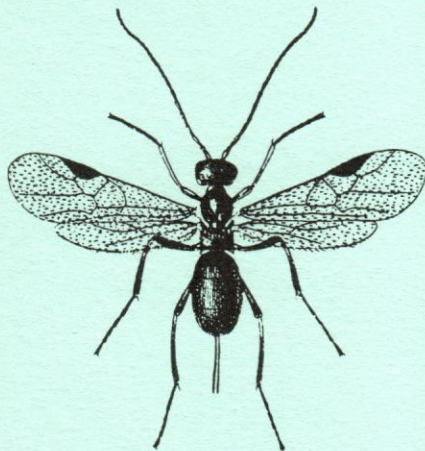


**A CATALOGUE OF THE IRISH BRACONIDAE
(HYMENOPTERA: ICHNEUMONOIDEA)**

by

J. P. O'Connor, R. Nash and C. van Achterberg



Occasional Publication of the Irish Biogeographical Society

Number 4, 1999

Front Cover: adult of *Triaspis caudata* (Nees von Esenbeck), a species abundant in Irish maritime areas according to A. H. Haliday. Illustration by H. Knight and from plate IV of T. A. Marshall's *Monograph of British Braconidae*. Part 1 (1885).

**DEDICATED TO THE MEMORY OF IRELAND'S GREATEST BRACONID EXPERT:
ALEXANDER HENRY HALIDAY (1806-1870)**

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Sponsored by The Heritage Council
An Chomhairle Oidhreachta



Series Editor: J. P. O'Connor

Date of Publication: 21 May 1999

Occasional Publication of The Irish Biogeographical Society
Number 4, 1999

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ISBN 0-9511514-3-6

Abbreviation: *Occ. Publ. Ir. biogeog. Soc.*

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Preface

The Braconidae is one of the largest families in the Hymenoptera and 529 species are currently known from Ireland. The present work provides detailed information on the Irish fauna and is a contribution towards a future checklist of the Irish Hymenoptera (Nash, O'Connor *et alia*, in preparation).

The Irish Biogeographical Society wishes to thank The Heritage Council for sponsoring this publication, Mr J. M. C. Holmes for preparing the camera-ready text, Dr C. van Achterberg for his superb figures of braconids and the National Museums and Galleries of Northern Ireland for supplying the colour plates of Irish braconids illustrated by John Curtis in his *British Entomology* (1823-1840). As a result of the generous sponsorship of The Heritage Council, copies of this *Occasional Publication* will be issued free to all members who have paid their 1999 subscriptions.

J. P. O'Connor,
General Editor,
Irish Biogeographical Society
10 February 1999

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(HYMENOPTERA: ICHNEUMONOIDEA)**

by

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Abstract

The Irish braconid fauna is reviewed and a checklist provided. Data are provided on 529 species, nineteen of which are recorded from Ireland for the first time.

Introduction

The Braconidae is one of the largest families in the Hymenoptera. Indeed, it has been estimated that there are at least 40,000 species in the world (van Achterberg, 1984). There are nearly 1,200 species known from Britain (Shaw and Huddleston, 1991). The majority are small, active, inconspicuous insects, black brown or orangish in colour. All (except a few exceptions) are primary parasitoids of other insects (Gauld and Bolton, 1988). Comprehensive accounts of the family, including key identification works, classification, biology and phylogeny, are provided by Gauld and Bolton (1988), Shaw and Huddleston (1991) and van Achterberg (1993a).

The literature on the Irish Braconidae is scattered and there is no modern list of the species occurring on the island. As a result, it has been very difficult for anyone to commence studying the Irish fauna or for existing workers to ascertain the status of a particular species in Ireland. The present catalogue is designed to eliminate these problems. The detailed information concerning sites etc. will facilitate the conservation of rare and threatened braconids.

Historical account

A. H. Haliday was the most important worker on the Irish fauna, describing many species new to science. Born at Holywood, Co. Down, in 1806, he was a cultured, retiring, quiet-mannered, meticulous perfectionist, who shunned publicity. Although he completed his work on the group within seven years, he is the author of many valid species based on Irish material. He collaborated with leading experts abroad including J. Curtis, the author of *British Entomology* (1823-1840). Four plates are reproduced in this catalogue from that important work. Details concerning the illustrated species are given in Appendix 1. The history of the Haliday Collection is summarised by O'Connor and Nash (1982). Van Achterberg (1997) provides a comprehensive revision of the Haliday Braconidae, including the designation of lectotypes. After Haliday, Claude Morley made many interesting finds based mainly on material collected during the Clare Island Survey in Co. Mayo. Spanning a period of over thirty years from 1900, W. F. Johnson reported captures of Irish Braconidae. However, it was not until A. W. Stelfox began working on the group that intensive studies of the Irish fauna recommenced in the tradition of Haliday.

Over a period of some forty years, Stelfox collected a large number of braconids throughout Ireland. He played an important role not only through his own excellent work but also through his co-operation with M. W. R. de V. Graham and G. E. J. Nixon. He described many species as a co-author with the former worker while the latter borrowed large parts of the Stelfox collection. This material proved very useful during many of Nixon's revisions. Although employed from 1920-1948 as an entomologist by the National Museum of Ireland, in 1966 Stelfox presented his large collection of Irish Braconidae to the Smithsonian Institution, Washington. Subsequently, voucher material was returned to the Dublin Museum. It has proved very useful during the compilation of this catalogue. More detailed accounts of Haliday and Stelfox will be found in Beirne (1985) and O'Connor (1997). Numerous other workers have made contributions to our knowledge of the Irish fauna and these authors are listed in the references.

The present catalogue

Based mainly on the published literature, full data are given where available including distributions, flight-periods and hosts. In some instances, it has been possible to give

unpublished information gleaned from museum material when it was unavailable in the literature. Nomenclature follows a ms checklist of the Braconidae of The Netherlands (van Achterberg, unpublished data). A total of 529 species are reported from Ireland, including nineteen new to the fauna. This represents only approximately 44% of the number known from Britain (*circa* 1,200) and undoubtedly many braconids await discovery in Ireland. When possible, grid references for localities mentioned in the text are given in Table 1. If authors have used vice-counties, these are cited. The Irish counties are shown in Figure 1.

Abbreviations used in the text

AB - A. Beaumont; AHH - A. H. Haliday; AWS - A. W. Stelfox; BH - B. Healy; BMNH - British Museum (Natural History) (The Natural History Museum, London); BPB - B. P. Beirne; CM - C. Morley; EOM - E. O'Mahony; GCDG - G. C. D. Griffiths; GEJN - G. E. J. Nixon; GMS - G. M. Stelfox IM - Ipswich Museum; JDB - J. D. Bradley; JMOC - J. P. and M. A. O'Connor; JNH - J. N. Halbert; JPOC - J. P. O'Connor; MWVG - M. W. R. de V. Graham; NMI - National Museum of Ireland (Natural History Museum, Dublin); NMV - National Museum of Victoria, Melbourne; OUM - Oxford University Museum; PHG - P. H. Grimshaw; RB - R. E. Blackith and R. M. Blackith; RCF - R. C. Faris; RMNH - Nationaal Natuurhistorisch Museum, Leiden; TH - T. Huddleston; USNM - United States National Museum (The Smithsonian Institution, Washington); WFJ - W. F. Johnson.

TABLE 1. List of collecting sites.

The authors could not find certain localities on the Irish Ordnance Survey maps and are unable therefore to provide grid references for these sites which are given in italics.

ANTRIM: Belfast (J3268); near Bushfoot (C9342); Carnlough Glen (D3241); Dunderave (C9441); Larne (D4002); Lough Neagh (J0-8-).

ARMAGH: Armagh (H8745); Lough Neagh, between Ellis's Cut and Kinnegoe (J0561); Poyntzpass (J0639).

CARLOW: Bahana Wood (S7239); Borris (S7250); Cloughristick (S7069); Kilcarrig Bridge (S8962); Oak Park (S7379).

CAVAN: Annagh Lake, Butlersbridge (H3912); Arva Road (H3501); Cahoo (H3900); Drumcarban (N3798); Farnham (H3906); Farrinseer (H3401); Gartinardress (H3302); Killykeen (H3405); Virginia (N5987).

CLARE: Ballyeigher Lough (R3494); Ballynalacken (M1000); Bell Harbour, Bealaclogga (M2808); Black Head, The Burren (M1512); Derreen (R0489); Doolin (R0797); Ennistymon (R1288); Fanore (M1407); Gartinadress (H3302); Killaloe (R7072); Lough Goller (R1296); Murrough (Murrough) (M1409); Mullaghmore (Mullagh More) (R3295); Nahilla (H4013); Poulavallan (Paulavallan) (M2902); Poulnaclogh Bay (M2809); Poulsallagh (M0801); *The Burren*.

CORK: Ardnagashel (V9753); Barony River, Glengarriff (V9456); Lough Woods, Glengarriff (V9256); Snavel near Bantry (V9954); The Lodge oak wood (The Deer Park), Glengarriff (V9157).

DONEGAL: Ards (C0534); Benroe, Killybegs (G7276); Bundoran (G8158); Coolmore (G8666); Drumchory near Ballintra (G8972); Finner (G8461); Gubacreeeny (G8257); Isle of Dough (C4-5-); Lough Eske (G9684); Knader (Knather) (G9060); Magherabeg (C2413); Malin Beg (G4980); Portnoo (G6999).

DOWN: Ballyroney (J2237); *Brook Cottage*; Carlingford Lough (J2-1-); Cranfield Point (J2710); Donaghadee (J5879); Donard Lodge (J3629); Drinnahilly (J3630); Greencastle (J2511); Hollywood (J4079); Inch Abbey (J4845); Lough Island Reavy (J2934); Mourne (J2616); Murlough House (J4034); Newcastle (J3730); Rostrevor (Wood) (J1818); Slidery Ford near Newcastle (J3934); Strangford (J5849); Tollymore (Park) (J3532); Tullybrannigan (J3531).

DUBLIN: Balbriggan (O2063); Ballinascorney (House) (O0722); Bog of the Ring (O1860); Bohernabreena (O0-2-); Brittas Ponds (O0321); Broad Meadow Water near Swords (O1749); Clondalkin (O0731); Dalkey (O2626); Dartry (O1630); Dublin City (O1-3-); Finglas (O1338); Firhouse (O1127); Foxrock (O2125); Furry Glen (O1036); Glenasmole (O1019); Glendoo (Glendhu) (O1420); Gollierstown (O0132); Grand Canal, south-west of Gollierstown Bridge (O0032); Grand Canal, west of Clondalkin (O0432); Grand Canal, west of Killeen (O0932); Harold's Cross (O1432); Jobstown (O0626); Johnstown (O2121); Kilbarrack (O2439); Kilgobbin High Cross, Sandyford (O1826); Killeen (O0932); Killiney (O2624); Lynch Park (O0324); Lucan (O0335); Merrion Square (O1633); North Bull Island (O2-3-); Phoenix Park (O0935); Portmarnock (O2441); Portrane (O2549); Raheny Strand (O2238); River Dodder above Old Bawn Bridge (O0826); River Liffey in Sarsfield Estate, Lucan (O0236); Rogerstown

dunes (O2452); Royal Canal west of Clondalkin (O0632); Saggart (O0326); Sarsfield Estate, Lucan (O0236); Seapoint (O2229); Skeagh (Skeagh House) (N9729); Sl. Thoule (O0223); Slade Brook, Glenasmole (O1019); Slade of Saggart (O3-5-); St Anne's, Clontarf (O2137); Stepside (O1924); Sutton (O2539); Terenure (O1430); The Island, Malahide (O2-4-); The Scalp (O2120); Three Rock Wood near Ticknock (O1723); Trinity College (O1634); *Whitehall House*, Clondalkin; *Whitechurch*; Whitestown (O0927).

FERMANAGH: Tempo (H3548).

GALWAY: Ballynahinch (Ballinahinch) (L7647); Dog's Bay, Roundstone (L6938); Lough Callow (L6541); Maam Bridge (L9746).

KERRY: Ballast Pit, Killarney (V9691); Blackstones (V7086); Carrantuohill (V8085); Darrynane (V5458); *Darvynaneinsh*; Derrycunihy, Killarney (V9080); Dingle Promontory below Stradbally (Q5912); Dunkerron (Castle) (V8970); Glencar (V7087); Hotel Europe, Killarney (V9291); Kenmare (V9171); Killarney (V9-9-); Parknasilla (V7164); Rossbeigh (Rossbegh) (V6491); Slaheny Valley (W0172); Tralee (Q8414).

KILDARE: Athgarrett House (N9416); Athy (S6893); Brockagh (Brockgoh) (N7826); Bryanstown (House) (Bryl'n) near Celbridge (N9733); Carton Demense (N9638); Glending near Blessington (N9615); Grand Canal (N9326); Grand Canal near Landenstown House (N8524); Kilkea Park (Deerpark) (S7488); *Kilteel*; Landenstown House (N8524); Leixlip (O0037); Louisa Bridge, Leixlip (N9936); Morrinstownbiller (N7715); Naas (N8919); Newtown Great near Glending (N9414); *Oldtown House*; Osberstown (N7614); River Barrow at Tankardstown (S7088); *Royal Canal*; Royal Canal at Collinstown House (N9836); Royal Canal near Louisa Bridge (O0035); Rye Water, Leixlip (O0036); Sallins (N8922); Skerries Bog (S7299).

KILKENNY: Kilkenny (S5056); River Barrow below New Ross (S7026).

LAOIS: Portarlinton (Portarlinton) (N5413); Tankardstown Bridge (S7088); Woodbrook House near Emo Park (N5109).

LEITRIM: *Agharoghil*; Bundrowes (G7958); *Imaal*; north of Kinlough (G8156); south of Kinlough (G8156); Lough Gill (G7-3-); Lough Melvin (G8355); Shriff near Drumahaire (G7934); Tullaghan (G7758).

LIMERICK: Kilteely (R7241); Limerick (R5757).

LONGFORD: Castle Forbes (N0980).

LOUTH: Baltray (O1478); Bellurgan (JO909); Carlingford (J1811); *Newtownbabe*; *River Boyne*.

MAYO: Achill (F6-0-); Achill Sound (L7399); Annagh, the Mullet (F6434); Belclare (L9782); Bouris near Louisburgh (L8679); Brackloon Wood (L9779); Carrowmore Hill (L7980); Carrowmore Lough (L7979); Clare Island (L6-8-); Croaghpatrick (L9080); Dooaghtry (L7469); Knappagh (L9880); Lough Cahasy (Cahazy) near Louisburgh (L7578); Lough Namucka (L8275); Louisburgh (L8080); Mulranney (Mulranny) (L7399); Old Head (L8382); Polranny (Pollranny) (F7600); Roonah Quay (L7480); Sraheens Lough (F7100); The Mullet (L6-2-); Westport (L9984).

MEATH: Agher (N8245); Boyne Aquaduct (N6945); Lagore (N9952); Mayqaddy (Moygaddy) (N9439); Rathoath (Ratoath) (O0251); *River Boyne*; Royal Canal aqueduct over River Boyne (N6945); Trim by the River Boyne (N7956).

ROSCOMMON: Oakport (G8704).

SLIGO: *Annacoona*; Bunduff (G7155); *Carrowgarry*; Cashegal (Castlegal) (G7240); Enniscrone (G2929); Lough Colgagh (Coloagh) (G7436); Lough Gill near Doonee Rock (G7-3-); Markree (G6925); Sligo (G6936); Streedagh (G6349); Trawalua (Trawallua), Cliffony (G6-5-).

TIPPERARY: Aherlow (R9332); Ballinacourty, Glen of Aherlow (R8529); *Bansla Wood*; *Burnt Woods*; Castlereagh House, Ballinacourty (R8630); Galtee Mountains below Lough Borheen (R8924); Galtee Mountains on south-west shore of Lough Curfa (R8724); Killaloe (R7073); Tipperary (R8836).

WATERFORD: Ballin Lough (S4403); Cappagh, near Dungarvan (X1896); Dunmore East, Malcolmson's Wood (S6800); Glasha River (S3022); Horn Head, Tramore (S6-0-); Mount Congreve (S5310); Tramore (S6100); Waterford (S6012).

WESTMEATH: Athlone (N0430); Ballyhealy (N6260); *Newtownlow*; Riverdale (N6151).

WEXFORD: Ballinesker (T1129); Ballyhighland Wood (S8840); Castlebridge (T0526); Clone (T0047); Curraclloe (T1-2-); Duncannon (S7308); Ferns (T0149); Hollyfort (Hallyfort) (T1164); Inch (T1967); Killurin (S9626); Kiltrea Bridge (S9240); Kilmore Quay (S9603); Longrigue, Foulkesmill (Foulks Mills) (S8518); *Toome*.

WICKLOW: Aghowle near the Devil's Glen (T2294); Athdown (O0715); Ballincklea, Glen of

Imaal (S9595); Ballinreddin (Ballinreddan) (S9990); Ballyhubbock (Bridge) (S9193); Ballymoyle (T2-7-); Ballynastockan (Ballystockan) (N0208); Bellevue (O2711); Blessington (N9814); *Borris*; Buckrone (T2980); Castle Howard (T1983); Clara (T1792); Coan (S9892); Connary, Vale of Avoca (T2083); *Cloughlaague*; Collinstown (S8598); Deputy's Pass (T2390); Devil's Glen (T2499); Drumgoff, Glenmalure (T1090); *Edenvale*; Enniskerry (O2417); George's Bridge, River Slaney (S9093); Glanmore (Glenmore), Devil's Glen (T2498); Glen of Imaal (S9693); Glen of Imaal near Leitrim Barracks (S9693); Glen of the Downs (O2611); Glenart Castle near Arklow (T1074); Glencullen, above Enniskerry (O2-1-); Glending (N9615); Glenealy (T2492); Glenmacnass (O1-0-); Glenmalur (T0-9-); Glen of the Downs (O2611); Glen of Imaal (S9693); Greystones (O2912); *Kilmullin Glen*; Killoughter (T2999); Kilmacanoque (O2514); Kilruddery (O2616); Kippure House (O0814); Lragh (T1496); Liffey Head (O1313); Lough Ouler (O0902); Lugnaquilla (T0392); Magherabeg (T3188); Manor Kilbride (O0217); Monaglogh (T1975); Murrough (O0314); North Prison, Lugnaquilla (T0391); Powerscourt (O2116); Prettybush (O2909); Raheen (O1601); River Liffey near source (O1413); Russellstown (Park) (N9610); The Murrough (by the Broad Lough) (T3096); Thonelagee (Tonelegee) (T2982); Three Castles (O0116); Tinode (O0119); Vale of Clara (T1792); Woodend (O0114).

BRACONIDAE

ADELIINAE VIERECK, 1918

***Adelius germanus* Haliday, 1834**

Ireland (Shenefelt, 1973a: pp 673-674 as *Acaelius*).

***Adelius pyrrhia* (Beirne, 1945)**

WICKLOW: Ballymoyle, sweeping in marshy hollow, on the north-eastern side of the hill, ♀ (type) 13.viii.1943, BPB (Beirne, 1945: p. 106 as *Acoelius*).

Ireland (Shenefelt, 1973a: p. 673 as *Acaelius*).

AGATHIDINAE NEES VON ESENBECK, 1814

***Agathis breviseta* Nees von Esenbeck, 1814**

ANTRIM: Lough Neagh, ♀ 26.vi.1967, AWS (USNM); DUBLIN: Glenasmole, ♂ ♀

24.vi.1938, AWS (USNM) (all Nixon, 1986: p. 198).

***Agathis fuscipennis* (Zetterstedt, 1838)**

synonym *Agathis glabricula* Thomson, 1895

synonym *Agathis artemisiana* Fischer, 1966

CLARE: The Burren, ex *Coleophora troglodytella* Duponchel (Lepidoptera), ♂ 3♀ JDB (BMNH) (Nixon, 1986: p. 210 as *Agathis glabricula*); KILDARE: Royal Canal, ♀ 30.vi.1950, AWS (BMNH); LOUTH: Baltray, 3♀ 23.vii.1941, AWS (BMNH) (both Nixon, 1986: p. 211 as *Agathis artemisiana* Fischer, 1966)..

***Agathis griseifrons* Thomson, 1895**

[LAOIS]: Woodbrook (Woodbrock), ♂ ♀ June, AWS (USNM); WICKLOW: Athdown, ♀ July, AWS (USNM) (all Nixon, 1986: p. 203).

***Agathis lugubris* (Foerster, 1862)**

synonym *Agathis minuta* Niezabitowski, 1910

Ireland (Nixon, 1986: p. 208 as *Agathis minuta*).

***Agathis rufipalpis* Nees von Esenbeck, 1814**

ARMAGH: Poyntzpass, in May [1915], flying at hawthorn *Crataegus*, WFJ (Johnson, 1916: p. 21); same locality, garden, May [1920], WFJ (Johnson, 1921: p. 107); WEXFORD: Curracloe, ♂ July (BMNH) (Nixon, 1986: p. 199).

***Bassus cingulipes* (Nees von Esenbeck, 1814)**

DOWN: Tollymore Park, 2♀ vii.1961, AWS (USNM); DUBLIN: Glenasmole, ♀ viii.1944, AWS (USNM) (all Nixon, 1986: p. 222 as *Microdus*); WICKLOW: Russellstown Park, ♀ 7.viii.1982, JPOC (NMI) (O'Connor *et al.*, 1991: p. 451).

Ireland (Simbolotti and van Achterberg, 1992: p. 22).

***Bassus clausthalianus* (Ratzeburg, 1844)**

MEATH: Boyne Aqueduct, ♂ 25.vi.1950, AWS; WICKLOW: Glen of Imaal, ♀ 25.vi.1933, AWS (NMI: unpublished records, det. GEJN).

Ireland (Nixon, 1986: p. 224 as *Microdus*; Simbolotti and van Achterberg, 1992: p. 23).

***Bassus conspicuus* (Wesmael, 1837)**

Ireland (Nixon, 1986: p. 225 as *Microdus*; Simbolotti and van Achterberg, 1992: p. 25).

***Bassus rugulosus* (Nees von Esenbeck, 1834)**

CORK (West): Glengarriff, The Lodge oak wood (The Deer Park), ♀♀ flying around the tips of branches during the last fortnight of July 1935, AWS (Stelfox, 1953c: p. 134 had the impression that the species was abundant. This record was repeated by Nixon (1986: p. 218 as *Microdus*, "Lodge Woods") but only 4♀♀ (BMNH) are cited).

Ireland (Simbolotti and van Achterberg, 1992: p. 38).

***Bassus tumidulus* (Nees von Esenbeck, 1814)**

CLARE: Black Head, The Burren, swept from vegetation on limestone pavement, ♀ 2.viii.1988, JMOC (NMI) (O'Connor *et al.*, 1991: p. 451); MAYO: Mulranny, ♂ July 1910, PHG (IM) (Morley, 1911: p. 16 as *Microdus*).

Ireland (Nixon, 1986: p. 225 as *Microdus*; Simbolotti and van Achterberg, 1992: p. 45).

***Earinus elator* (Fabricius, 1804)**

synonym *Earinus nitidulus* (Nees von Esenbeck, 1812)

ARMAGH: Poyntzpass, ♀ May 1910, WFJ (Johnson, 1912: p. 79 as *Earinus nitidulus*); same locality, in May [1915], on hill, and flying at hawthorn *Crataegus*, WFJ (Johnson, 1916: p. 21 as *Earinus nitidulus*); same locality, lane, April [1919], WFJ (Johnson, 1920a: p. 10 as *Earinus nitidulus*); DUBLIN: Glenasmole, ♂ 5.iv.1936, AWS (USNM) (Nixon, 1986: p. 227); MAYO: Sraheens Lough, June 1910, WFJ (Morley, 1911: p. 16 as *Earinus nitidulus*); WICKLOW: Glencullen, ♂ 25.iii.1932, AWS (USNM) (Nixon, 1986: p. 227).

Ireland (Shenefelt, 1970b: p. 406 as *Earinus nitidulus*).

***Earinus gloriatorius* (Panzer, 1809)**

synonym *Earinus delusor* Wesmael, 1837

ARMAGH: Poyntzpass, in May [1915], flying at hawthorn *Crataegus*, WFJ (Johnson, 1916: p. 21); same locality, on hill, and flying at hawthorn *Crataegus*, WFJ (Johnson, 1916: p. 21 as *Earinus gloriatorius* (Panzer) var. *delusor* Wesmael); same locality, lane, April [1919], WFJ (Johnson, 1920a: p. 10 var. with rufous coxae); DONEGAL: Portnoo, June [1918], WFJ (Johnson, 1919: p. 37).

Ireland (Shenefelt, 1970b: p. 405; Nixon, 1986: p. 228).

ALYSIINAE STEPHENS, 1829

***Agonia adducta* Haliday, 1839**

DUBLIN: Bohernabreena, July, GEJN; SLIGO: Trawallua, July, GEJN; WICKLOW: Powerscourt, August, AWS (All Nixon, 1937: p. 48 as *Dacnusa*; Nixon, 1954: p. 279). Ireland (Haliday, 1839: p. 14 as *Alysia* (*Dacnusa*); Marshall, 1897: p. 2 as *Dacnusa*, rare; Shenefelt, 1974: p. 1083 as *Dacnusa*; van Achterberg, 1997: p. 12 Irish lectotype ♂ and paralectotype ♂ (NMI)).

***Alloea contracta* (Haliday, 1838)**

Ireland (Haliday, 1838: p. 219 as *Alysia*; Marshall, 1894: p. 506; Shenefelt, 1974: p. 939; van Achterberg, 1997: p. 29 Irish lectotype ♂ (NMI)).

***Alysia alticola* (Ashmead, 1890)**

synonym *Alysia soror* Marshall, 1894

DOWN: Newcastle, ♀ 14.x.1959, AWS (USNM) (Wharton, 1986: p. 500 as *Alysia soror*. The other localities cited for Ireland are actually in Scotland).

***Alysia (Anarcha) atra* Haliday, 1838**

ANTRIM: Bushfoot, ♀ 9.vi.1938, AWS (USNM); DOWN: Lough Island Reavy, ♀ 29.viii.1962, AWS (USNM); Newcastle, Tippy Lane, ♀ 14.v.1957, AWS (USNM); DUBLIN: Lynch Park, ♂ ♀ 3.ix.1952, AWS (USNM); Slade of Saggart, ♀ 22.vii.1936, AWS (USNM); KILDARE: Landenstown (Landenst'7), ♀ 28.viii.1946, AWS (USNM); Royal Canal, ♀ 15.viii.1943, AWS (USNM); LEITRIM: North of Kinlough, ♂ 8.viii.1933, AWS (USNM); MEATH: Rathoath (Ratoath), ♀ 10.vii.1937, AWS (USNM); TIPPERARY: ♀ Ballinacourty (B'c't'y) (given as being in County Strabane), ♀ 21.ix.1943, AWS (USNM); WICKLOW: Athdown, 14♂♂ 3♀♀ 9.ix.1945 and 10.viii.1947, AWS (USNM); Coan, ♀ 14.vii.1940, AWS (USNM); Lugnaquilla, 2♀♀ 8.viii.1937, AWS (USNM) (all Wharton, 1988: p. 24). Ireland (Haliday, 1838: p. 223 rarely taken in Northern Ireland; Marshall, 1894: p. 514; Stelfox, 1941a: p. 11 I have myself collected a small number of both sexes in Ireland. For once Haliday has left us a named specimen and the beautifully carded ♀ taken by him in Ireland which I have chosen as the type; Shenefelt, 1974: p. 941; Wharton, 1988: p. 24; van Achterberg, 1997: p. 17 Irish lectotype ♀ (NMI)).

Alysia (Anarcha) fuscipennis Haliday, 1838

DUBLIN: Glenasmole, ♀ 17.vi.1942, AWS (USNM) (Wharton, 1988: p. 30).

Ireland (Haliday, 1838: p. 224 rarely; Marshall, 1894: p. 512; Shenefelt, 1974: p. 944; van Achterberg, 1997: p. 43 Irish lectotype ♀ (NMI)).

Alysia incongrua Nees von Esenbeck, 1834

CARLOW: Bahana Wood, ♂ 9.vi.1935, AWS (USNM); CORK: Lodge Woods, Glengarriff, ♀ 16.vii.1935, AWS (USNM); KILDARE: Kilkea Park, ♀ 26.vi.1933, AWS (USNM); Royal Canal, ♂ 9.vii.1941, AWS (USNM); SLIGO: Trawalua, ♀ 12.vi.1959, AWS (USNM); WICKLOW: Clara, ♀ 4.ix.1938, AWS (USNM); Glen of Imaal, ♂ ♀ 28.vii.1940 and 2.vii.1950, AWS (USNM) (all Wharton, 1986: p. 474).

Ireland (Fischer, 1971: p. 43; Shenefelt, 1974: p. 945. Note there is a ms Haliday record of this species in NMI).

Alysia lucicola Haliday, 1838

CAVAN: Farrinseer, ♂ 3.x.1959, AWS (USNM); DOWN: Donaghadee (D'dee), ♀ 1.vi.1938, AWS (USNM); DUBLIN: Glenasmole, ♀ 4.vi.1941, AWS (USNM); KILDARE: Royal Canal, ♂ 31.viii.1952, AWS (USNM); TIPPERARY (South): Ballinacourty, ♂ 9.vi.1944, AWS (USNM); WICKLOW: Dunran, ♀ 23.v.1937, AWS (USNM) (all Wharton, 1986: p. 487).

Ireland (Haliday, 1838: p. 226 taken rarely amongst fungi; Marshall, 1894: p. 517; Shenefelt, 1974: p. 946 four specimens (NMV); van Achterberg, 1997: p. 54 Irish lectotype ♀ (NMI)).

Alysia luciella Stelfox, 1941

WICKLOW: Aghowle near The Devil's Glen, in a small remnant of the native oak-woods, ♀ 18.viii.1940, AWS (USNM); Glencullen above Enniskerry, ♀ (holotype) 29.ix.1937, AWS (USNM) (Stelfox, 1941a: p. 2; Wharton, 1986: p. 477).

Ireland (Shenefelt, 1974: p. 946 ♀ (USNM)).

Alysia (Anarcha) mandibulator (Nees von Esenbeck, 1814)

CAVAN: Farrinseer, ♀ 15.vi.1941, RCF (USNM); DUBLIN: Kilbarrack, 2♀ 22.vii.1933 and 26.v.1936, EOM (USNM); Slade of Saggart, ♀ 26.v.1936, AWS (USNM); WICKLOW: Liffey Head, 1700 ft, ♀ 12.vi.1930, AWS (USNM) (Wharton, 1988: p. 38).

Alysia manducator (Panzer, 1799)

[?ANTRIM]: Belfast, 13.vi.1909, H. L. Orr (Johnson, 1912: p. 79); ARMAGH: Poyntzpass,

July [1914]; same locality, field, September [1919], WFJ (Johnson, 1915: p. 133; Johnson, 1920a: p. 10); same locality, sweeping, August [1920], WFJ (Johnson, 1921: p. 107); DONEGAL: Coolmore, in August [1912], WFJ (Johnson, 1913: p. 141); DOWN: Greencastle, ♀♀ 9 and 16.[viii.1930], WFJ (Johnson, 1931: p. 139); WATERFORD: Tramore, ♀ 14.vii.1989, JMOC (NMI: unpublished record, det. C. van Achterberg). Ireland (Shenefelt, 1974: p. 947).

***Alysia (Anarcha) rufidens* Nees von Esenbeck, 1834**

synonym *Alysia puncticollis* Thomson, 1895

DOWN: Murlough House, dunes, ♂ 1.vi.1957, AWS (USNM); DUBLIN: North Bull Island (N. Bull), ♀ 11.v.1949, AWS (USNM); WICKLOW: Murrrough, ♀ 18.ix.1949, AWS (USNM) (Wharton, 1988: p. 12).

Ireland (Haliday, 1838: p. 222 Northern Ireland, frequently on the sea-coast; Marshall, 1894: p. 511; Fischer, 1970: p. 5; Shenefelt, 1974: p. 952; Shenefelt, 1974: p. 951 as *Alysia puncticollis*. This entry is probably an error. There is no Irish reference but instead an Icelandic one ("Petersen 1956 Zoology Iceland 3: 31") is given. There are only two countries listed viz. Sweden and Ireland!).

***Alysia (Anarcha) sophia* Haliday, 1838**

DUBLIN: Glenasmole, ♀ 25.viii.1937, AWS (Stelfox, 1941a: p. 13); LEITRIM: Lough Melvin, near the shore at the eastern end, ♀ 19.viii.1932, AWS (USNM) (Stelfox, 1941a: p. 13; Wharton, 1988: p. 44); LONGFORD: Castle Forbes, ♀ 22.vii.1933, AWS (BMNH) (Wharton, 1988: p. 44).

Ireland (Haliday, 1838: p. 225 taken once in Northern Ireland; Marshall, 1894: p. 515; Fischer, 1970: p. 5; Fischer, 1971: p. 56; Shenefelt, 1974: p. 953; Wharton, 1988: p. 44 Irish holotype ♀ (NMI); van Achterberg, 1997: p. 76 Irish holotype ♀ (NMI)).

***Alysia (Anarcha) thapsina* Wharton, 1988**

MAYO (West): Old Head, ♀ (holotype) 24.v.1942, AWS (USNM); DUBLIN: Glenasmole, 3♂♂ ♀ (paratypes) 18.v.1937 and 20.v.1949, AWS (USNM) (Wharton, 1988: p. 19 Old Head is erroneously given as being in County West Meath).

***Alysia (Anarcha) tipulae* (Scopoli, 1763)**

ANTRIM: Bushfoot, ♂ 3.vi.1938, AWS (USNM); Carnlough, ♀ 28.vi.1949, AWS (USNM);

DUBLIN: Glenasmole, 4♂♂ 15.v.1940, 5.vi.1940, 25.vi.1941 and 9.vi.1948, AWS (USNM); Jobstown, 5♂♂ 5-8.ix.1948 and 8-9.ix.1949, AWS (USNM); Johnstown, ♂ 23.v.1953, AWS (USNM); Killeen, 2♂♂ 5.x.1947 and 12.x.1949, AWS (USNM); Killeen, west of, ♀ 30.ix.1945, AWS (USNM); Sutton, ♂ 25.viii.1949, AWS (USNM) (all Wharton, 1988: p. 46); KERRY: Darrynane Road, ♂ 20.vii.1934, AWS (USNM); Killarney, 7 and 11.vi.1913, CM (IM) (unpublished record); KERRY (South): Blackstones, ♀ 11.vii.1934, AWS (USNM); KILDARE: Athgarrett, ♂ 23.viii.1939, AWS (USNM); Royal Canal, ♂ 23.ix.1949, AWS (USNM); LEITRIM: Agharoghil, ♀ 12.x.1937, AWS (USNM); south of Kinlough, ♀ 28.vii.1933, AWS (USNM); Tullaghan, 3♂♂ 4-10.vii.1936 and 8.x.1937, AWS (USNM); LIMERICK: Kiltteely (Kilteels), Cool Bog, ♀ 15.viii.1934, EOM (USNM); LOUTH: River Boyne, ♂ 30.vii.1939, AWS (USNM); MAYO (West): Old Head (given as being in County West Meath), 2♂♂ ♀ 2.vi.1942, AWS (USNM); MEATH: Moygaddy, ♂ 10.vii.1940, AWS (USNM); Trim District, ♂ 3.vii.1938, AWS (USNM); ROSCOMMON: Oakport, ♀ 13.v.1940, RCF (USNM); SLIGO: Lough Colgagh (L. Colg'agh), ♀ 15.x.1937, AWS (USNM); Streedagh, ♀ 9.vii.1936, AWS (USNM); Trawalua, ♀ 19.x.1937, AWS (USNM); WEXFORD: Clone, ♂ 14.vii.1929, AWS (USNM); Curracloe, Raven Point, 2♀♀ 17.vii.1937, AWS (USNM); Edenvale, ♂ 26.vii.1937, AWS (USNM); WICKLOW: Ballinaclea, ♂ 1.ix.1940, AWS (USNM); Blessington, ♀ 15.vi.1941, AWS (USNM); Enniskerry, ♂ 5.v.1935, Allen (USNM); Glencullen, ♂ 25.viii.1935, AWS (USNM); Glending, ♂ ♀ 14.vi.1939 and 4.x.1939, AWS (USNM); Kilmullin Glen, ♂ 15.v.1927, AWS (USNM); Killloughter, ♀ 11.vi.1950, AWS (USNM); Liffey Head, 1700 ft, ♀ 12.vi.1930, AWS (USNM); Manor Kilbride, ♀ 18.vi.1953, AWS (USNM); Monaglogh, ♂ 18.vii.1929, AWS (USNM); Pretty Bush, ♀ 18.ix.1952, AWS (USNM) (all Wharton, 1988: p. 46).

