), ♀ (NMI), mounted on Haliday card (= Irish), "Box 10 A.W.S./British [sic!] Haliday, 20.ii.[18]82", "*speculum*, ? A.W.S., 26.xii.1934". Paralectotype: 1 ♀ (NMI) from box 10, on Walker card, with number "10". Excluded: 8 ♂♂ (NMI) from boxes 15, 18, and 28 (one with "type" label by Stelfox, but specimens from these later boxes may have been collected after publication).

Valid name.— *Dinotrema speculum* (Haliday, 1838) (Alysiinae).

***spinolae* Haliday, 1834**

*Microgaster spinolae* Haliday, 1834b: 238-239 (not *Microgaster spinolae* Nees, 1834, which has priority); Shenefelt, 1973: 701.

*Microgaster meridianus* Haliday, 1834b: 239 (not auctt.). **Syn. nov.**

*Microgaster alexis* Curtis, 1837: 116 (as synonym of *M. spinolae* Haliday).

Type-material.— Lectotype here designated, ♂ (NMI), with old label "*spinolae*" in Haliday's handwriting, lowly pinned and part of head missing. Excluded: 1 ♀ + 1 ♂ (NMI) disagree with description (colour of palpi and hind leg); 3 specimens (NMV) with "*alexis* Hal.", all collected after 1834 by Curtis and with dark palpi. Not examined: 2 specimens under "*alexis*" (SCT).

Valid name.— *Microgaster meridiana* Haliday, 1834 (Microgastrinae).

***spretus* Haliday, 1836**

*Opius* (*Opius*) *spretus* Haliday, 1836c: 207.

*Opius* (*Opiothorax*) *spretus*; Fischer, 1972b: 469.

*Opius singularis* Wesmael, 1835: 133. **Syn. nov.**

Type-material.— Lectotype here designated, ♀ (NMI), on triangular card, with small red label “dia”, “Box 6 A.W.S./British Haliday, 20.ii.[18]82”, “*Opius spretus* Hal., ♀. Type!, A.W.S., 20.iii.1941”. Paralectotypes: 3 ♀ ♀ (NMI), 2 on triangular card (1 with “scio”), and 1 on rectangular card.

Valid name.— *Opius singularis* (Wesmael, 1835) (Opiinae).

***stramineipes* Haliday, 1839**

*Alysia* (*Dacnusa*) *stramineipes* Haliday, 1839b: 16; Stelfox (in Griffiths), 1966: 931 (lectotype designation).

*Dacnusa stramineipes*; Shenefelt, 1974: 1098.

Type-material.— Lectotype designated by Stelfox (1966), ♀ (NMI), on Haliday card, “709”, “Box 10 A.W.S./Haliday, 20.ii.[18]82”, “*Dacnusa stramineipes* Hal., ♀. Type, A.W.S., 1932”. Paralectotype: 1 ♀ (NMI) on Haliday card, from box 10.

Valid name.— *Dacnusa stramineipes* (Haliday, 1839) (Alysiinae).

***striatula* Haliday, 1839**

*Alysia* (*Dacnusa*) *striatula* Haliday, 1839: 7-8; Stelfox (in Griffiths), 1966: 931 (lectotype designation).

*Laotris striatula*; Shenefelt, 1974: 1106.

Type-material.— Lectotype designated by Stelfox (1966), ♂ (NMI), from Ireland, mounted on Haliday card, “717”, “Box 10 A.W.S./Haliday, 20.ii.[18]82”, “*Dacnusa striatula* Hal., ♂. Type, A.W.S., 20.ix.1932”. Paralectotypes: 5 ♂ ♂ (NMI), on Haliday cards, Irish. Excluded: 1 ♀ mounted on Walker card and 1 ♀ mounted on Haliday card (NMI) which are not types since Haliday had only males; 1 ♂ (NMI) from box 28.

Valid name.— *Laotris striatula* (Haliday, 1839) (Alysiinae).

***strictus* Stelfox, 1941**

*Blacus* (*Ganychorus*) *strictus* Stelfox, 1941: 121-124; van Achterberg, 1988b: 121.

Type-material.— Holotype, ♀ (NMI), on Haliday card, on reverse side “20.viii.[18]39”, and with small green label by Haliday “*strictus*” [= Irish], “Box 28, A.W.S./Ireland, Haliday, 20.ii.[18]82”, “Clifden”, “Hwd, Co. Do., A.H.H., 20.viii.1839, *Ganychorus strictus* ♀. Type!, Hal. MS. Stelfox 1940”. Paratype: 1 ♀ (NMI), from box 9.

Valid name.— *Blacus* (*Ganychorus*) *strictus* Stelfox, 1941 (Blacinae).

***subfasciatus* Haliday, 1833**

*Adelius subfasciatus* Haliday, 1833a: 262

*Acaelius subfasciatus*; Haliday, 1834b: 232.

Type-material.— Lectotype here designated, ♀ (NMI), from box 25, on Haliday card. Paralectotypes: 2 ♂ ♂ (NMI) from boxes 7 and 14; 1 ♀ (♂) (NMI) dissected on card from box 7; 4 ♂ ♂ (NMI) from box

25. The specimens from a high numbered box are included, because they probably belong to one series and in box 7 no complete ♀ is present. Not examined: 1 specimen (SCT).

Valid name.— *Adelius subfasciatus* Haliday, 1833 (Adeliinae).

***sylvaticus* Haliday, 1836**

*Opius (Opius) sylvaticus* Haliday, 1836c: 219.

*Biosteres (Chilotrichia) sylvaticus*; Fischer, 1972b: 519.