Ireland (Fischer, 1970: p. 5; Fischer, 1971: p. 59; Shenefelt, 1974: p. 954).

***Alysia truncator* (Nees von Esenbeck, 1812)**

DOWN: Tullybrannigan, ♀ 9.v.1961, AWS (USNM) (Wharton, 1986: p. 502); DUBLIN: Glenasmole, 4♂♂ 2♀♀ 23.v.1930, 18.v.1937, 1.v.1938 and 20.v.1949, AWS (USNM) (Stelfox, 1941a: p. 10; Wharton, 1986: p. 502).

Ireland (Shenefelt, 1974: p. 954).

***Alysia (Anarcha) umbrata* Stelfox, 1941**

synonym *Alysia sophia* var. *umbrata* Stelfox, 1941

DONEGAL (East): Drumchory, near Ballintra, in meadow behind sandhills, ♂ 2♀♀ (type series of *umbrata*) 5.viii.1938, AWS (Stelfox, 1941a: p. 13 as var. *umbrata*); SLIGO:

Trawalua, Cliffony, in plantation, ♀ 29.vii.1933, AWS (USNM) (Stelfox, 1941a: p. 13 as var. *umbrata*; Wharton, 1988: p. 48); WATERFORD: Ards, coast, ♀ 17.vi.1955, AWS (USNM) (Wharton, 1988: p. 48); WICKLOW: Vale of Clara, in oak *Quercus* wood, 4.ix.1938, AWS (USNM) (Stelfox, 1941a: p. 13 as var. *umbrata*; Wharton, 1988: p. 48).

***Amyras clandestina* (Haliday, 1839)**

KILDARE: Louisa Bridge, Leixlip, swept on margin of a field of turnips west of, ♂ 11.vii.1943 and ♂ 15.viii.1943, AWS (Stelfox, 1957a: p. 120; Griffiths, 1964: p. 889 there are 5♂♂ in the Haliday Collection probably from Lough Neagh, Northern Ireland).

Ireland (Haliday, 1839: p. 15 as *Alysia (Dacnusa)*, Northern Ireland; Marshall, 1897: p. 21 as *Dacnusa*; Nixon, 1937: p. 17 as *Dacnusa*; Nixon, 1954: p. 286, British Isles; Shenefelt, 1974: p. 1029; van Achterberg, 1997: p. 26, holotype ♀ from Northern Ireland (NMI)).

***Aphaereta cephalotes* (Haliday, 1833)**

synonym *Aphaereta minuta* var. *cephalotes* Haliday, 1833

DUBLIN: North Bull Island, salt marsh, May 1960-1963, BH, det AWS) (Healy, 1975: p. 236 as *Aphaerata minuta* var. *cephalota*; Speight and Healy, 1977: p. 153 as *Aphaerata minuta* (Haliday)).

Ireland (Haliday, 1838: p. 232 as *Alysia*, common in sea-weed, less common in woods; Marshall, 1894: p. 524; Stelfox, 1941a: p. 15 as typical form and as var. *cephalotes*, so often occurs amongst rotting sea-weed locally abundant on the sea-coast; Shenefelt, 1974: pp 959-960 as var. *cephalotes*; van Achterberg, 1997: p. 23 Irish lectotype ♀ (NMI)).

***Aphaereta falcigera* Graham, 1960**

DUBLIN: Killeen, ♂ (paratype) 5.x.1947, AWS (USNM) (Graham, 1960: p. 275).

Ireland (Shenefelt, 1974: p. 958).

***Aphaereta major* (Thomson, 1895)**

KILDARE: Sallins, River Liffey, 2♀♀ 17.v.1933, AWS; MAYO (West): Annagh, the Mullet, ♂ 20.vi.1936, AWS; WICKLOW: Raheen, ♂ 14.v.1937, AWS (all Nixon, 1939a: p. 63).

Ireland (Shenefelt, 1974: p. 958).

***Aphaereta tenuicornis* Nixon, 1939**

CAVAN: Farrinseer, ♂ 10.ix.1933, AWS; KILDARE: Bryanstown, 2♀♀ 4.viii.1937, AWS; LEITRIM: Tullaghan, ♂ 4.vii.1936, AWS; LONGFORD: Castle Forbes, ♂ 19.viii.1933, AWS; WEXFORD: Curraclloe, ♂ 3♀♀ 23-29.vii.1937, AWS; WICKLOW: Glencullen, ♀ 28.viii.1935, AWS; Glenmacnass, ♂ 17.vi.1932, AWS (all Nixon, 1939a: p. 63).

Ireland (Stelfox, 1941a: p. 15 frequent inland; Fischer, 1970: p. 7; Fischer, 1971: p. 68; Shenefelt, 1974: p. 963).

***Aristelix phoenicura* (Haliday, 1839)**

Ireland (Marshall, 1897: p. 3 as *Dacnusa*, taken once; Shenefelt, 1974: p. 1030 as *Aristelix phaenicura*; van Achterberg, 1997: p. 65 Irish holotype ♂ (NMI)).

***Asobara tabida* (Nees von Esenbeck, 1834)**

Ireland (Haliday, 1838: p. 237 as *Alysia*, rarely taken in Northern Ireland; Shenefelt, 1974, p. 965).

***Aspilota daemon* Stelfox and Graham, 1948**

ANTRIM: near Bushfoot, ♂ ♀ 3-8.vi.1938, AWS; DUBLIN: Glenasmole, ♀ (type) 22.v.1938, same locality, ♂ (allotype) 23.v.1940, ♂ 4.vi.1941, 2♀♀ 25.vi.1941, ♂ 24.vi.1942, AWS; Royal Canal, west of Clondalkin, ♂ 6.vi.1943, AWS; Slade of Saggart, ♂ 24.v.1939, AWS; St Anne's, Clontarf, ♀ 29.v.1936, EOM; KILDARE: Royal Canal, in a small plantation at Collinstown House, 2♀♀ 9.vii.1941, also ♂ ♀ 19.vi.1942, 2♂♂ ♀ 16.v.1943, 2♂♂ 4♀♀ 30.v.1943, 5♂♂ 4♀♀ 18.vi.1944, AWS; Rye Water, ♀ 5.vii.1942, AWS; TIPPERARY (South): Tipperary, plantation south of, ♂ 12.vi.1944, AWS; WICKLOW: at George's Bridge (River Slaney), ♂ 19.v.1940, AWS (all Stelfox and Graham, 1948: p. 106).

Ireland (Shenefelt, 1974: p. 971 ♀ (USNM)).

***Aspilota fuscicornis* (Haliday, 1838)**

Ireland (Haliday, 1838: p. 246 as *Alysia*; Marshall, 1895: p. 382; Stelfox, 1943b: p. 210 as *Alysia*, I have abundant material of my own collecting; Shenefelt, 1974: p. 973).

***Aspilota glabra* Stelfox and Graham, 1951**

KILDARE: Carton demense, swept under trees on roadside along the north boundary wall during heavy rain and gale, ♀ (type) 30.v.1948, AWS (Stelfox and Graham, 1951: p. 4).

Ireland (Shenefelt, 1974: p. 973 ♀ (USNM)).

***Aspilota jaculans* (Haliday, 1838)**

DUBLIN: Slade of Saggart, ♂ 22.viii.1935 and ♂ 22.vii.1936, AWS; Lucan, 2♂♂ 5.viii.1943, AWS; KILDARE: Landenstown, ♀ 6.viii.1939, AWS; SLIGO: Trawalua, ♂ 10.vii.1936, AWS; TIPPERARY (South): Ballinacourty, Glen of Aherlow, ♂ 15.ix.1943 and ♀ 3.vi.1944, AWS (Stelfox and Graham, 1950b: pp 11 and 12 Haliday mentions in his ms diary a second capture (no sex given) on 20.viii.1839, the locality by inference was near his home 'Clifden', Hollywood, Co. Down (the specimen has not been found in his collection)).

Ireland (Haliday, 1838: p. 246 as *Alysia*, very rare in Northern Ireland; Marshall, 1895: p. 379; Shenefelt, 1974: p. 974; van Achterberg, 1997: p. 50 Irish lectotype ♀ (NMI)).

***Aspilota macrops* Stelfox and Graham, 1951**

SLIGO: Lough Gill, south shore near Doonee Rock, ♀ (type) 15.x.1937, AWS (USNM) (Stelfox and Graham, 1951: p. 4).

Ireland (Shenefelt, 1974: p. 976 ♀ (USNM)).

[*Aspilota ruficornis* (Nees von Esenbeck, 1834)

Ireland (Haliday, 1838: p. 244 as *Alysia*, not yet seen in Ireland!; Shenefelt, 1974: p. 979).]

***Aspilota semicompressa* Stelfox and Graham, 1949**

DUBLIN: Glenasmole, ♂ (paratype) 25.viii.1937, AWS; Harold's Cross, at light in house, ♂ (paratype) 4.vii.1941, AWS; Grand Canal, west of Clondalkin, 2♀♀ (paratypes) 5.vii.1944, AWS; Grand Canal, west of Killeen, ♀ (paratype) 1.viii.1945, AWS; Merrion Square, ♀ (paratype) 25.viii.1945, AWS; KILDARE: Collinstown House, Royal Canal, ♂ and ♀ (paratypes) 30.vii.1944, AWS; Rye Water, Royal Canal, Leixlip, ♀ (type) 7.vii.1940, AWS; same locality, ♀ (paratype) 23.vii.1944, AWS; LAOIS: Portarlinton, by canal south of, ♂ (allotype) 26.vii.1936, AWS; TIPPERARY (South): Tipperary, south of, ♂ (paratype) 12.vi.1944, AWS; WICKLOW: Athdown, at *circa* 900 ft altitude, ♂ (paratype) 13.viii.1944, AWS; Bellevue, Delgany, ♀ (paratype) 11.vii.1945, AWS (all Stelfox and Graham, 1949: p. 74).

Ireland (Shenefelt, 1974: p. 980 ♀ (USNM)).

***Aspilota vernalis* Stelfox and Graham, 1951**

KILDARE: Naas, plantation south of, ♂ 14.v.1934, AWS; KILKENNY: River Barrow, near

'The Pink Rock' on the right bank below New Ross, 20.v.1934, AWS; WICKLOW: Devil's Glen, including ♀ (type) and ♂ (allotype), 20.v.1932, 15.v.1938 and 23.v.1948, AWS and MWVG; Manor Kilbride, in plantation at 700 ft alt., ♀ 1.vi.1949 and ♀ 4.vi.1949, AWS (Stelfox and Graham, 1951: p. 6).

Ireland (Shenefelt, 1974: p. 982 ♀ (USNM)).

***Chaenusa conjugens* (Nees von Esenbeck, 1812)**

KERRY: Tralee, ♂♂ 14.vi.1913, CM (IM); LIMERICK: Limerick, muddy places, ♂♂ 14-16.vi.1913, CM (IM) (all Morley, 1924: p. 254).

Ireland (Marshall, 1897: p. 31; Shenefelt, 1974: p. 1031; Hedqvist, 1978: p. 287 as *Chaenusa conjugens*).

***Chaenusa elongata* Stelfox, 1957**

TIPPERARY (South): Glen of Aherlow, swept from amongst grasses and sedges beneath rusty willow *Salix cinerea oleifolia* (*Salix atrocinerea*) on margin of a little pond in Ballinacourty woods, ♀ (type) 8.vi.1945, AWS (Stelfox, 1957a: p. 118).

Ireland (Shenefelt, 1974: p. 1032 ♀ (USNM)).

***Chaenusa lymphata* (Haliday, 1839)**

WEXFORD: Kilmore Quay, ♂ 22.viii.1898, AB (Morley, 1924: p. 254 as *Chorebus*, Co. Down is mentioned but Stelfox corrected it in a ms note to Co. Wexford).

Ireland (Haliday, 1839: p. 19 as *Alysia* (*Chorebus*), once captured in Northern Ireland in a grassy ditch; Marshall, 1897: p. 29 as *Chorebus*; Shenefelt, 1974: p. 1054 as *Chorebus*).

***Chaenusa naiadum* (Haliday, 1839)**

Ireland (Haliday, 1839: p. 18 as *Alysia* (*Chorebus*), in Northern Ireland on the banks of rivers and lakes, but not commonly; Marshall, 1897: p. 29 as *Chorebus*; Morley, 1924: p. 254 Northern Ireland; Shenefelt, 1974: p. 1032; Hedqvist, 1978: p. 287; van Achterberg, 1997: p. 60 Irish lectotype ♀ from Northern Ireland (RMNH)).

***Chaenusa nereidum* (Haliday, 1839)**

Ireland (Marshall, 1897: p. 28 as *Chorebus*, rarely; Shenefelt, 1974: p. 1032; Hedqvist, 1978: p. 287; van Achterberg, 1997: p. 61 Irish lectotype ♀ and paralectotype ♂ (RMNH)).

***Chaenusa opaca* Stelfox, 1957**

DUBLIN: Grand Canal, south-west of Gollierstown Bridge, taken on the margin of a water-

filled quarry-hole, ♀ 13.vii.1947, ♀ 31.viii.1947 and ♀ 1.ix.1949, AWS; WEXFORD: Ballinesker, north of Curracloe, taken on the margin of a small kettle-hole (or perhaps a marl-hole), 3♂♂ 3♀♀ (including ♀ type and ♂ allotype) July 1937, AWS (Stelfox, 1957a: p. 119). Ireland (Shenefelt, 1974: p. 1033 ♀ (USNM)).

***Chasmodon apterus* (Nees von Esenbeck, 1812)**

Ireland (Haliday, 1838: p. 215 as *Alysia* (*Chasmodon*); Marshall, 1894: p. 501; Shenefelt, 1974: p. 983).

***Chorebus albipes* (Haliday, 1839)**

Ireland (Haliday, 1839: p. 10 as *Alysia* (*Dacnusa*), very rare in woods; Marshall, 1897: p. 12 as *Dacnusa*; Morley, 1924: p. 198 as *Dacnusa*; Nixon, 1937: p. 77 as *Dacnusa*, also taken by Stelfox in Ireland; Nixon, 1946: p. 281 as *Dacnusa*; Shenefelt, 1974: p. 1036; van Achterberg, 1997: p. 13 Irish lectotype ♂ (NMI)).

***Chorebus alecto* (Morley, 1924)**

CLARE: Doolin, from puparia of *Phytomyza crassiseta* Zetterstedt (Diptera) in leaves of germander speedwell *Veronica chamaedrys*, 2♂♂ 2♀♀ em. 17-25.ix.1966, GCDG (Griffiths, 1984: p. 356); Killaloe, July; DUBLIN: Dublin, July; KERRY: Killarney, July (all Morley, 1924: p. 253 as *Rhizarcha*).

Ireland (Shenefelt, 1974: p. 1036).

***Chorebus alua* (Nixon, 1944)**

SLIGO: Trawallua, ♂ ♀ (type) 2.viii.1938, AWS; same locality, ♂ 24-29.vii.1938, GEJN (both Nixon, 1944: p. 147 as *Dacnusa*).

Ireland (Shenefelt, 1974: p. 1036 ♀ (USNM)).

***Chorebus ampliator* (Nees von Esenbeck, 1834)**

DUBLIN: Glenasmole, hogweed swept, ♂ 3♀♀ 25.vii.1951, also 4♀♀ 31.vii.1951, AWS (Stelfox, 1953a: p. 67 as *Dacnusa*); SLIGO: Trawallua, ♀ July 1933, GEJN (Nixon, 1937: p. 70 as *Dacnusa*; Nixon, 1946: p. 297 as *Dacnusa*).

Ireland (Shenefelt, 1974: p. 1037).

***Chorebus anasella* (Stelfox, 1952)**

CLARE: Bell Harbour, Bealaclogga, in saltmarsh, ♂ ♀ 11.viii.1955, AWS (Stelfox, 1957a: p. 119); Derreen, from puparia of *Phytomyza plantaginis* Robineau-Desvoidy (Diptera) in leaves

of sea plantain *Plantago maritima* collected on 10.ix.1966, 2♂♂ em. 16.ix.1966 and 17.v.1967, GCDG; Murrrough, from puparia of *Phytomyza plantaginis* in leaves of buck's-horn plantain *Plantago coronopus* collected on 31.viii.1966, 3♂♂ 4♀♀ em. 3-20.ix.1966, GCDG (Griffiths, 1984: p. 356); DOWN: Slidery Ford, 3 miles north of Newcastle, in saltmarsh, ♂ ♀ 6.ix.1955, AWS (Stelfox, 1957a: p. 119); DUBLIN: The North Bull, a long series swept along the inner margin of the salt-marsh behind the dunes, on the north shore of Dublin Bay, ♂♂ ♀♀ during May, August and early September 1943 onwards, AWS (Stelfox, 1951d: p. 321); the same locality, salt marsh, July-September 1960-1963, BH, det AWS (Healy, 1975: p. 236 as *Dacnusa*; Speight and Healy, 1977: p. 153 as *Dacnusa*); Broad Meadow Water, near Swords, in saltmarsh on the estuary, 2♂♂ ♀ 22.v.1952, AWS; KERRY (South): Dingle Promontory, in marsh on dunes below Stradbally, ♀ 3.vi.1946, AWS; MAYO (West): Dooaghtry, in marsh on dunes, ♀ 13.ix.1944; WICKLOW: The Murrrough, in brackish marshes by The Broad Lough and near Newcastle Station, ♂ 5.vi.1949 and ♂ 18.ix.1949, AWS (all Stelfox, 1957a: p. 119 these records suggest that the species is widespread in Ireland and only require looking for in the right type of ground near the coast).

Ireland (Shenefelt, 1974: p. 1037 ♀ (USNM)).

***Chorebus aphantus* (Marshall, 1895)**

DUBLIN: Bohernabreena, July, GEJN; KILDARE: Sallins, May, AWS; LIMERICK: Limerick, marshes, 15.vi.1913, CM (IM) (Morley, 1924: p. 252 as *Rhizarcha*); LONGFORD: Castle Forbes, July, GEJN; SLIGO: Markree, July, GEJN (all other records - Nixon, 1937: p. 37 as *Dacnusa*; Nixon, 1946: p. 283 as *Dacnusa*).

Ireland (Shenefelt, 1974, p. 1038).

***Chorebus apollyon* (Morley, 1924)**

LIMERICK: Limerick, by the River Shannon, ♂ mid June 1913 (Morley, 1924: p. 250 as *Dacnusa*).

****Chorebus asramenes* (Nixon, 1943)**

DUBLIN: Furry Glen, ♀ 20.viii.1936, AWS (NMI: det. GEJN).

New to Ireland.

***Chorebus bathyzonus* (Marshall, 1895)**

SLIGO: Bunduff, ♀ July, GEJN (Nixon, 1937: p. 19 as *Dacnusa*; Nixon, 1944: p. 91 as

Dacnusa).

Ireland (Shenefelt, 1974: p. 1040).

***Chorebus bres* (Nixon, 1944)**

CLARE: Mullagh More, from larva of *Agromyza spiraeae* Kaltenbach (Diptera) on wild strawberry *Fragaria vesca* collected on 10.vi.1965, 1 ex. em. 30.vi.1965, GCDG (Griffiths, 1966a: p. 567).

Ireland (Shenefelt, 1974: p. 1040).

***Chorebus brevicornis* (Thomson, 1895)**

synonym *Dacnusa chrysippe* Nixon, 1944

WICKLOW: Powerscourt, ♀ 20.vi.1937, EOM (Nixon, 1944: p. 95 as *Dacnusa chrysippe*).

Ireland (Shenefelt, 1974: p. 1040).

***Chorebus cinctus* (Haliday, 1839)**

Ireland (Marshall, 1897: p. 14 as *Dacnusa*, probably Ireland; Nixon, 1944, p. 254 as *Dacnusa*; Shenefelt, 1974: p. 1041).

***Chorebus crassipes* (Stelfox, 1954)**

CAVAN: Annagh Lake, Butlersbridge, ♀ (type) 18.v.1939, RCF (Stelfox, 1954: p. 160 as *Dacnusa*).

Ireland (Shenefelt, 1974: p. 1042 ♀ (USNM)).

***Chorebus credne* (Nixon, 1944)**

DUBLIN: Bohernabreena, ♀ 19-21.vii.1933, GEJN (Nixon, 1944: p. 251 as *Dacnusa*).

Ireland (Shenefelt, 1974: p. 1042).

***Chorebus crenulatus* (Thomson, 1895)**

synonym *Dacnusa elegantula* Nixon, 1937

DONEGAL (West): Malin Beg, ♂ August; MAYO (West): The Mullet, 2♂♂ 3♀♀ June; SLIGO: Bunduff, ♀ August, AWS; Streedagh (Streedaa), ♂ July, GEJN; Trawallua, August, AWS (Nixon, 1937: p. 41 as *Dacnusa elegantula*; and Nixon, 1945: p. 196 as *Dacnusa elegantula*).

Ireland (Shenefelt, 1974: p. 1043).

***Chorebus cyclops* (Nixon, 1937)**

DONEGAL (East): Bundoran, July, GEJN (Nixon, 1937: p. 29 as *Dacnusa*).

***Chorebus cytherea (Nixon, 1937)**

synonym *Chorebus tesmia* (Nixon, 1944)

KERRY (South): Slaheny Valley, ♀ 1.vii.1935, AWS (NMI: det. GEJN); LEITRIM:

Tullaghan, ♀ 4.vii.1936, AWS (NMI: det. GEJN); TIPPERARY (South): Ballinacourty, ♀
9.vi.1944, AWS (NMI: det. GEJN as *Chorebus tesmia*).

New to Ireland.

Chorebus diremtus (Nees von Esenbeck, 1834)

DUBLIN: Bohernabreena, July, GEJN; KERRY: Tralee, 14.vi.1913, CM (IM) (Morley, 1924:
p. 197 as *Dacnusa*); SLIGO: Trawallua, July, GEJN (Dublin and Sligo records - Nixon, 1937:
p. 28 as *Dacnusa*; Nixon, 1946: p. 279 as *Dacnusa*).

Ireland (Haliday, 1839: p. 12 as *Alysia (Dacnusa)*, in marshy places; Marshall, 1897: p. 17 as
Dacnusa; Shenefelt, 1974: p. 1045).

***Chorebus dirona (Nixon, 1945)**

KILDARE: Royal Canal, ♀ 18.vi.1944, AWS (NMI: *fide* GEJN).

New to Ireland.

Chorebus eros (Nixon, 1937)

DUBLIN: Bohernabreena, July, GEJN; Saggart, August, AWS; SLIGO: Bunduff, July, GEJN;
Trawallua, July, GEJN (all Nixon, 1937: p. 31 as *Dacnusa*).

Ireland (Shenefelt, 1974: p. 1046).

Chorebus esbelta (Nixon, 1937)

DUBLIN: Glenasmole, 10♂♂ ♀ June and July 1942, AWS; SLIGO: Bunduff, ♂ ♀ (type)
23.vii.1933, GEJN; Streedagh, ♀ 27.vii.1933, GEJN (all Nixon, 1949: p. 291 as *Gyrocampa*,
Mr Stelfox tells me that he takes this species commonly in Ireland).

Ireland (Nixon, 1937: p. 80 as *Dacnusa*, Stelfox takes this species in many Irish localities;
Shenefelt, 1974: p. 1046 ♀ (BMNH)).

***Chorebus fallax (Nixon, 1937)**

WESTMEATH: Riverdale, ♀ 20.vi.1937, AWS (NMI: *fide* GEJN).

New to Ireland.

***Chorebus flavipes* (Goureau, 1851)**

synonym *Chorebus raissa* (Nixon, 1937)

DONEGAL (East): Finner, ♂ 3♀ 10.viii.1933, AWS; Gubacreeeny, ♀ August, AWS;
LIMERICK: Killeely (Kitleely), ♀ August, EOM; MAYO (West): The Mullet, ♀ 21.vi.1936,
AWS; MEATH: Ratoath, ♂ 8.vii.1937, AWS; SLIGO: Streedagh, 2♂♂ ♀ (type) 27.vii.1933,
4♂♂ ♀ end of July (this total probably includes the other specimens), GEJN, GMS and AWS
(Nixon, 1937: p. 34 as *Dacnusa raissa*; Nixon, 1945: p. 222 as *Dacnusa raissa*).
Ireland (Shenefelt, 1974: p. 1047 ♀ of *Dacnusa raissa* (BMNH)).

***Chorebus foveolus* (Haliday, 1839)**

DUBLIN: Glenasmole, ♀ 27.vi.1939 and ♀ 9.viii.1944, AWS; KERRY (South): Glencar, ♀
1.vii.1934, AWS; LEITRIM: Tullaghan, 2♀♀ 4.vii.1936, AWS; WICKLOW: Athdown, ♀
24.vii.1938, AWS; Ballinceddin, ♀ 6.vii.1929, AWS; Tonelagee, 12-18,000 ft, 2♀♀
22.viii.1937, AWS (all Nixon, 1949: p. 294 as *Gyrocampa*).

Ireland (Haliday, 1839: p. 17 as *Alysia* (*Dacnusa*); Marshall, 1897: p. 25 as *Gyrocampa*;
Nixon, 1937: p. 79 as *Dacnusa*, this species appears to be commoner in Ireland than in
England and Stelfox has taken it in a number of localities; Shenefelt, 1974: p. 1047; van
Achterberg, 1997: p. 41 Irish lectotype ♀ from Northern Ireland (NMI)).

***Chorebus glaber* (Nixon, 1944)**

DUBLIN: Portrane, ♀ 27.vi.1926, AWS; Saggart, ♀ 8.ix.1935, AWS; KILDARE: near
Landenstown House, ♀ 6.viii.1939, AWS; KILKENNY: Kilkenny, ♂ 4.v.1936, AWS (all
Nixon, 1944: p. 103 as *Dacnusa glabra*).

Ireland (Shenefelt, 1974: p. 1048).

***Chorebus glabriculus* (Thomson, 1895)**

synonym *Dacnusa cortipalpis* Nixon, 1937

KERRY: Killarney, ♂ July, AWS; KERRY (South): Darrynane, marsh, ♂ ♀ 14-27.vii.1934,
AWS; KILDARE: Sallins, 2♀♀ June, AWS; MEATH: Lagore, ♂ June, AWS; SLIGO:
Bunduff, 4♀♀ July-August, AWS (Nixon, 1937: p. 35 as *Dacnusa cortipalpis*; Nixon, 1945: p.
223 as *Dacnusa cortipalpis*).

Ireland (Shenefelt, 1974: p. 1049 ♀ of *Dacnusa cortipalpis* (USNM)).

***Chorebus hirtigena* Stelfox, 1957**

KILDARE: Glending, west of Blessington, ♀ 15.ix.1938 and ♀ 17.ix.1955, AWS; MAYO (West): Lough Cahazy, south of Louisburg, ♀ 3.vi.1942, AWS; MEATH: River Boyne, below Trim, ♀ 20.vi.1937, AWS; TIPPERARY (South): Glen of Aherlow, pond in Ballinacourty woods, ♀ 28.ix.1943, AWS; WICKLOW: Athdown, ♀ 29.viii.1938 and ♀ 9.ix.1945, AWS; Ballystockan, ♀ 13.viii.1950, AWS; Connary, Vale of Avoca, ♀ (type) 16.x.1932, AWS; George's Bridge, River Slaney, ♂ 1.v.1949, AWS; Glenmalur, ♀ 29.v.1940, AWS; Woodend, near Blessington, ♂ 30.viii.1952, AWS (all Stelfox, 1957a: p. 113).

Ireland (Shenefelt, 1974: p. 1050 ♀ (USNM)).

***Chorebus humeralis* Griffiths, 1968**

DUBLIN: Glenasmole, ♀ (paratype) 2.vii.1942, AWS (USNM); LOUTH: Newtownbabe, ♂ (holotype) 30.vi.1962, AWS (USNM); WICKLOW: Killloughter, ♂ ♀ (paratypes) 15.viii.1951, AWS (USNM); same locality, ♂ (paratype) 11.vi.1953, AWS (USNM); The Murrough, 2♀♀ (paratypes) 28.viii.1954, AWS (USNM) (Griffiths, 1968: pp 90, 92 and 152).

Ireland (Shenefelt, 1974: p. 1051 ♂ (USNM)).

***Chorebus lanigerus* (Stelfox, 1957)**

TIPPERARY (South): Ballinacourty woods, Glen of Aherlow, swept on the margins of a small pond, ♀ (type) 28.v.1944, ♂ (allotype) 9.vi.1944, AWS (Stelfox, 1957a: p. 113 as *Gyrocampa*).

Ireland (Shenefelt, 1974: p. 1052 ♀ (USNM)).

***Chorebus larides* (Nixon, 1944)**

DUBLIN: Glenasmole, ♀ 24.vi.1938, AWS; WICKLOW: Blessington, ♀ 19.vi.1938, AWS (Nixon, 1944: p. 96 as *Dacnusa*).

Ireland (Shenefelt, 1974: p. 1052).

***Chorebus lateralis* (Haliday, 1839)**

DUBLIN: Saggart, August, AWS; KERRY: Carrantuohill (Carrantoel), 3000 ft, middle of June 1913, CM (IM) (Morley, 1924: p. 197 as *Dacnusa*); SLIGO: Markree, ♂ July, GEJN (Dublin and Sligo records - Nixon, 1937: p. 32 as *Dacnusa*; Nixon, 1944: p. 198 as *Dacnusa*).

Ireland (Marshall, 1897: p. 13 as *Dacnusa*, common; Shenefelt, 1974: p. 1052).

***Chorebus leptogaster* (Haliday, 1839)**

SLIGO: Trawallua, July, GEJN (Nixon, 1937: p. 18 as *Dacnusa*, Stelfox also has taken this species in Ireland; Nixon, 1944: p. 91 as *Dacnusa*).

Ireland (Haliday, 1839: p. 11 as *Alysia* (*Dacnusa*); Marshall, 1897: p. 16 as *Dacnusa*, somewhat rare; Shenefelt, 1974: p. 1053; van Achterberg, 1997: p. 52 Irish lectotype ♀ and paralectotypes 4♂♂ 5♀♀ (NMI)).

***Chorebus longicornis* (Nees von Esenbeck, 1812)**

synonym *Chorebus affinis* (Nees von Esenbeck, 1814)

DUBLIN: Saggart, October (Nixon, 1949: p. 294 as *Gyrocampa affinis*); LIMERICK:

Limerick, by no means uncommon on the mud of ditches near the river, ♂♂ 17.vi.1913 (Morley, 1924: p. 253 as *Gyrocampa affinis*).

Ireland (Nixon, 1937: p. 81 as *Dacnusa affinis*, Stelfox takes this species in Ireland; Shenefelt, 1974: p. 1035 as *Chorebus affinis*; Hedqvist, 1978: p. 288 as *Chorebus affinis*)).

***Chorebus lugubris* (Nixon, 1937)**

CLARE: Lough Goller, from larvae of *Agromyza nigripes* Meigen (Diptera) in leaf-mines of Yorkshire-fog *Holcus lanatus* collected on 13.vi.1965, 9 ex. em. 30.vi.-2.vii.1965, GCDG (Griffiths, 1984: p. 354); LONGFORD: Castle Forbes, ♀ July (Nixon, 1937: p. 36 as *Dacnusa*; Nixon, 1945: p. 219 as *Dacnusa*).

Ireland (Shenefelt, 1974: p. 1054).

***Chorebus merella* (Nixon, 1937)**

SLIGO: Trawallua, ♂ ♀ July, GEJN (Nixon, 1937: p. 26 as *Dacnusa*; Nixon, 1944: p. 145 as *Dacnusa*).

Ireland (Shenefelt, 1974: p. 1055).

***Chorebus miodes* Nixon, 1949**

DUBLIN: Glenasmole, 6♂♂ 6♀♀ 16.viii.1944, AWS (Nixon, 1949: p. 292 as *Gyrocampa*).

***Chorebus mitra* (Nixon, 1945)**

CLARE: Black Head, from larvae of *Phytomyza campanulae* Hendel (Diptera) on harebell *Campanula rotundifolia* collected on 11.vi.1965, 5♂♂ 12♀♀ em. 2-10.vii.1965 (15 ex.) and 9-11.iv.1966 (2 ex.), GCDG (Griffiths, 1966b: pp 869 and 951).

Ireland (Shenefelt, 1974: p. 1056).

***Chorebus nigriscaposus* (Nixon, 1949)**

synonym *Chorebus propodealis* (Nixon, 1949)

DUBLIN: Killeen, ♂ 29.vii.1945, AWS; SLIGO: Bunduff, ♂ 23.vii.1933, GEJN;

TIPPERARY (South): Ballincourty, 2♂♂ ♀ (type of *Chorebus nigriscaposus*) 3-11.vi.1944 and

♀ (type of *Chorebus propodealis*), 12.vi.1945, AWS; WEXFORD: Curraclloe, 4♂♂ ♀

21.vii.1937, AWS; WICKLOW: Athdown, ♂ 9.ix.1945, AWS; Magherabeg, ♀ 25.vii.1946,

AWS (all Nixon, 1949: p. 296 as *Gyrocampa*).

Ireland (Shenefelt, 1974: p. 1057 ♀ of *Chorebus nigriscaposus* and ♀ of *Chorebus propodealis* (USNM)).

****Chorebus ninella* (Nixon, 1945)**

KILDARE: Osberstown, ♀ 23.viii.1939, AWS (NMI: det. GEJN).

New to Ireland.

***Chorebus nobilis* Griffiths, 1968**

SLIGO: Cashegal, ♂ (paratype) 27.vi.1936, AWS (USNM) (Griffiths, 1968: p. 94).

Ireland (Shenefelt, 1974: p. 1058).

****Chorebus nomia* (Nixon, 1937)**

DOWN: Drinnahilly, ♀ 11.vii.1965, AWS (NMI: det GCDG).

New to Ireland.

***Chorebus nydia* (Nixon, 1937)**

ANTRIM: Bushfoot, ♂ ♀ 3.vi.1938, AWS; CARLOW: Bahana Wood, ♀ 9.vi.1935, AWS;

DOWN: Inch Abbey, ♂ ♀ 21.vi.1957, AWS; DUBLIN: Clondalkin, 2♂♂ 29.vi.1941, AWS;

Golliestown, ♂ 4.viii.1948, AWS; Lucan, ♀ 26.v.1948, AWS; LEITRIM: Lough Gill, ♀

11.vi.1959, AWS; Shriff near Drumahaire, ♀ 11.vi.1960, AWS; MEATH: River Boyne, ♀

30.vii.1939, AWS; WICKLOW: The Murrough, Killoughter, ♂ 16.viii.1940 and ♂ 2♀♀

5.vi.1949, AWS; Three Castles, ♀ 31.vii.1946, AWS (all Griffiths, 1964: p. 79).

Ireland (Shenefelt, 1974: p. 1058).

***Chorebus orbiculatae* Griffiths, 1967**

DUBLIN: Portrane, ♂ (paratype) 20.vii.1950, AWS (Griffiths, 1967: p. 671).

Ireland (Shenefelt, 1974: p. 1058).

****Chorebus ovalis* (Marshall, 1896)**

WEXFORD: Kiltrea Bridge, 5.viii.1929, AWS (NMI: det. GEJN).

New to Ireland.

****Chorebus parvungulus* (Thomson, 1895)**

synonym *Chorebus acco* (Nixon, 1943)

DUBLIN: Killeen, 2♂♂ 5.x.1947, AWS (NMI: *fide* GEJN as *Chorebus acco*).

New to Ireland.

***Chorebus petiolatus* (Nees von Esenbeck, 1834)**

Northern Ireland: no locality given, WFJ (Stelfox, 1957a: p. 119 as *Dacnusa petiolata*);

ANTRIM: Dunderave, between Bushmills and the Giant's Causeway, taken while sheltering from a rain-storm in a plantation, 2♂♂ ♀ 9.vi.1938, AWS (Stelfox, 1957a: p. 119 as *Dacnusa*).

Ireland (Shenefelt, 1974: p. 1060).

***Chorebus posticus* (Haliday, 1839)**

synonym *Chorebus gracilis* (Nees von Esenbeck, 1834) *nec* Curtis (1829)

SLIGO: Trawallua, 2♂♂ July, GEJN (Nixon, 1937: p. 24 as *Dacnusa*; Nixon, 1944: p. 149 as *Dacnusa gracilis*).

Ireland (Shenefelt, 1974: p. 1049 as *Chorebus gracilis*).

***Chorebus pulverosus* (Haliday, 1839)**

synonym *Chorebus marsyas* (Nixon, 1937)

DUBLIN: Lucan, ♀ 20.vii.1923, EOM; KILDARE: west of Leixlip, by Royal Canal, ♀ 14.vi.1942, AWS; WICKLOW: Athdown, ♀ 30.vii.1936, AWS (all Nixon, 1944: p. 100 as *Dacnusa marsyas*).

Ireland (Shenefelt, 1974: p. 1055 as *Chorebus marsyas*; van Achterberg, 1997: p. 69 Irish lectotype ♂ (NMI)).

***Chorebus punctus* (Goureaux, 1851)**

KERRY: Killarney, from larvae of *Phytomyza scolopendrii* Robineau-Desvoidy (Diptera) on polypody *Polypodium vulgare* collected on 6.ix.1966, ♂ 7♀♀ em. 9.ix.-5.x.1966, GCDG (Griffiths, 1984: p. 355).

***Chorebus risilis* (Nixon, 1949)**

WICKLOW: Glenealy, ♀ (type) 2.x.1932, AWS (Nixon, 1949: p. 297 as *Gyrocampa*).

Ireland (Shenefelt, 1974: p. 1062).

***Chorebus rotundiventris* (Thomson, 1895)**

"5♂♂ from the Haliday Collection (National Museum, Dublin) probably from Lough Neagh, Northern Ireland (found by Mr A. W. Stelfox in a series of insects above a label "L. Neagh" in Haliday's writing" (Griffiths, 1964: p. 889; Griffiths 1966a: p. 579).

Ireland (Shenefelt, 1974: p. 1062).

***Chorebus ruficollis* (Stelfox, 1957)**

WICKLOW: The Murrough, swept in the marshes by a track through the marsh about three-quarters of a mile north of the former Killoughter station, ♀ (type) 15.viii.1951, AWS; same locality, in marsh inside railway quarter mile south of Newcastle station, ♂ (allotype) 18.viii.1953, AWS; same locality, inside railway quarter mile south of Five Mile Point, ♀ 20.viii.1955, AWS (Stelfox, 1957a: p. 112 as *Gyrocampa*).

Ireland (Shenefelt, 1974: p. 1063 ♀ (USNM)).

***Chorebus rufimarginata* (Stelfox, 1954)**

KILDARE: between the Royal Canal and the Maynooth Road, just west of Louisa Bridge, swept from the margin of a cultivated field, ♂ (allotype) 15.viii.1943, ♂ 22.viii.1943, ♀ (type) 17.vii.1943, ♀ 18.vi.1944, AWS (Stelfox 1954: p. 162 as *Dacnusa*).

Ireland (Shenefelt, 1974: p. 1063 ♀ (USNM)).

***Chorebus scabrifossa* Stelfox, 1957**

DUBLIN: Brittas Ponds, AWS; Glenasmole, head of upper reservoir; Gollierstown, quarry holes; TIPPERARY (South): Glen of Aherlow, little pond in the Ballinacourty woods, ♀ (type) ♂ (allotype), AWS; WICKLOW: Buckroney, AWS; Magherbeg, AWS; The Murrough, in the coastal marshes, AWS (Stelfox, 1957a: p. 116 the dates of capture range from 28 May at Aherlow through June, July and August till 3 September at the Brittas Ponds, so that there must be several broods per annum.).

Ireland (Shenefelt, 1974: p. 1064 ♀ (USNM)).

***Chorebus senilis* (Nees von Esenbeck, 1814)**

DOWN: Newcastle, from puparia of *Napomyza scrophulariae* Spencer (Diptera) in stems of

common figwort *Scrophularia nodosa* collected on 19.ix.1964 on dunes, 2♀♀ em. 7-8.v.1965, also dead ♂, GCDG (Griffiths, 1967: pp 667 and 694); DUBLIN: North Bull Island, salt marsh, July 1960-1963, BH, det AWS (Healy, 1975: p. 236 as *Dacnusa*; Speight and Healy, 1977: p. 153 as *Dacnusa*); Terenure, 8.v.1902, S. Kemp (Morley, 1924: p. 197 as *Dacnusa*); SLIGO: Bunduff, August, AWS (Nixon, 1937: p. 42 as *Dacnusa*); WICKLOW: Coan, July, AWS; Glen of the Downs (given as Downs), July, AWS (both Nixon, 1937: p. 42 as *Dacnusa*; Nixon, 1944: p. 99 as *Dacnusa*, repeats his counties).
Ireland (Shenefelt, 1974: p. 1064).

***Chorebus siniffa* (Nixon, 1937)**

CORK (West): Ardnagashel, ♂ 25.vii.1935, AWS; DUBLIN: Glenasmole, ♀ 5.ix.1940, AWS; Phoenix Park, ♀ 18.vii.1945, AWS; KILDARE: Landenstown, 2♀♀ August 1939, AWS; Rye Water, ♀ 20.vii.1941, AWS; LEITRIM: no locality, 2♂♂ July 1933, GEJN; no locality, ♂ ♀ 27.vii.1933, GEJN; MEATH: Trim, ♀ 18.viii.1937, AWS; SLIGO: Streedagh, ♀ (holotype) 27.vii.1933, GEJN (BMNH); Trawallua, ♂ 2.viii.1938, AWS; TIPPERARY (South); Ballincourty, ♀ 1.vi.1944, AWS; WICKLOW: Athdown, ♂ 25.vii.1943 and ♂ 9.ix.1945, AWS (Nixon, 1937: p. 81 as *Dacnusa*; Nixon, 1949: p. 297 as *Gyrocampa*).
Ireland (Shenefelt, 1974: p. 1065 ♀ (BMNH)).

***Chorebus striola* Stelfox, 1957**

DUBLIN: Grand Canal, around the old water-filled quarry-holes, just south west of Gollierstown Bridge, 11♂♂ 3♀♀ 11.ix.1946 and 12.v.1948, AWS; WEXFORD: Ballinesker, north of Curraclloe, taken on the margin of a kettle-hole, ♂ (allotype) ♀ (type) July 1937, AWS (Stelfox, 1957a: p. 115).
Ireland (Shenefelt, 1974: p. 1066 ♀ (USNM); Hedqvist, 1978: p. 288).

***Chorebus sylvestris* Griffiths, 1967**

CLARE: Ballynalacken, from larvae and puparia of *Chromatomyia lonicerae* (Robineau-Desvoidy) (Diptera) on snowberry *Symphoricarpos albus* (*Symphoricarpos rivularis*) collected on 2.ix.1966, 10 ex. em. 2-18.ix.1966 and 7-15.iii.1967, GCDG; Poulavallan, from puparium of *Chromatomyia lonicerae* on honeysuckle *Lonicera periclymenum* collected on 30.viii.1966, ♀ em. 2.ix.1966, GCDG (Griffiths, 1984: p. 354).

***Chorebus talaris* (Haliday, 1839)**

CLARE: Poulavallan, from puparium of *Cerodontha (Poemyza) pygmaea* Meigen (Diptera) on false brome *Brachypodium sylvaticum (sylvaticum)* collected on 30.viii.1966, ♀ em. 1.ix.1966, GCDG (Griffiths, 1968: pp 71 and 146); DUBLIN: no locality; LONGFORD: Castle Forbes, July, GEJN (Nixon, 1937: p. 52 as *Dacnusa*; Nixon, 1954: p. 283 as *Etriptes*); WATERFORD: Waterford, 6.vi.1913, CM (Morley, 1924: p. 252 as *Rhizarcha*). Ireland (Haliday, 1839: p. 9 as *Alysia (Dacnusa)*; Marshall, 1897: p. 3 as *Dacnusa*; Shenefelt, 1974: p. 1067; van Achterberg, 1997: p. 80 Irish lectotype ♀ and paralectotypes 10♂♂ 4♀♀ (NMI)).

***Chorebus tenellae* Griffiths, 1966**

CLARE: Mullagh More, from larvae of *Phytomyza tenella* Meigen (Diptera) in seed capsules of marsh lousewort *Pedicularis palustris* collected on 29.viii.1966, ♀ em. 15.iii.1967, GCDG (Griffiths, 1984: p. 356).

****Chorebus thusa* (Nixon, 1937)**

MEATH: Trim, 20.vi.1937, AWS (NMI: det. AWS; conf. GEJN).

New to Ireland.

***Chorebus transversa* (Nixon, 1954)**

DUBLIN: Furry Glen, ♀ 22.ix.1935, AWS; KILDARE: Landenstown, ♀ 6.viii.1939, AWS; LEITRIM: Tullaghan, ♀ 4.vii.1936, AWS; WICKLOW: Devil's Glen, ♂ 24.vii.1940, AWS; Glencullen, ♀ 25.viii.1935, AWS; Killoughter, ♀ (type) 5.vi.1940, AWS; Powerscourt, ♀ 19.viii.1935, AWS (Nixon, 1954: p. 288 as *Dacnusa*).

Ireland (Shenefelt, 1974: p. 1068 ♀ (USNM)).

***Chorebus uliginosa* (Haliday, 1839)**

CLARE: Killaloe, on the banks of the River Shannon, 16-18.vi.1913, CM (IM) (Morley, 1924: p. 253 as *Gyrocampa*).

Ireland (Marshall, 1897: p. 26 as *Gyrocampa*, all over the British Isles; Shenefelt, 1974: p. 1069; Hedqvist, 1978: p. 288; van Achterberg, 1997: p. 85 Irish lectotype ♀ (RMNH)).

***Chorebus vitripennis* Griffiths, 1968**

DOWN: Murlough House, 8 paratypes 8.vi.-3.vii.1957, AWS (USNM; GCDG); DUBLIN: Portrane, paratype 23.viii.1935, AWS (USNM); The Island, 8 paratypes 10.vi.-22.vii.1943,

AWS (USNM); WICKLOW: Buckronev, 3 paratypes 5.vi.1949 and 21.vii.1950, AWS (USNM); Killougher, 4 paratypes 11.vi.1950 and 21.vi.1951, AWS (USNM) (Griffiths, 1968: pp 83 and 149 all from the coast, swept from marram grass *Ammophila arenaria*). Ireland (Shenefelt, 1974: p. 1070).

***Coelinidea elegans* (Curtis, 1829)**

synonym *Coelinus rufinotatus* (Curtis, 1829)

ARMAGH: Armagh, 19.v.1894, WFJ (Johnson, 1912: p. 79 as *Coelinus elegans* Haliday).

Ireland (Curtis, 1829: pl 289 as *Chaenon*, taken by [Haliday] in Ireland from July to September, in moist meadows; Marshall, 1899: p. 6 as *Coelinus*; Shenefelt, 1974: p. 1077 as *Coelinus*).

***Coelinidea gracilis* (Curtis, 1829)**

MAYO: Carrowmore, ♂♂, CM (IM); Louisburgh, ♂♂, CM (IM) (Morley, 1911: p. 17);

SLIGO: Enniscrone, on the sandhills, ♂ 2♀♀ August 1904, WFJ (Morley, 1907a: p. 160 as *Coelinus*); same locality and habitat, WFJ (Johnson, 1907: p. 246 as *Coelinus*); WEXFORD: Kilmore Quay (Kilmore), a pair 13 and 20.viii.1898, AB (Morley, 1924: p. 254 as *Coelinus*). Ireland (Curtis, 1829: pl 289 as *Chaenon*, taken by [Haliday] in Ireland, from July to September, in moist meadows; Haliday, 1839: p. 23 as *Alysia* (*Coelinus*), found very rarely in woods in Northern Ireland; Marshall, 1899: p. 6 as *Coelinus*; Shenefelt, 1974: p. 1077 as *Coelinus*).

***Coelinidea niger* (Nees von Esenbeck, 1814)**

DONEGAL: Coolmore, on sandhills at thistles, [1914] (Johnson, 1915: p. 133 as *Coelinus*).

Ireland (Haliday, 1839: p. 24 as *Alysia* (*Coelinus*) *nigra*; Shenefelt, 1974: p. 1072).

***Coelinidea podagrica* (Haliday, 1839)**

ARMAGH: Poyntzpass, on hill, June [1914], WFJ (Johnson, 1915: p. 133 as *Coelinus*).

Ireland (Haliday, 1839: p. 22 as *Alysia* (*Coelinus*), captured a ♂ at the end of July on a sandy shore near Dublin; Marshall, 1899: p. 3 as *Coelinus*; Shenefelt, 1974: p. 1078 as *Coelinus*; Hedqvist, 1978: p. 288 as *Coelinus*; van Achterberg, 1997: p. 67 Irish holotype ♂ from Portmarnock, Co. Dublin (NMI)).

***Coelinidea vidua* (Curtis, 1829)**

MAYO: Carramore (Carrowmore) Lake, July 1910 (Morley, 1924: p. 254 as *Coelinus*).

Ireland (Curtis, 1829: pl 289 as *Chaenon*, taken by [Haliday] in Ireland, from July to September, in moist meadows; Haliday, 1839: p. 22 as *Alysia (Coelinius)*, not uncommon in sandy places; Marshall, 1899: p. 3 as *Coelinius*; Shenefelt, 1974: p. 1079 as *Coelinius*).

***Coelinius parvulus* (Nees von Esenbeck, 1812) (Plate I)**

synonym *Coelinius anceps* (Curtis, 1829)

MAYO: Belclare, JNH; Clare Island, June 1909 and June 1911, JNH and WFJ; Louisburgh, CM (IM) (Morley, 1911: p. 17 as *Chaenon anceps*, common; Morley, 1924: p. 255 as *Chaenon anceps*).

Ireland (Curtis, 1829: pl 289 as *Chaenon anceps*, taken in Ireland [by Haliday], from July to September, in moist meadows; Marshall, 1899: p. 8 as *Chaenon anceps*, not very common but occurs occasionally in marshy places; Shenefelt, 1974: p. 1075 as *Coelinius anceps*).

***Coloneura stylata* Foerster, 1862**

synonym *Merites taras* Nixon, 1943

DUBLIN: Dublin City, taken on a window, ♀ 7.viii.1937, AWS; KILDARE: Kilkea Park, ♀ 10.ix.1940, AWS; Landenstown, ♀ 11.viii.1946, AWS; WICKLOW: Manor Kilbride, north east of Blessington, ♀ 13.vi.1951, AWS (all Stelfox, 1957a: p. 120 as *Merites taras*).

Ireland (Shenefelt, 1974: p. 1080).

***Cratospila circe* (Haliday, 1838)**

LAOIS: North of Woodbrook House and east of the Mountmellick Canal, in mixed scrub, ♀ 6.viii.1950, AWS (Stelfox, 1951c: p. 142).

Ireland (Shenefelt, 1974: p. 985).

***Dacnusa abdita* (Haliday, 1839)**

KERRY: Killarney, 7-13.vi.1913, CM (IM) (Morley, 1924: p. 250).

Ireland (Haliday, 1839: p. 13 as *Alysia (Dacnusa)*; Marshall, 1897: p. 22; Nixon, 1937: p. 54 as *Dacnusa*, Stelfox has taken this species in Ireland; Nixon, 1954: p. 263 as *Pachysema*, type (NMI); Shenefelt, 1974: p. 1082; van Achterberg, 1997: pp 10-11 lectotype ♀ (probably Irish) (NMI) and Irish paralectotype ♂ (RMNH)).

***Dacnusa areolaris* (Nees von Esenbeck, 1812)**

ARMAGH: Armagh (Johnson, 1904: p. 256 as *Rhizarcha*); DOWN: Brook Cottage, in derelict garden, 9.xii.1958, AWS (Stelfox, 1959a: p. 79); CLARE: Poulsallagh, from larvae and

puparia of *Phytomyza atricornis* Meigen (Diptera) on perennial sow-thistle *Sonchus arvensis* (42 ex.) and hemp-agrimony *Eupatorium cannabinum* (3 ex.) collected on 10.vi.1965, 45 ex. em. 19-27.vi.1965, GCDG (Griffiths, 1966b: p. 837); DUBLIN: North Bull Island, salt marsh, May-July 1960-1963, BH, det AWS (Healy, 1975: p. 236 as *Rhizarcha*; Speight and Healy, 1977: p. 153 as *Rhizarcha*).

Ireland (Nixon, 1937: p. 66 Stelfox takes this species abundantly in many Irish localities; Nixon, 1948: p. 217 as *Rhizarcha*; Shenefelt, 1974: p. 1084).

****Dacnusa confinis* Ruthe, 1859**

WICKLOW: Collinstown, ♀ 16.iv.1933, AWS (NMI: det. GEJN).

New to Ireland.

***Dacnusa cyclogaster* (Foerster, 1862)**

synonym *Dacnusa bellina* Nixon, 1937 (in part)

synonym *Toxelea bellina* (Nixon), Nixon, 1954 (in part)

(According to Griffiths, 1966b: p. 793 there are two subspecies *cyclogaster* Foerster and *umbellina* (Nixon, 1937)).

DUBLIN: Glenasmole, 11.x.1936 and 9.v.1955, AWS; KILDARE: Oberstown, June 1948, AWS; Royal Canal, Collinstown, 30.iv.1944 and 3.x.1945, AWS; KILKENNY: near Kilkenny, 22.iv.1935, AWS; SLIGO: no locality; Trawallua, holotype 24-29.vii.1935, (BMNH) (Nixon, 1954: p. 276 as *Toxelea bellina*; Nixon, 1954: p. 277 as *Toxelea umbellina*; Stelfox, 1957a: p. 120 as *Toxelea umbellina*; Griffiths, 1966b: p. 793 the holotype of *Exotela bellina* is an individual whose hind coxae are infuscated at their base, and whose scape, pedicel and first flagellar segment are pale, agreeing well with many of the specimens of *Exotela cyclogaster cyclogaster* Foerster bred from *Phytomyza* spp. on *Heracleum*).

Ireland (Shenefelt, 1974: pp 1101-1102 as *Exotela*).

***Dacnusa dives* (Nixon, 1954)**

DUBLIN: Glenasmole, ♂ 25.v.1937, AWS; SLIGO: Trawallua, ♂ 8.vii.1936, AWS (Nixon, 1954: p. 277 as *Toxelea*).

Ireland (Shenefelt, 1974: p. 1101 as *Exotela*).

***Dacnusa ergeteles* (Nixon, 1954)**

synonym *Dacnusa macrospila* (Haliday) *sensu* Nixon, 1937 (nec *Alysia* (*Dacnusa*) *macrospila* Haliday, 1839).

LEITRIM: no locality, ♂ (type of *Dacnusa ergeteles*) 27.vii.1933, GEJN (BMNH) (Nixon, 1937: p. 59 as *Dacnusa macrospila*; Nixon, 1954: p. 267 as *Pachysema ergeteles*; Griffiths 1966b: p. 811); LIMERICK: Limerick (Morley, 1924: p. 252 as *Rhizarcha macrospila*).

Ireland (Marshall, 1897: p. 10 as *Dacnusa macrospila*, very rare; Shenefelt, 1974: p. 1088 ♂ (BMNH)).

***Dacnusa euphrasiella* Griffiths, 1984**

CLARE: Doolin, from larvae of *Phytomyza affinis* Fallén (Diptera) in seed-capsules on the large-flowered *Euphrasia* collected on 28.viii.1966, 4♀♀ em. 5.vii.1967 (holotype) and 15-28.vii.1967, paratypes, GCDG (Griffiths, 1984: p. 351).

***Dacnusa evadne* Nixon, 1937**

DUBLIN: no locality; KILDARE: no locality; SLIGO: Lough Coloagh, ♀ August 1933, AWS; Streedagh, ♀ (holotype) July 1933, GEJN (BMNH); Trawallua, 2♂♂ July 1933, GEJN; WICKLOW: no locality (Nixon, 1937: p. 60; Nixon, 1954: p. 265 as *Pachysema*). Ireland (Shenefelt, 1974: p. 1089 ♀ (BMNH)).

***Dacnusa faeroeensis* (Roman, 1917)**

synonym *Rhizarcha lestes* (Nixon, 1937)

LAOIS: Tankardstown, 21.v.1933, AWS (NMI: unpublished record, det. GEJN).

Ireland (Nixon, 1948: p. 221 as *Rhizarcha lestes*; Shenefelt, 1974: p. 1089).

***Dacnusa fasciata* Stelfox, 1954**

SLIGO: marsh by Bunduff Lough (Mullaghmore), ♂ 23.vii.1933, AWS; WICKLOW: The Murrough, in the coastal marshes inland of the railway and just south of Newcastle Station, ♀ (type) 5.viii.1952, ♀ 7.viii.1953, ♂ 18.viii.1953, 2♂♂ (including allotype) ♀ 25.viii.1953, ♂ 25.v.1955 and ♂♂ ♀♀ August 1955, AWS (Stelfox, 1954: p. 164; Nixon, 1954: p. 273 as *Pachysema*; Stelfox, 1957a: p. 119 as *Pachysema*).

Ireland (Shenefelt, 1974: p. 1089 ♀ (USNM)).

***Dacnusa flavicoxa* (Thomson, 1895)**

LONGFORD: Castle Forbes, July, GEJN (Nixon, 1937: p. 51 under *Dacnusa melanocera*

Thomson, 1895 (misidentification), Stelfox has also taken this species in Ireland).

Ireland (Nixon, 1954: p. 281 as *Antrusa melanocera*; Shenefelt, 1974: p. 1102 as *Exotela*).

***Dacnusa gilvipes* (Haliday, 1839)**

LONGFORD: Castle Forbes, July, GEJN; SLIGO: Markree, July, GEJN (Nixon, 1937: p. 57 as *Dacnusa*, Stelfox has taken this species fairly commonly in Ireland; Nixon, 1954: p. 278 as *Toxelea*).

Ireland (Haliday, 1839: p. 13 as *Alysia (Dacnusa)*; Marshall, 1897: p. 23 as *Dacnusa*; Shenefelt, 1974: p. 1103 as *Exotela*).

***Dacnusa hospita* (Foerster, 1862)**

DUBLIN: Glenasmole, ♀ 25.v.1937 and ♀ 24.vi.1942, AWS; Lucan, ♀ 22.vi.1945, AWS; KILDARE: Kilkea Park, ♀ 4.vii.1937, AWS; Royal Canal, Collinstown, ♀ 12.vii.1942, AWS; MEATH: Rathoath, ♀ 10.vii.1937, AWS; WEXFORD: Ferns, ♀ 30.vii.1937, AWS; WICKLOW: Athdown, ♀ 10.viii.1947, AWS; on Thonelagee, above 1,000 ft, ♀ 22.viii.1937, AWS (All Stelfox, 1957a: pp 119-120 as *Aphanta*).

Ireland (Shenefelt, 1974: p. 1090).

***Dacnusa laeta* (Nixon, 1954)**

CLARE: Lough Goller, from larva of *Phytomyza calthophila* Hering (Diptera) on marsh-marigold *Caltha palustris* collected on 13.vi.1965, ♂ em. 7.vii.1965 and from larvae of *Phytomyza ranunculi* Schrank (Diptera) on meadow buttercup *Ranunculus acris (acer)* collected on 13.vi.1965, 18 ex. em. 8-12.vii.1965, GCDG; LEITRIM: Tullaghan, 2♂♂ ♀ 3.viii.1938, AWS; MAYO (West): The Mullet, ♂ 21.vi.1936, AWS (Nixon, 1954: p. 265 as *Pachysema*; Griffiths 1966b: p. 802).

Ireland (Shenefelt, 1974: p. 1090).

***Dacnusa laevipectus* (Thomson, 1895)**

synonym *Rhizarcha nox* Morley, 1924

CLARE: Killaloe, 1913 (Morley, 1924: p. 253 as *Rhizarcha nox*); Mullagh More, from larvae of *Phytomyza ranunculi* Schrank (Diptera) on lesser spearwort *Ranunculus flammula* collected on 10.vi.1965, 5 ex. em. 2-5.vii.1965, GCDG; Poulavallan, from larva of *Phytomyza glechomae* Kaltenbach (Diptera) on ground-ivy *Glechoma hederacea* collected on 14.vi.1965, 1 ex. em. 4.vii.1965, GCDG (Griffiths, 1966b: pp 840-841); DUBLIN: Terenure, S. Kemp and

CM, 1913 (Morley, 1924: p. 253 as *Rhizarcha nox*).

Ireland (Shenefelt, 1974: p. 1090).

***Dacnusa longiradialis* Nixon, 1937**

DUBLIN: Saggart, ♀ September 1935, AWS; Skeagh House (Skeag Ho), ♀ (holotype) 20.iv.1935, AWS; KERRY: Dunkerron, 4♀♀ 3♂♂ July 1935, AWS; WICKLOW: Borris (Boris), ♂ (allotype) 8.vi.1935, AWS (Nixon, 1937: p. 69; Nixon, 1948: p. 220 as *Rhizarcha*). Ireland (Shenefelt, 1974: p. 1092).

***Dacnusa lugens* (Haliday, 1839)**

Ireland (Nixon, 1937: p. 69 I know this species only from the type, and one female taken by Stelfox in Ireland; Nixon, 1948: p. 224 as *Rhizarcha*, taken by A. W. Stelfox; Shenefelt, 1974: p. 1092).

***Dacnusa macrospila* (Haliday, 1839)**

DUBLIN: no locality; TIPPERARY (South): no locality; WICKLOW; no locality (Nixon, 1954: p. 266 as *Pachysema*, type (NMI)).

Ireland (Haliday, 1839: p. 14 as *Alysia* (*Dacnusa*); Marshall, 1897: p. 10; Shenefelt, 1974: p. 1092).

****Dacnusa maculigastrus* Shenefelt, 1974**

synonym *Dacnusa maculata* (Nixon, 1944) preocc.

WICKLOW: Magherabeg, ♀ 25.vii.1946, AWS (NMI: det. GEJN as *Dacnusa maculata*).

New to Ireland.

****Dacnusa maculipes* (Thomson, 1895)**

DUBLIN: Ballinascorney, ♀ 15.vii.1945, AWS (NMI: det. GEJN); LEITRIM: Bundrowes, ♀ 1.viii.1933, AWS (NMI: det. GEJN); Tullaghan, ♀ 3.vii.1936, AWS (NMI: det. GEJN); SLIGO: Streedagh, ♀ 27.vii.1933, AWS (NMI: det. GEJN).

New to Ireland.

***Dacnusa melanocera* (Thomson, 1895)**

synonym *Exotela persimilis* (Nixon, 1954)

KILDARE: Landenstown, ♀ 11.viii.1946, AWS (NMI: unpublished record, det. GEJN as *Exotela persimilis*).

Ireland (Nixon, 1954: p. 282 as *Antrusa persimilis*; Shenefelt, 1974: p. 1104 as *Exotela*).

***Dacnusa melicerta* (Nixon, 1954)**

KILDARE: Brockgoh, ♀ 29.viii.1948, AWS; WICKLOW: Ballyhubbock, ♂ 14.v.1937, AWS; Magherabeg, ♀ 26.vii.1946, AWS; Woodend, ♀ 4.vi.1951, AWS (Nixon, 1954: p. 267 as *Pachysema*).

Ireland (Shenefelt, 1974: p. 1094).

***Dacnusa (Pachysema) metula* (Nixon, 1954)**

CLARE: Poulavallan, from larvae of *Phytomyza succisae* Hering (Diptera) on devil's-bit scabious *Succisa pratensis* collected on 12.vi.1965, ♂ 3♀♀ em. 5-12.vii.1965, GCDG (Griffiths, 1966b: p. 801); TIPPERARY (South): Ballinacourty woods, from a little pond, ♀ 28.v.1944 and ♀ 2.vi.1945, AWS; WICKLOW: The Murrough, ♂ 30.v.1954, AWS (all Stelfox, 1957a: p. 119 as *Pachysema*).

Ireland (Shenefelt, 1974: p. 1094).

***Dacnusa (Pachysema) monticola* (Foerster, 1862)**

synonym *Dacnusa mutia* Nixon, 1948

synonym *Dacnusa coracina* Stelfox, 1954

KILDARE: Morristownbiller, swept in marsh 1.5 miles west of Newbridge, ♀ 23.vi.1953, AWS; WICKLOW: Buckronev, swept in the great marsh behind the dunes south of Mizen Head, 2♀♀ (including type) 22.vii.1948, AWS (both Stelfox, 1954: p. 162 as *Dacnusa coracina*; Nixon, 1954: p. 273 as *Pachysema coracina*); The Murrough, in the marshes, ♂ 15.viii.1955, AWS (Stelfox, 1957a: p. 119 as *Pachysema mutia*, synonymises *Rhizarcha coracina* with *Pachysema mutia*).

Ireland (Shenefelt, 1974: pp 1094 and 1095, ♀ of *Dacnusa coracina* (USNM)).

***Dacnusa (Pachysema) nigropygmaea* Stelfox, 1954**

CLARE: Ballyeighter Lough, from the larvae of *Phytomyza affinis* Fallén (Diptera) on eyebright *Euphrasia artica borealis* (*Euphrasia brevipila*) collected on 3.ix.1966, 2♂♂ ♀ em. 10.v.-vii.1967, GCDG; same locality, from larvae of *Phytomyza affinis* on eyebright *Euphrasia micrantha* collected on 3.ix.1966, ♂ em. 1.v.1967, GCDG; Doolin, from larvae of *Phytomyza affinis* on the large-flowered *Euphrasia* collected on 28.viii.1966, 2♂♂ 2♀♀ em. 31.v.1967 and 16.vi.1967, GCDG; Fanore, from larvae of *Phytomyza affinis* on the large-flowered *Euphrasia* collected on 1.ix.1966, 2♀♀ em. 8-21.v.1967, GCDG (all Griffiths, 1984: p. 351); DUBLIN:

North Bull Island, ♂ (allotype) ♀ 27.viii.1951, AWS; Portrane, sandhills north of, 2♀♀ 27.vii.1948, AWS; KILDARE: Brockagh, west of Prosperous, ♀ 29.viii.1948, AWS; Royal Canal, near Collinstown House, ♀ 12.vii.1944, AWS; SLIGO: Streedagh, sand dunes, ♀ 9.viii.1938, AWS; Trawalua, sand dunes, ♀ (type) 7.viii.1938, AWS; WEXFORD: Curracloe, sand dunes, ♂ 16.vii.1937, AWS; WICKLOW: Athdown, swept on a dry sunny bank on the edge of an oat field at 900 ft altitude, 2♂♂ 20.viii.1944 and ♂ 30.viii.1944, AWS; Woodend, near Blessington, 660 ft, ♀ 29.ix.1951, AWS (Stelfox, 1954: pp 164-165 the earliest date of capture is 12 July and the latest 29 September; Nixon, 1954: p. 274 as *Pachysema*).

Ireland (Shenefelt, 1974: p. 1095).

***Dacnusa obesa* Stelfox, 1954**

DUBLIN: Brittas ponds, 780 ft altitude, ♂, AWS; Glenasmole, on the sandy flat (delta) at the head of the upper reservoir of the waterworks at 580 ft above sea level, swept a few specimens every year since 1937 including the allotype (♂) and the type (♀), AWS; Gollierstown, ♀, AWS; Grand Canal, west of Clondalkin, ♂ ♀, AWS; KERRY (North): Killarney, in the old ballast pit by the railway, ♀, AWS; KILDARE: River Barrow at Tankardstown below Athy, ♀, AWS; Royal canal west of Louisa Bridge, ♂, AWS; Rye Water, ♂, AWS; MEATH: River Boyne below Trim, ♂, AWS; SLIGO: Mullaghmore, by the south-west shore of Bunduff Lough, at almost sea level, ♀ 1932, ♂ 1933, AWS; WICKLOW: Buckronev, in marsh behind the dunes, ♀, AWS (Stelfox, 1954: p. 163 the earliest date of capture is May 22nd, the latest September 6th, but most specimens have been taken in July and August; Nixon, 1954: p. 272 as *Pachysema*).

Ireland (Shenefelt, 1974: p. 1095 ♀ (USNM)).

***Dacnusa ocyroe* Nixon, 1937**

DUBLIN: no locality; LEITRIM: no locality, ♀ (holotype), July 1933, GEJN (BMNH); WICKLOW: no locality (Nixon, 1937: p. 61; Nixon, 1954: p. 265 as *Pachysema*).

Ireland (Shenefelt, 1974: p. 1095 ♀ (BMNH)).

***Dacnusa plantaginis* Griffiths, 1967**

synonym *Dacnusa discolor*: Nixon, 1954 misident.

CLARE: Mullagh More, from larvae of *Phytomyza primulae* Robineau-Desvoidy (Diptera) on primrose *Primula vulgaris* collected on 10.vi.1965, 2♂♂ 3♀♀ em. 27.vi.1965-7.vii.1965,

GCDG (Griffiths, 1966b: p. 825 as *Dacnusa discolor*).

Ireland (Nixon, 1954: p. 270 as *Pachysema discolor* (Foerster, 1862), I have also seen two males and two females from Ireland (Stelfox Coll); Shenefelt, 1974: pp 1088 as *Dacnusa discolor* and 1096; Hedqvist, 1978: p. 287 as *Dacnusa discolor*).

***Dacnusa pubescens* (Curtis, 1826)**

Ireland (Nixon, 1937: p. 64 also from Ireland, A. W. Stelfox, associated with cabbage; Shenefelt, 1974: p. 1096).

***Dacnusa sibirica* Telenga, 1934**

CLARE: Poulnaclogh Bay, from puparia of *Chromatomyia asteris* (Hendel) (Diptera) on sea aster *Aster tripolium*, 4♂♂ 5♀♀ em. 7.ix.1966-4.x.1966, GCDG (Griffiths, 1984: p. 350 var *sibirica*, material has yellow legs); DOWN: Carlingford Lough, from puparia of *Phytomyza asteris* Hendel (Diptera) on *Aster tripolium* collected on 19.ix.1954, 3♂♂ ♀ em. 24.ix.1964 and 30.iv.-13.v.1965, GCDG; DUBLIN: North Bull, 3♂♂ 3♀♀ 2.viii.1944 and ♂ (type) 11.v.1949, AWS (Nixon, 1954: p. 271 as *Pachysema comis*; Griffiths 1966b: p. 824 Mr Stelfox has taken this subspecies (var. *comis* (Nixon, 1954)) at two localities in Ireland, the one already stated and the type locality, and p. 944).

Ireland (Shenefelt, 1974: p. 1097 as ssp *comis* ♂ (USNM)).

***Dacnusa soma* (Nixon, 1948)**

DOWN: Tollymore Park, near Newcastle, from the neighbourhood of a small rain-pool in a grassy ride through a plantation of larch *Larix decidua*, 7.x.1957, later in October 1957, from mid-September up to and including 16.xi.1958, AWS (Stelfox, 1958: p. 287 as *Rhizarcha*).

Ireland (Shenefelt, 1974: p. 1097).

***Dacnusa spinifer* (Nixon, 1954)**

DUBLIN: Glenasmole, ♀ 29.vi.1938, AWS (Nixon, 1954: p. 276 as *Toxelea*).

***Dacnusa stramineipes* (Haliday, 1839)**

Ireland (Haliday, 1839: p. 16 as *Alysia* (*Dacnusa*); Marshall, 1897: p. 19 common; Nixon, 1937: p. 64 Stelfox has taken this species; Nixon, 1948: p. 213 as *Rhizarcha*, taken by A. W. Stelfox; Shenefelt, 1974: p. 1098).

***Dacnusa sulcata* (Tobias, 1962)**

CLARE: Mullagh More, 4♂♂ 2♀♀ from larvae of *Phytomyza calthophila* Hering (Diptera)

12.vi.1965 on marsh-marigold *Caltha palustris*, em. 21-24.iii.1966, GCDG (Griffiths 1966b, p. 787 as *Exotela*, it is surprising that the Irish series did not emerge until the following spring from host larvae collected in early June. The host has two or more generations a year in Ireland, as elsewhere).

Ireland (Shenefelt, 1974: p. 1105 as *Exotela*).

***Dacnusa temula* (Haliday, 1839)**

Ireland (Haliday, 1839: p. 14 as *Alysia* (*Dacnusa*), Northern Ireland; Nixon, 1954: p. 269 as *Pachysema*, I have also examined two males from Ireland (Stelfox Coll.); Shenefelt, 1974: p. 1099 as *Pachysema*, Hedqvist, 1978: p. 287; van Achterberg, 1997: p. 80 Irish lectotype ♂ and paralectotypes ♂♂ (NMI)).

***Dapsilarthra apii* (Curtis, 1826)**

Ireland (Haliday, 1838: p. 240 as *Alysia*, Northern Ireland; Marshall, 1895: p. 368 as *Adelura*; Fischer, 1970: p. 12; Fischer, 1971: p. 79; Shenefelt, 1974: p. 987).