Type-material.— Lectotype here designated, ♀ (NMI), "511" (printed), "Box 6 A.W.S./British [but probably Irish] Haliday, 20.ii.[18]82", "*Opius sylvaticus* Hal., ♀. Type!, A.W.S. 15.i.1948". Paralectotypes: 1 ♀ (on Haliday card) + 1 ♂ (on Walker card, British) (NMI), from box 6. Excluded: 1 ♀ (NMI) "*sylvaticus* ♀, cf. Hal. diary 12.viii.1837, A.W.S., 1948"; 1 ♂ (NMV) with green Haliday label "*sylvaticus*", not a type because Haliday had no males from Ireland (only one from Walker (England)). Other 4 specimens (NMV) are misidentified specimens.

Valid name.— *Biosteres (Zetetes) sylvaticus* Haliday, 1836 (Opiinae).

***sylvia* Haliday, 1839**

*Alysia (Alysia) sylvia* Haliday, 1839b: 25.

*Dapsilarthra sylvia*; Shenefelt, 1974: 990-991; van Achterberg, 1983b: 12.

*Dapsilarthra carpathica* van Achterberg, 1983b: 12-13. **Syn. nov.**

Type-material.— Lectotype here designated, ♀ (NMV), on Haliday card, "Box 10 A.W.S./Ireland, Haliday, Haliday, 20.ii.[18]82", "*Alysia sylvia* Hal. Type!, ♀, A.W.S., 1.iii.1934". Paralectotypes: 1 ♀ + 2 ♂♂ (NMI) from box 10. Excluded: 1 specimen (NMI) from box 67.

Valid name.— *Dapsilarthra sylvia* (Haliday, 1839) (Alysiinae).

Note.— When I described *D. carpathica* my (incorrect) interpretation of *D. sylvia* (Haliday) was based on the redescription by Königsman (1959), who only has seen material identified by Stelfox, but not the types series of Haliday.

***tabidus* Haliday, 1836**

*Rogas (Doryctes) tabidus* Haliday, 1836a: 47.

*Doryctes tabidus*; Shenefelt & Marsh, 1976: 1293 (as synonym of *Bracon striatellus* Nees, 1834).

?*Ichneumon mutillator* Thunberg, 1822: 261.

Type-material.— Lectotype here designated, ♂ (NMI), "*Doryctes tabidus* Hal.?, ♂. Type!, 29 seg. ant., A.W.S., 18.iii.1936". Excluded: 1 ♀ (NMV) collected 23.vii.1850 and a *Meteorus* species!

Valid name.— Small male of *Doryctes ?mutillator* (Thunberg, 1822) (Doryctinae).

***tacitus* Haliday, 1836**

*Opius (Opius) tacitus* Haliday, 1836c: 207; Fischer, 1972b: 575.

Type-material.— Lectotype here designated, ♂ (NMI), on Walker card with number "215", "Box 6 A.W.S./British Haliday, 20.ii.[18]82", "♂ *spretus* ?, A.W.S. 1944", "*Opius tacitus* Hal., ♂. Type!, M.W.R. de V.G., 12.viii.[19]54". Excluded: 2 ♂♂ (NMI), disagree with description.

Valid name.— *Phaedrotoma tacita* (Haliday, 1836) **comb. nov.** (Opiinae).

***talaris* Haliday, 1839**

*Alysia* (*Dacnusa*) *talaris* Haliday, 1839b: 8-9; Stelfox (in Griffiths), 1966: 931 (lectotype designation).  
*Chorebus talaris*; Shenefelt, 1974: 1067.

Type-material.— Lectotype designated by Stelfox (1966), ♀ (NMI), mounted on Haliday card, "544", "Box 10 A.W.S./British [incorrect, from Ireland!] Haliday, 20.ii.[18]82", "*talaris* , ♀. Type, A.W.S., 17.xii.[19]32". Paralectotypes: 10 ♂♂ (one with smooth second tergite, is a var. of Haliday) + 4 ♀♀ (NMI), all from box 10 and Irish. Not examined: 1 specimen (SCT).

Valid name.— *Chorebus talaris* (Haliday, 1839) (Alysiinae).

***temula* Haliday, 1839**

*Alysia* (*Dacnusa*) *temula* Haliday, 1839b: 14; Stelfox (in Griffiths), 1966: 931 (lectotype designation).  
*Dacnusa temula*; Shenefelt, 1974: 1099.

Type-material.— Lectotype designated by Stelfox (1966), ♂ (NMI), with small green label (= Irish), on Haliday card, "557", "Box 10 A.W.S./British [incorrect!] Haliday, 20.ii.[18]82", "*Dacnusa temula* Hal., ♂. Type, A.W.S., 19.ii.[19]33". Paralectotypes: 5 ♂♂ (NMI), all from box 10, partly Irish and partly British. Excluded: 3 specimens (NMI) from boxes 28, 69 and 75.

Valid name.— *Dacnusa temula* (Haliday, 1839) (Alysiinae).

***tibialis* Haliday, 1835**

*Helcon* (*Calyptus*) *tibialis* Haliday, 1835c: 130.  
*Eubadizon tibialis*; Shenefelt, 1970a: 249.

Type-material.— Lectotype here designated, ♂ (NMI) on Haliday card, dissected and most of head missing, from box 8.

Valid name.— *Eubazus tibialis* (Haliday, 1835) **comb. nov.** (Helconinae).

***Toxares* Haliday, 1840**

*Trionyx* Haliday, 1833a: 261, 1833b: 487 (not *Trionyx* Geoffroy, 1809). Type species (by monotypy):  
*Aphidius* (*Trionyx*) *deltiger* Haliday, 1833.