***Dapsilarthra florimela* (Haliday, 1838)**

CAVAN: Virginia, swept in mixed wood amongst bluebells *Hyacinthoides*, ♂ 30.v.1982, JMOC (NMI) (O'Connor *et al.*, 1991: p. 451 as *Adelurolo*); DOWN: Holywood ("Clifden"), 8.vii.1839 (van Achterberg, 1983a: p. 6 as *Adelurolo*); DUBLIN: Glenasmole (Konigsmann, 1959: p. 591); KILDARE: Rye Water, ♀ 9.viii.1981, JMOC (NMI) (O'Connor *et al.*, 1991: p. 451 as *Adelurolo*).

Ireland (Fischer, 1970: p. 13; Fischer, 1971: p. 81; Shenefelt, 1974: p. 988).

***Dapsilarthra sylvia* (Haliday, 1839)**

CLARE: Ballynalacken, from larvae and puparia of *Chromatomyia lonicerae* (Robineau-Desvoidy) (Diptera) collected on 2.ix.1966 on snowberry *Symphoricarpos albus* (*Symphoricarpos rivularis*), 8 ex. em. 25-27.ix.1966 and 10-14.iii.1967, GCDG (Griffiths, 1984: p. 344); DOWN: Newcastle (Konigsmann, 1959: p. 598).

Ireland (Haliday, 1839: p. 25 as *Alysia*, uncommon, found only in woods in Northern Ireland; Marshall, 1895: p. 368 as *Adelura*; Fischer, 1970: p. 14; Fischer, 1971: p. 88; Shenefelt, 1974: p. 990; van Achterberg, 1997: p. 79 Irish lectotype ♀ (NMV)).

***Dinotrema alua* (Stelfox and Graham, 1950)**

DUBLIN: Lucan, ♂ 5.viii.1943, AWS; SLIGO: Trawalua, ♂ 3♀ (including the type)

2.viii.1938, ♂ (allotype) 4.viii.1938, ♂ 7.viii.1938, ♂ 12.viii.1938, AWS (Stelfox and Graham, 1950b: p. 13 as *Aspilota*).

Ireland (Shenefelt, 1974: p. 967 as *Aspilota*, ♀ (USNM)).

***Dinotrema brevisimicornis* (Stelfox and Graham, 1948)**

DUBLIN: Sarsfield Estate, Lucan ♀ 25.vi.1944, AWS; Slade of Saggart, ♂ (allotype)

12.viii.1936, AWS; KILDARE: Royal Canal at Collinstown House, ♀ 16.viii.1942 and ♂

30.vii.1944, AWS; SLIGO: Trawalua (Cliffony), on sand-flat amongst birches and willows, ♀ (type) 10.vii.1936, AWS (all Stelfox and Graham, 1948: p. 104 as *Aspilota*).

Ireland (Shenefelt, 1974: p. 968 as *Aspilota*, ♀ (USNM)).

***Dinotrema concinnum* (Haliday, 1838)**

DUBLIN: Dalkey, 2.vii.1913, CM (IM).

Ireland (Haliday, 1838: p. 245 as *Alysia*; Marshall, 1895: p. 379 as *Aspilota*, rare; Shenefelt, 1974: p. 970 as *Aspilota*).

***Dinotrema concolor* (Nees von Esenbeck, 1814)**

DUBLIN: North Bull Island, salt-marsh, September 1960-1963, BH, det. AWS (Healy, 1975: p. 236 as *Aspilota*; Speight and Healy, 1977: p. 153 as *Aspilota*).

Ireland (Haliday, 1838: p. 247 as *Alysia*; Fischer, 1970: p. 37 as *Synaldis*; Fischer, 1971: p. 140 as *Synaldis*; Shenefelt, 1974: p. 1021 as *Synaldis*).

***Dinotrema denticulatum* (Stelfox and Graham, 1951)**

DONEGAL (East): Knather (between Ballyshannon and Belleek), ♀ (very large) 24.vii.1933, AWS; WICKLOW: Ballinlea, Glen of Imaal, ♂ (allotype) ♀ (type), 11.viii.1940, AWS (all Stelfox and Graham, 1951: p. 4 as *Aspilota*).

Ireland (Shenefelt, 1974: p. 971 as *Aspilota*, ♀ (USNM)).

***Dinotrema distractum* (Nees von Esenbeck, 1834)**

Ireland (Haliday, 1838: p. 247 as *Alysia*, taken with *Synaldis concolor*; Fischer, 1971: p. 141 as *Synaldis*; Shenefelt, 1974: p. 1022 as *Synaldis*).

***Dinotrema divisum* (Stelfox and Graham, 1950)**

DUBLIN: Glenasmole, ♀ 29.v.1938, ♀ 15.v.1940 and ♀ 18.vi.1941, AWS; Slade of Saggart, ♀ 12.viii.1936 and ♀ 20.vi.1943, AWS; KILDARE: Royal Canal (Collinstown House), ♀ 17.vii.1940, ♀ 20.vii.1940 and ♀ 30.vii.1940, AWS; MAYO (West): Old Head, ♀ 2.vi.1942,

AWS; MEATH: Trim by the River Boyne, ♀ (type) 18.viii.1937, GMS; TIPPERARY (South): Ballinacourty, Glen of Aherlow, ♂ (allotype) 21.ix.1943 and ♀ 24.v.1944, AWS; WESTMEATH: Riverdale, ♀ 11.ix.1938, AWS; WICKLOW: Athdown, ♀ 12.vi.1940, AWS; Ballinaclea, Glen of Imaal, ♀ 28.vii.1940, AWS; Powerscourt, 2♀♀ 7.vi.1940 and 2♂♂ 10.viii.1940, AWS (all Stelfox and Graham, 1950b: p. 13 as *Aspilota*).

Ireland (Shenefelt, 1974: p. 972 as *Aspilota*, ♀ (USNM)).

***Dinotrema falsificum* (Stelfox and Graham, 1950)**

DUBLIN: Glenasmole, ♀ 5.vi.1940, AWS; Slade of Saggart, ♀ 24.v.1939, AWS; KERRY (South): Dunkerron, ♀ 3.vii.1935, AWS; KILDARE: Royal Canal, Collinstown House, ♀ 30.v.1943, AWS; SLIGO: Trawalua, ♀ (type) 20.vii.1933, AWS, another ♀ with the same data but collected by GEJN; same locality, 2♀♀ 10.vii.1936 AWS, ♂ (allotype) ♀ 2.viii.1938, AWS (all Stelfox and Graham, 1950b: p. 12 as *Aspilota*).

Ireland (Shenefelt, 1974: p. 972 as *Aspilota*, ♀ (USNM)).

***Dinotrema liosomum* (Stelfox and Graham, 1951)**

DUBLIN: Glenasmole, ♂ ♀ 13.vi.1938, AWS; Lucan, ♀ 28.vi.1944, AWS; Slade of Saggart, 2♀♀ 26.vi.1943, AWS; KILDARE: Collinstown House, by the Royal Canal, ♀ 14.vi.1942 and 3♂♂ 2♀♀ (including type ♀ and allotype ♂) 16.v.1943, AWS (Stelfox and Graham, 1951: p. 7 as *Aspilota*).

Ireland (Shenefelt, 1974: p. 975 as *Aspilota*, ♀ (USNM)).

***Dinotrema nervosum* (Haliday, 1838)**

WICKLOW: no locality, ♂ 5♀♀, 16 June to 25 August, AWS; Glen of Imaal, ♀ 11.viii.1940, AWS (all Stelfox, 1943b: pp 208-209, 211 Irish ♀ (lectotype by AWS), AHH (NMI)).

Ireland (Haliday, 1838: p. 245 as *Alysia* (specific name missing but added in pencil by AWS); Shenefelt, 1974: p. 976 as *Aspilota*; Fischer, 1995: p. 723; van Achterberg, 1997: p. 61 Irish lectotype ♀ and paralectotypes ♀♀ (NMI)).

***Dinotrema pulvinatum* (Stelfox and Graham, 1949)**

ANTRIM: Carnlough Glen, ♀ (type) 29.vii.1931, AWS; DUBLIN: Ballinascorney House, in plantation at 1050 ft, ♀ (paratype) 15.vii.1945, AWS; Gollierstown, 4♀♀ (paratypes) 25.vii.1945, AWS; Lucan, 2♀♀ (paratypes) 22.vi.1945, AWS; Merrion Square, ♀ (paratype) 25.vi.1945, AWS; same locality, ♀ (paratype) 25.viii.1945, AWS; Phoenix Park, ♀ (paratype)

18.vii.1945, AWS; Whitehall House, Clondalkin, ♂ (paratype) 22.vii.1945, AWS; KILDARE: by the Royal Canal (Collinstown House), ♂ (allotype) 11.vii.1943, AWS; same locality, ♀ paratype 18.vi.1944, AWS; same locality, ♀ (paratype) 12.vii.1944, AWS; same locality, ♂ ♀ (paratypes) 20.vii.1944, AWS; same locality, ♀ (paratype) 30.vii.1944, AWS; same locality, 3♀♀ (paratypes) 8.vii.1945, AWS; WICKLOW: Athdown, ♀ (paratype) 25.vii.1943, AWS; Devil's Glen, ♀ (paratype) 16.vi.1940, AWS; Magherabeg, ♂ (paratype) 25.vii.1946, AWS; Russellstown, ♀ (paratype) 17.vii.1938, AWS (all Stelfox and Graham, 1949: p. 73 as *Aspilota*).

Ireland (Shenefelt, 1974: p. 979 as *Aspilota*, ♀ (USNM)).

***Dinotrema speculum* (Haliday, 1838)**

Ireland (Haliday, 1838: p. 241 as *Alysia*, very rare in Northern Ireland; Marshall, 1895: p. 370 as *Prosapha*; Shenefelt, 1974: p. 1018 as *Prosapha*; Fischer, 1970: p. 24 as *Prosapha*; Fischer, 1971: p. 132 as *Prosapha*; van Achterberg, 1988b: p. 34; van Achterberg, 1997: p. 77 Irish lectotype ♀ (NMI)).

[*Dinotrema vesparum* (Stelfox, 1943)]

Ireland (Shenefelt, 1974: p. 982 as *Aspilota*)

***Heterolexis balteata* (Thomson, 1895)**

DUBLIN: Slade of Saggart, swept from vegetation beside river, ♀ 7.viii.1981, JPOC (NMI); WEXFORD: Ballyhighland, swept in mixed wood, ♀ 14.vi.1982, JMOC (NMI) (O'Connor *et al.*, 1991: pp 451-452).

***Heterolexis dictynna* (Marshall, 1895)**

CARLOW: Borris, ♂, AWS; DUBLIN: no locality, 2♀♀, AWS (both Stelfox, 1941a: p. 14 as *Alysia* (*Adelura*)); WICKLOW: Athdown, ♂, AWS (All Stelfox, 1941a: p. 14 as *Alysia* (*Adelura*)).

Ireland (Fischer, 1970: p. 12 as *Dapsilarthra*; Fischer, 1971: p. 80 as *Dapsilarthra*; Shenefelt, 1974: p. 988 as *Dapsilarthra*).

***Idiasta maritima* (Haliday, 1838)**

Ireland (Haliday, 1838: p. 230 as *Alysia*, rare in shrivelled sea-weed on the sea-shore in Northern Ireland; Shenefelt, 1974: p. 994; van Achterberg, 1997: p. 57 Irish lectotype ♀ (NMI)).

***Idiolexis punctigera* (Haliday, 1838)**

Ireland (Haliday, 1838: p. 238 as *Alysia*, Northern Ireland; Marshall, 1894: p. 527 as *Phaenocarpa*; Shenefelt, 1974: p. 996).

***Laotris striatula* (Haliday, 1839)**

Ireland (Haliday, 1839: p. 8 as *Alysia* (*Dacnusa*) rare in Northern Ireland; Marshall, 1897: p. 5 as *Dacnusa*; Shenefelt, 1974: p. 1106; van Achterberg, 1997: p. 78 Irish lectotype ♂ and paralectotypes ♂♂ (NMI)).

***Leptotrema dentifemur* (Stelfox, 1943) (Fig. 2)**

DONEGAL (East): no locality; DUBLIN: no locality; KILDARE: Bryanstown House, near Celbridge, ♂ (allotype) ♀ (type) 4.viii.1937, AWS; LEITRIM: no locality; MEATH: no locality; ROSCOMMON: no locality; SLIGO: no locality; WESTMEATH: no locality; WICKLOW: no locality (all Stelfox, 1943a: p. 202 as *Aspilota*, 3 June to 14 October, the majority being in June, August or October).

Ireland (Shenefelt, 1974: p. 971 as *Aspilota*, ♀ (USNM); van Achterberg, 1988b: p. 42).

***Orthostigma longicorne* Königsmann, 1969**

Ireland: (Fischer, 1970: p. 16 "?"; Fischer, 1971: p. 110 "?"; Shenefelt, 1974: p. 998; Fischer, 1995: p. 697).

***Orthostigma maculipes* (Haliday, 1838)**

Ireland (Haliday, 1838: p. 246 as *Alysia*; Marshall, 1895: p. 380 as *Aspilota*; Fischer, 1970: p. 16; Fischer, 1971: p. 114; Shenefelt, 1974: p. 998).

***Orthostigma pumilum* (Nees von Esenbeck, 1834)**

Ireland (Haliday, 1838: p. 243 as *Alysia*; Shenefelt, 1974: p. 999).

***Panerema fulvicornis* (Haliday, 1838)**

DUBLIN: Balbriggan, ♀ 9.x.1932, AWS; Glenasmole, ♀ 13.vi.1938, ♀ 5.vi.1940 and ♀ 25.vi.1941, AWS; KILDARE: Athgarrett, ♀ 16.viii.1939, AWS; Landenstown, ♀ 23.vi.1946, AWS; MEATH: Royal Canal aqueduct over River Boyne, ♀ 15.vi.1928, AWS; SLIGO: Trawalua, ♀ 7.viii.1938, AWS (all Stelfox and Graham, 1950a: p. 292 as *Aspilota*).

Ireland (Haliday, 1838: p. 244 as *Alysia*, Northern Ireland; Marshall, 1895: p. 378 as *Aspilota*; Shenefelt, 1974: p. 972 as *Aspilota*, (NMV); van Achterberg, 1988b: p. 49).

***Panerema inops* Foerster, 1862**

DUBLIN: St Anne's, Clontarf, ♀ 21.vii.1928, EOM; GALWAY (West): Dog's Bay, Roundstone, ♀ 8.ix.1928, AWS; KILDARE: Landenstown, ♀ 28.viii.1946; SLIGO: Trawalua, ♀ 10.vii.1936, AWS; TIPPERARY (South): Aherlow, ♀ 17.ix.1943, AWS (all Stelfox and Graham, 1950a: p. 291 as *Aspilota*).

Ireland (Shenefelt, 1974: p. 974 as *Aspilota*; van Achterberg, 1988b: p. 48).

***Paraorthostigma rufiventre* (Nees von Esenbeck, 1814)**

DOWN: Rostrevor Wood, 1 ex. from wood speedwell *Veronica montana* (host *Phytomyza crassiseta* Zetterstedt (Diptera)), GCDG (Griffiths, 1966b: p. 782 as *Dapsilarthra*); KERRY: Killarney, ♀ 11.vi.1913, CM (Morley, 1933: p. 183 as *Adelura*); WICKLOW: Castle Howard (C. Howard) (Konigsmann, 1959: p. 596 as *Dapsilarthra*).

Ireland (Fischer, 1970: p. 13 as *Dapsilarthra*; Fischer, 1971: p. 87 as *Dapsilarthra*; Shenefelt, 1974: p. 989 as *Dapsilarthra*).

***Pentapleura angustula* (Haliday, 1838)**

Ireland (Marshall, 1894: p. 520; Fischer, 1970: p. 18; Fischer, 1971: p. 126; Shenefelt, 1974, p. 1001; van Achterberg, 1997: p. 15 Irish lectotype ♀ (NMI)).

***Pentapleura fuliginosa* (Haliday, 1838)**

Ireland (Haliday, 1838: p. 519 as *Alysia*, Northern Ireland; Fischer, 1970: p. 18; Fischer, 1971: p. 127; Shenefelt, 1974: p. 1002).

***Pentapleura pumilio* (Nees von Esenbeck, 1814)**

Ireland (Haliday, 1838: p. 229 as *Alysia*, common in wet meadows; Marshall, 1894: p. 521; Fischer, 1970: p. 19; Fischer, 1971: p. 130; Shenefelt, 1974: p. 1002).

***Phaenocarpa canaliculata* Stelfox, 1941**

ANTRIM: Larne, captured in automobile while passing through, ♀ (holotype) 31.vii.1931, AWS (Stelfox, 1941a: p. 8; van Achterberg (1988a, p. 57); DUBLIN: no locality; KILDARE: no locality; WICKLOW: no locality (Stelfox, 1944d: p. 234 ♂♂ ♀♀, various localities but none specified).

Ireland (Fischer, 1970: p. 21; Shenefelt, 1974: p. 1006).

***Phaenocarpa conspurcator* (Haliday, 1838)**

ARMAGH: Armagh (Johnson, 1904: p. 256 as *Phoenocarpa*); CARLOW: Cloughristick, swept

in small wood beside the River Barrow, ♀ 19.vi.1982, JMOC (NMI) (O'Connor *et al.*, 1991: p. 453).

Ireland (Haliday, 1838: p. 236 as *Alysia*; Marshall, 1894: p. 531; Shenefelt, 1974: p. 1006; van Achterberg, 1997: p. 28 Irish lectotype ♀ (NMI)).

***Phaenocarpa eugenia* (Haliday, 1838)**

Ireland (Haliday, 1838: p. 235 as *Alysia*, extremely rare in Northern Ireland; Marshall, 1894: p. 531; Shenefelt, 1974: p. 1007; van Achterberg, 1997: p. 36 Irish lectotype ♀ (NMI)).

***Phaenocarpa eunice* (Haliday, 1838)**

synonym *Phaenocarpa nimia* Stelfox, 1941

DUBLIN: Grand Canal near Clondalkin, from an overgrown drain parallel to the canal, ♀ 24.viii.1941, AWS (Stelfox, 1944b: p. 69); KILDARE: Glending, near Blessington, in a marsh, ♂ 15.ix.1938, AWS (Stelfox, 1941a: p. 6 as *Phaenocarpa nimia*); Grand Canal, near Landenstown House, ♂ 4.viii.1939 and 2♂♂ 23.viii. 1939, AWS (Stelfox, 1941a: p. 6 as *Phaenocarpa nimia*); Newtown Great near Glending, taken by sweeping a rather damp grassy spot beneath a hedge, ♂ 30.viii.1939, AWS (Stelfox, 1941a: p. 6 as *Phaenocarpa nimia*); SLIGO: Streedagh, in a marshy meadow behind the dunes, ♀♀ 27.vii.1933, AWS and GEJN (Stelfox, 1944b: p. 69).

Ireland (Haliday, 1838: p. 235 as *Alysia*, very rare in Northern Ireland; Marshall, 1894: p. 533; Shenefelt, 1974: p. 1008; van Achterberg, 1997: p. 36 Irish lectotype ♀ (NMI)).

***Phaenocarpa flavipes* (Haliday, 1838)**

Ireland (Haliday, 1838: p. 236 as *Alysia*; Marshall, 1894: p. 533; Fischer, 1970: p. 21; Shenefelt, 1974: p. 1008; van Achterberg, 1997: p. 40 Irish lectotype ♀ (NMI)).

***Phaenocarpa galatea* (Haliday, 1838)**

DUBLIN: Glenasmole, swept or beaten off *Salix* (both grey willow *S. cinerea* and eared willow *S. aurita* present), ♂♂ ♀♀ during May, AWS (Stelfox, 1941a: p. 14); Portmarnock, swept off *Salix* on the dunes, 3♀♀ (types) June, AHH (Stelfox, 1941a: p. 14); WICKLOW: Enniskerry, beaten from grey willow *Salix cinerea*, 2♂♂, AWS (Stelfox, 1941a: p. 14 as *Alysia* (*Phaenocarpa*)).

Ireland (Haliday, 1838: p. 238 as *Alysia*, taken only once on creeping willow *Salix repens argentea* (*Salix argenta*) growing on a sandy shore near Dublin; Marshall, 1894: p. 530;

Shenefelt, 1974: p. 1009 Portmarnock, Co, Dublin; van Achterberg, 1997: p. 44 Irish lectotype ♀ from Portmarnock, Co. Dublin (NMI)).

***Phaenocarpa livida* (Haliday, 1838)**

KERRY: Tralee, 14.vi.1913, CM (IM).

Ireland (Haliday, 1838: p. 237 as *Alysia*; Marshall, 1894: p. 534 rare; Fischer, 1970: p. 22; Shenefelt, 1974: p. 1010; van Achterberg, 1997: p. 53 Irish lectotype ♀ (NMI)).

***Phaenocarpa luteipes* Stelfox, 1950**

KILDARE: Grand Canal quarter mile east of Landenstown House, swept on southern bank, ♂ (allotype) 30.viii.1939, ♂ 27.ix.1939 and ♀ (type) 25.ix.1949, AWS (Stelfox, 1950: p. 354).

Ireland (Shenefelt, 1974: p. 1010).

***Phaenocarpa maria* (Haliday, 1838)**

Ireland (Haliday, 1838: p. 238 as *Alysia*, very rare in Northern Ireland; Marshall, 1894: p. 529; Shenefelt, 1974: p. 1011; van Achterberg, 1997: p. 57 Irish paralectotype ♀ from Holywood, Co. Down (NMI)).

***Phaenocarpa nina* (Haliday, 1838)**

Ireland (van Achterberg, 1997: p. 62 Irish lectotype ♀ (NMI)).

***Phaenocarpa notabilis* Stelfox, 1944**

TIPPERARY (South): Castlereagh House, Ballinacourty, Glen of Aherlow, swept among sedges, mint and other waterside plants and bushes of *Salix*, *Betula* etc. on the edge of a small pond in woods, 3♂♂ (syntypes) 9 and 11.vi.1944, AWS (Stelfox, 1944e: p. 234).

Ireland (Shenefelt, 1974: p. 1011).

***Phaenocarpa picinervis* (Haliday, 1838)**

TIPPERARY: Killaloe, 15-18.vi.1913, CM (IM).

Ireland (Haliday, 1838: p. 233 as *Alysia*, rather common in damp shady places; Marshall, 1894: p. 528; Fischer, 1970: p. 22; Shenefelt, 1974: p. 1012; van Achterberg, 1997: p. 65 Irish lectotype ♀ and paralectotypes ♂♂ ♀♀ (NMI)).

***Phaenocarpa pullata* (Haliday, 1838)**

Ireland (Haliday, 1838: p. 233 as *Alysia*, Northern Ireland; Marshall, 1894: p. 526 rare; Shenefelt, 1974: p. 1013; van Achterberg, 1997: p. 69 lectotype ♀ (NMI), probably Irish).

***Phaenocarpa ruficeps* (Nees von Esenbeck, 1814)**

CARLOW: Cloughristick, swept from vegetation, ♀ 19.vi.1982, JMOC (NMI) (O'Connor *et al.*, 1991: p. 453); DONEGAL: Coolmore, on sandhills at thistles, [1914], WFJ (Johnson, 1915: p. 133); KERRY: Killarney, 7-13.vi.1913, CM (IM).
Ireland (Shenefelt, 1974: p. 1014).

***Phaenocarpa tacita* Stelfox, 1941**

DUBLIN: Glenasmole, ♀ (holotype) 25.v.1938, AWS; Slade of Saggart, ♂ (allotype) 24.v.1939, AWS; no locality, one, AWS; KILDARE: no locality, one, AWS; SLIGO: no locality, one, AWS; WEXFORD: no locality, one, AWS; WICKLOW: no locality, one, AWS (all Stelfox, 1941a: p. 10 specimens captured between 24 May and 19 September).
Ireland (Fischer, 1970: p. 24; Shenefelt, 1974: p. 1016 ♀ (USNM); van Achterberg, 1988b: p. 59).

***Phaenocarpa trisulcata* Stelfox, 1950**

WICKLOW: Magherabeg, swept from rusty willow *Salix cinerea oleifolia* (*Salix atrocineria*) at south-east corner of lagoon behind sandhills, 11♂♂ (including allotype) ♀ (type) 24.vi.1948, AWS; Woodend, swept under trees on the south shore of the new Poulaphuca Reservoir near Blessington, ♂ 24.ix.1949 and ♀ 10.viii.1950, AWS (Stelfox, 1950: p. 355).
Ireland (Shenefelt, 1974: p. 1017).

***Protodacnusa litoralis* Griffiths, 1964**

DONEGAL (East): Isle of Dough, ♂ (holotype) 21.vi.1955, AWS; DONEGAL (West): Ards, ♂ (paratype) 17.vi.1955, AWS (Griffiths, 1964: p. 896 both specimens were taken on the coast, the holotype in a sheltered hollow on top of low cliffs and the paratype at the foot of cliffs behind a fringe of dunes, and p. 903).
Ireland (Shenefelt, 1974: p. 1108 ♂ (USNM)).

***Protodacnusa tristis* (Nees von Esenbeck, 1834)**

synonym *Alysia ampliator*: Haliday, 1839 misident.
SLIGO: Trawallua, ♀ July, GEJN (Nixon, 1937: p. 70 as *Dacnusa ampliator* Nees von Esenbeck, 1834).
Ireland (Haliday, 1839: p. 8 as *Alysia* (*Dacnusa*) *ampliator*; Shenefelt, 1974: p. 1108).

***Pterusa ruficollis* (Stelfox and Graham, 1950)**

DUBLIN: Glenasmole, ♂ 25.viii.1937, AWS; Slade of Saggart, ♂ 20.vi.1943, AWS;
KILDARE: Kilkea Park, ♂ (allotype) 4.vii.1937, AWS; WICKLOW: Athdown, ♀ (type)
25.viii.1938, AWS (all Stelfox and Graham, 1950a: pp 292-293 as *Aspilota*).
Ireland (Shenefelt, 1974: p. 979 ♀ (USNM); van Achterberg, 1988b: p. 53).

***Syncrasis fucicola* (Haliday, 1838)**

Ireland (Haliday, 1838: p. 217 as *Alysia*, common in dry sea-weed on the coast; Marshall,
1894: p. 503; Shenefelt, 1974: p. 1025; Hedqvist, 1978: p. 287; van Achterberg, 1997: p. 41
Irish lectotype ♀ (NMI) and paralectotype ♀ (RMNH)).

***Syncrasis halidayi* (Foerster, 1862)**

synonym *Syncrasis fuscipes* Haliday, 1838 misident.

Ireland (Haliday, 1838: p. 217 as *Alysia fuscipes*, with *Syncrasis fucicola* in dry sea-weed on
the coast; Shenefelt, 1974: p. 1025 replacement name for *Alysia (Alysia) fuscipes* Haliday, 1838
(not *fuscipes* Nees von Esenbeck); van Achterberg, 1997: p. 45 Irish lectotypes ♀♀ (NMI,
RMNH)).

***Synelix semirugosa* (Haliday, 1839)**

Ireland (Haliday, 1839: p. 7 as *Alysia (Dacnusa)*; Marshall, 1897: p. 4 as *Dacnusa*; Shenefelt,
1974: p. 1112; Fischer, 1976: p. 12).

***Tanycarpa bicolor* (Nees von Esenbeck, 1814)**

synonym *Tanycarpa ancilla* (Haliday, 1838)

Ireland (Haliday, 1838: p. 227 as *Alysia ancilla*; Marshall, 1894: p. 518 as *Tanycarpa ancilla*;
Fischer, 1970: p. 39 as *Tanycarpa ancilla*; Fischer, 1971: p. 148 as *Tanycarpa ancilla*;
Shenefelt, 1974: p. 1026 as *Tanycarpa ancilla*).

***Tanycarpa gracilicornis* (Nees von Esenbeck, 1814)**

Ireland (Haliday, 1838: p. 228 as *Alysia*, in woods in Northern Ireland; Marshall, 1894: p.
518; Shenefelt, 1974: p. 1026).

***Tanycarpa mitis* Stelfox, 1941**

KILDARE: Athgarrett House, swept at late evening in an old lane, ♂ ♀ (holotype), AWS
(Stelfox, 1941a: p. 5).

Ireland (Fischer, 1971: p. 153; Shenefelt, 1974: p. 1027 ♀ (USNM)).

***Tanycarpa rufinotata* (Haliday, 1838)**

Ireland (Haliday, 1838: p. 227 as *Alysia*; Shenefelt, 1974: p. 1027 as *Alysia*; van Achterberg, 1997: p. 74 probable Irish lectotype ♀ (NMI)).

***Trachionus hians* (Nees von Esenbeck, 1816)**

Ireland (Haliday, 1839: p. 5 as *Alysia* (*Oenone*), in osier-beds in Northern Ireland; Marshall, 1895: p. 390 as *Oenone*; Shenefelt, 1974: p. 1109 as *Symphya*).

***Trachionus mandibularis* (Nees von Esenbeck, 1814)**

Ireland (Haliday, 1839: p. 4 as *Alysia* (*Oenone*); Marshall, 1895: p. 390 as *Oenone*; Shenefelt, 1974: p. 1110 as *Symphya*).

***Trachionus ringens* (Haliday, 1839)**

WEXFORD: Curracloe, swept from sand-dune vegetation, ♀ 9.vi.1982, JPOC (NMI) (O'Connor *et al.*, 1991: p. 453 as *Symphya*).

Ireland (Haliday, 1839: p. 4 as *Alysia* (*Oenone*), Northern Ireland; Marshall, 1895: p. 391 as *Oenone*, rare; Shenefelt, 1974: p. 1111 as *Symphya*; van Achterberg, 1997: p. 73 Irish lectotype ♂ (NMI)).

***Trachyusa aurora* (Haliday, 1838)**

DOWN: Tollymore Park, 16.vii.1961, AWS (NMI); Tullybrannigan, 16.vii.1957, AWS (NMI); SLIGO: Trawalua, 22.vi.1959, AWS (NMI); WEXFORD: Castlebridge, 18.vii.1937, AWS (NMI); WICKLOW: Athdown, 24.vii.1939, AWS (NMI) (all van Achterberg and O'Connor, 1990: p. 109).

Ireland (Haliday, 1838: p. 218 as *Alysia*, Southern Ireland in August; Marshall, 1894: p. 504; Fischer, 1970: p. 40; Shenefelt, 1974: p. 1028).

***Trachyusa nigrothoracica* van Achterberg and O'Connor, 1990**

CAVAN: Cauhoo, ♂ (paratype) 21.vi.[19]42, RCF (NMI); WATERFORD: Ballin Lough, ♂ (paratype) 4.vii.1989, JMOC (NMI); WICKLOW: Glen of [the] Downs, ♂ (paratype) 15.vii.[19]40, BPB (NMI) (all van Achterberg and O'Connor, 1990: p. 109).

APHIDIINAE HALIDAY, 1833

***Aphidius avenae* Haliday, 1834**

Ireland (Beirne, 1942a: p. 283 no precise locality given. The specimens were bred from

Anuraphis roseus Baker collected at one or all the following sites:- Finglas, Seapoint, Trinity College, all Co. Dublin and Kilruddery, Co. Wicklow).

***Aphidius ervi* Haliday, 1834**

synonym *Aphidius ulmi* Marshall, 1896

Ireland (Beirne, 1942a: p. 284 as *Aphidius ulmi*).

[*Aphidius loniceræ* Marshall, 1896

Ireland (Mackauer, 1968: p. 49 based on Beirne, 1942a: p. 284 as *Aphidius ulmi*)]

***Aphidius matricariae* Haliday, 1834**

DUBLIN: North Bull Island, occasional, July 1960-1963, BH (Healy, 1975: p. 236; Speight and Healy, 1977: p. 153).

Ireland (Beirne, 1942a: p. 283 no precise locality given. The specimens were bred from *Anuraphis roseus* Baker collected at one or all the following sites:- Finglas, Seapoint, Trinity College, all Co. Dublin and Kilruddery, Co. Wicklow).

***Aphidius rosae* Haliday, 1834**

Ireland (Curtis, 1831: pl 383).

***Binodoxys centauræ* (Haliday, 1833)**

Ireland (Beirne, 1942a: p. 284 as *Trioxys*).

***Binodoxys letifer* (Haliday, 1833)**

Ireland (van Achterberg, 1997: p. 52 Irish lectotype ♀ and paralectotypes (NMI)).

***Binodoxys minutus* (Haliday, 1833)**

Ireland (van Achterberg, 1997: p. 59 Irish lectotype ♀ (NMI)).

***Ephedrus (Breviephedrus) brevis* Stelfox, 1941**

synonym *Ephedrus picticornis* Stelfox, 1941

synonym *Ephedrus niger* Stelfox, 1941 nom. nud.

Ireland: "certainly Irish", ♀, AHH; CAVAN: Drumcarban, ♀ 5.vi.1942, RCF; Farnham, sweeping beneath and in birches *Betula*, ♂♂ ♀♀ 16-19.v.1940, RCF; Gartinardress, sweeping beneath and in birches, ♂♂ ♀♀ 16-19.v.1940, RCF; Nahilla (Nahillagh) Park, sweeping beneath and in birches, ♂♂ ♀♀ 16-19.v.1940, RCF; DOWN: Holywood, in neighbourhood of, ♀ (holotype of *Ephedrus brevis*), AHH; WESTMEATH: Ballyhealy, amongst scrub on a cut-away bog, ♀ (paratype of *Ephedrus picticornis*) 29.v.1932, AWS; WICKLOW: Deputy's Pass,

in the oak-wood (now cut down) on the east side, ♂ (allotype of *Ephedrus brevis*) ♀ 1.v.1932, AWS; same locality, 2♀♀ (paratypes of *Ephedrus brevis*) 8.v.1932, AWS; Kippure House, in birch scrub on site of a cut down plantation in the upper Liffey basin just west of, ♀ (type of *Ephedrus picticornis*) 7.vi.1932, AWS; same locality, ♀ (paratype of *Ephedrus picticornis*) 13.vi.1937, AWS; same locality, 2♀♀ (paratypes of *Ephedrus picticornis*) 24.ix.1939, AWS; Vale of Clara, in the oak-wood on the north side below Clara Bridge, 3♀♀ (paratypes of *Ephedrus brevis*) 13 May 1934, AWS (all Stelfox, 1941c: p. 138 as *Ephedrus picticornis* and pp 140-141 as *Ephedrus brevis*; Stelfox, 1944f: p. 236 as *Ephedrus brevis* and *Ephedrus picticornis*; Gärdenfors, 1986: pp 38-39 examined holotype of *Ephedrus picticornis* (NMI) and *Ephedrus brevis* (USNM)).

Ireland (Mackauer, 1968: p. 9; van Achterberg, 1997: p. 20 Irish holotype of *Ephedrus brevis* (NMI)).

***Ephedrus (Ephedrus) lacertosus* (Haliday, 1833)**

DONEGAL (West): no locality; DUBLIN: Glenasmole, ♀ 2.vii.1942, AWS (BMNH); KERRY (South): no locality; KILDARE: no locality; LEITRIM: no locality; MAYO (East): no locality; MEATH: no locality; SLIGO: no locality; WESTMEATH: no locality; WEXFORD: no locality; WICKLOW: no locality (Stelfox, 1941c: p. 136 dates of capture from 24 April to 6 October - the majority being in May; Gärdenfors, 1986: pp 82 and 84).

Ireland (van Achterberg, 1997: p. 50 paralectotypes ♀♀ probably Haliday and from Ireland (NMI)).

***Ephedrus (Ephedrus) laevicollis* (Thomson, 1895)**

synonym *Ephedrus minor* Stelfox, 1941

DUBLIN: Dublin, rose, ♂, AHH; Harold's Cross, ♀ June 1921, AWS (all Stelfox, 1941c: p. 135 as *Ephedrus plagiator* var *minor*); 'The Island', Malahide, swept amongst burnet rose *Rosa pimpinellifolia* (*Rosa spinosissima*) on the sandhills, ♂ ♀ 10.vi.1943, AWS (Stelfox, 1944f: p. 236 as *E. minor*).

Ireland (Mackauer, 1968: p. 9 as *Ephedrus minor*; Gärdenfors, 1986: p. 80).

***Ephedrus (Ephedrus) persicae* Froggatt, 1904**

synonym *Ephedrus pulchellus* Stelfox, 1941

ARMAGH: Lough Neagh, swept near the shore between Ellis's Cut and Kinnegoe, 2♀♀

(syntypes of *Ephedrus pulchellus*) 17.vi.1937, AWS; KILDARE: Rye Water, just north of the Royal Canal and on the right bank of the Rye Water, ♂ ♀ 23.iv.1944, AWS; TIPPERARY (South): Galtee Mountains, in a rushy marsh filling the site of a small tarn at about 1,400 ft alt., half a mile north-east and below Lough Borheen, ♀ 7.vi.1944, AWS (Stelfox, 1941c: p. 139 as *Ephedrus pulchellus*; Stelfox, 1944f: p. 236 as *Ephedrus pulchellus*; Gärdenfors, 1986: pp 45-46, 49 examined holotype of *Ephedrus pulchellus* (USNM)).

Ireland (Beirne, 1942a: p. 283 as *Ephedrus pulchellus*. The specimen was bred from *Anuraphis roseus* Baker collected at one of the following sites:- Finglas, Seapoint, Trinity College, all in Co. Dublin and Kilruddery, Co. Wicklow).

***Ephedrus (Ephedrus) plagiator* (Nees von Esenbeck, 1812)**

ANTRIM: no locality; ARMAGH: no locality; DOWN: no locality; DUBLIN: no locality; KILDARE: no locality; LAOIS: no locality; LEITRIM: no locality; ROSCOMMON: no locality; WICKLOW: no locality (all Stelfox, 1941c: p. 134 dates of capture range from 21 May to 24 September - the majority falling in late May or early June); COUNTY UNKNOWN: Ballycong Lake, ♂ 23.viii.1977, L. Bansberg (RMNH) (Gärdenfors, 1986: pp 63 and 65).

***Ephedrus (Lysephedrus) validus* (Haliday, 1833)**

DONEGAL (East); no locality, AWS (Stelfox, 1941c: p. 140); DOWN: Newcastle, ♂ ♀ ♀ 4-10.ix.1955, AWS (Stelfox, 1957c: p. 91 very abundant, up to 150-200 in a net sweep - "a perfect nuisance!"); DUBLIN: no locality, AWS; GALWAY (North): Lough Callow, from the "drift" on the shore, AWS; KILDARE: no locality, AWS; LEITRIM: no locality, AWS; MEATH: no locality, AWS; ROSCOMMON: no locality, AWS; SLIGO: no locality, AWS; WESTMEATH: no locality, AWS; WICKLOW: Lough Ouler, 1800 ft, AWS; Lugnaquilla, in the North Prison, 2000 ft, AWS (all Stelfox, 1941c: p. 140 nearly all captured between 1 August and 8 October. Only two were taken outside this period viz. on 2 May and 8 July). Ireland (Gärdenfors, 1986: p. 42; van Achterberg, 1997: p. 86 Irish paralectotype ♀ (NMI)).

***Praon abjectum* (Haliday, 1833)**

Ireland (van Achterberg, 1997: p. 11 Irish lectotype ♀ (BMNH)).

***Praon volucre* (Haliday, 1833)**

Ireland (Beirne, 1942a: p. 284; Beirne, 1942b: p. 42).

***Toxares deltiger* (Haliday, 1833)**

DONEGAL (East): no locality; DOWN: Holywood, 1.vi.1837, AHH; DUBLIN: no locality; KILDARE: no locality; LEITRIM: no locality; SLIGO: no locality; WESTMEATH: no locality; WEXFORD: no locality; WICKLOW: "North Prison", on Lugnaquilla at 2000 ft, ♂ 8.viii.1937, AWS (all Stelfox, 1941c: p. 128 dates of capture vary from 15 May to 4 October, from sea-level to 2000 ft).

Ireland (van Achterberg, 1997: p. 32 Irish paralectotype ♂ (NMI)).

***Trioxys cirsii* (Curtis, 1831) (Plate II)**

synonym *Aphidius aceris* Haliday, 1833

Ireland (van Achterberg, 1997: p. 11 Irish neotype ♀ of *Aphidius aceris* (BMNH)).

***Trioxys compressicornis* Ruthe, 1859**

synonym *Trioxys testaceus* Stelfox, 1948

CAVAN: Gartnaree, ♀ 19.v.1940, RCF; WICKLOW: Deputy's Pass, beaten from hazel *Corylus* or other scrub in oak *Quercus* wood, ♀ 8.v.1932, AWS; Enniskerry, swept from roadside scrub by the old road half a mile east of the village, ♀ 22.ix.1946, AWS; Vale of Clara, beaten from hazel *Corylus* or other scrub in oak *Quercus* wood, ♀ (type) 12.v.1940, AWS (all Stelfox, 1948b: p. 102).

Ireland (Mackauer, 1968: p. 68)

BLACINAE FOERSTER, 1862

***Blacus (Blacus) exilis* (Nees von Esenbeck, 1812)**

CAVAN: Farrinseer (Farringsee); DOWN: Tullybrannigan; DUBLIN: Dartry; Firhouse; Killeen, west of; Phoenix Park; Slade of Saggart; KILDARE: Skerries Bog; LEITRIM: Tullaghan (Tullaghan); SLIGO: Annacoona; WICKLOW: Enniskerry; Glending; Murrough; Woodend (all Haeselbarth, 1973: pp 159-160).

Ireland (van Achterberg, 1988c: p. 64).

***Blacus (Blacus) filicornis* Haeselbarth, 1973**

DOWN: Ballyrone; Tullybrannigan; DUBLIN: Bohernabreena; Killeen, west of; Phoenix [Park]; Portmarnock; The Slade of Saggart; Whitestown; KILDARE: Kilkea Park; Landenstown; Royal Canal; WICKLOW: Drumgoff; Glending; Greystones; Prettybush;

Woodend (Haeselbarth, 1973: p. 155 paratypes).

Ireland (van Achterberg, 1988c: p. 65).

***Blacus (Blacus) hastatus* Haliday, 1835**

TIPPERARY (South): Ballinacourty (B.c.t.y.) (Haeselbarth, 1973: p. 138).

Ireland (Shenefelt, 1969: p. 20; van Achterberg, 1988c: p. 66).

***Blacus (Blacus) humilis* (Nees von Esenbeck, 1812)**

synonym *Blacus trivialis* Haliday, 1835

DOWN: Brook Cottage, in derelict garden, ♂ 9.xii.1958, AWS (Stelfox, 1959a: p. 79 as

Blacus trivialis); DUBLIN: Whitechurch (König, 1967: p. 117 as *Blacus trivialis*).

Ireland (Haliday, 1835: p. 122; O'Farrell and Butler, 1948: p. 380 as *Blacus trivialis*, Northern Ireland, in mills and warehouses during 1942-1946; Shenefelt, 1969: p. 21; Haeselbarth, 1973: p. 129; van Achterberg, 1988c: p. 66).

***Blacus (Blacus) instabilis* Ruthe, 1861**

DUBLIN: Dublin, dock warehouse; Killeen (Haeselbarth, 1973: p. 154).

Ireland (van Achterberg, 1988c: p. 68).

***Blacus (Blacus) leptostigma* Ruthe, 1861**

DUBLIN: Killeen, west of, ♂ 30.ix.1945, AWS (Haeselbarth, 1973: p. 162).

Ireland (van Achterberg, 1976: p. 240; van Achterberg, 1988c: p. 68).

***Blacus (Blacus) longipennis* (Gravenhorst, 1809)**

DUBLIN: Glenasmole; Saggart; KILDARE: Oldtown House; Royal Canal; WICKLOW: Manor Kilbride (all Haeselbarth, 1973: p. 131).

Ireland (van Achterberg, 1988c: p. 70).

***Blacus (Blacus) nigricornis* Haeselbarth, 1973**

KILDARE: Oldtown House; MAYO: (West): Old Head; TIPPERARY (South): Ballinacourty (B'c't'y) (all Haeselbarth, 1973: p. 142 paratypes).

Ireland (van Achterberg, 1988c: p. 72).

***Blacus (Blacus) paganus* Haliday, 1835**

SLIGO: Trawalua (König, 1967: p. 117).

Ireland (Haeselbarth, 1973: p. 125; van Achterberg, 1988c: p. 72 lectotype ♀ (NMI); van Achterberg, 1997: p. 63 Irish lectotype ♀ and Irish 2♀♀ (all NMI)).

***Blacus (Ganychorus) ambulans* Haliday, 1835**

DOWN: Donard Lodge; DUBLIN: Glenasmole; Saggart; KILDARE: Kilkea Park; Landenstown; LEITRIM: Imaal; MEATH: Agher; SLIGO: Markree; WICKLOW: Tinode (all Haeselbarth, 1973: p. 102 as *Blacus ambulans ambulans*).

Ireland (Haliday, 1835: p. 44; Haeselbarth, 1973: pp 81 and 88; van Achterberg, 1988c: p. 93 only known from Ireland, lectotype ♀ (NMI); van Achterberg, 1997: p. 14).

***Blacus (Ganychorus) diversicornis* (Nees von Esenbeck, 1834)**

DOWN: Tullybrannigan (Tullybranigan), (Newcastle Dr); DUBLIN: Dublin; Gollierstown; Raheny Strand; Sl. Thoule; KILDARE: Bryl'n (Bryanstown); Oldtown; MEATH: Mayqaddy; Sligo: Trawallua (all Haeselbarth, 1973: p. 108).

Ireland (Haliday, 1835: p. 43; Marshall, 1889: p. 169 as *Blacus maculipes* Wesmael, 1835 (error); Stelfox, 1941b: p. 123 there is a series in one of Haliday's boxes of a species, of which I have taken numerous examples in Ireland, that entirely fits Haliday's description of *Blacus diversicornis*; Shenefeldt, 1969: p. 19; van Achterberg, 1988c: p. 99).

***Blacus (Ganychorus) pallipes* Haliday, 1835**

Ireland (Haliday, 1835: p. 41; van Achterberg, 1988c: p. 110 lectotype ♀ (NMI); van Achterberg, 1997: p. 64 Irish 2♀♀ (NMI)).

***Blacus (Ganychorus) ruficornis* (Nees von Esenbeck, 1812)**

ARMAGH: Armagh, WFJ (Johnson, 1904: p. 256 as *Ganychorus*); Poyntzpass, in moss, 2.ii.1910, WFJ (Johnson, 1912: p. 9); same locality, moss on roadside under *Pinus*, February, WFJ (Johnson, 1920b: p. 66); DUBLIN: St Anne's, Clontarf, dancing swarm, 5♂♂ 2♀♀ 4.viii.1939, EOM (Stelfox, 1944c: p. 208 (misidentified as *Blacus tripudians* in Stelfox (1941b: p. 124)); KILDARE: Royal Canal (König, 1967: p. 115); SLIGO: Trawallua, ♀ (König, 1967: p. 113).

Ireland (Haliday, 1835: p. 43; Haeselbarth, 1973: p. 98; van Achterberg, 1988c: p. 114).

***Blacus (Ganychorus) strictus* Stelfox, 1941**

DOWN: "Clifden", Holywood, ♀ (type) 20.viii.[18]39, AHH (Stelfox, 1941b: p. 121); Tollymore Park, near Newcastle, in a plantation of larch *Larix decidua*, ♀♀ October and November 1957 and 1958, ♂ 16.viii.1959, AWS (Stelfox, 1961: p. 155; Haeselbarth, 1973: p. 120).

Ireland (Shenefelt, 1969: p. 25; van Achterberg, 1988c: p. 121 Irish holotype ♀ (NMI); van Achterberg, 1997: p. 78 Irish holotype ♀ (NMI)).

***Blacus (Ganychorus) tripudians* Haliday, 1835**

CARLOW: no locality; DOWN: no locality; KILDARE: Kilkea Park, ♀♀ 27.viii.1933, AWS (BMNH); MEATH; no locality; WICKLOW: no locality (all Haeselbarth, 1973: pp 94-95). Misidentification in Stelfox (1941b: p. 124) of material collected at St Anne's, Clontarf, Co. Dublin. The specimens were *Blacus ruficornis*.

Ireland (Shenefelt, 1969: p. 25 as ?Dublin; van Achterberg, 1988c: p. 123 Irish lectotype ♀ (NMI)).

***Taphaeus hiator* (Thunberg, 1822)**

synonym *Taphaeus speculator* (Haliday, 1835)

Ireland (Haliday, 1835: p. 135 as *Helcon (Diospilus) speculator*, Northern Ireland; Marshall, 1889: p. 206 as *Diospilus*; Shenefelt, 1970a: p. 219).

BRACONINAE NEES VON ESENBECK, 1812

***Bracon atrator* Nees von Esenbeck, 1834**

ARMAGH: Poyntzpass, at hog-weed in fields, August [1920], WFJ (Johnson, 1921: p. 107); DOWN: Greencastle, on the shore near the pier, 7.viii.1930], WFJ (Johnson, 1931: p. 139).

***Bracon delibator* Haliday, 1833**

synonym *Bracon (Glabrobracon) anthracinus* Nees von Esenbeck, 1834

ARMAGH: Poyntzpass, at hogweed, July [1914], WFJ (Johnson, 1915: p. 133 as *Bracon anthracinus*); same locality, at hogweed, August 1921, WFJ (Johnson, 1922b: p. 70 as *Bracon anthracinus*); DONEGAL: Portnoo, cliff, September [1919], WFJ (Johnson, 1920a: p. 10 as *Bracon anthracinus*); DUBLIN: North Bull Island, salt marsh, July 1960-1963, BH, det AWS (Healy, 1975: p. 236; Speight and Healy, 1977: p. 153 as *Bracon anthracinus*); LOUTH: Bellurgan, on sea shore, June [1914], WFJ (Johnson, 1915: p. 133 as *Bracon anthracinus*); MAYO: Louisburgh, ♂ 15.vii.1910, CM (Morley, 1911: p. 15 as *Bracon anthracinus*). Ireland (Shenefelt, 1978: p. 1557 as *Bracon anthracinus*; van Achterberg, 1997: p. 31 as *Bracon delibator*, Irish lectotype ♀ from Portmarnock, Co. Dublin (NMI)).

***Bracon discoideus* (Wesmael, 1838)**

MAYO: Clare Island, ♀ June 1909, JNH (Morley, 1911: p. 15).

***Bracon erraticus* (Wesmael, 1838)**

ARMAGH: Poyntzpass, at hog-weed in fields, August [1920], WFJ (Johnson, 1921: p. 107);

MAYO: Clare Island, ♂ July, CM (Morley, 1911: p. 15).

***Bracon exarator* Marshall, 1885**

DONEGAL: Coolmore, at *Daucus carota* on roadside, ♀♀ [1914], WFJ (Johnson, 1915: p. 133).

***Bracon fulvipes* Nees von Esenbeck, 1834**

ARMAGH: Poyntzpass, at hog-weed in fields, August [1920], WFJ (Johnson, 1921: p. 107);

DOWN: Greencastle, on roadside, 4.[viii.1930], WFJ (Johnson, 1931: p. 139); MAYO:

Carrowmore Lough, CM; Croaghpatrick, at 2500 ft, CM; Westport, JNH (all Morley, 1911: p. 15).

***Bracon (Habrobracon) hebetor* (Say, 1836)**

Ireland (O'Farrell and Butler, 1948: pp 357, 380 and 382 Northern Ireland, in mills and warehouses during 1942-1946).

***Bracon mediator* Nees von Esenbeck, 1812**

DONEGAL: Coolmore, at wild carrot *Daucus carota*, [1915], WFJ (Johnson, 1916: p. 21).

***Bracon minutator* (Fabricius, 1798)**

MAYO: Achill Sound, ♀, WFJ (Morley, 1911: p. 15).

***Bracon nigratus* (Wesmael, 1838)**

MAYO: Croaghpatrick, ♀ 14 July, CM (Morley, 1911: p. 15).

***Bracon osculator* (Nees von Esenbeck, 1812)**

DONEGAL: Coolmore, on Umbelliferae, in September [1913], WFJ (Johnson, 1914: p. 67).

***Bracon picticornis* (Wesmael, 1838)**

synonym *Bracon epitriptus* Marshall, 1885

MAYO: Clare Island, ♀ July, CM (Morley, 1911: p. 15 as *Bracon epitriptus*).

***Bracon praetermissus* Marshall, 1885**

DOWN: Greencastle, on roadside, ♀ 22.[viii.1930], WFJ (Johnson, 1931: p. 139).

***Bracon roberti* (Wesmael, 1838)**

MAYO: Clare Island, ♂ July, CM (Morley, 1911: p. 15).

***Bracon scutellaris* (Wesmael, 1838)**

WICKLOW: no locality, taken in November and beaten out of pines in early spring, AWS (Stelfox, 1953b: p. 95).

***Bracon (Habrobracon) stabilis* (Wesmael, 1838)**

synonym *Bracon opacus* Stelfox preoccup.

DUBLIN: especially common on sandhills, AWS; River Dodder, above Old Bawn Bridge, ♂ 18.viii.1935, AWS; The Scalp, beaten from ivy *Hedera helix*, ♀ 21.xii.1930, AWS (all Stelfox, 1953b: p. 95 as *Bracon stabilis*); KERRY (South): Rossbegh, bred from the larva of *Gelechia marmorea* (*Phthorimaea marmorea* Haworth) (Lepidoptera) taken on the sandhills, AHH (Haliday, 1855: p. 53 as *Bracon marmoreus* n.sp. Stelfox (1953b: p. 95) considers that Haliday's material belonged to *Bracon opacus* but he could not find any specimens in Haliday's collection in NMI); Sligo: especially common on sandhills, AWS (Stelfox, 1953b: p. 95 as *Bracon opacus*); Wicklow: on the coast, AWS (Stelfox, 1953b: p. 95 as *Bracon opacus*). Ireland (Shenefelt, 1978: pp 1612 and 1613).

***Bracon triangularis* Nees von Esenbeck, 1834**

MAYO: Carrowmore Lough, one, CM; Clare Island, 2♀♀ (both Morley, 1911: p. 15).

***Bracon variator* Nees von Esenbeck, 1812**

ARMAGH: Poyntzpass hill, in August [1913], WFJ (Johnson, 1914: p. 67); MAYO: Clare Island, ♂ July, CM (Morley, 1911: p. 15).

***Bracon variegator* Spinola, 1808**

ARMAGH: Poyntzpass, August 1921, WFJ (Johnson, 1922b: p. 70).

CHARMONTINAE VAN ACHTERBERG, 1979

***Charmon cruentatus* Haliday, 1833**

synonym *Helcon (Eubadizon) pectoralis* (Nees von Esenbeck, 1834)

CAVAN: Virginia, swept in mixed wood, ♀ 30.v.1982, JMOC (NMI); DUBLIN: Phoenix Park, swept in small wood of *Fraxinus/Crataegus*, ♂ 17.iv.1982, JMOC (NMI) (both O'Connor *et al.*, 1991: p. 451 as *Charmon cruentatus*).

Ireland (Haliday, 1835: p. 133 as *Helcon (Eubadizon) pectoralis*; van Achterberg, 1979: 270).

***Charmon extensor* (Linnaeus, 1758)**

Ireland (Marshall, 1889: p. 151 as *Eubadizon*; Shenefelt, 1970a: p. 234 as *Eubadizon*).

CHELONINAE NEES VON ESENBECK, 1816

***Ascogaster abdominalis* (Dahlbom, 1833)**

DOWN: Drinnahilly, 20.vii.1964, AWS; DUBLIN: Slade Brook, Glenasmole, 21.vi.1944, AWS; KERRY (North): Derrycunihy, Killarney, 15.vii.1933, AWS (NMI: unpublished records, det. TH).

Ireland (Huddleston, 1984: p. 358).

***Ascogaster albitarsus* Reinhard, 1867**

TIPPERARY (South): Burnt Woods, ♂ 1.x.1947, Daltry (USNM) (Huddleston, 1984: p. 365).

***Ascogaster bidentula* Wesmael, 1835**

DUBLIN: The Island, 22.vii.1943, AWS; Portmarnock, 3.ix.1942, AWS; KERRY (South): Blackstones, 11.vii.1934, AWS; WICKLOW: Athdown, 30.vii.1936, AWS; Buckrone, 22.vii.1948, AWS (NMI: unpublished records, det. TH).

Ireland (Huddleston, 1984: p. 367).

***Ascogaster brevicornis* Wesmael, 1835**

DUBLIN: Glenasmole, 31.vii.1951, AWS (NMI: unpublished record, det. TH).

Ireland (Huddleston, 1984: p. 374).

***Ascogaster canifrons* Wesmael, 1835**

KILDARE: Landenstown, ♀ 20.viii.1941, AWS (USNM); Royal Canal, ♀ 3.viii.1949 and ♀ 15.vii.1950, AWS (USNM); same locality, ♂ 30.vi.1950, AWS (USNM); WEXFORD: Killurin, ♀ 22.vii.1937, AWS (USNM) (all Huddleston, 1984: p. 375).

***Ascogaster consobrina* Curtis, 1837**

MAYO (West): Old Head, 28.v.1942, AWS; WICKLOW: Clara, 1.vi.1937, AWS; Devil's Glen, 3.vi.1951, AWS; Glenmalur, 31.v.1940, AWS (NMI: unpublished records, det. TH).

Ireland (Huddleston, 1984: p. 368).

***Ascogaster rufidens* Wesmael, 1835**

CORK (West): Barony River, Glengarriff, 14.vii.1935, AWS; DUBLIN: Harold's Cross, 20.vi.1933, AWS; The Slade of Saggart, 22.vii.1936, AWS (NMI: unpublished records, det. TH).

Ireland (Huddleston, 1984: p. 370).

***Ascogaster rufipes* (Latreille, 1809)**

DONEGAL (West): Benroe, Killybegs, 18.viii.1933, AWS; DUBLIN: Glenasmole, 26.vii.1951, AWS; GALWAY: Maam Bridge, 3.vi.1960, AWS; KILDARE: Landenstown, 23.vi.1946, AWS; LEITRIM: north of Kinlough, 8.viii.1933, AWS; WATERFORD: Horn Head, Tramore, 14.vi.1969, AWS; WICKLOW: Athdown, 23.vi.1937, AWS; Murrough, 13.vi.1948, 5.viii.1952, AWS (NMI: unpublished records, det. TH).

Ireland (Huddleston, 1984: p. 379).

***Chelonus catulus* Marshall, 1885**

MAYO: Clare Island, 3♀♀; Old Head wood, 13 July, CM (IM) (Morley, 1911: p. 16).

***Chelonus dispar* Marshall, 1885**

MAYO: Clare Island, ♂ July, CM (IM) (Morley, 1911: p. 16).

***Chelonus inanitus* (Linnaeus, 1767)**

ARMAGH: Poyntzpass, fields, August [1920], WFJ (Johnson, 1921: p. 107); DOWN: Greencastle, roadside, 16.[viii. 1930], WFJ (Johnson, 1931: p. 139); KERRY: Parknasilla, ♂ 18.vii.1901, Yerbury (Morley, 1902: p. 55; Morley, 1907b: p. 181); MAYO: Clare Island, ♀ July 1910, CM (IM) (Morley, 1911: p. 16); WESTMEATH: Athlone, in July [1917], J. J. F. X. King (Johnson, 1918: p. 109).

Ireland (Shenefelt, 1973b: p. 852).

***Phanerotoma (Bracotritoma) tritoma* (Marshall, 1898)**

Ireland (van Achterberg, 1990b: p. 62 ♀ 12.ix.[1839], AHH NMI).

DORYCTINAE FOERSTER, 1862

***Ontsira imperator* (Haliday, 1836)**

Ireland (van Achterberg, 1997: p. 47 Irish lectotype ♀ (NMV)).

***Spathius exarator* (Linnaeus, 1758)**

synonym *Spathius clavatus* (Panzer, 1806)

ARMAGH: Poyntzpass, indoors on a table infested with *Anobium*, WFJ (Johnson, 1900: p. 270; Johnson, 1901: p. 15); Northern Ireland: in mills and warehouses during 1942-1946 (O'Farrell and Butler, 1948: p. 380).

Ireland (Haliday, 1836: p. 43 as *Rogas* (*Spathius*) *clavatus*).

***Spathius rubidus* (Rossius, 1794)**

ARMAGH: Poyntzpass, in stable window, July [1914], WFJ; same locality, in windows, in July [1915], WFJ (Johnson, 1915: p. 133; Johnson, 1916: p. 21).

EUPHORINAE FOERSTER, 1862

***Allurus lituratus* (Haliday, 1835)**

Ireland (van Achterberg, 1997: p. 53).

***Allurus muricatus* (Haliday, 1833)**

Ireland (van Achterberg, 1997: p. 60 Irish lectotype ♀ (NMI)).

***Centistes ater* (Nees von Esenbeck, 1834)**

synonym *Leiophron excrucians* Haliday, 1835

LIMERICK: Limerick, in the marshes of the Shannon south of, ♀ 15.vi.1913, CM (IM) (Morley, 1918: p. 86 as *Liophron*).

Ireland (van Achterberg, 1997: p. 36 Irish lectotype ♀ of *Leiophron excrucians* (NMI)).

***Centistes edentatus* (Haliday, 1835)**

Ireland (van Achterberg, 1997: p. 34 Irish lectotype ♀ (NMI)).

***Dinocampus coccinellae* (Schrank, 1802)**

DUBLIN: Kilgobbin High Cross, Sandyford, ♀ emerged about a fortnight later from a cocoon on an adult of *Coccinella septempunctata* L. (Coleoptera) collected on 5.vi.1973 (Blackith, 1973: p. 420 as *Perilitus*); Stepaside, ♀ emerged about three weeks later (July) from a cocoon of *Propylea quatuordecempunctata* (L.) (Coleoptera) collected in the first fortnight of June, RB (Blackith and Blackith, 1978: pp 164 and 165 as *Perilitus*).

***Euphorus pallidistigma* (Curtis, 1833)**

synonym *Leiophron intactus* Haliday, 1835

Ireland (van Achterberg, 1997: p. 49 ♀ (NMI)).

***Euphorus similis* (Curtis, 1833)**

Ireland (Shenefelt, 1969: p. 47 as *Leiophron*).

****Leiophron apicalis* Haliday, 1833 (Plate III)**

WICKLOW: Devil's Glen, ♂♀ 15.v.1938, AWS (NMI, USNM) (det. AWS, confirmed JPOC).

New to Ireland.

***Meteorus abdominator* (Nees von Esenbeck, 1812)**

Ireland (Haliday, 1835: p. 28 as *Perilitus* (*Meteorus*), Marshall, 1887: p. 112; Shenefelt, 1969: p. 49; Huddleston, 1980: p. 21).

***Meteorus abscissus* Thomson, 1895**

CIARE: Fanore, ex larva of *Setina irrorella* (L.) (Lepidoptera), ♂ 10.vi.1974, West (BMNH) (Huddleston, 1980: p. 22).

***Meteorus affinis* (Wesmael, 1835)**

Ireland (Huddleston, 1980: p. 23).

***Meteorus cespitator* (Thunberg, 1822)**

Ireland (Huddleston, 1980: p. 25).

***Meteorus cinctellus* (Spinola, 1808)**

Ireland (Haliday, 1835: p. 31 as *Perilitus* (*Meteorus*), Northern Ireland; Marshall, 1887: p. 125; Shenefelt, 1969: p. 59; Huddleston, 1980: p. 26).

***Meteorus colon* (Haliday, 1835)**

synonym *Meteorus fragilis* (Wesmael, 1835)

Ireland (Haliday, 1835: p. 31 as *Perilitus* (*Meteorus*), on the banks of the River Shannon; Marshall, 1887: p. 129 as *Meteorus fragilis*; Shenefelt, 1969: p. 60; Huddleston, 1980: p. 27; van Achterberg, 1997: p. 27 holotype ♀ probably lost).

***Meteorus confinis* Ruthe, 1861**

MAYO: Roonah Quay, on rocks, ♀ 20 July, CM (Morley, 1911: p. 16); WEXFORD: Kilmore Quay (Kilmore), August, AB (Morley, 1908b: p. 148).

Ireland (Shenefelt, 1969: p. 61).

***Meteorus consimilis* (Nees von Esenbeck, 1834)**

Ireland (Huddleston, 1980: p. 28).

***Meteorus delator* (Haliday, 1835)**

Ireland (Shenefelt, 1969: p. 64; van Achterberg, 1997: p. 31 the Irish holotype ♀ could not be found).

***Meteorus filator* (Haliday, 1835)**

Ireland (Shenefelt, 1969: p. 67; Huddleston, 1980: pp 30-31 examined Irish holotype ♀ (NMI)).

***Meteorus gyrator* (Thunberg, 1822)**

synonym *Meteorus scutellator* (Nees von Esenbeck, 1834)

WEXFORD: Kilmore Quay (Kilmore), August, AB (Morley, 1908b: p. 149 as *Meteorus scutellator*).

Ireland (Shenefelt, 1969: p. 68; Huddleston, 1980: p. 32).

***Meteorus hirsutipes* Huddleston, 1980**

WICKLOW: Deputy's Pass, ♀ (paratype) 7.viii.1932, AWS (USNM) (Huddleston, 1980: p. 34).

***Meteorus ictericus* (Nees von Esenbeck, 1812)**

synonym *Meteorus confinis* Ruthe, 1862

MAYO: Roonah Key (Quay), 1911, CM (*Meteorus confinis*, IM).

Ireland (Shenefelt, 1969: p. 71; Huddleston, 1980: p. 35).

***Meteorus jaculator* (Haliday, 1835)**

ARMAGH: Poyntzpass, laurels, October [1920], WFJ (Johnson, 1921: p. 107); DOWN: Donard Lodge (Donnaird Lo.), ♀ 17.x.1965, AWS (USNM); Drinnahilly (Dramahilly), ♀ 20.vii.1964 and ♀ 27.vii.1964, AWS (USNM); Tollymore Park, ♀ 27.viii.1961 and ♀ 17.ix.1961, AWS (USNM); DUBLIN: Ballinascorney (B'scorney), ♂ 15.vii.1945, AWS (USNM) (all Huddleston, 1980: p. 37 who states that the ♀ syntypes from Ireland are lost); LOUTH: Carlingford, ♂ June 1921, WFJ (Johnson, 1922a: p. 17); SLIGO: Trawallua, 5♀♀ 24-29.vi.1933, GEJN (BMNH) (Huddleston, 1980: pp 36-37).

Ireland (Haliday, 1835: p. 34 as *Perilitus* (*Meteorus*), Northern Ireland; Marshall, 1887: p. 109; Shenefelt, 1969: p. 74).

***Meteorus luridus* Ruthe, 1862**

DONEGAL: Portnoo, on heather, [September 1917], WFJ (Johnson, 1918: p. 109 as *Meteorus lividus* (misspelling)); same locality, mountain road, [June 1919], WFJ (Johnson, 1920a: p. 10). Ireland (Shenefelt, 1969: p. 79).

***Meteorus melanostictus* Capron and Marshall, 1887**

ARMAGH: Poyntzpass, among herbage, in June [1917], WFJ (Johnson, 1918: p. 109). Ireland (Shenefelt, 1969: p. 80).

***Meteorus micropterus* (Haliday, 1835)**

Ireland (Shenefelt, 1969: p. 81; Huddleston, 1980: pp 39-40 Irish lectotype ♀ (NMI); van Achterberg and O'Toole, 1993: p. 26 typical Haliday specimen from Ireland, paralectotype (OUM); van Achterberg, 1997: p. 59 the lectotype designated by Huddleston is British).

***Meteorus obsoletus* (Wesmael, 1835)**

SLIGO: Trawallua, ♂ 24-27.vii.1933, GEJN (BMNH) (Huddleston, 1980: p. 42).

***Meteorus pallipes* (Wesmael, 1835)**

Ireland (Huddleston, 1980: p. 44).

***Meteorus pendulator* (Latreille, 1799)**

Ireland (Haliday, 1835: p. 29 as *Perlitus* (*Meteorus*); Shenefelt, 1969: p. 85).

***Meteorus profligator* (Haliday, 1835)**

DUBLIN: Glendhu, ex *Cis boleti* (Scopoli) (Coleoptera) collected in August 1933, ♀ emerged 24.iii.1934, AWS (USNM); KILDARE: Royal Canal, ♀ 10.ix.1944, AWS (USNM); WICKLOW: Cloughlaague, ♀ 2.ix.1953, AWS (USNM); Deputy's Pass, ♀ 4.ix.1932, AWS (USNM) (all Huddleston, 1980: pp 44-45 who states that the ♀ syntypes from Ireland are lost). Ireland (Shenefelt, 1969: p. 87).

***Meteorus pulchricornis* (Wesmael, 1835)**

DONEGAL: Portnoo, among herbage on roadside, [September 1917], WFJ (Johnson, 1918: p. 109); MAYO: Clare Island, ♂ September 1910, WFJ (Morley, 1911: p. 17). Ireland (Shenefelt, 1969: p. 87; Huddleston, 1980: p. 46).

***Meteorus punctiventris* Ruthe, 1862**

DONEGAL: Coolmore, on sandhills, in September [1917], WFJ (Johnson, 1918: p. 109 as *Meteorus punctriventris*).

Ireland (Shenefelt, 1969: p. 88).

***Meteorus rubens* (Nees von Esenbeck, 1812)**

synonym *Meteorus leviventris* (Wesmael, 1835)

MAYO: Louisburg, ♂ 17.vii.1910, CM (Morley, 1911: p. 17 as *Meteorus leviventris*);

WEXFORD: Kilmore Quay (Kilmore), coast sandhills, August 1898, AB (Morley, 1908b: p. 150).

Ireland (Shenefelt, 1969: p. 76 as *Meteorus leviventris*; Shenefelt, 1969: p. 89; Huddleston, 1980: p. 48).

***Meteorus tabidus* (Wesmael, 1835)**

Ireland (Huddleston, 1980: p. 50).

***Meteorus unicolor* (Wesmael, 1835)**

MAYO: Achill, ♀ June 1909, JNH (Morley, 1911: p. 17).

***Meteorus versicolor* (Wesmael, 1835)**

Ireland (Huddleston, 1980: p. 52).

***Meteorus vexator* (Haliday, 1835)**

KILDARE: Royal Canal, ♀ (neotype) 11.vii.1943, AWS (USNM) (Huddleston, 1980: p. 52 neotype ♀; van Achterberg, 1997: p. 87).

Ireland (Shenefelt, 1969: p. 100).

***Microctonus aethiops* (Nees von Esenbeck, 1834)**

MAYO: Carrowmore Hill, 500 ft, ♀, CM (Morley, 1911: p. 16 as *Perilitus*).

***Microctonus bicolor* Wesmael, 1835**

WEXFORD: Kilmore Quay (Kilmore), found commonly on sand-hills, ♀♀ 10 and 23.viii.1898, AB (Morley, 1908c: p. 289).

Ireland (Marshall, 1887: p. 78 as *Perilitus*, found several times by Haliday in Northern Ireland in autumn; Shenefelt, 1969: p. 104).

***Microctonus borealis* (Thomson, 1891)**

TIPPERARY (South): Galtee Mountains, on south-west shore of Lough Curra at 1900 ft, ♀ 2.vi.1944, AWS; WICKLOW: Lugnaquilla, on the summit at 3000 ft, ♀ 27.vi.1937, AWS; River Liffey, on moor near the river's source at 1800 ft, ♀ 12.vi.1933, AWS; River Liffey, above Athdown at about 1000 ft, ♀ 22.vi.1941, AWS (all Stelfox 1953d: p. 141 as *Perilitus*).

Ireland (Shenefelt, 1969: p. 104).

***Microctonus brevicollis* (Haliday, 1835)**

Ireland (Haliday, 1835: p. 35 as *Perilitus*, Northern Ireland; Marshall, 1887: p. 76 as *Perlitus*; Lyle, 1927: p. 60 as *Perilitus*; Shenefelt, 1969: p. 104; van Achterberg and O'Toole, 1993: p. 12 holotype (OUM)).

***Microctonus ceralium* (Haliday, 1835)**

Ireland (Shenefelt, 1969: p. 105).

***Myiocephalus boops* (Wesmael, 1835)**

Loxocephalus Foerster is preoccupied by *Loxocephalus* Eberhard and *Myiocephalus* Marshall becomes the valid name for the genus (Foissner and van Achterberg, 1997).

WICKLOW: Athdown, ♂ 19.vi.1938, AWS; Powerscourt, sweeping the path along the western slope of Deerpark from near the entrance gate to the top of the waterfall, ♀ 1.vii.1941, BPB (both Beirne, 1945: pp 107-108 as *Myiocephalus*).

Ireland (Shenefelt, 1969: p. 115).

***Perilitus rutilus* (Nees von Esenbeck, 1812)**

Ireland (Haliday, 1835: p. 35).

***Peristenus antennalis* (Hincks, 1943)**

synonym *Leiophron picipes* Haliday, 1835 *nec* *L. picipes* Curtis, 1833

Ireland (Shenefelt, 1969: p. 45 as *Leiophron*; van Achterberg, 1997: p. 15 Irish lectotype ♀ (NMI)).