*Toxares* Haliday, 1840: 65 (nomen novum for *Trionyx* Haliday, 1833); Mackauer, 1968: 13; Marsh, 1979b: 297; Chou, 1981: 312. Type species (by implication): *Aphidius* (*Trionyx*) *deltiger* Haliday, 1833.

*Teronyx* Haldeman, 1842: 191 (nomen novum for *Trionyx* Haliday, 1833). Type species (by implication): *Aphidius* (*Trionyx*) *deltiger* Haliday, 1833.

*Trachionus* Haliday, 1833

*Trachionus* Haliday, 1833a: 265; Dalla Torre, 1898: 198 (as synonym of *Chelonus* Panzer, 1806, *Chelonus mandibularis* attributed to Haliday, and this undescribed species was synonymized (p. 204) with *Chelonus maculator* (Dahlbom, 1832)); Shenefelt, 1973: 839 (id.); Marsh, 1979a: 231 (id.). Type species (by original designation): "*Chelonus mandibularis*" (= *Sigalphus mandibularis* Nees, 1816).

*Aenone* Haliday, 1833a: 267 (nom. nud.; not *Aenone* Lamarck, 1818), 1838: 214; Shenefelt, 1974: 1109. **Syn. nov.**

*Aenone* Curtis, 1837: 123 (not *Aenone* Lamarck, 1818). Type species (by present designation): *Sigalphus mandibularis* Nees, 1816. **Syn. nov.**

*Oenone* Haliday, 1839: 3 (not *Oenone* Lamarck, 1818); Shenefelt, 1974: 1109. Type species (designated by Haliday, 1840): *Sigalphus mandibularis* Nees, 1816. **Syn. nov.**

*Symphya* Foerster, 1862: 273; Shenefelt, 1974: 1109-1111; Marsh, 1979a: 217. Type species (by original designation): *Sigalphus mandibularis* Nees, 1816. **Syn. nov.**

*Anarmus* Ruthe (in Brischke), 1882: 138; Shenefelt, 1974: 1109. Type species (by present designation): *Sigalphus mandibularis* Nees, 1816. **Syn. nov.**

The interpretation of the genus *Trachionus* has always been problematical, not the least the synonymy with the genus *Chelonus* by Dalla Torre (1898). It is contradicted by the clear original diagnosis by Haliday (1833): "Areolae cubitales 2; mandibulae hiantes 4-dentes". If the diagnosis of the genus is combined with the diagnosis of the group ("Abdominis segmenta coalita postica retracta. *Chelonus*) then it is clear that it can only apply to the tribe Alysiinae-Dacnusiini (because of the exodont mandibles) and to the genus *Aenone* Curtis, 1837 (because of the Chelonine like metasoma), a junior homonym and therefore unavailable. It remains to clarify how this could happen to Haliday, who was a meticulous worker. Most likely he had split his series of *Sigalphus mandibularis* Nees and related species into two: one part under "*Chelonus*" (because of the aberrant metasoma) for which he coined the name *Trachionus*. He correctly identified it as a described species (because he did not add ", ined.", as he did for other undescribed species), but unfortunately the author (viz. Nees) was not added, probably inadvertently during type setting. As noted by the editor (p. 276) the author was not consulted when the MS was altered, so Haliday was not able to correct any mistake or omission. The second part of the series had the metasoma less Chelonine-like (probably with fourth segment rather protruding as frequently happens in males), he coined the MS-name *Aenone* for it and associated it correctly with his *Alysia*-group (Haliday, 1833). When he revised in 1839 the Irish species of the genus he (ashamed of his mistake?) did not mention the name *Trachionus*, but instead followed Curtis (1837). He re-used the name for his "Sectio II.— *Trachioni*", which includes only the Alysine *Trachyusa aurora* (Haliday, 1838); his new diagnosis and the characters of this species completely disagree with the original diagnosis of the genus *Trachionus*. The suggestion by Dr R.A. Wharton (in litt.) that *Trachionus* might as well be *Schizoprymnus* Foerster, 1862 (Helconinae: Triaspidini) because of the presence of an occipital carina is probably incorrect. It is totally contradicted by the remaining part of the diagnosis and Haliday had no *Schizoprymnus* in his collection in 1833, as far as can be concluded from later publications and from the remnants of his collection. The supposed presence of the occipital carina may be a misinterpretation by Haliday of setae glued to the back of the head.

*Triaspis* Haliday, 1835

*Triaspis* Haliday, 1835c: 124 (as subgenus of *Helcon* Nees, 1814); Shenefelt, 1970a: 281-282; Marsh, 1979a: 272. Type species (designated by Viereck, 1912): *Sigalphus caudatus* Nees, 1816.  
*Muiiriella* Fullaway, 1919: 47; Shenefelt, 1970a: 282. Type species (by original designation): *Muiiriella concisa* Fullaway, 1919.

*tricolor* Haliday, 1836  
(figs 14-21)

*Rogas (Rogas) tricolor* Haliday, 1836b: 98.

*Rogas tricolor*; Shenefelt, 1975: 1254.

Type-material.— Holotype, ♀ (NMI), Australia, found in box 9, obviously received via Walker.

Valid name.— *Aleiodes tricolor* (Haliday, 1836) **comb. nov.**

Redescription.— Length of fore wing of holotype 6.7 mm, of body 6.9 mm.