***Peristenus grandiceps* (Thomson, 1892)**

CORK: Glengarriff, swept in oak *Quercus* woodland, ♂ 6.vii.1985, JMOC (NMI);

WATERFORD: Mount Congreve, swept in ornamental plants, ♀ 10.vii.1989, JPOC (NMI) (all O'Connor *et al.*, 1991: p. 452).

***Peristenus mitis* (Haliday, 1833)**

Ireland (Shenefelt, 1969: p. 41 as *Leiophron*).

***Peristenus pallipes* (Curtis, 1833)**

DUBLIN: [North] Bull Island, swept in alder *Alnus* marsh, ♂ 9.vii.1982, JMOC (NMI);

KILDARE: Grand Canal, swept from canal side vegetation, 2♂♂ 23.v.1982, JMOC (NMI);

WATERFORD: Ballin Lough, swept from vegetation on lake-shore, ♀ 4.vii.1989, JMOC

(NMI); WEXFORD: Curracloe, swept from vegetation in alder *Alnus* marsh and adjoining pasture land beside the sand dunes, 2♂♂ 9.vi.1982, JMOC (NMI); same locality, also swept from the sand-dunes, ♂ 12.vi.1982 JMOC (NMI) (all O'Connor *et al.*, 1991: p. 453).

***Peristenus picipes* (Curtis, 1833)**

WEXFORD: Kilmore Quay (Kilmore), ♂ 14.viii.1898, AB (Morley, 1908c: p. 288 as *Euphorus*).

Ireland (Shenefelt, 1969: p. 45 as *Leiophron*).

***Pygostolus falcatus* (Nees von Esenbeck, 1834)**

CARLOW: Oak Park, ♂ 2.vii.1940, AWS (NMI); WICKLOW: Laragh, ♀; Powerscourt ♂ (Haeselbarth, 1971: p. 6; O'Connor and Nash, 1998).

***Pygostolus multiarticulatus* (Ratzeburg, 1852)**

WATERFORD: Glasha River, swept from vegetation on the banks, ♀ 8.vii.1989, JPOC (NMI) (O'Connor and Nash, 1998).

***Pygostolus sticticus* (Fabricius, 1798)**

synonym *Blacus barynoti* (Boudier, 1834)

CARLOW: no locality; CLARE: Ennistymon, swept in grounds of Falls Hotel, ♀ 9.vii.1981, JPOC (NMI); CORK: no locality; DOWN: no locality; DUBLIN: Ballinascorney, ♀ 15.vii.1945, AWS (NMI); Glenasmole; Three Rock Wood, a mixed conifer forest plantation near Ticknock, reared from *Otiorrhynchus singularis* (L.) (Coleoptera), RB; KILDARE: Kilkea Park, ♀ 26.vi.1933, EOM (NMI); WATERFORD: Dunmore East, Malcolmson's Wood, ♀ 8.vii.1988, JPOC (NMI); WESTMEATH: Newtownlow, ♀ 25.vii.1932, AWS (NMI); WEXFORD: Ballyhighland Wood, swept in mixed wood, ♀♀ 14.vi.1982, JMOC (NMI); WICKLOW: Glenmore, Devil's Glen, coll 16.vi.1934 from cocoon under the bark of a pine log, ♀ emerged 24.vi.1934, EOM (NMI) (Haeselbarth, 1971: p. 6; Blackith and Blackith, 1986: pp 69-71; O'Connor *et al.*, 1991: p. 453; O'Connor and Nash, 1998: p. 255).

Ireland (Shenefelt, 1969: p. 17 as *Blacus barynoti*, p. 124).

***Rilipertus intricatus* (Ruthe, 1859)**

Ireland (Haeselbarth, 1996: p. 401).

***Syntretus conterminus* (Nees von Esenbeck, 1814)**

Ireland (Haliday, 1835: p. 36 as *Perilitus*, Western Ireland).

***Syntretus idalius* (Haliday, 1833)**

Ireland (Haliday, 1835: p. 38 as *Perilitus*; Shenefelt, 1969: p. 131; van Achterberg, 1997: p. 47 Irish ♂ (NMV)).

***Syntretus xanthocephalus* (Marshall, 1887)**

KERRY: no locality, ♀ June 1902, Donisthorpe (Morley, 1908c: p. 290).

***Townesilitus aemulus* (Ruthe, 1856)**

DUBLIN: no locality; MAYO (West): no locality; WICKLOW: no locality (Haeselbarth, 1988: p. 442).

***Townesilitus bicolor* (Wesmael, 1835)**

Ireland (Haeselbarth, 1988: p. 445).

***Townesilitus deceptor* (Wesmael, 1835)**

WICKLOW: Powerscourt (Haeselbarth, 1988: p. 437).

***Zele albiditarsus* (Curtis, 1832)**

synonym *Zele testaceator* Curtis, 1832

CAVAN: Killykeen (van Achterberg, 1979: p. 378 as f. *deceptor* (Wesmael, 1835)).

Ireland (Haliday, 1835: p. 25 as *Perilitus* (*Meteorus*), Northern Ireland; Haliday, 1835: p. 142 as *Helcon* (*Zele*) *testaceator*; Shenefelt, 1969: p. 51 as *Meteorus*; Shenefelt, 1970a: p. 226 as *Zele testaceator*).

***Zele caligatus* (Haliday, 1835)**

DOWN: Tollymore ("Jullymore"), ♀ (lectotype), AHH (NMI) (van Achterberg, 1979: p. 365).

Ireland (Haliday, 1835: p. 26 as *Perilitus* (*Meteorus*), Northern Ireland; Marshall, 1887: p. 99 as *Meteorus*; Shenefelt, 1969: p. 55 as *Meteorus*; van Achterberg, 1997: p. 21 Irish lectotype ♀ "Tollymore" (NMI)).

***Zele chlorophthalmus* (Spinola, 1808)**

synonym *Meteorus chrysophthalmus* (Nees von Esenbeck, 1812)

MAYO: Mulranny, June, WFJ; Polranny, June, WFJ (Morley, 1911: p. 16 as *Meteorus chrysophthalmus*).

Ireland (Shenefelt, 1969: p. 58 as *Meteorus chrysophthalmus*).

***Zele deceptor* (Wesmael, 1835)**

CARLOW: Cloughristick, swept from woodland flowers under old oak *Quercus* trees, ♂

24.ix.1982, JMOC (NMI) (O'Connor *et al.*, 1991: p. 453); CAVAN: Killykeen (van Achterberg, 1979: p. 378).

EXOTHECINAE FOERSTER, 1862

***Colastes braconius* Haliday, 1833**

DUBLIN: Foxrock, reared from larvae of *Rhynchaenus fagi* L. (Coleoptera), 1944, BPB (Beirne, 1946: p. 7); MAYO: Clare Island, ♂ July, CM (Morley, 1911: p. 15).

Ireland (Haliday, 1836: p. 58 as *Rogas* (*Colastes*); Shenefelt, 1975: p. 1117; van Achterberg, 1997: p. 19 Irish lectotype ♀ and paralectotypes 5♂♂ 5♀♀ (NMI)).

***Shawiana catenator* (Haliday, 1836)**

ARMAGH: Poyntzpass, among herbage in field, July [1914], WFJ (Johnson, 1915: p. 133 as *Phanomeris*).

Ireland (Haliday, 1836: p. 93 as *Rogas* (*Colastes*); Marshall, 1885: p. 49 as *Phanomeris*; Shenefelt 1975: p. 1130 as *Phanomeris*).

***Xenarcha lustrator* (Haliday, 1836)**

Ireland (Haliday, 1836: p. 58 as *Rogas* (*Colastes*), Northern Ireland; Marshall, 1885: p. 51; Papp, 1967: p. 150; Shenefelt, 1975: p. 1137; van Achterberg, 1997: p. 55 Irish holotype ♂ (NMI)).

GNAMPTODONTINAE FISCHER, 1970

***Gnamptodon pumilio* (Nees von Esenbeck, 1834) (Fig. 3)**

GALWAY: Ballinahinch (van Achterberg, 1983b: p. 36).

Ireland (Haliday, 1837: p. 221 as *Opius* (*Gnamptodon*) misspelling; Marshall, 1891: p. 14; Shenefelt, 1975: p. 1124 as *Gnamptodon*).

HELCONINAE FOERSTER, 1862

***Diospilus capito* (Nees von Esenbeck, 1834)**

DONEGAL: Coolmore, in window, in September [1917], WFJ (Johnson, 1918: p. 109);

MAYO: Clare Island, ♀ July, CM (Morley, 1911: p. 17); WATERFORD: Waterford, 5-6.vi.1913, CM (IM).

Ireland (Shenefelt, 1970a: p. 209).

***Diospilus oleraceus* Haliday, 1833**

DONEGAL: Coolmore, on umbelliferae on roadside, in September [1913], WFJ (Johnson, 1914: p. 67); MAYO: Clare Island, ♂ July, CM (Morley, 1911: p. 17).

Ireland (Haliday, 1835: p. 135 as *Helcon* (*Diospilus*); Shenefelt, 1970a: p. 212).

***Eubazus fasciatus* (Nees von Esenbeck, 1816)**

Ireland (Shenefelt, 1970a: p. 236 as *Eubadizon*).

***Eubazus flavipes* (Haliday, 1835)**

ARMAGH: Poyntzpass, on *Angelica*, in August [1913], WFJ (Johnson, 1914: p. 67 as *Eubadizon*).

Ireland (Haliday, 1835: p. 132 as *Helcon* (*Eubadizon*), Northern Ireland; Marshall, 1889: p. 153 as *Eubadizon*; Shenefelt, 1970a, p. 236 as *Eubadizon*).

Also recorded by Johnson (1915: p. 133 as *Eubadizon*) from Armagh and Donegal but this is an error (Johnson, 1918: p. 109). The specimens were *Apanteles falcatus*.

***Eubazus pallipes* Nees von Esenbeck, 1814**

Ireland (Shenefelt, 1970a: p. 243 as *Eubadizon*)

***Eubazus tibialis* (Haliday, 1835)**

Ireland (Haliday, 1835: p. 130 *Helcon* (*Calyptus*), taken rarely in the woods of Northern Ireland; Marshall, 1889: p. 156 as *Calyptus*; Shenefelt, 1970a: p. 249 as *Eubadizon*).

***Foersteria puber* (Haliday, 1835)**

Ireland (Haliday, 1835: p. 130 as *Helcon* (*Calyptus*), taken sparingly in woods on the banks of the River Shannon; Marshall, 1889: p. 155 as *Calyptus*; Lyle, 1929: p. 127 as *Calyptus*; Shenefelt, 1970a: p. 244 as *Eubadizon*; van Achterberg, 1990a: pp 12-13 obviously an Irish specimen).

***Schizoprymnus ambiguus* (Nees von Esenbeck, 1816)**

Ireland (Haliday, 1835: p. 128 as *Helcon* (*Triaspis*); Marshall, 1885: p. 110 as *Sigalphus*, 2♂♂; Shenefelt, 1970a: p. 275).

***Triaspis caudata* (Nees von Esenbeck, 1816)**

Ireland (Haliday, 1835: p. 127 as *Helcon* (*Triaspis*) *obscurellus*, abundant in maritime areas; Shenefelt, 1970a: p. 285).

***Triaspis floricola* (Wesmael, 1835)**

synonym *Triaspis obscurellus* (Haliday, 1835)

Ireland (Haliday, 1835: p. 126 as *Helcon* (*Triaspis*); Marshall, 1885: p. 107 as *Sigalphus*; Shenefelt, 1970a: p. 289).

***Triaspis pallipes* (Nees von Esenbeck, 1816)**

DUBLIN: Foxrock, reared from larvae of *Rhynchaenus fagi* L. (Coleoptera), 1944, BPB (Beirne, 1946: p. 7 as *Triaspis* (*Sigalphus*) *pallidipes*).

Ireland (Haliday, 1835: p. 127 as *Helcon* (*Triaspis*) *fulvipes*).

***Triaspis striatula* (Nees von Esenbeck, 1816)**

ARMAGH: Poyntzpass, garden, April 1921, WFJ (Johnson, 1922b: p. 70 as *Sigalphus*);

KERRY: Killarney, 7.vi.1913, CM (IM).

HISTEROMERINAE FAHRINGER, 1930

***Histeromerus mystacinus* Wesmael, 1838**

KERRY: Killarney, in the grounds of the Hotel Europe, crawling on bare wood on the trunk of a large oak *Quercus*, ♀ 22.vi.1993, JPOC (NMI) (O'Connor, 1995: p. 162); WICKLOW:

Glenart Castle estate near Arklow, ♀ investigating the crevices of a rotten stump, AWS (USNM) (Stelfox, 1927: p. 233).

HOMOLOBINAE VAN ACHTERBERG, 1979

***Homolobus* (*Chartolobus*) *infumator* (Lyle, 1914)**

CORK: Lodge Woods, Glengarriff; DOWN: Drinahilly; Tollymore Park; MAYO (West): Old Head; TIPPERARY (South): Bansla Wood (all van Achterberg, 1979: p. 307).

***Homolobus* (*Homolobus*) *discolor* (Wesmael, 1835)**

DUBLIN: Saggart; SLIGO: Carrowgarry; Trawalua (all van Achterberg, 1979: p. 320).

***Homolobus* (*Phylacter*) *annulicornis* (Nees von Esenbeck, 1834)**

DONEGAL (East): Knather, Bundoran District; DOWN: Strangford; DUBLIN: Finglas; SLIGO: Trawalua (all van Achterberg, 1979: p. 325).

***Homolobus* (*Oulophus*) *flagitator* (Curtis, 1837)**

DOWN: Drinahilly, amongst logs, ♀ (neotype) 2.xi.1965, AWS (USNM); Tollymore Park;

TIPPERARY (South): Aherlow (Alerlow) (all van Achterberg, 1979: pp 335 and 445);
WATERFORD: Dunmore East, swept in Malcolmson's Wood, ♂ 8.vii.1988, JPOC (NMI)
(O'Connor *et al.*, 1991: p. 452); WEXFORD: Hallyfort (van Achterberg, 1979: p. 335).
Ireland (Haliday, 1835: p. 26 as *Perilitus (Meteorus) chlorophthalmus* (Spinola) (misapplied
according to van Achterberg, 1979: p. 373), Northern Ireland).

HORMIINAE FOERSTER, 1862

***Hormius moniliatus* (Nees von Esenbeck, 1812)**

Ireland (Haliday, 1836: p. 53 as *Rogas (Hormius)*; Shenefelt 1975: p. 1145).

MACROCENTRINAE FOERSTER, 1862

***Macrocentrus bicolor* Curtis, 1833**

KILDARE: Kilkea Park, ♀ 5.ix.1937, AWS (NMI); MAYO: Old Head, ♂ 31.viii.1941, AWS
(NMI) (all O'Connor *et al.*, 1991: p. 452).

***Macrocentrus blandus* Eady and Clark, 1964**

DUBLIN: Glenasmole, ♀ 16.vii.1941, AWS (NMI); MAYO: Lough Cahasy, (Roonah, west of
Louisburgh), ♂ 3.vi.1942, AWS (NMI); SLIGO: Sligo, ♀ 9.vi.1960, AWS (NMI) (all
O'Connor *et al.*, 1991: p. 452).

***Macrocentrus collaris* (Spinola, 1808)**

synonym *Macrocentrus picipes* (Haliday, 1835)

Ireland (Haliday, 1835: p. 140 as *Helcon (Macrocentrus)*; Haliday, 1835: p. 140 as *Helcon*
(*Macrocentrus picipes*; Marshall, 1889: p. 197; Shenefelt, 1969: p. 149).

***Macrocentrus infirmus* (Nees von Esenbeck, 1834)**

ARMAGH: Poyntzpass, sweeping, September [1920], WFJ (Johnson, 1921: p. 107);
DONEGAL: Coolmore, in August [1912] (Johnson, 1913: p. 141); DUBLIN: North Bull
[Island], bred from a larva found on a sandhill, 105 ♀♀ June 1902, S. Kemp (Morley, 1907c:
p. 253); Phoenix Park, ♂ 28.ix.1986, C. van Achterberg (RMNH) (van Achterberg, 1993b: p.
43); TIPPERARY: Killaloe, 15-18.vi.1913, CM (IM).

Ireland (Haliday, 1835: p. 139 as *Helcon (Macrocentrus)*; Shenefelt, 1969: 156).

***Macrocentrus linearis* (Nees von Esenbeck, 1812)**

synonym *Macrocentrus abdominalis* (Fabricius, 1793) preocc.

KERRY: no locality, 1902, Donisthorpe (Morley, 1907c: p. 253 as *Macrocentrus abdominalis*).
Ireland (Haliday, 1835: p. 137 as *Helcon* (*Macrocentrus*); Shenefelt, 1969: 159).

***Macrocentrus marginator* (Nees von Esenbeck, 1812)**

ARMAGH: Poyntzpass, WFJ (Johnson, 1912: p. 79); same locality, in field, in July [1917],
WFJ (Johnson, 1918: p. 109); same locality, field, at Hog-weed, both sexes in August [1919],
one ♂ had the hind coxae entirely black, WFJ (Johnson, 1920a: p. 10); DONEGAL:
Coolmore, at flowers, WFJ (Johnson, 1916: p. 21); DOWN: Greencastle, abundant on
roadside, ♂ ♀ [August 1930], WFJ (Johnson, 1931: p. 139); DUBLIN: Dalkey, 2.vii.1913,
CM (IM).

Ireland (Haliday, 1835: p. 139 as *Helcon* (*Macrocentrus*); Marshall, 1889: p. 195; Shenefelt,
1969: p. 162).

***Macrocentrus nidulator* (Nees von Esenbeck, 1834)**

DUBLIN: Glenasmole, ♂ 6.viii.1952, AWS (NMI); KILDARE: Kiltel, ♀ 15.ix.1946, AWS
(NMI); Royal Canal, ♀ 10.ix.1944, AWS (NMI); LAOIS: Woodbrook, ♂ 13.viii.1950, AWS
(NMI); WICKLOW: Kilmacanogue, swept at marsh and stream, ♀ 15.viii.1982, JMOC (NMI)
(all O'Connor *et al.*, 1991: p. 452).

***Macrocentrus townesi* van Achterberg and Haeselbarth, 1983**

SLIGO: Streedagh, Sligo District, 2♀♀ 9.vii.1936, AWS (NMI)
(O'Connor *et al.*, 1991: p. 452).

MICROGASTRINAE NEES VON ESENBECK, 1814

***Apanteles annularis* (Haliday, 1834)**

Ireland (Shenefelt, 1972: p. 442; van Achterberg, 1997: p. 15 Irish lectotype ♀ (NMI)).

***Apanteles bicolor* (Nees von Esenbeck, 1834)**

synonym *Apanteles exiguus* (Haliday, 1834)

synonym *Apanteles umbellatarum* (Haliday, 1834)

Ireland (Nixon, 1973: p. 212 as *Apanteles exiguus*; van Achterberg, 1997: p. 85 Irish lectotype
♀ of *Microgaster umbellatarum* (NMI)).

***Apanteles bignelli* Marshall, 1885**

LIMERICK: Limerick, bred from *Euphdryas aurinia* (Rottemburg) (*Melitaea aurinia*) (Lepidoptera), F. Neale (Morley, 1936: p. 93); KERRY: no locality given but a large number were bred from larvae of *Euphdryas aurinia* (*Melitaea aurinia*) (Lepidoptera) collected in the west of the county (Wilkinson, 1935: p. 62).

Ireland (Shenefelt, 1972: p. 454).

***Apanteles brevicornis* (Wesmael, 1837)**

Ireland (Shenefelt, 1972: p. 456).

***Apanteles candidatenatatus* (Haliday, 1834)**

synonym *Apanteles coniferae* (Haliday, 1834)

Ireland (Shenefelt, 1972: p. 480 as *Apanteles coniferae*).

***Apanteles circumscriptus* (Nees von Esenbeck, 1834)**

Ireland (Shenefelt, 1972: p. 470).

***Apanteles contaminatus* (Haliday, 1834)**

Ireland (Haliday, 1834: p. 246 Mourne Mountains, Co. Down; Marshall, 1885: p. 197; Shenefelt, 1972: p. 481).

***Apanteles corvinus* Reinhard, 1881**

TIPPERARY: Killaloe, 1913, CM (Morley, 1936: p. 141).

British Isles (Nixon, 1973: p. 205).

***Apanteles decorus* (Haliday, 1834)**

Ireland (Shenefelt, 1972: p. 487; van Achterberg, 1997: p. 31 Irish lectotype ♀ (NMI)).

***Apanteles dilectus* (Haliday, 1834)**

Ireland (Shenefelt, 1972: p. 492; van Achterberg, 1997: p. 32 Irish lectotype ♀ (NMI)).

***Apanteles emarginatus* (Nees von Esenbeck, 1834)**

Ireland (Shenefelt, 1972: p. 497 as *Microgaster*).

***Apanteles exilis* (Haliday, 1834)**

DUBLIN: Killiney (Killiny), rarely, ♂♂ ♀♀ 2.vii.1913, CM (Morley, 1936: p. 119).

Ireland (Shenefelt, 1972: p. 504 ?Ireland).

***Apanteles falcatus* (Nees von Esenbeck, 1834)**

synonym *Microgaster equestris* Haliday, 1834

ARMAGH: Poyntzpass, in field at Hogweed, in July and August [1917], WFJ (Johnson, 1918: p. 109); same locality, fields, August [1920], WFJ (Johnson, 1921: p. 107); DONEGAL: Coolmore, at wild carrot *Daucus carota*, on roadside, [1917], WFJ (Johnson, 1918: p. 109). The species was erroneously recorded as *Eubazus flavipes* Haliday, 1835 in Johnson (1915: p. 133); DOWN: Rostrevor, July [1922], WFJ (Johnson, 1923: p. 38 as *Apanteles falcator*). Ireland (Shenefelt, 1972: p. 505; van Achterberg, 1997: p. 35 Irish lectotype ♀ and Irish paralectotype ♀ of *Microgaster equestris* (NMI)).

***Apanteles hilaris* (Haliday, 1834)**

Ireland (van Achterberg, 1997: p. 47 Irish lectotype ♀ (NMI)).

***Apanteles impurus* (Nees von Esenbeck, 1834)**

MAYO: Carrowmore Hill, 500 ft; Croaghpatrick, 2500 ft; Louisburgh, CM (Morley, 1911: p. 16 common).

***Apanteles infimus* (Haliday, 1834)**

Ireland (Nixon, 1972: p. 727).

***Apanteles lateralis* (Haliday, 1834)**

Ireland (Shenefelt, 1972: p. 551; van Achterberg, 1997: p. 51 Irish paralectotype ♀ (NMV) and paralectotypes 6♂♂ 3♀♀ (NMI)).

****Apanteles metacarpalis* Thomson, 1895**

DONEGAL (East): Magherabeg, ♀ 10.vi.1959, AWS (NMI: det. GEJN).

New to Ireland.

***Apanteles obscurus* (Nees von Esenbeck, 1834)**

synonym *Apanteles arenarius* (Haliday, 1834)

FERMANAGH: Tempo, both sexes bred by Sir C. Langham from *Melitaea artemis* (Johnson, 1919: p. 37).

Ireland (Shenefelt, 1972: p. 584; van Achterberg, 1997: p. 16 Irish lectotype ♀ from Portmarnock, Co. Dublin and Irish paralectotypes 3♂♂ 2♀♀ of *Apanteles arenarius* (NMI)).

***Apanteles octonarius* (Ratzeburg, 1852)**

MAYO: Louisburgh, a pair 15 July, CM (Morley, 1911: p. 16).

***Apanteles punctiger* (Wesmael, 1837)**

DUBLIN: Dalkey, ♂ 2.vii.1913, CM (Morley, 1936: p. 117).

Ireland (Shenefelt, 1972: p. 610).

***Apanteles sodalis* (Haliday, 1834)**

Ireland (Shenefelt, 1972: p. 632).

***Apanteles tetricus* Reinhard, 1880**

WATERFORD: Waterford, 5-6.vi.1913, CM (IM) (Morley, 1936: p. 92).

***Apanteles trachalus* Nixon, 1965**

Ireland (Shenefelt, 1972: p. 654; Nixon, 1976: p. 706 probably an introduced species in the British Isles, associated with the following lepidopteran pests of stored products:

Hofmannophila pseudospretella (Stainton), *Endrosis sarcitrella* (L.) (Oecophoridae); *Ephestia kuehniella* Zeller, *Plodia interpunctella* (Hübner) (Pyralidae) but the actual host preferences not yet known).

***Apanteles triangulator* (Wesmael, 1837)**

DUBLIN: North Bull Island, salt marsh, August 1960-1963, BH, det AWS (Healy, 1975: p. 236; Speight and Healy, 1977: p. 153); MAYO: Carrowmore Lough, 18 July, CM (Morley, 1911: p. 16).

***Apanteles xanthostigma* (Haliday, 1834)**

Ireland (Shenefelt, 1972: p. 664).

***Cotesia abjecta* (Marshall, 1885)**

MAYO: Bouris near Louisburgh, ♂ July, CM (IM) (Morley, 1911: p. 16 as *Apanteles*).

***Cotesia callida* (Haliday, 1834)**

MAYO: Carrowmore Hill, ♂ 18 July, CM (IM) (Morley, 1911: p. 16 as *Apanteles*);

WEXFORD: Longraigue, Foulks Mills, from a small cocoon attached to stems of cock's-foot (Rough Cocksfoot Grass) *Dactylis glomerata*, 46 emerged summer of 1920, Miss Deane, det. JNH and AWS (Moffat, 1922: p. 55 as *Apanteles*) (Stelfox considered that this Wexford material was probably incorrectly named according to his 1940 annotation of a copy of Marshall (1885: p. 221) in NMI).

***Cotesia fulvipes* (Haliday, 1834)**

DUBLIN: Dalkey, common on the wing, July 1913, CM (IM) (Morley, 1936: p. 162 as

Apanteles).

Ireland (Nixon, 1973: p. 180 as *Apanteles*, British Isles; van Achterberg 1997: p. 42 Irish lectotype ♀ (NMI)).

***Cotesia glomerata* (Linnaeus, 1758)**

Ireland (Stelfox, 1927: p. 233 as *Apanteles*, often find; Shenefelt, 1972: p. 519 as *Apanteles*).

***Cotesia immunis* (Haliday, 1834)**

Ireland (Nixon, 1976: p. 717 as *Apanteles*, commonest species of the group in the British Isles; van Achterberg, 1997: p. 47 Irish lectotype ♀ (NMI)).

***Cotesia inclusa* (Ratzeburg, 1844)**

CLARE: Killaloe, ♂ 17.vi.1913, CM (IM) (Morley, 1936: p. 142 as *Apanteles*).

Ireland (Shenefelt, 1972: p. 538 as *Apanteles*).

***Cotesia jucunda* (Marshall, 1885)**

Ireland (Morley, 1936: p. 116 as *Apanteles*, bred from *Pieris brassicae* (L.) (Lepidoptera); Shenefelt, 1972: p. 542 as *Apanteles*).

***Cotesia juniperatae* (Bouché, 1834)**

? synonym *Apanteles sericeus* (Nees von Esenbeck, 1834)

MAYO: Clare Island, ♂ July 1910, CM (IM) (Morley, 1911: p. 16 as *Apanteles sericeus*; Morley, 1936: p. 115 as *Apanteles sericeus*).

***Cotesia mygdonia* (Nixon, 1973)**

KILDARE: Kilkea Deerpark, ♀ (paratype) 4.vi.1937, AWS (Nixon, 1973: p. 182 as *Apanteles*, given as Carlow).

***Cotesia pallipes* (Reinhard, 1880)**

MAYO: Clare Island, a pair, CM; Lough Namucka, JNH; Louisburg, CM; Mulranny, PHG; Old Head, CM (Morley, 1911: p. 16 as *Apanteles pallidipes*).

***Cotesia popularis* (Haliday, 1834)**

Ireland (Shenefelt, 1972: p. 605 as *Apanteles*).

***Cotesia praepotens* (Haliday, 1834)**

Ireland (Shenefelt, 1972: p. 606 as *Apanteles*; van Achterberg, 1997: p. 68 Irish lectotype ♀ (NMI)).

***Cotesia ruficrus* (Haliday, 1834)**

WEXFORD: Kilmore Quay (Kilmore), 16-24.viii.1898, AB (Morley, 1936: p. 92 as *Apanteles*).

Ireland (Shenefelt, 1972: p. 617 as *Apanteles*; van Achterberg, 1997: p. 74 Irish paralectotype ♂ (NMV)).

***Cotesia spuria* (Wesmael, 1837)**

DOWN: Newcastle, reared from larvae of *Cynthia cardui* (L.) (*Pyrameis cardui*) (Lepidoptera), WFJ (Johnson, 1918: p. 109 as *Apanteles*); MAYO: Clare Island, common; Louisburg, common, CM (IM) (Morley, 1911: p. 16 as *Apanteles*).

Ireland (Shenefelt, 1972: p. 639 as *Apanteles*).

***Cotesia tibialis* (Curtis, 1830)**

synonym *Apanteles congestus* (Nees von Esenbeck, 1834)

ARMAGH: Armagh, August 1898, AB; DUBLIN: Dalkey, July 1913, CM; KERRY: Killarney, June, CM; WEXFORD: Kilmore Quay (Kilmore) (given as being in Armagh), August 1898, AB (Morley, 1936: p. 212 as *Microgaster*).

Ireland (Shenefelt, 1972: pp 476 as *Apanteles congestus*).

***Cotesia vanessae* (Reinhard, 1880)**

DOWN: Newcastle, bred from larvae of *Cynthia cardui* (L.) (*Pyrameis cardui*) (Lepidoptera), taken on the sandhills in August, WFJ (Johnson, 1913: p. 141 as *Apanteles*).

***Cotesia vestalis* (Haliday, 1834)**

synonym *Apanteles melitaeorum* Wilkinson, 1937

CARLOW: Kilcarrig Bridge, 2♂♂ 5♀♀ 21.v.1934, AWS (Wilkinson, 1937: p. 68 as *Apanteles melitaeorum*); FERMANAGH: no locality, from the cocoons of *Euphdryas aurinia* (Rottensburg) (*Melitaea aurinia*) (Lepidoptera), 13♂♂ 7.vi.1914, Major Robertson (Lyle, 1916: p. 163 as *Apanteles*); KILDARE: Athy, 5♂♂ 18-19.v.1933 and 3♂♂ 10♀♀, K. M. Dunlop (Wilkinson, 1937: p. 68 as *Apanteles melitaeorum*).

Ireland (Shenefelt, 1972: p. 569 as *Apanteles melitaeorum*).

***Cotesia vitripennis* (Curtis, 1830)**

British Isles (Nixon, 1973: p. 182 as *Apanteles*, widely distributed).

****Diolcogaster abdominalis* (Nees, 1834)**

CAVAN: Farrinseer, ♀ 8.v.1936, RCF (NMI: det. GEJN).

New to Ireland.

***Diolcogaster flavipes* (Haliday, 1834)**

Ireland (Haliday, 1834: p. 241 as *Microgaster*, very rare on hazel *Corylus* in Northern Ireland;

Marshall, 1885: p. 243 as *Microgaster*; Shenefelt, 1973a: p. 707 as *Microgaster*; van

Achterberg, 1997: p. 39 Irish lectotype ♀ (NMI)).

***Hygroplitis rugulosus* (Nees von Esenbeck, 1834)**

synonym *Microgaster infumatus* Haliday, 1834

Ireland (van Achterberg, 1997: p. 48 as *Microgaster infumatus*, Irish lectotype ♂ (NMV)).

***Hygroplitis russatus* (Haliday, 1834)**

Ireland (Haliday, 1834: p. 237 as *Microgaster*, very rare on the muddy coasts of Northern

Ireland; Marshall, 1885: pp 249-250 as *Microgaster*; Shenefelt, 1973a: p. 727 as *Microgaster*).

****Microgaster areolaris* Thomson, 1895**

DUBLIN: Lynch Park, 22.vi.1952, AWS (NMI: det. GEJN).

New to Ireland.

***Microgaster crassicornis* Ruthe, 1860**

Ireland (Marshall, 1885: p. 259 found rarely by Haliday on muddy coast of north Ireland;

Shenefelt, 1973a: p. 701).

***Microgaster fulvicrus* Thomson, 1895**

Ireland (Nixon, 1968: pp 45-46 also mentions var. A viz 7♀♀ from counties Dublin and

Wicklow; Shenefelt, 1973a: p. 707).

***Microgaster hospes* Marshall, 1885**

ARMAGH: Poyntzpass, in field at Angelica, August [1914], WFJ (Johnson, 1915: p. 133).

***Microgaster meridiana* (Haliday, 1834)**

synonym *Microgaster grandis* Thomson, 1895

Ireland (Nixon, 1968: p. 53 as *Microgaster grandis*; Shenefelt, 1973a: p. 712 as *Microgaster*

grandis).

***Microgaster messoria* Haliday, 1834**

synonym *Microgaster tibialis* Nees, 1834

ARMAGH: Poyntzpass, on *Angelica*, in August [1913], WFJ (Johnson, 1914: p. 67 as *Microgaster tibialis*); same locality, fields, August [1920], WFJ (Johnson, 1921: p. 107 as *Microgaster tibialis* var. *luctuosus*); DONEGAL: Coolmore, at Umbelliferae, [1914]; Portnoo and Dowros road, shore, [June 1919], WFJ (Johnson, 1915: p. 133 as *Microgaster tibialis* var. *vulgaris*; Johnson, 1920a: p. 10 as *Microgaster tibialis* var. *luctuosus*); MAYO: Achill, JNH; Belclare, JNH; Clare Island, June 1909 (Morley, 1911: p. 16 as *Microplitis tibialis*); DOWN: Rostrevor, July [1922], WFJ (Johnson, 1923: p. 38 as *Microgaster tibialis*).

***Microgaster opheltes* Nixon, 1968**

DOWN: Cranfield Point, ♀ (paratype) 1.vii.1957, AWS (USNM) (Nixon, 1968: p. 48).
Ireland (Shenefelt, 1973a: p. 720).

***Microgaster polita* Marshall, 1885**

DOWN: Tollymore Park, ♂ 5.vii.1961, AWS (NMI: unpublished record, det. GEJN).
Ireland (Nixon, 1968: p. 48; Shenefelt, 1973a: p. 723).

***Microgaster procera* Ruthe, 1860**

Ireland (Nixon, 1968: p. 45; Shenefelt, 1973a: p. 724).

***Microgaster rufipes* (Nees von Esenbeck, 1834)**

synonym *Microgaster globata* auctt not Linnaeus, 1758

ARMAGH: Poyntzpass, in field(s), in July [1913 and 1917], WFJ (Johnson, 1914: p. 67 as *Microplitis globatus* Nees; Johnson, 1918: p. 109 as *Microgaster globatus*); same locality, fields, August [1920], WFJ (Johnson, 1921: p. 107 as *Microgaster globatus*); DONEGAL: Coolmore, in August and September [1912], WFJ; same locality, at Umbelliferae on roadside, [1914], WFJ (Johnson, 1913: p. 141 as *Microgaster globatus*; Johnson, 1915: p. 133 as *Microgaster globatus*); Portnoo, June [1918], WFJ (Johnson, 1919: p. 37 as *Microgaster globatus*); Portnoo and Dowros road, shore, [1919], WFJ (Johnson, 1920a: p. 10 as *Microgaster globatus*); DOWN: Greencastle, ♂ ♀ common on roadside, ♂ ♀ [August 1930], WFJ (Johnson, 1931: p. 139 as *Microgaster globatus*); DUBLIN: North Bull Island, salt marsh, July 1960-1963, BH, det AWS (Healy, 1975: p. 236 as *Microgaster globata*; Speight and Healy, 1977: p. 153 as *Microgaster globata*); MAYO: Achill Sound, WFJ; Belclare, JNH;

Carrowmore Lough, CM (Morley, 1911: p. 16 as *Microplitis globatus*).

Ireland (Shenefelt, 1973a: p. 709 as *Microgaster globatus*).

***Microgaster stictica* Ruthe, 1858**

KERRY: Kenmare, ♀ 29.vii.[19]08, H. W. Andrews (Morley, 1908a: p. 276).

***Microplitis deprimator* (Fabricius, 1798)**

synonym *Microplitis sordipes* (Nees von Esenbeck, 1834)

MAYO: Carrowmore Lough, on reeds, ♀♀, CM (Morley, 1911: p. 16 as *Microplitis sordipes*).

****Microplitis fulvicornis* (Wesmael, 1837)**

WICKLOW: The Murrrough, ♂ 5.ix.1954, AWS (NMI: det. GEJN).

New to Ireland.