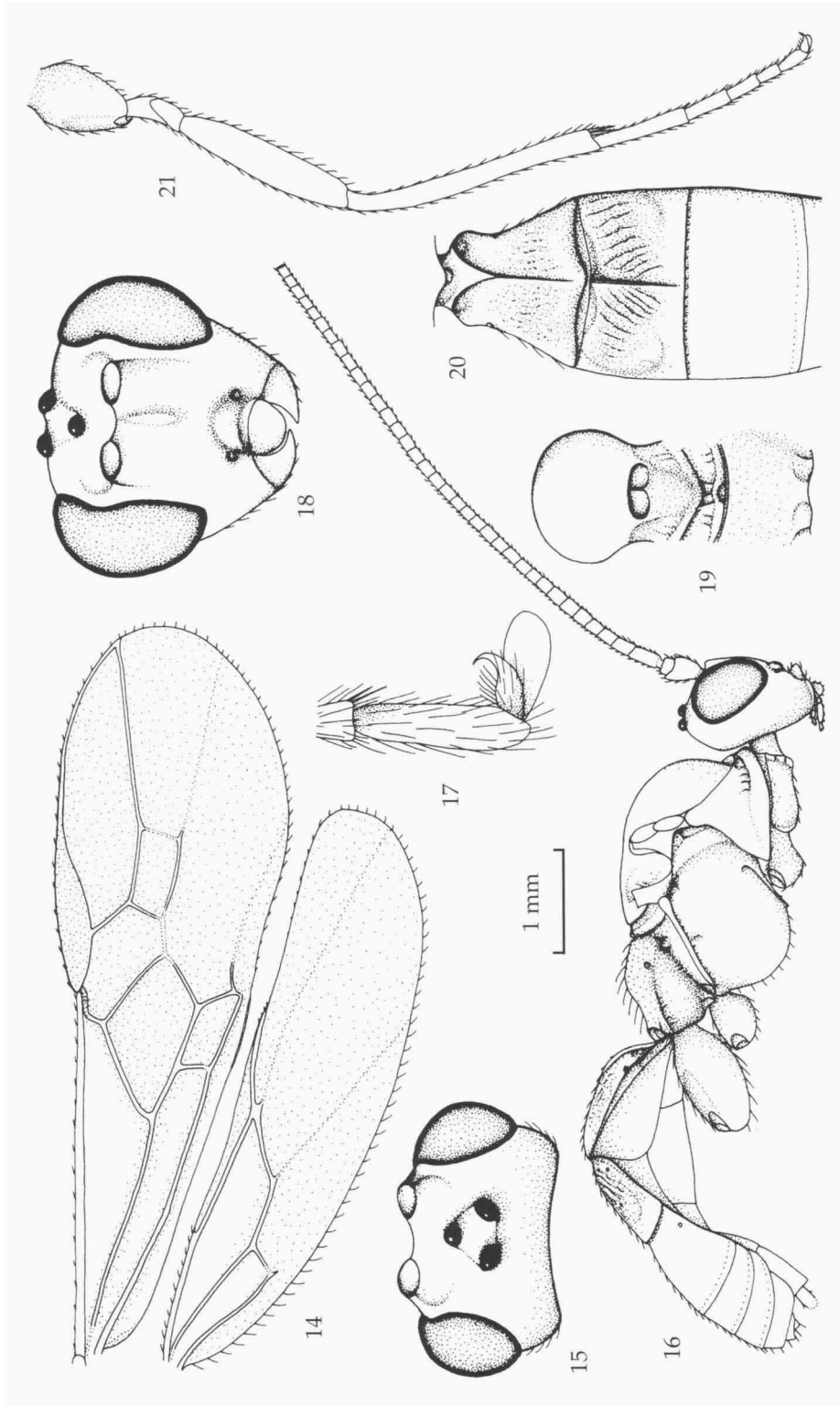
Head.— Antennal segments of ♀ about 66 (according to original description, only 37 segments remain), length of third segment 1.7 times fourth segments, and length of third and fourth segments 1.9 and 1.1 times their width, respectively; maxillary palp incomplete, third segment only slightly inflated; occipital carina completely absent (fig. 16); frons smooth, glabrous and slightly concave (fig. 15); eyes distinctly emarginate (fig. 18); OOL twice diameter of posterior ocellus, and smooth (fig. 15); vertex flat, smooth; clypeus smooth, distinctly convex, but towards ventral margin depressed; ventral margin of clypeus thick and not protruding forwards; width of hypoclypeal depression 0.3 times minimum width of face (fig. 18); length of eye 2.6 times temple in dorsal view (fig. 15); clypeus distinctly below lower level of eyes (fig. 18); length of malar space 1.4 times basal width of mandible, and 0.3 times length of eye in lateral view (fig. 16).

Mesosoma.— Length of mesosoma 1.5 times its height; pronotum with depressed smooth triangular area dorso-posteriorly; mesoscutal lobes smooth, shiny; lateral carina of mesoscutum in front of tegulae absent; mesosternal suture obsolescent, smooth; prepectal carina complete, rather weak; precoxal area of mesopleuron smooth; mesopleuron above precoxal area smooth; notauli completely absent; scutellar sulcus deep, with one carina (fig. 19); scutellum flat, finely punctate; side of scutellum with few crenulae; metanotum with smooth semicircular depression medio-posteriorly (fig. 19); propodeum evenly convex, sparsely punctate, no median carina or tubercles, rather long setose (figs 16, 19).

Wings.— Fore wing: 1-SR distinctly angled with 1-M (fig. 14); 1-SR+M nearly straight; cu-a far postfurcal (fig. 14), 1-CU1:2-CU1 = 12:13; r:3-SR:SR1 = 19:31:76; 1-CU1 horizontal; 2-SR:3-SR:r-m = 14:31:16; second submarginal cell comparatively long (fig. 14); cu-a oblique, but less than 3-CU1 (fig. 14); 1-M mainly straight, only posteriorly somewhat bent (fig. 14); vein CU1b very short (fig. 14). Hind wing: marginal cell basally slightly and distally strongly widened, its apical width 3.7 times width at level of hamuli (fig. 14); 2-SC+R subquadrate; m-cu absent; M+CU 1.9 times 1-M.