***Microplitis fumipennis* Ratzeburg, 1852**

Ireland (Nixon, 1970: p. 25 ex *Acronycta rumicis* L. (Lepidoptera) collected on 28.vii.1935, ♀ emerged June 1936, Stelfox Collection (USNM); Shenefelt, 1973a: p. 745).

****Microplitis lugubris* (Ruthe, 1860)**

DUBLIN: The Island, ♂ 10.vi.1943, AWS (NMI: det. AWS; conf. GEJN).

New to Ireland.

***Microplitis pseudomediana* Fahringer, 1937**

synonym *Microplitis mediana*: Marshall, 1885 misident.

[ANTRIM]: Belfast, in June [1913], WFJ; ARMAGH: Poyntzpass, in August [1913], WFJ (both Johnson, 1914: p. 67 as *Microplitis mediana*).

***Microplitis sofron* Nixon, 1970**

ANTRIM: Bushfoot, ♂ (paratype) June, AWS; KILDARE: no locality, ♂ ♀ (paratypes) May, AWS; WESTMEATH: Riverdale, ♀ (paratype) June, AWS (Nixon, 1970: p. 21).

Ireland (Shenefelt, 1973a: p. 759).

***Microplitis spectabilis* (Haliday, 1834)**

Ireland (Haliday, 1834: p. 236 as *Microgaster*, very rare in Northern Ireland; Marshall, 1885: p. 233; Shenefelt, 1973a: p. 760; van Achterberg, 1997: pp 76-77 Irish lectotype ♀ (NMI) and paralectotype ♀ (NMV)).

***Microplitis spinolae* (Nees von Esenbeck, 1834)**

ARMAGH: Poyntzpass, fields, August [1920], WFJ (Johnson, 1921: p. 107 as *Microplitis*

spinoliae).

Ireland (Haliday, 1834: p. 239 as *Microgaster*, infrequent on muddy shores in Northern Ireland).

****Microplitis trochanterata* Thomson, 1895**

WEXFORD: Inch, ♂ 15.vii.1937, AWS (NMI: det. GEJN).

New to Ireland.

***Microplitis xanthopus* (Ruthe, 1860)**

DUBLIN: North Bull Island, salt marsh, June 1960-1963, BH, det AWS (Healy, 1975: p. 236; Speight and Healy, 1977: p. 153).

Ireland (Nixon, 1970: p. 28; Shenefelt, 1973a: p. 769).

***Rasivalva calceata* (Haliday, 1834)**

Ireland (Haliday, 1834: p. 242 as *Microgaster*, ♀ once in a grass head in Northern Ireland; Shenefelt, 1973a: p. 774 as *Protomicroplitis*; van Achterberg, 1997: p. 21 holotype probably lost).

MIRACINAE VIERECK, 1918

***Mirax rufilabris* Haliday, 1833**

WEXFORD: Toome, 2♀♀ (including the lectotype of *Mirax spartii* Haliday, 1835) (Richards, 1957: p. 120).

Ireland (Shenefelt, 1973a: p. 678; van Achterberg, 1997: p. 74 Irish 2♀♀ (NMI)).

OPIINAE FOERSTER, 1862

***Ademon decrescens* (Nees von Esenbeck, 1812) (Fig. 4)**

Ireland (Haliday, 1836: p. 106 as *Rogas* (*Ademon*); Marshall, 1891: p. 13 taken by Haliday who found it almost gregarious on aquatic plants by the sides of rivers; Morley, 1916: p. 129).

***Apodesmia irregularis* (Wesmael, 1835)**

Ireland (Haliday, 1837: p. 211 as *Opius*; Marshall, 1891: p. 36 as *Opius*).

***Apodesmia rufipes* (Wesmael, 1835)**

Ireland (Haliday, 1837: p. 216 as *Opius*, Northern Ireland; Marshall, 1891: p. 48 as *Opius*).

***Apodesmia similis* (Szépligeti, 1896)**

CLARE: Derreen, host (*Phytomyza campanulae* Hendel (Diptera) in harebell *Campanula rotundifolia*) collected on 10.ix.1966, 2♀♀ emerged 3.iv.1967, 2♀♀ 4.iv.1967, ♀ 6.iv.1967, ♀ 8.iv.1967, GCDG (Fischer, 1969: p. 224 as *Opius*).

***Atormus victus* (Haliday, 1836) (Fig. 4)**

WICKLOW: Glen of the Downs (Glenn of the Downes), ♀ (van Achterberg, 1997: p. 88). Ireland (Haliday, 1836: p. 207 as *Opius*, very rarely in autumn on the banks of the River Shannon; Marshall, 1891: p. 25 as *Opius*; van Achterberg, 1997: p. 87 Irish lectotype ♀ (NMI)).

***Biosteres arenarius* Stelfox, 1959**

DUBLIN: The Island, north of Malahide, on the dunes, 2♀♀ 14.viii.1945, AWS; MAYO (West): Dooaghty, some twelve miles south of Louisburgh, on sand dunes, ♀ 8.ix.1941 and 4♀♀ 13.ix.1941, AWS (all Stelfox 1959b: p. 118 as *Opius* (*Biosteres*)).

***Biosteres bicolor* Wesmael, 1835**

Ireland (Haliday, 1837: p. 220 as *Opius*, one ♀ in Northern Ireland; Marshall, 1891: p. 52).

***Biosteres carbonarius* (Nees von Esenbeck, 1834)**

TIPPERARY: Killaloe, 8-15.vi.1913, CM (IM).

Ireland (Haliday, 1837: p. 218 as *Opius*).

***Biosteres haemorrhoeus* (Haliday, 1837)**

Ireland (Haliday, 1837: p. 219 as *Opius*, on a willow in Northern Ireland; Marshall, 1891: p. 53; van Achterberg, 1997: p. 45 Irish paralectotype ♀ (NMI)).

***Biosteres impressus* Wesmael, 1835**

Ireland (Haliday, 1837: p. 218 Northern and Western Ireland; Marshall, 1891: p. 52).

***Biosteres micans* (Stelfox, 1957)**

synonym *Opius nitidus* Stelfox, 1949 preocc.

KILDARE: Royal Canal, quarter mile west of Louisa Bridge, swept on margin of a field north of the canal, ♀ (type) 11.vii.1943, AWS (USNM) (Stelfox, 1949: p. 307 as *Opius nitidus*; Stelfox, 1957b: p. 212 synonymized).

***Biosteres placidus* Haliday, 1837**

Ireland (Haliday, 1837: p. 217 as *Opius*; Marshall, 1891: p. 57; van Achterberg, 1997: p. 67

Irish holotype ♀ (NMI).

***Biosteres rusticus* (Haliday, 1837)**

DONEGAL: Portnoo, cliff, June [1920], WFJ (Johnson, 1921: p. 107).

Ireland (Haliday, 1837: p. 218 as *Opius*, taken rarely in Northern Ireland on *Brassica rapa*;

Marshall, 1891: p. 55; van Achterberg, 1997: p. 75 Irish lectotype ♀ (NMI)).

***Biosteres sylvaticus* (Haliday, 1837)**

Ireland (Haliday, 1837: p. 219 as *Opius*, much rarer in Northern Ireland than *Biosteres*

wesmaelii; Marshall, 1891: p. 56; van Achterberg, 1997: p. 79 probable Irish lectotype ♀

(NMI), Irish ♂ (NMV)).

***Biosteres wesmaelii* (Haliday, 1837)**

Ireland (Haliday, 1837: p. 219 as *Opius*, not uncommon in Northern Ireland during May and

June; Marshall, 1891: p. 56; van Achterberg, 1997: pp 89-90 probable Irish lectotype ♀

(NMI), Irish paralectotype ♂ (NMV)).

***Chilotrichia blanda* (Haliday, 1837)**

Ireland (Haliday, 1837: p. 220 as *Opius*, on willows in Northern Ireland during May; Marshall,

1891: p. 54 as *Biosteres*; van Achterberg, 1997: p. 19 Irish lectotype ♂ (NMI)).

***Eurytenes abnormis* Wesmael, 1835**

Ireland (Haliday, 1837: p. 205 Northern Ireland; Marshall, 1891: p. 17).

***Opius ambiguus* Wesmael, 1835**

CLARE: Mullagh More, from *Phytomyza alpina* Goureau (Diptera) in common ragwort

Senecio jacobaea collected on 10.vi.1965, ♂ emerged 5.iv.1966, ♂ 8.iv.1966, ♀ 11.iv.1966, ♀

20.iv.1966 and ♀ 27.iv.1996, GCDG (Fischer, 1969: p. 220).

***Opius analis* Wesmael, 1835**

Ireland (Haliday, 1837: p. 208 Northern Ireland; Marshall, 1891: p. 28 Northern Ireland).

***Opius breviscapus* Thomson, 1895**

CLARE: Doolin, host reared from seeds collected on 29.viii.1966 (?*Phytomyza affinis* Fallén

(Diptera) in *Euphrasia* sp.), ♀ emerged July 1967, GCDG (Fischer, 1969: p. 220).

***Opius cingulatus* Wesmael, 1835**

Ireland (Haliday, 1837: p. 210).

***Opius crassipes* Wesmael, 1835**

Ireland (Haliday, 1837: p. 209 Northern Ireland; Marshall, 1891: p. 30).

***Opius decoratus* Stelfox, 1949**

DOWN: Hollywood, on shore, ♀ (paratype), 17.vii.1839, AHH (NMI); WEXFORD: Curracloe, swept together from rough pasture in front of hotel, which stands on the old coastal escarpment and overlooks the sandhills and marsh behind same, 2♂♂ ♀ (type, allotype, paratype), 16.vii.1937, AWS (all Stelfox, 1949: p. 307).

***Opius funebris* Wesmael, 1835**

CLARE: Lough Goller, host reared from stem (*Phytomyza cineracea* Hendel or *P. evanescens* (Hendel) (Diptera) in meadow buttercup *Ranunculus acris* (*acer*) collected on 13.vi.1965, ♀ emerged 12.iv.1966, GCDG (Fischer, 1969: p. 221).

***Opius instabilis* Wesmael, 1835**

Ireland (Haliday, 1837: p. 209 Northern Ireland; Marshall, 1891: p. 32).

***Opius levis* Wesmael, 1835**

?synonym *Opius apiculator* (Nees von Esenbeck, 1834)

Ireland (Haliday, 1837: p. 206 as *Opius apiculator*; Marshall, 1891: p. 24 as *Opius apiculator*).

***Opius lugens* Haliday, 1837**

Ireland (Haliday, 1837: p. 206; Marshall, 1891: p. 21; van Achterberg, 1997: p. 55 Irish paralectotype ♀ (NMV)).

***Opius maculipes* Wesmael, 1835**

Ireland (Haliday, 1837: p. 210 on a willow in Northern Ireland in May and a ♀ in August near the River Shannon; Marshall, 1891: p. 34).

***Opius nitidulator* (Nees von Esenbeck, 1834)**

Ireland (Haliday, 1837: p. 213 among willows in Northern Ireland; Marshall, 1891: p. 39).

***Opius ochrogaster* Wesmael, 1835**

CLARE: Derreen, the host (*Campanulomyza gyrans* Fallén (Diptera) in harebell *Campanula rotundifolia*) collected on 1.ix.1966, ♂ emerged 20.iv.1967, GCDG (Fischer, 1969: p. 222).

***Opius pendulus* Haliday, 1837**

Ireland (Haliday, 1837: p. 205 very rare in Northern Ireland; Marshall, 1891: p. 22; van Achterberg, 1997: Irish lectotype ♀ (NMI)).

***Opius pygmeator* (Nees von Esenbeck, 1834)**

Ireland (Haliday, 1837: p. 205).

***Opius singularis* Wesmael, 1835**

synonym *Opius spretus* Haliday, 1837

Ireland (Haliday, 1837: p. 207 as *Opius spretus*, Northern Ireland at the beginning of October and on the banks of the River Shannon; Marshall, 1891: p. 25 as *Opius spretus*).

***Opius tenellae* Fischer, 1969**

CLARE: Mullagh More, host (ex *Phytomyza tenella* Meigen (= *Phytomyza pedicularis* Hering) (Diptera) det. GCDG) in seeds of marsh lousewort *Pedicularis palustris* collected on 29.viii.1966, ♀ emerged early July 1967, 2♂♂ ♀ 18.vi.1967, ♂ 19.vi.1967 and ♀ (holotype) 18.vi.1967, GCDG (NMI) (Fischer, 1969: pp 218-220).

***Opius tenuicornis* Thomson, 1895**

DONEGAL (West): Lough Eske, south west shore, ♀ 12.viii.1938, AWS; DUBLIN: River Liffey in Sarsfield Estate, Lucan, ♀ 22.vi.1943; same locality, ♀ 5.viii.1943, AWS (Stelfox, 1948a: p. 7 all swept under trees and near water).

***Opius vindex* Haliday, 1837**

Ireland (Haliday, 1837: p. 210 Northern Ireland; Marshall, 1891: p. 29).

***Phaedrotoma caesa* (Haliday, 1837)**

Ireland (Haliday, 1837: p. 215 as *Opius*, found rarely in damp meadows; Marshall, 1891: p. 45 as *Opius*; Hedqvist, 1978: p. 287 as *Opius*; van Achterberg, 1997: p. 20, lectotype ♀ probably from Ireland and Irish paralectotypes (NMI, NMV)).

***Phaedrotoma depeculator* Foerster, 1862**

synonym *Opius semiaciculatus* Stelfox, 1949

DUBLIN: Rogerstown dunes, ♀ (type) 29.vii.1943, AWS (Stelfox, 1949: p. 308); Royal Canal, ♂ (König, 1972: p. 99); 'The Island', Malahide, from dunes, ♂ (allotype) 14.viii.1945, AWS (Stelfox, 1949: p. 308 as *Opius*, described from 3♂♂ 16♀♀ from counties Dublin, Kildare, Louth and Wicklow, on dates from 19 July to 3 October (mostly from sea level on coastal dunes in Co. Dublin to 900 ft at Athdown in Upper Liffey Valley, Co. Wicklow)).

***Phaedrotoma exigua* (Wesmael, 1835)**

CLARE: Mullagh More, the host *Phytomyza alpina* Goureau (Diptera) in common ragwort

Senecio jacobaea was collected 10.vi.1965, ♂ emerged 4.ix.1966, GCDG (Fischer, 1969: p. 221 as *Opius*).

Ireland (Haliday, 1837: p. 206 as *Opius*).

***Phaedrotoma heringi* (Fischer, 1962)**

CLARE: Mullagh More, reared from host in seeds (*Phytomyza tenella* Hering (= *Phytomyza pedicularis* Hering) (Diptera) in marsh lousewort *Pedicularis palustris*) collected on 29.viii.1966, 2♂♂ emerged 14 and 26.vi.1967, GCDG (Fischer, 1969: p. 221 as *Opius*).

***Phaedrotoma pulchriceps* (Szépligeti, 1898)**

synonym *Opius ilicis* Nixon, 1939

DUBLIN: Glenasmole, ♀ 30.viii.1935, J. F. Perkins; KILDARE: Kilkea Park, ♂ 2♀♀ 4.vii.1937, AWS (Nixon, 1939b: p. 81 as *Opius ilicis*).

***Phaedrotoma reconditor* (Wesmael, 1835)**

synonym *Opius docilis* Haliday, 1837

Ireland (Haliday, 1837: p. 212 as *Opius docilis*, taken once on the banks of the River Shannon in autumn; Marshall, 1891: p. 38 as *Opius docilis*; van Achterberg, 1997: p. 33 holotype ♂ of *Opius docilis* from Shannon River (NMI)).

***Phaedrotoma rudis* (Wesmael, 1835)**

Ireland (Hedqvist, 1978: p. 287 as *Opius*).

***Phaedrotoma tacita* (Haliday, 1836)**

Ireland (Haliday, 1836: p. 208 as *Opius*, Northern Ireland; Marshall, 1891: p. 26 as *Opius*).

***Phaedrotoma variegata* (Szépligeti, 1896)**

CLARE: Paulavallan, host (*Cerodontha* (*Poemyza*) *pygmaea* Meigen (Diptera) in false brome *Brachypodium sylvaticum* (*sylvaticum*)) collected on 30.viii.1966, ♀ emerged 11.iv.1967, 2♀♀ 16.iv.1967, GCDG (Fischer, 1969: p. 226 as *Opius*).

***Xynobius caelatus* (Haliday, 1837)**

CAVAN: Virginia, swept in woodland glades with bluebells *Hyacinthoides*, ♀ 30.v.1982, JMOC (NMI) (O'Connor *et al.*, 1991: p. 452 as *Opius*); DUBLIN: Glenasmole, frequently taken sweeping cow parsnip *Heracleum* etc., in a mixed plantation in the waterworks, late May to early June 1937-1941, AWS (Stelfox 1951b: p. 113 as *Opius*); MAYO (West): Old Head, ♀ 31.v.1942, AWS (Stelfox, 1951b: p. 113 as *Opius*); WICKLOW: Drumgoff, Glenmalure, ♀

30.v.1940, AWS (Stelfox, 1951b: p. 113 as *Opius*).

Xynobius comatus (Wesmael, 1835)

Ireland (Haliday, 1837: p. 216 as *Opius*; Marshall, 1891: p. 49 as *Opius*).

ORGILINAE FOERSTER, 1862

Orgilus obscurator (Nees von Esenbeck, 1814)

MAYO: Carrowmore Lough, CM; Clare Island, ♂, CM (Morley, 1911: p. 16).

Ireland (Marshall, 1885: p. 278).

Orgilus pimpinellae Niezabitowski, 1910

synonym *Orgilus laevigator* auctt., same as Nees von Esenbeck, 1814?

Ireland (Haliday, 1835: p. 147 as *Microdus laevigator* Nees von Esenbeck).

PAMBOLINAE MARSHALL, 1885

Chremylus elaphus Haliday, 1833

synonym *Chremylus rubiginosus* (Nees von Esenbeck, 1834)

Ireland (Haliday, 1836: p. 51 as *Rogas (Chremylus) rubiginosus*; Shenefelt, 1975: p. 1156).

RHYSIPOLINAE BELOKOBYSKIJ, 1984

Rhysipolis meditator (Haliday, 1833)

Ireland (van Achterberg, 1997: p. 58 Irish lectotype ♂ (NMI)).

RHYSSALINAE FOERSTER, 1862

Dolopsidea indagator (Haliday, 1836)

KERRY: Darrynane, ♂ vii.1934, AWS (Stelfox, 1951a: pp 90-93 as *Dolops*); Killarney, 7-13.vi.1913, CM (IM).

Ireland (Shenefelt, 1975: p. 1214 as *Rhyssalus*).

Oncophanes laevigatus (Ratzeburg, 1852)

synonym *Oncophanes lanceolator* (Nees von Esenbeck, 1834) preocc.

TIPPERARY: Killaloe, 16.vi.1913, CM (IM).

Ireland (Haliday, 1836: p. 59 as *Rogas (Colastes) lanceolator*; Marshall, 1885: p. 59 as

Oncophanes lanceolator; Shenefelt, 1975: p. 1127).

***Rhyssalus clavator* Haliday, 1833**

Ireland (Haliday, 1836: p. 54 as *Rogas* (*Rhyssalus*); Stelfox, 1951a: p. 90; Shenefelt, 1975: p. 1213; van Achterberg, 1997: p. 26 Irish paralectotypes 4♂♂ 3♀♀ (NMI)).

ROGADINAE FOERSTER, 1862

***Aleiodes albitibia* (Herrich-Schäffer, 1838)**

synonym *Aleiodes heterogaster* (Wesmael, 1838)

WICKLOW: Athdown, ♂ 12.vi.1940, AWS; Glen of Imaal, near Leitrim Barracks, ♂ 21.vii.1940, AWS (both amongst birch *Betula* scrub about 900 ft altitude) (Stelfox, 1944a: p. 68 as *Rogas heterogaster*, specimens also bred by Dr A. M. Gwynn from larvae of *Notodonta dromedarius* L. (Lepidoptera) taken on birch *Betula* at Athdown in 1933 and 1938).

Ireland (Shenefelt, 1975: p. 1176 as *Aleiodes heterogaster*).

***Aleiodes bicolor* (Spinola, 1808)**

synonym *Aleiodes ater* (Curtis, 1834)

MAYO: Carrowmore Lough, Louisburgh, on reeds, ♀ July 1909, CM (Morley, 1911: p. 16 as *Rhogas bicolor* var. *ater*; Morley, 1916: p. 111 as *Rhogas*); WEXFORD: Duncannon, swept from hedgerow in lane, ♀ 9.vi.1982, JPOC (NMI) (O'Connor *et al.*, 1991: p. 451); Kilmore Quay (Kilmore), 1.ix.1898, AB (Morley, 1916: p. 111 as *Rhogas*, half-red females).

Ireland (Haliday, 1836: p. 101 as *Rogas*; Marshall, 1885: p. 96 as *Rhogas*, generally, according to Haliday, on sandy sea-coasts; Shenefelt, 1975: p. 1166).

[*Aleiodes carbonarius* (Giraud, 1857)

WICKLOW: Powerscourt, ♂ 15.vi.1926, AWS (Stelfox, 1944a: p. 68 as *Rogas*. Stelfox was not satisfied of its identity, an opinion which was correct).

Ireland (Shenefelt, 1975: p. 1220).]

***Aleiodes circumscriptus* (Nees von Esenbeck, 1834)**

synonym *Aleiodes testaceus*: Haliday, 1833 misident.

DONEGAL: Coolmore, on roadside at Umbelliferae, ♀ [1914], WFJ (Johnson, 1915: p. 133 as *Rhogas*); KERRY: no locality, Donisthorpe (Morley, 1916: p. 126 as *Rhogas*); MAYO: Achill, JNH and WFJ; Brackloon Wood, PHG; Clare Island, CM and JNH; Knappagh, PHG (Morley,

1911: p. 16 as *Rhogas*, common).

Ireland (Curtis, 1834: pl 512 taken in Ireland by Mr Haliday; Haliday, 1836: p. 102 as *Rogas testaceus*; Stelfox, 1944a: p. 68 as *Rogas*; Shenefelt, 1975: p. 1170).

***Aleiodes coxalis* (Spinola, 1808)**

synonym *Aleiodes tristis* Wesmael, 1838

Ireland (Stelfox, 1944a: p. 68 as *Rogas tristis*, a common species; Shenefelt, 1975: p. 1183 as *Aleiodes tristis*).

***Aleiodes dimidiatus* (Spinola, 1808)**

KERRY: no locality, 1902, Donisthorpe (Morley, 1916: p. 110 as *Rhogas*).

***Aleiodes dispar* (Haliday, 1833) (Fig. 6)**

synonym *Rogas dispar* (Curtis, 1834)

Ireland (Curtis, 1834: pl 512, on Larches, in Autumn Mr Haliday; Haliday, 1836: p. 104 as *Rogas dispar*, Northern Ireland; Marshall, 1885: p. 87 as *Heterogamus*; Shenefelt, 1975: p. 1201 as *Heterogamus*; van Achterberg, 1985: p. 181 probably; van Achterberg, 1997: p. 33 lectotype ♀ probably from Ireland (NMI)).

***Aleiodes dissector* (Nees von Esenbeck, 1834)**

Ireland (Marshall, 1885: p. 89 as *Rhogas*, according to Haliday, is not rare in Ireland, frequenting umbelliferous flowers in autumn).

***Aleiodes ductor* (Thunberg, 1822)**

synonym *Rogas reticulator* Nees von Esenbeck, 1834

ARMAGH: Poyntzpass, in July, WFJ (Johnson, 1913: p. 141 as *Rhogas reticulator*);

LEITRIM: Tullaghan, in a grassfield, ♂ 3.viii.1938, AWS (Stelfox, 1944a: p. 69 as *Rogas reticulator*).

Ireland (Marshall, 1885: p. 90 as *Rhogas reticulator*, ♂ taken by Haliday near Holywood, Belfast; Morley, 1916: p. 109 as *Rhogas reticulator*; Shenefelt, 1975: p. 1226).

***Aleiodes excavatus* (Telenga, 1941) (Fig. 5)**

KERRY (South): Darvynaneinsh; MEATH: Agher; SLIGO: Trawallua; WICKLOW: Coan, Glen of Imaal (Haeselbarth, 1970: p. 175 as *Heterogamus*).

***Aleiodes gasterator* (Jurine, 1807)**

ARMAGH: Poyntzpass, on hill and in field, July [1914], WFJ; same locality, hill, July [1919],

WFJ; same locality, field at Hog-weed, August [1919], WFJ (Johnson, 1915: p. 133 as *Rhogas*; Johnson, 1920a: p. 10 as *Rhogas*); MAYO: Belclare, July, JNH; Carrowmore Lough, on reeds, ♂♂ ♀♀ July, CM; Clare Island, ♂ June, WFJ (all Morley, 1911: p. 16 as *Rhogas*; Morley, 1916: p. 111 mentions that material from Louisburgh was misnamed and should be *Rhogas geniculator* (now *Aleiodes*)).

***Aleiodes alternator* (Nees von Esenbeck, 1834) (Plate IV)**

synonym *Aleiodes geniculator* (Nees von Esenbeck, 1834)

synonym *Rogas balteatus* Curtis, 1834

DONEGAL: Portnoo, June [1918], WFJ (Johnson, 1919: p. 37 as *Rhogas*); same locality, cliff, June [1920], WFJ (Johnson, 1921: p. 107 as *Rhogas*); MAYO: Louisburgh, 17.vii.1910 (Morley, 1916: p. 111 as *Rhogas*, misnamed as *Rhogas gasterator*).

Ireland (Curtis, 1834: no 512 as *Rogas balteatus*, near the harbour of Donaghadee, Co. Down; Haliday, 1836: p. 100 as *Rogas alternator*, Northern Ireland; Marshall, 1885: p. 94 as *Rhogas geniculator* var *balteatus*; Shenefelt, 1975: p. 1173 as *Aleioides geniculator*; van Achterberg, 1997: p. 18 explains synonymy).

***Aleiodes heterostigma* (Stelfox, 1953)**

KILDARE: Rye Water, in marsh above the river north-east of Louisa (mispelt Louist) Bridge (over the Royal Canal), ♂ ♀ (paratypes), AWS (BMNH), also various occasions towards the latter end of June or in July, AWS; LAOIS: north of Woodbrook House, near Emo Park, ♂ (allotype) ♀ (type) 26.vii.1938, AWS (all Stelfox, 1953e: p. 146 as *Rogas*).

Ireland (Shenefelt, 1975: p. 1233 as *Rogas*).

***Aleiodes nigricornis* (Wesmael, 1838)**

ANTRIM: no locality (Stelfox, 1944a: pp 68-69 as *Rogas*); ARMAGH: Poyntzpass, stable window, August [1920], WFJ (Johnson, 1921: p. 107 as *Rhogas*); DONEGAL (East and West): no locality; DUBLIN: no locality; KILDARE: no locality; SLIGO: no locality; WICKLOW: no locality (all Stelfox, 1944a: pp 68-69 as *Rogas*, specimens were taken from 23 May-17 October).

Ireland (Shenefelt, 1975: p. 1178).

***Aleiodes nobilis* (Haliday, 1834)**

Ireland (Curtis, 1834: pl 512 as *Rogas nobilis*, on Umbelliferae near Holywood, Mr Haliday;

Haliday, 1836: p. 99 as *Rogas nobilis*, Northern Ireland; van Achterberg, 1997: p. 62 ♂ from Holywood, Co. Down, not traced).

***Aleiodes pulchripes* Wesmael, 1838**

DUBLIN: St Anne's, Clontarf, ♀ July 1935, EOM (Stelfox, 1944a: p. 68 as *Rogas*).
Ireland (Shenefelt, 1975: p. 1245 as *Rogas*).

***Aleiodes punctipes* Thomson, 1891**

DUBLIN: Bog of the Ring, September 1902, JNH; WICKLOW: north of Killoughter, swept beside a marsh drain inland of the railway, ♂ ♀ 21.viii.1938, AWS (all Stelfox, 1944a: p. 68 as *Rogas*).

Ireland (Shenefelt, 1975: p. 1180).

***Aleiodes rugulosus* (Nees von Esenbeck, 1812)**

CAVAN: Arva Road, station, from dried skin of an *Apatele* (prob. *A. rumicis* L.) (Lepidoptera) collected on 14.ii.1937 with seed heads of *Centaurea nigra*, ♀ em 20.vi.1937, RCF (Stelfox, 1944a: p. 68 as *Rogas*).

Ireland (Haliday, 1836: p. 98 as *Rogas*; Shenefelt, 1975: p. 1247 as *Rogas*).

***Aleiodes seriatus* (Herrich-Schäffer, 1838)**

synonym *Aleiodes vittiger* Wesmael, 1838

KILDARE: Kilkea Park, ♂ ♀ 4.vii.1937, AWS; WICKLOW: Ballinaclea, Glen of Imaal, ♂ 28.vii.1940, AWS (Stelfox, 1944a: p. 69 as *Rogas vittiger*).

Ireland (Shenefelt, 1975: p. 1185 as *Aleiodes vittiger*).

[*Aleiodes testaceus* auct.]

Ireland (Stelfox, 1944a: p. 68 occurred to me in Ireland as *Rogas*; Shenefelt, 1975: p. 1254).
Stelfox's record may refer to *Rogas luteus* (Nees von Esenbeck, 1834).]

***Aleiodes unipunctator* (Thunberg, 1822)**

synonym *Rogas irregularis* (Wesmael, 1838)

ARMAGH: Poyntzpass, in field, in July [1917], WFJ (Johnson, 1918: p. 109 as *Rhogas irregularis*); same locality, fields, August [1920], WFJ (Johnson, 1921: p. 107 as *Rhogas irregularis*); same locality, field at hogweed, July and August [1921], WFJ (Johnson, 1922b: p. 70 as *Rhogas irregularis*).

Ireland (Shenefelt, 1975: p. 1254).

***Clinocentrus cunctator* (Haliday, 1836)**

Ireland (Haliday, 1836: p. 95 as *Rogas (Clinocentrus)*, Western Ireland; Marshall, 1885: p. 83; Shenefelt, 1975: p. 1188; van Achterberg, 1997: p. 29 Irish lectotype ♀ (NMI)).

***Clinocentrus excubitor* (Haliday, 1836)**

Ireland (Haliday, 1836: p. 95 as *Rogas (Clinocentrus)*; Marshall, 1885: p. 80; Shenefelt, 1975: p. 1189).

***Clinocentrus umbratilis* Haliday, 1833 (Fig. 7)**

Ireland (Haliday, 1836: p. 95 as *Rogas (Clinocentrus)*; Morley, 1916: p. 129; Shenefelt, 1975: p. 1192; van Achterberg, 1997: p. 85 Irish holotype ♀ (NMI)).

***Clinocentrus vestigator* Haliday, 1836**

Ireland (Haliday, 1836: p. 96 as *Rogas (Clinocentrus)*; Marshall, 1885: p. 83; Morley, 1916: p. 129; Shenefelt, 1975: p. 1192; van Achterberg, 1997: p. 87 Irish lectotype ♀ and paralectotypes 2♂♂ ♀ (NMI)).

Acknowledgements

The authors are indebted to the following for their invaluable assistance:- Mike Boston, Liam Lysart (Wildlife Officer of The Heritage Council), Katherine Watkins (Librarian, of the Royal Entomological Society) and John Walsh. They are very grateful to The Heritage Council for a publication grant for the catalogue. J. P. O'Connor wishes to thank the Smithsonian Institution for returning part of the Stelfox Collection to the National Museum of Ireland and to the staff of its Department of Entomology for their generous assistance and many kindnesses during his visit there.

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FIGURE 1: the counties of Ireland.

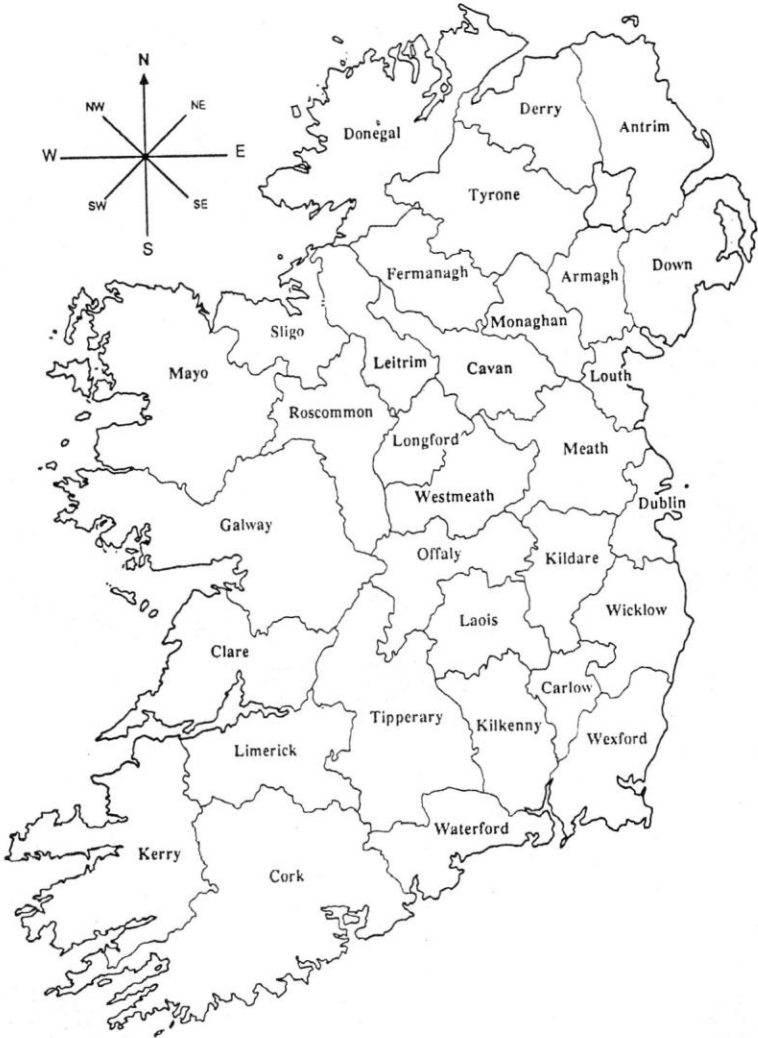


FIGURE 2: *Leptotrema dentifemur* (Stelfox, 1943).

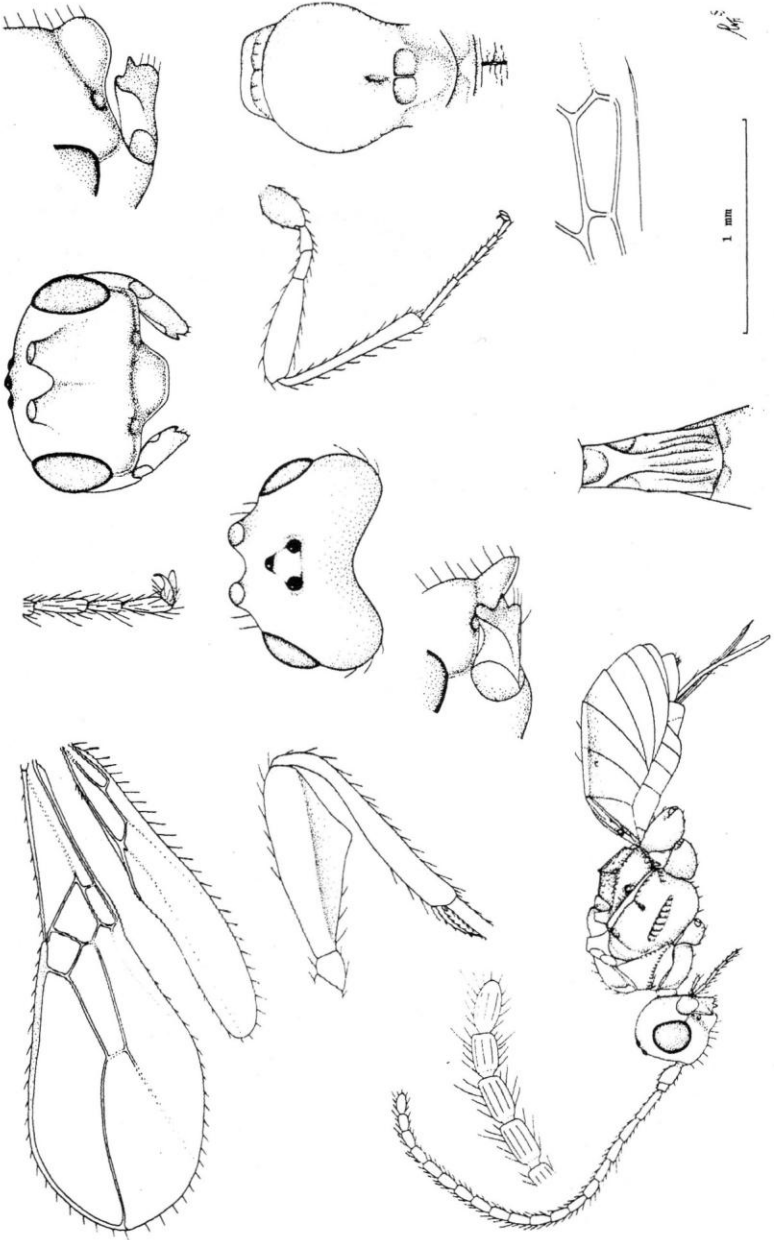


FIGURE 3: *Gnamptodon pumilio* (Nees von Esenbeck, 1834).