Legs.— Tarsal claws only with setae (fig. 17); hind coxa smooth; hind trochantellus robust (fig. 21); length of femur, tibia and basitarsus of hind leg 4.7, 11.7 and 7.0





Figs 14-21, *Aleiodes tricolor* (Haliday), ♀, holotype. 14, wings; 15, head, dorsal aspect; 16, habitus, dorsal aspect; 17, head, dorsal aspect; 18, head, frontal aspect; 19, mesosoma, dorsal aspect; 20, first-third metasomal tergites, dorsal aspect; 21, hind leg. 14, 16, 19-21: 1.0 × scale-line; 15, 18: 2.0 ×; 17: 5.0 ×.

times their width, respectively; length of inner hind spur 0.3 times hind basitarsus; hind tibial comb indistinct, brownish.

**Metasoma.**— Length of first tergite 0.8 times its apical width, with pair of flangs below dorsope, its surface sparsely punctate, with few short rugae (fig. 20), weakly concave basally, medially evenly convex, its dorsal carina complete, enclosing a slender basal triangle (fig. 20); second tergite depressed antero-laterally, with some coarse oblique rugae and sparsely finely punctate, its median carina strong and nearly complete, and no distinct medio-basal area (fig. 20); second metasomal suture deep and finely crenulate; third and following tergites smooth; second-fourth tergites with sharp lateral crease (fig. 16); length of ovipositor sheath 0.03 times fore wing, sparsely setose.

**Colour.**— Yellowish-brown; first tergite laterally and posteriorly, second tergite (except basal patch), basal half of metasoma ventrally (except pair of patches below second tergite), and posterior margins of third-sixth tergites posteriorly, ivory; antenna, stemmaticum, legs (except fore coxa and trochanter), propodeum, metapleuron (except anteriorly), and remainder of metasoma black(ish); pterostigma and veins (except blackish vein C+SC+R) brown; wing membrane (except largely basally) infusate.

**Note.**— A highly aberrant species, but it should remain in *Aleiodes*, because separation from the genus *Aleiodes* Wesmael, 1838, would most likely make the latter paraphyletic.

*Trionyx* Haliday, 1833, see *Toxares* Haliday, 1840.

### *Trioxys* Haliday, 1833

*Trioxys* Haliday, 1833a: 261, 1833b: 488-489 (as subgenus of *Aphidius* Nees, 1818); Mackauer, 1968: 67-68; Marsh, 1979b: 310; Chou, 1981: 315-316. Type species (by monotypy): *Aphidius (Trioxys) cirsii* Curtis, 1831.

*Nevropenes* Provancher, 1886: 153. Type species (by monotypy): *Nevropenes ovalis* Provancher, 1886 (species dubium).

*Bioxys* Stary & Schlinger, 1967: 32. Type species (by original designation): *Bioxys japonicus* Stary & Schlinger, 1967 (not *Trioxys japonicus* Takada, 1966; = *T. staryi* Mackauer, 1968).

### *tripudians* Haliday, 1835

*Blacus (Ganychorus) tripudians* Haliday, 1835b: 41-42; van Achterberg, 1988b: 123 (lectotype designation).

**Type-material.**— Lectotype designated by van Achterberg (1988b), ♀ (NMI), on irregular Haliday card, from box 8, "*tripudians* Hal., ♀, A.W.S., 1.vi.1936". Paralectotypes: 1 ♀ (NMI) from box 9; 1 ♂ (NMI) from box 8, with Haliday's label "*tripudians*"; 1 ♀ (DEI), "94 Haliday ♀" in Ratzeburg's handwriting.

**Valid name.**— *Blacus (Ganychorus) tripudians* (Haliday, 1835) (Blacinae).

### *trivialis* Haliday, 1835

*Blacus (Blacus) trivialis* Haliday, 1835c: 122-123; van Achterberg, 1988b: 66 (as synonym of *B. (B.) humilis* Nees, 1812).

Type-material.— Lectotype here designated, ♀ (NMI), on rectangular Haliday card, from box 8. Paralectotypes: 3 ♀♀ (2 on one card) + 2 ♂♂ (NMI) from box 8, on Haliday cards. Excluded: 3 ♀♀ (NMI) from box 28.

Valid name.— *Blacus (Blacus) humilis* (Nees, 1812) (Blacinae).

***uliginosa* Haliday, 1839**

*Alysia (Dacnusa) uliginosa* Haliday, 1839b: 17; Stelfox (in Griffiths), 1966: 931 (lectotype designation).  
*Chorebus uliginosus*; Shenefelt, 1974: 1069.

Type-material.— Lectotype here designated, ♀ (RMNH) with 24 antennal segments, in good condition, mounted on Haliday card, "19", "Halid., Ierland". Paralectotypes: 3 ♀♀ + 1 ♂ (NMI) on one card; 6 ♂♂ + 7 ♀♀ (1 ♀ dissected) (NMI); 2 ♀♀ (NMI) with sculptured second tergite ("variat" of Haliday), all from box 11.

Valid name.— *Chorebus uliginosus* (Haliday, 1839) (Alysiinae).

Note.— The type (♂, NMI) selected by Stelfox is not accepted as being a type because it has 25 (instead of 24 antennal segments as reported by Haliday), and the second tergite is somewhat sculptured (= the "variat" of Haliday); in addition its condition is moderate and it is better for the recognition of the species to select a female.

***umbellatarum* Haliday, 1834**

*Microgaster umbellatarum* Haliday, 1834b: 247-248; Shenefelt, 1972: 472 (as synonym of *Apanteles circumscriptus* (Nees, 1834).

*Pholetesor umbellatarum*; Papp, 1988: 148.

*Microgaster bicolor* Nees, 1834a: 181. **Syn. nov.**

Type-material.— Lectotype here designated, ♀ (NMI), on Haliday card (= Irish), from box 14. Paralectotype: 1 ♀ (NMI), lowly pinned, "441", from box 14. Provisionally excluded: 1 ♀ (NMI) on a Walker card, with old label "*umbellatarum*" in Haliday's handwriting. The latter specimen was considered to be a type by Wilkinson (1938), but it was probably received after the publication of the original description; it is conspecific with the lectotype.

Valid name.— *Apanteles bicolor* (Nees, 1834) (Microgastrinae).

***umbratilis* Haliday, 1836**

*Clinocentrus umbratilis* Haliday, 1833a: 266.

*Rogas (Clinocentrus) umbratilis* Haliday, 1836b: 95.

*Clinocentrus umbratilis*; Shenefelt, 1975: 1192; Belokobylskij, 1995: 808-810.

Type-material.— Holotype, ♀ (NMI), no labels, Irish, from box 9.

Valid name.— *Clinocentrus umbratilis* Haliday, 1836 (Rogadinae).

***urticae* Haliday, 1834**

*Aphidius (Aphidius) urticae* Haliday, 1834a: 100.

*Aphidius urticae*; Mackauer, 1961: 134-135 ("Holotypus, ♀"), 1968: 57 (lectotype in "Mus. London", but no formal designation; incorrectly stated to originate from England); Eady, 1969: 170; Stary, 1973: 64-69.

Type-material.— Lectotype indirectly designated by Mackauer (1961), according to Art. 94c, ♀ (BMNH), "B.M. Type Hym. 3.c.91".

Valid name.— *Aphidius urticae* Haliday, 1834 (Aphidiinae).

***validus* Haliday, 1833**

*Aphidius (Ephedrus) validus* Haliday, 1833b: 485-486.

*Ephedrus validus*; Mackauer, 1961: 99 ("Holotypus, ♀"), 1968: 8 (lectotype in "Mus. London", but no formal designation; incorrectly stated to originate from England).

*Ephedrus (Lysephedrus) validus*; Gärdenfors, 1986: 41.

Type-material.— Lectotype indirectly designated by Mackauer (1961), according to Art. 94c, ♀ (BMNH), "B.M. Type Hym. 3.c.70". Paralectotypes: 1 ♀ (NMI), "Box 10 A.W.S./British [sic!], Haliday, 20.ii.[18]82", mounted on Haliday card, Irish; 1 ♀ (NMI), mounted on Haliday card, from box 2. Excluded: 5 specimens (NMI) from Walker (= English).

Valid name.— *Ephedrus (Lysephedrus) validus* Haliday, 1833 (Aphidiinae).

***venusta* Haliday, 1838**

*Alysia (Alysia) venusta* Haliday, 1838: 242.

*Prosapha venusta*; Shenefelt, 1974: 1018 (as synonym of *A. speculum* Haliday, 1838).

*Alysia (Alysia) speculum* Haliday, 1838: 241.

*Dinotrema speculum*; van Achterberg, 1988a: 34 (lectotype designation).

Type-material.— Lectotype designated by van Achterberg (1988), ♀ (NMI), "15" on small red label, "204" on Walker card (= British), "Box 10 A.W.S./British, Haliday, 20.ii.[18]82", "*Alysia venusta* Hal., ♀, A.W.S., 26.xii.1934". Paralectotypes: 4 ♀ ♀ (NMI) from box 10, on numbered Walker cards.

Valid name.— *Dinotrema speculum* (Haliday, 1838) (Alysiinae).

***vestalis* Haliday, 1834**

*Microgaster vestalis* Haliday, 1834b: 253.

*Apanteles vestalis*; Shenefelt, 1972: 659.

*Cotesia vestalis*; Papp, 1988: 155.

*Apanteles melittaeorum* Wilkinson, 1937: 65; Shenefelt, 1972: 569; Papp, 1986: 234. **Syn. nov.**

*Apanteles melittaeorum*; Nixon, 1974: 498-499.

Type-material.— Lectotype here designated, ♀ (NMI) on rectangular Haliday card, from box 14. Paralectotypes: 1 ♀ (NMI) on triangular card, "419"; 1 ♂ (NMI) on Haliday card.

Valid name.— *Cotesia vestalis* (Haliday, 1834) (Microgastrinae).

Note.— Lyle (1916) correctly recognized the identity of *M. vestalis* Haliday, but it was ignored by subsequent authors.

*vestigator* Haliday, 1836

*Rogas* (*Clinocentrus*) *vestigator* Haliday, 1836b: 95-96.

*Clinocentrus vestigator* Shenefelt, 1975: 1192-1193; Belokobylskij, 1995: 816-819 (lectotype listed).

Type-material.— Lectotype here designated, ♀ (NMI), Irish, underside of card "*exsertor*" (obviously added later, because at the time of publication of *R. vestigator* he was unaware of this name), from box 9. Paralectotypes: 4 ♀♀ (1 Irish, remainder British) + 2 ♂♂ (Irish) (NMI), from box 9.

Valid name.— *Clinocentrus vestigator* (Haliday, 1836) (Rogadinae).

*vexator* Haliday, 1835

*Perilitus* (*Meteorus*) *vexator* Haliday, 1835b: 33.

*Meteorus vexator*; Fischer, 1959: 12 (neotype designation); Shenefelt, 1969: 100; Huddleston, 1980: 53.

Type-material.— Holotype not found; neotype designated by Fischer (1959) and in Stelfox collection (USNM). The ♂ (OUM) on Haliday card with Haliday label "*vexator*" is *M. jaculator*, it does not fit the original description and is not a type.

Valid name.— *Meteorus vexator* (Haliday, 1835) (Euphorinae).

*victus* Haliday, 1836

*Opius* (*Opius*) *victus* Haliday, 1836c: 207.

*Opius* (*Allophlebus*) *victus*; Fischer, 1995a: 238-239 (literature).

*Opius* (*Allophlebus*) *singularis*; Fischer, 1972b: 424; Papp, 1981: 105 (not Wesmael, 1935).

*Opius* (*Allophlebus*) *tarni* Papp, 1982a: 249.

Material.— Lectotype here designated, ♀ (NMI), with small red label "rhyli", on narrow point and according to its description from Ireland (Shannon River), from box 6, "*Opius victus* Hal., ♀, Type!, A.W.S., 29.iii.1941". Paralectotypes: 2 ♀♀ (NMI) on similar triangular cards (points). Excluded: 1 (?) ♀ (NMV), on quadrangular card, "6.vi.[18]40".

Valid name.— *Atormus victus* (Haliday, 1836) **stat. nov. & comb. nov.**

Note.— This species is incorrectly synonymized by Fischer (1971a) with *Opius singularis* Wesmael, 1935; the type of the latter species belongs to another genus: *Opius* Wesmael, 1837 s.s.; *O. victus* belongs to a new genus, which is described below.

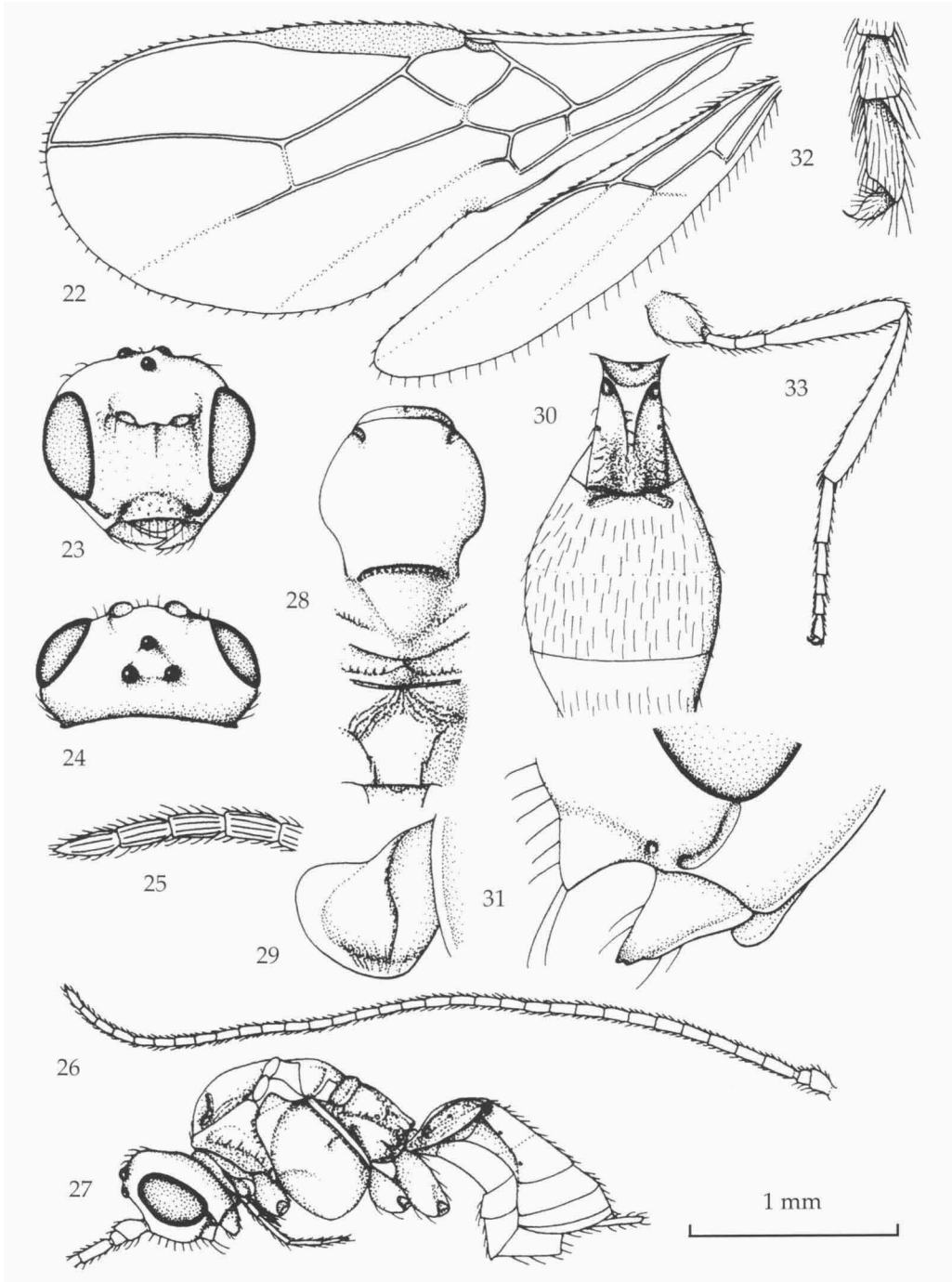
Biology.— In ZMA is a male reared from a host on *Sambucus* spec.

Distribution.— Armenia, Austria, Belgium, \*Bulgaria (RMNH), Czech Republic, Denmark, England, Finland, Georgia, Germany (RMNH), Hungary, Ireland, Italy (RMNH), Mongolia, Netherlands, Poland, Romania, Slovakia (RMNH), Slovenia (RMNH), Sweden and Switzerland.

*Atormus* gen. nov.

Type species: *Opius victus* Haliday, 1836.

Etymology: from "a" (Greek for "not, without") and "tormos" (Greek for "hole"),



Figs 22-33, *Atormus victus* (Haliday), ♀, Ireland, Glenn of the Downes. 22, wings; 23, head, frontal aspect; 24, head, dorsal aspect; 25, apex of antenna; 26, antenna; 27, habitus, lateral aspect; 28, mesosoma, dorsal aspect; 29, propleuron, lateral aspect; 30, first-third metasomal tergites, dorsal aspect; 31, detail of clypeus and mandible, lateral aspect; 32, outer hind claw; 33, hind leg. 22, 26, 27, 33: 1.0 × scale-line; 23, 24, 28, 30: 1.4 ×; 25: 2.5 ×; 29, 31, 32: 4.4 ×.

because it is related to the genus *Xynobius* Foerster, 1862, but it lacks the medio-posterior depression of the mesoscutum. Gender: masculine.

Diagnosis.— Hypoclypeal depression large (figs 23, 31); malar suture deep, nearly complete curved ventrally (fig. 31); mandible with ventral carina (fig. 31); occipital flange protruding ventrally (fig. 31); occipital carina remain removed from hypostomal carina; pronope obsolescent; propleuron with oblique carina submedially (fig. 29), area in front of carina flattened; medio-posterior depression of mesoscutum (fig. 28) and precoxal sulcus (fig. 27) absent; pterostigma long elliptical and vein r issued far in front of middle of pterostigma (fig. 22); first subdiscal cell of fore wing distinctly widened apically (fig. 22); spiracles of first tergite situated dorsally, just in front of middle of tergite (fig. 30); dorsope deep; second and third metasomal tergites evenly setose (fig. 30), but sometimes sparsely so; second tergite smooth, and with pair of deep basal depressions (fig. 30); ovipositor short, just protruding (fig. 27).

Distribution.— Palaearctic: only the type species known.

*viminalis* Haliday, 1834

*Aphidius viminalis* Haliday, 1834a: 102 (related to *A. salicis* Haliday). Nomen nudum.

*vindex* Haliday, 1836

*Opius (Opius) vindex* Haliday, 1836c: 210.

*Opius (Phaedrotoma) vindex*; Fischer, 1972b: 405.

*Opius (Opiothorax) vindex*; Fischer, 1995a: 230-231, figs 14-22.

Type-material.— Holotype, ♂ (NMI), pinned, "Haliday, 20.ii.[18]82", "*Opius vindex* ♂, M.W.R. de V. G., 12.viii.[19]54"; the holotype has 36 antennal segments.

Valid name.— *Opius vindex* Haliday, 1836 (Opiinae).

*volucris* Haliday, 1833

*Aphidius (Praon) volucris* Haliday, 1833b: 484.

*Praon volucre*; Mackauer, 1961; 104-105 (lectotype designation), 1968: 20 (incorrectly stated to originate from England).

Type-material.— Lectotype designated by Mackauer (1961), ♀ (BMNH), "B.M. Type Hym. 3.c.74". Paralectotype: 1 ♂ (BMNH), 3.c.74.

Valid name.— *Praon volucre* (Haliday, 1833) (Aphidiinae).

*wesmaelii* Haliday, 1836

*Opius (Opius) wesmaelii* Haliday, 1836c: 219.

*Biosteres (Chilotrichia) wesmaelii*; Fischer, 1972b: 517.

Type-material.— Lectotype here designated, ♀ (NMI), "on Haliday card, "Box 6 A.W.S./British [probably Irish] Haliday, 20.ii.[18]82", "*Opius wesmaelii* Hal., ♀. Type!, A.W.S. 19.i.1948". Paralecto-

types: 7 ♀♀ + 9 ♂♂ (partly on Walker cards and partly on Haliday cards), from box 6; 1 ♂ (NMV) on Haliday card and with green "*wesmaelii*" label by Haliday, Irish. Excluded: 3 specimens (NMI) from box 28.

Valid name.— *Biosteres (Zetetes) wesmaelii* (Haliday, 1836) (Opiinae).

*xanthostigma* Haliday, 1834

*Microgaster xanthostigma* Haliday, 1834b: 244.

*Apanteles xanthostigma*; Wilkinson, 1931: 79 (designation of neotype); Shenefelt, 1972: 664-666; Nixon, 1976: 701-702; Papp, 1980: 263, 1988: 150.

Type-material.— Type specimens (♂♂) not found in NMI or NMV. Neotype in BMNH, a ♀ ("3.c. 1071") from the Marshall Collection.

Valid name.— *Apanteles xanthostigma* (Haliday, 1834) (Microgastrinae).

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Abbreviations of institutions:

BMNH = Natural History Museum, London, U.K.;

DEI = Projektgruppe Entomologie, (Deutsches Entomologisches Institut), Eberswalde, Germany;

NMI = National Museum of Ireland, Dublin, Ireland;

NMV = National Museum of Victoria, Abbotsford, Victoria, Australia;

OUM = University Museum, University of Oxford, Oxford, U.K.

RMNH = Nationaal Natuurhistorisch Museum, Leiden, Netherlands;

SCT = Spinola Collection, Museo Regionale di Scienze Naturali, Torino, Italy;

ZMA = Zoölogisch Museum, Universiteit van Amsterdam, Amsterdam, Netherlands.

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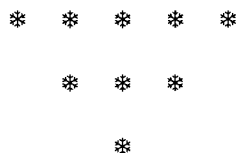
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