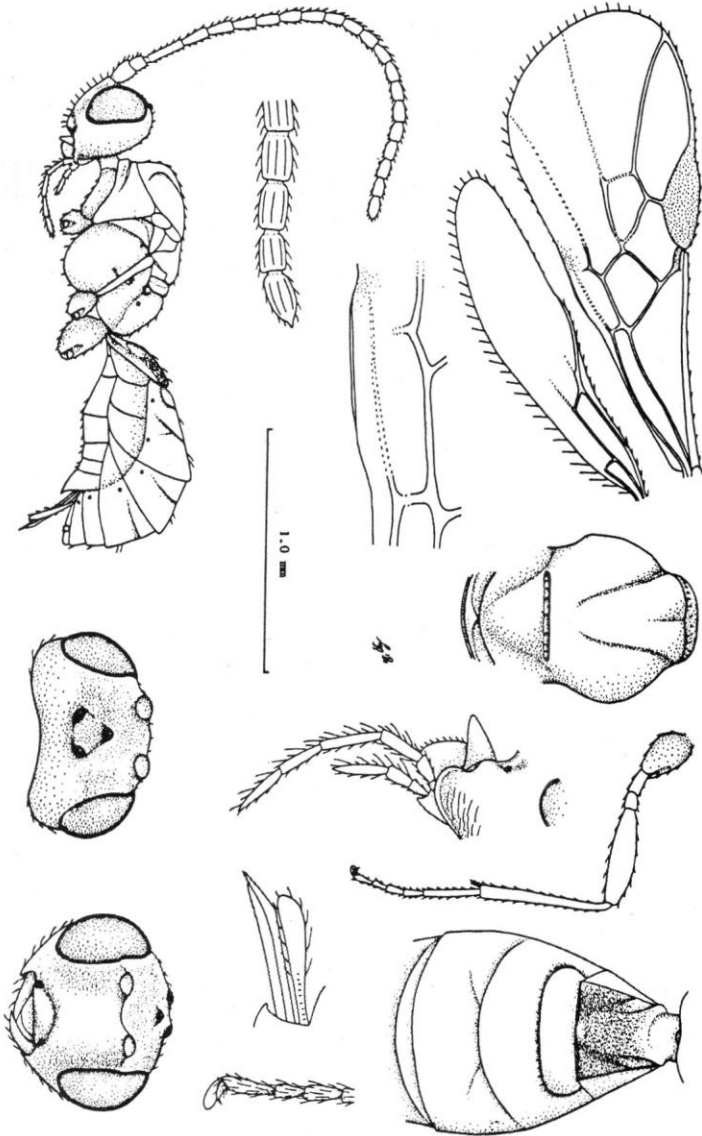


FIGURE 4: *Ademon decrescens* (Nees von Esenbeck, 1812).

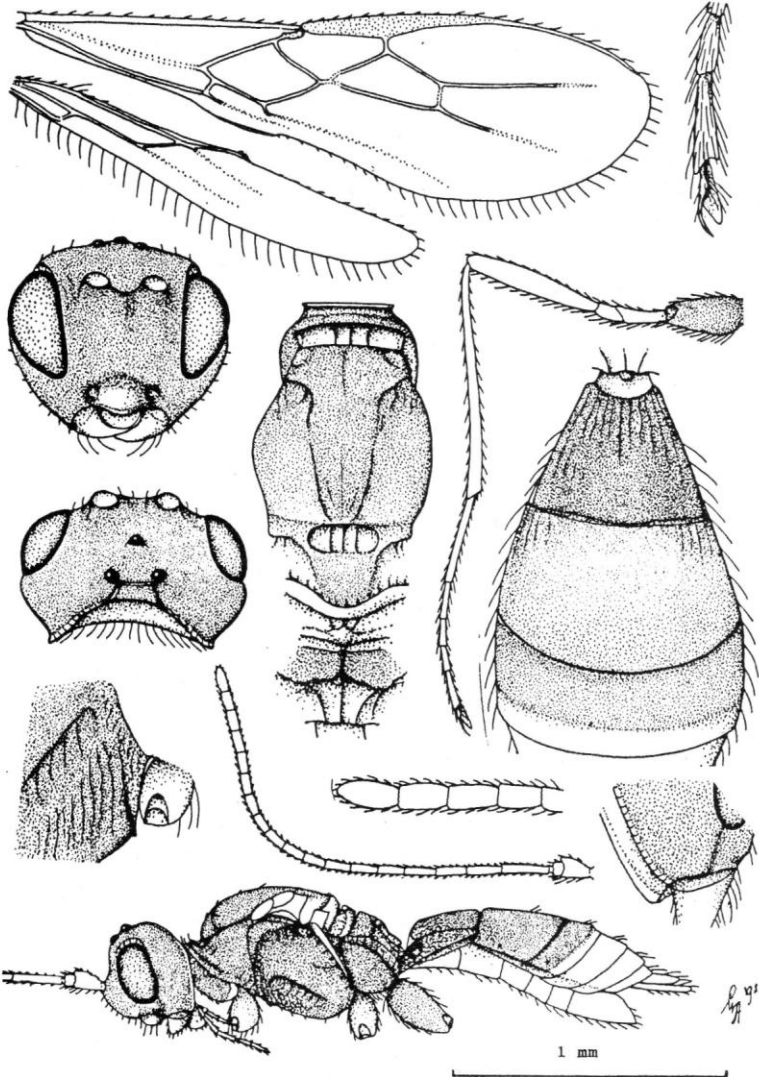


FIGURE 5: *Atormus victus* (Haliday, 1836).

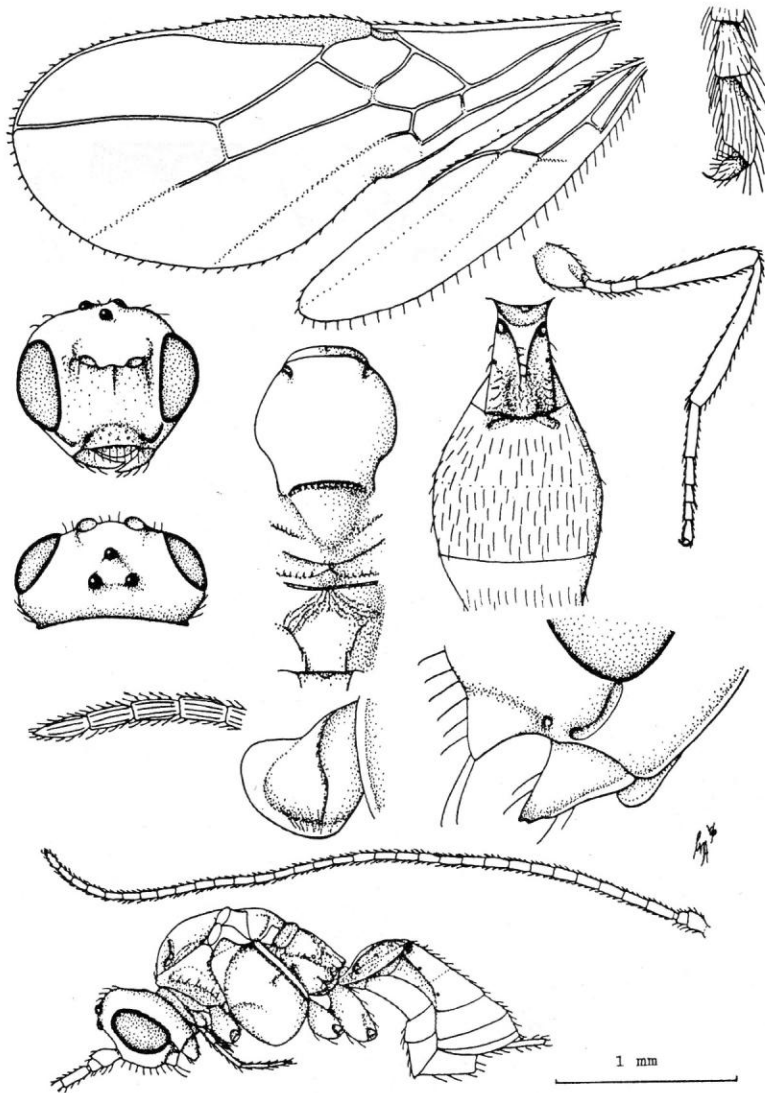


FIGURE 6: *Aleiodes excavatus* (Telenga, 1941) (upper) and *Aleiodes dispar* (Haliday, 1833) (lower).

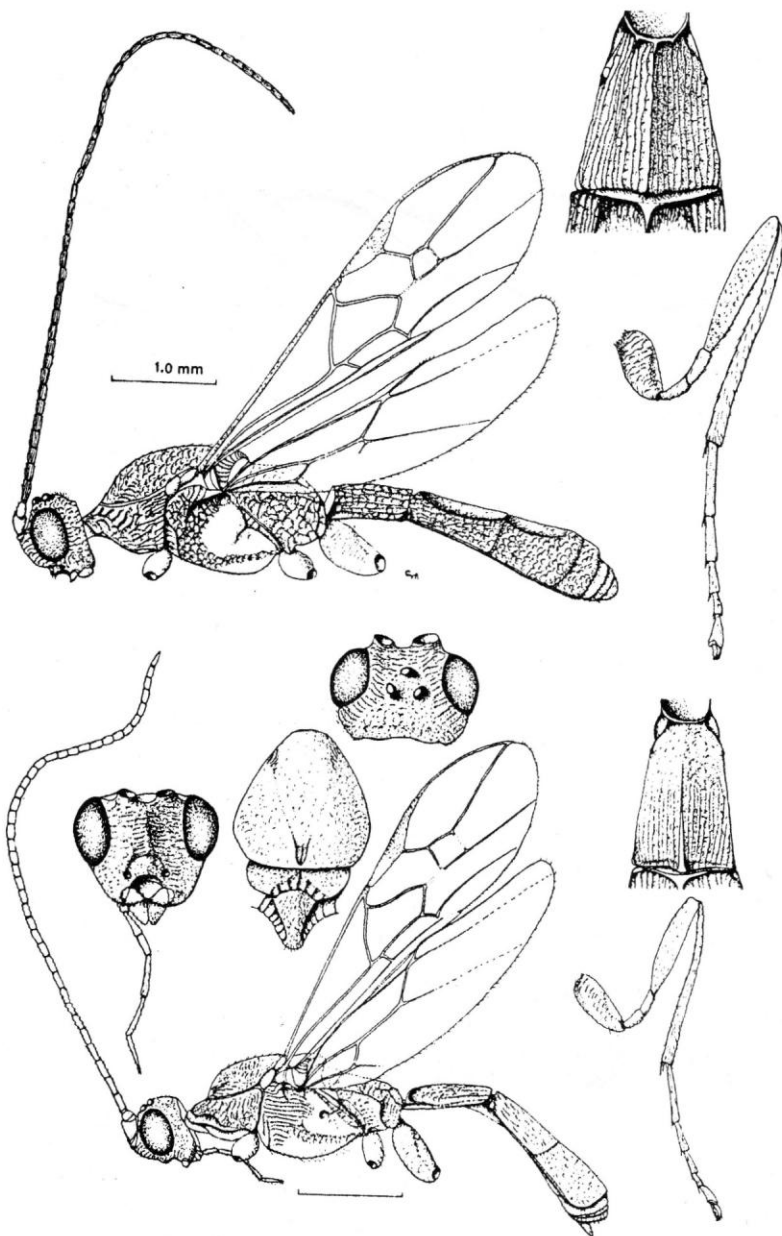
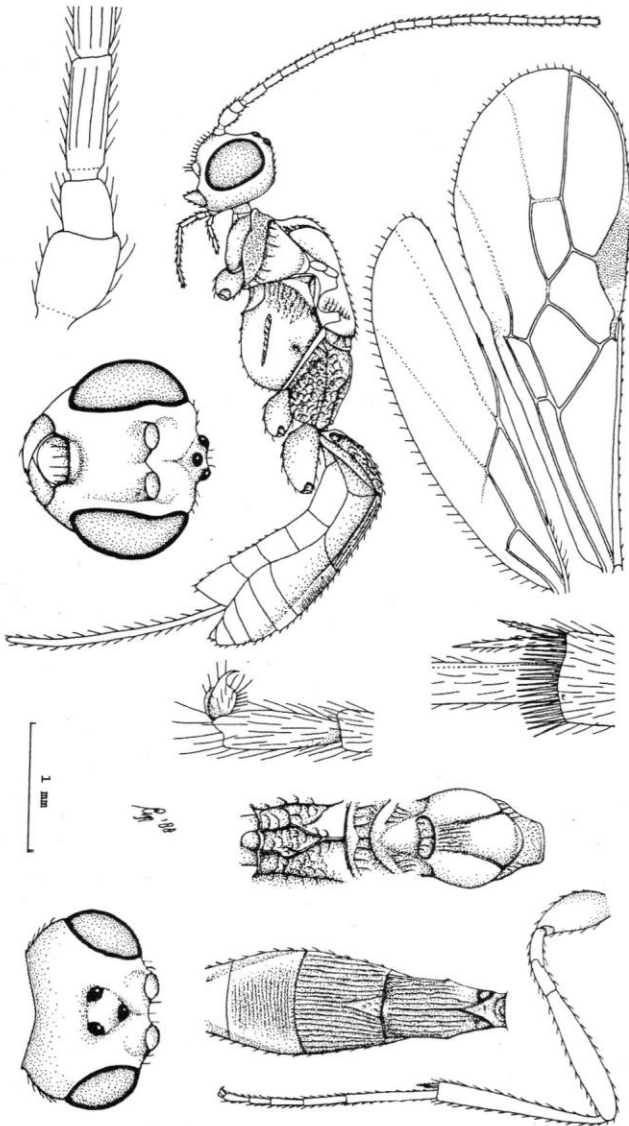


FIGURE 7: *Clinocentrus umbratilis* Haliday, 1833.



**APPENDIX 1. Plates I-IV: Irish braconids illustrated by John Curtis in
*British Entomology.***

Plate I: *Coelinus parvulus* (Nees von Esenbeck, 1812)

synonym *Coelinus anceps* (Curtis, 1829)

Originally illustrated on plate 289 as *Chaenon anceps*. The accompanying plant is Purple-Loosestrife (Purple-spiked Willow-herb) *Lythrum salicaria*. The original text is reproduced on pages 108-109.

Plate II: *Trioxyis cirsii* (Curtis, 1831)

synonym *Aphidius aceris* Haliday, 1833

Originally illustrated on plate 383 as *Aphidius cirsii*. The accompanying plant is Blue Anemone (Mountain Anemone) *Anemone apennina*. The original text is reproduced on pages 110-111.

Plate III: *Leiophron apicalis* Haliday, 1833

Originally illustrated on plate 476 as *Leiophron apicalis*. The accompanying plant is Creeping Jenny (Money-wort) *Lysimachia nummularia*. The original text is reproduced on pages 112-113.

Plate IV: *Aleiodes alternator* (Nees von Esenbeck, 1834)

synonym *Aleiodes geniculator* (Nees von Esenbeck, 1834)

synonym *Rogas balteatus* Curtis, 1834

Originally illustrated on plate 512 as *Rogas balteatus*. The accompanying plant is Shepherd's Cress (Naked-stalked Candy-tuft) *Teesdalia nudicaulis* (*Iberis (Teesdalia) nudicaulis*). The original text is reproduced on pages 114-115.

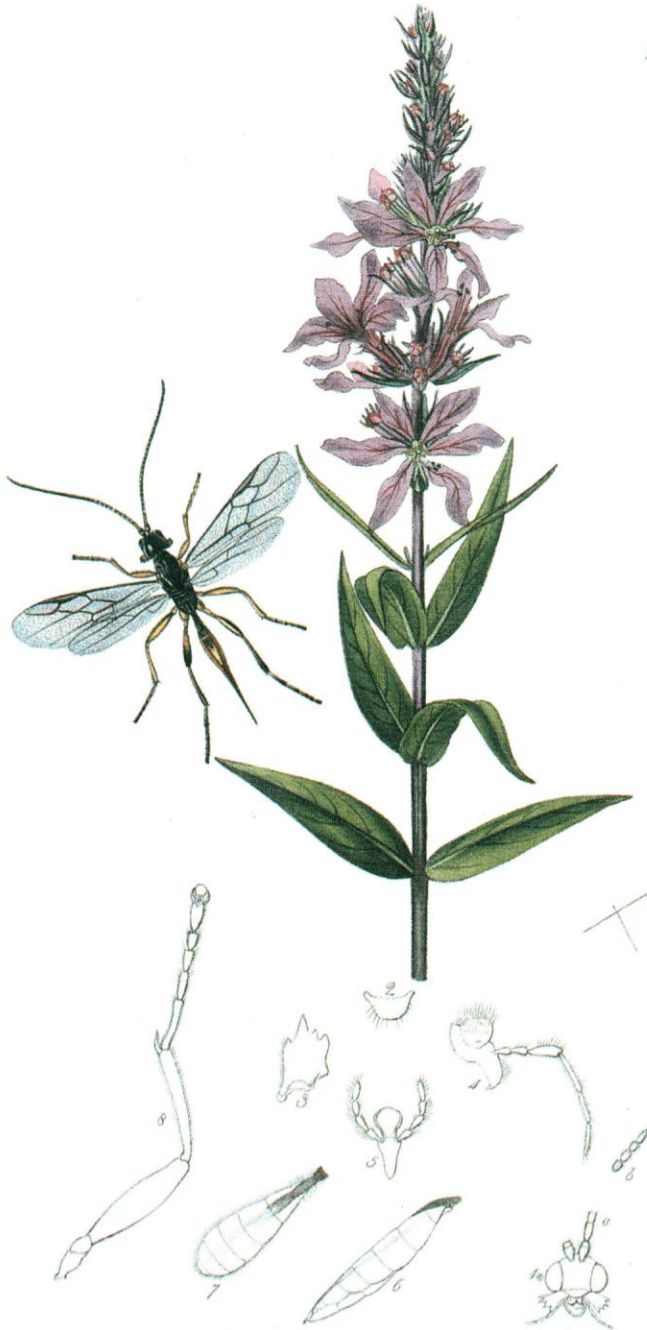


Plate by C. Costa. Dec. 1. 1874

Plate 1



Plate 2

CHÆNON ANCEPS.

ORDER Hymenoptera. FAM. Ichneumonidæ Lat., Leach.

Type of the Genus, Chænon Anceps, Hal.

CHÆNON Hal., MSS., Curt.

Antennæ inserted in the middle of the face, approximating, as long as the body, nearly filiform, pubescent, composed of numerous subquadrate joints, basal joint the most robust subovate-truncate, 2nd very short, 3rd the longest (1*a), apical joint obovate (b).

Labrum small sublunulate and ciliated (2).

Mandibles remote, lateral divaricating not crossing subquadrate, terminated by 4 unequal teeth (1* & 3).

Maxillæ very small, terminated by a suborbicular and pilose lobe, with a longer one inside. *Palpi* very long, pubescent and pilose, 6-jointed, 1st and 2nd joints short, equal in size, 3rd the most robust, the remainder slender, the 4th the longest, 5th and 6th of equal length (4).

Mentum somewhat pear-shaped-truncate. *Palpi* long, rather robust, and pilose, 4-jointed, the 2nd joint a little the longest and stoutest, terminal one elongate-conic. *Lip* hollow, rounded, scarcely broader than the mentum (5).

Head *globose quadrate, face convex. Eyes remote, lateral. Ocelli 3, large, forming a triangle on the crown of the head (1* front view of the head). Thorax scarcely broader than the head, very much elongated. Postscutellum large semiorbicular. Abdomen elongate-ovate narrowed at the base; very much compressed beyond the middle in the female type. Ovipositor scarcely visible. Wings rather long and pubescent; superior with 1 marginal, 2 submarginal and 2 discoidal cells. Stigma slightly elongated. Inferior wings with several nervures. Legs, posterior the longest. Tibiæ spurred. Tarsi 5-jointed, basal joint the longest, 4th the shortest. Claws short. Pulvilli large (8, a fore leg).*

ANCEPS Hal. MSS.

Black shining. Mandibles castaneous, black at the extremity. Postpectus rugose, pilose, with a groove down the middle. Abdomen ochreous, with an abbreviated black mark at the base on the back, where it is deeply and coarsely furrowed; in the female the superior edge is black towards the apex. Wings iridescent with a yellow tinge. Stigma and nervures brown. Legs ferruginous ochre. Tarsi and tips of hinder tibiæ fuscous; in the female the hinder thighs excepting the base, the tibiæ and tarsi are blackish.

Obs. The coloured Insect is a female, and fig. 6. the abdomen in profile: fig. 7. is the upper side of the male abdomen.

In the Cabinets of Mr. Haliday and the Author.

SINCE the genus *Alysia* was illustrated, the present group has been discovered by Mr. Haliday, to whose liberality I am indebted for the species I possess; and Mr. F. Walker has favoured me with his collection, to enable me to arrange and give slight characters of the whole.

The species have been taken by the former gentleman in Ireland, from July to September, in moist meadows, and by the latter near Southgate as early as the end of June. The length of the antennæ is probably only a sexual character, and I suspect the species depart considerably from the type, in the form of the female abdomen, and one is destitute of wings.

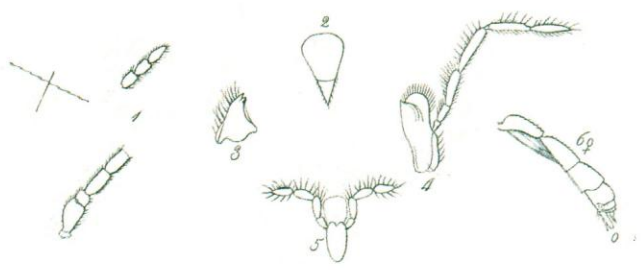
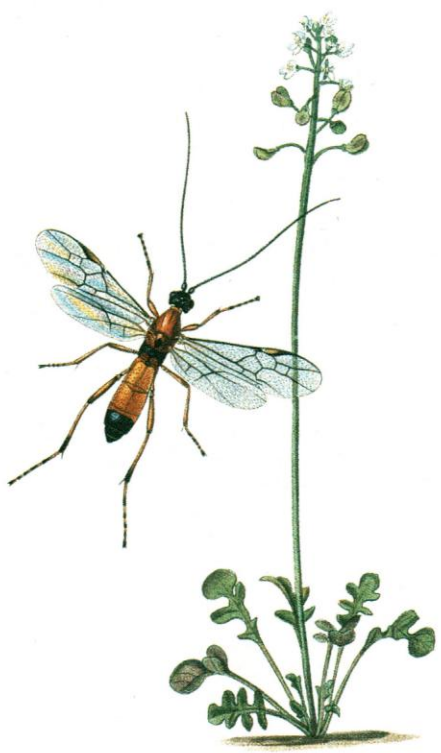
1. *C. anceps* Curt. Brit. Ent. pl. 289. July, amongst long grass in drains.
2. *C. gracilis* Hal.—Slender, black; legs testaceous, 4 posterior thighs piceous, tarsi fuscous. Nearly as large as No. 1.
3. *C. elegans* Hal.—Probably a small var. of No. 2.
4. *C. viduus* Hal.—Black, abdomen piceous, anterior thighs beneath and tips of coxæ ochreous.
5. *C. obscurus* Curt.—Similar to No. 4. but smaller: legs ochreous, 4 posterior thighs and tibiæ, except at the base, piceous, tarsi fuscous.
6. *C. similis* Curt.—Smaller; the legs brighter.
7. *C. affinis* Hal.—As large, and more robust, than No. 2: anterior thighs and tibiæ ochreous.
8. *C. fuliginosus* Curt.—Like No. 7, with a rufous spot on the body; the anterior thighs and tibiæ, and the coxæ and tibiæ of intermediate legs, ochreous.
9. *C. cingulatus* Hal.—As small as No. 6: abdomen pale piceous, ochreous in the centre, legs ochreous, thighs and apex of tibiæ of 4 posterior and tarsi, fuscous.
10. *C. rufinotatus* Curt.—More robust, the black and ochre more bright; antennæ, excepting the basal joint, ochreous.
11. *C. brevicornis* Hal.—Antennæ short, ochreous at the base: abdomen piceous, ochreous in the centre: legs bright ochre, apex of 4 posterior thighs, tips of hinder, tibiæ, and tarsi piceous.
12. *C. apterus* Curt.—The smallest. Wings none. Testaceous; head, extremity of antennæ, apex of abdomen, and tips of tarsi, blackish.

The plant is *Lythrum Salicaria* (Purple-spiked Willow-herb).



Publ. by J. Curtis Nov. 1. 1825

Plate 3



Subligny, J. C. in the Ann. N. P. 1844

Plate 4

APHIDIUS CIRSI.

ORDER Hymenoptera. FAM. Ichneumonidæ.

Type of the Genus, *Ichneumon Aphidum* Linn.

APHIDIUS Nees.—Curt. Guide, Gen. 547.—Hal.—Incubus Schr.—*Ichneumon* Linn., DeG., Geoff.

Antennæ inserted in front of the face, scarcely so long as the body, pubescent and in some thickened towards the apex composed of 11 joints (sometimes of as many as 24), basal joint longer and stouter than the 2nd which is ovate, 3rd slender longer than the 1st, the remainder gradually growing thicker, terminal joint the longest and conical. (1, the base).

Labrum undiscovered.

Mandibles subtrigonal, arched, acute, one notched near the apex, externally pilose (3).

Maxillæ terminated by a pilose lobe, with a sublanceolate one on the inside. *Palpi* composed of 4 nearly equal, moderate and pilose joints, basal joint subclavate, 2nd dilated, obovate, 3rd and 4th slenderer, the latter subfusiform (4).

Mentum obtrigonal. *Palpi* short, pilose, triarticulate, basal joint small, 2nd rather longer, 3rd globose-ovate. *Lip* hollow, rounded and pubescent (5).

Head transverse, the crown broad. Eyes rather small. Ocelli 3 in triangle. Prothorax short. Scutellum semioval. Abdomen attached by a short and stout petiole, convex and subfusiform in the male ovate-conic in the female. Wings pubescent and iridescent, superior with few cells, the stigma large (9), inferior nerveless. Legs slender: thighs and tibiæ of equal length simple, the latter spurred. Tarsi 5-jointed, basal joint considerably the longest in the hind pair. Claws minute: pulvilli large extending beyond them (8, a fore leg).

Obs. The dissections were drawn from *A. dimidiatus* Curt.

CIRSI Curt.—*Aphidum* Linn. Faun. Suec. 410, 1643?

Female. Shining pitchy black. *Antennæ* thickest towards the apex, with the 2nd and 3rd joints dirty ochre: wings transparent, but faintly tinted with brown: the stigma very faint and nearly open: petiole ochreous, broad and short with a tubercle on each side at the base: abdomen short and depressed, piceous, slightly ochreous at the base and apex which is acuminate and bent down, with 2 straight diverging valves beneath (6). Legs dirty ochre, 4 posterior coxæ and thighs piceous, as well as the tibiæ, excepting at the base: tarsi dusky.

In the Cabinet of Mr. A. H. Haliday.

THESE little insects are parasitic, and live in the female Aphides: we sometimes see their horny bronzed cases sticking to the leaves of roses and other plants, with a round hole on one side and the lid frequently hanging like a door on its hinges, as represented in Harris's Exposition, tab. 18. f. 10. from these some of the little Ichneumons or their minuter

destroyers have escaped, for these again have their parasites as we learn from Geoffroy, who states that a *Cynips* destroys the larvæ of the *Ichneumon des Peuceron*s (*Aphidius*), and from his description I think it may be my *Ceraphron Carpenteri* (folio 249^a No. 10), which I there stated had been bred from the Aphides by the late Mr. Carpenter.

I am indebted to Mr. Haliday for a valuable monograph containing 19 species of Aphidii; and Mr. F. Walker tells me he thinks he has about 50. It being therefore impossible to give specific characters of the whole, I shall avail myself of Mr. Haliday's paper, and give his admirable divisions.

* Wings with 3 cubital areolets (Div. 1. Nees). Radial areolet terminating at the apex. Head small, rather globose. Antennæ shorter than the body of 11 joints in both sexes. Aculeus short compressed, a little curved upwards.

** Wings with one cubital cell effuse to the margin, distinct from the anterior of the disc (Div. 3. Nees). Wings very ample, the radial areolet effuse, including the whole apex. Antennæ and legs long and extremely slender. Head small globular narrowed to the back. Palpi long and slender.

Mr. Haliday has described 4 species of the first division, and 3 of this, but has given no names, and I have none of them.

*** Wings with the anterior cell of the disc and inner cubital confluent and sometimes both together open to the margin (Div. 2. Nees). Head more transverse than in the other divisions. Radial cell terminating at the apex, its interior nervure often vanishing before the apex.

a. Valves of the aculeus compressed, straight or curved upwards, black (Antennæ longer in the males, varying in the number of joints, more numerous in the same sex: middle cell complete or open only to the exterior cubital one).

This division contains *A. Pini Hal.*, the males taken on the larch in Aug. the females on the *Pinus sylvestris* in Sept.—*infulatus Hal.* on the larch in Aug.—*pictus Curt.* on the Scotch fir, Sept.—*dimidiatus Curt.*—*Rosæ, Hal.?*—*picipes Nees*, infests the Aphides of *Hieracium?*—*fumatus Hal.*

b. Valves of the aculeus incurved, broad, generally securiform, pale.

† Anus beneath unarmed.

1. The middle areolet defined posteriorly.

Contains two unnamed species.

2. The middle areolet entirely effuse to the margin (species very minute).

Contains two species, and probably *A. basalis Curtis's Guide*.

†† Anus beneath in female armed with 2 diverging horns recurved at the end, longer than the aculeus which lies between them. Middle areolet effuse. Antennæ in the females of 11 joints, rather thicker towards the apex.

Contains *A. letifer Hal.*—*A. minutus Curt.*—*A. constrictus Hal.*, and another.

The insect figured may be the *I. Aphidum Linn.*: but as the specific name has been converted into one for the genus by Nees ab Esenbeck, I have given it the name of '*Cirsii*' from its being said to be parasitic on the *Aphis Cirsii*, so named from its inhabiting *Cirsium arvense Lam.*, the *Carduus arvensis* of this Work, Pl. 296.

The Plant-figured is *Anemone apennina* (Mountain Anemone) from Lord Spencer's park, communicated by W. Christy, Esq.

LEIOPHRON APICALIS.

ORDER Hymenoptera. FAM. Ichneumonidæ.

Type of the Genus, Leiophron pallipes Curt.

LEIOPHRON Nees, Curt., Hal.—Cryptus Fab.

Antennæ inserted in front of the face, as long as the wings in the male, and composed of from 26 to 17 joints; shorter in the female, and composed of from 21 to 16 joints, filiform and pubescent, basal joint the stoutest, 2nd globose, 3rd slender, longer than any of the following, which decrease in length until they become nearly cup-shaped, the apical joint ovate-conic (1).

Labrum transverse-oval, with a membranous ciliated margin and an elongate-trigonal pubescent lobe in the middle (2).

Mandibles curved, slender, cleft at the apex, slightly pilose externally (3).

Maxillæ terminated by a rounded hairy lobe with a minute one on the inside. *Palpi* long pilose and 5-jointed, 1st 3rd and 5th joints the longest, 2nd the broadest, very pilose, 4th the shortest, 5th slender subfusiform (4).

Mentum oblong, rounded at the base, truncated before. *Lip* short pubescent subcordate. *Palpi* as long as the mentum, pilose, triarticulate; basal joint slightly clavate, 2nd subovate, 3rd a little longer subfusiform (5).

Head *subglobose, transverse*. Eyes *large and lateral*. Ocelli 3, *large and prominent on the crown of the head*. Thorax *elongate-ovate*; neck *narrowed*: scutellum *semiorbicular*. Abdomen *ovate-conic, not larger than the thorax*; attached by a *broad sulcated peduncle, narrowed at the base, the sides sometimes slightly sinuated*; 2nd joint *large campanulate*: ovipositor *concealed*. Wings, *superior with a large trigonal stigma, the marginal cell short, semilunate*; 2 large *discoidal and no submarginal cells* (9). Legs *moderately long stout and simple*: tibiæ *with small spurs at the apex*: tarsi *5-jointed, basal joint the longest, 4th the shortest, 5th a little broader*: claws and pulvilli *distinct*.

APICALIS Curt. *Guide, Gen.* 549. 7.

In the Cabinets of Mr. Walker, Mr. Haliday and the Author.

THIS genus was established by Nees von Esenbeck, who placed it between Perilitus (which follows Aphidius) and Bracon; and Mr. Haliday, in his learned Essay on the Parasitic Hymenoptera, locates it between the same groups. Our Leiophrons are easily distinguished from the other *Ichneumones minuti*, by the extremely short and sublunar marginal cell, although they are undoubtedly closely allied to the Braconidæ.

I shall describe the few species recorded in my Guide, as well as two others, and regret that space will not allow me to add some that Mr. F. Walker has obligingly transmitted to me. Mr. Haliday calls his division A. PYGOSTOLUS, of which *Crypus sticticus* Fab. is the type; it is characterized by "the radial areolet just touching the apex of the wing." The next is B. Radial areolet very short, semilunate.

a. Abdomen sessile.

Type *L. mitis* Haliday's MSS.

b. Abdomen petiolated. * Petiole striated.

- 1a. *L. Orchesia* Curt.— $1\frac{2}{3}$ line. Antennæ 26-jointed in the male? Black, shining: antennæ (excepting the last 10 joints), head and legs ochreous; eyes and crown of head black, leaving a bright ochre orbit: postscutellum thickly punctured: posterior coxæ piceous; wings very transparent, the stigma piceous, excepting the interior angle.

This fine species was bred, I believe, by Mr. Walker, from pupæ of *Orchesia micans* (folio 197*).

1. *L. pallipes* Curt.— $1\frac{1}{4}$ line. Antennæ of male 24-jointed, of female 21. Black shining, head and thorax punctured, postscutellum rugose: antennæ pale castaneous or ochreous at the base: legs deep ochre; stigma pale piceous.
2. *L. picipes* Curt.—1 line. Antennæ 16-jointed. Black shining, postscutellum dull and rugose; abdomen antennæ and legs piceous, the latter gradually growing paler from the thighs, the tips of which, as well as the tibiæ and tarsi of the anterior pair, are more or less ochreous; stigma pale piceous.
3. *L. nitidus* Curt.—Similar to No. 2, but narrower; the antennæ are rather stout, castaneous brown, ochreous at the base, legs ochreous, posterior thighs and tibiæ, excepting the base of the latter, brown.
4. *L. similis* Curt.—Like No. 2, but the antennæ are longer, with the 4 basal joints ochreous as well as the legs, the posterior being a little the darkest.

** Petiole punctured and indistinctly striated.

5. *L. fulvipes* Curt.— $\frac{3}{4}$ line. Piceous shining: antennæ 16-jointed, brown, the base ochreous; postscutellum punctured; wings pale fuscous; legs ochreous.
6. *L. pallidistigma* Curt.— $\frac{3}{4}$ line: piceous shining: antennæ 16-jointed, longer than in the foregoing and ochreous, as well as the legs; postscutellum shining, sparingly punctured: stigma pale ochreous.
- 6a. *L. basalis* Curt.—Similar to No. 6, but the base of the abdomen is ferruginous-ochre, and the scutellum dull and thickly punctured, or reticulated. I took a specimen b. of June, in the New Forest.
7. *L. apicalis* Curt. *B. E. pl.* 476. ♂. Antennæ 17-jointed in the male, 16 in the female; shining ochreous; tips of antennæ and pulvilli brown: eyes green: ocelli piceous; postscutellum punctured, piceous in the female; petiole long and nearly linear, slightly angulated at the middle; posterior portion of abdomen piceous: stigma pale, with a brown patch at the extremity.

This pretty species, as well as Nos. 1, 2, 4, 5, and 6, Mr. Walker took at Southgate.

The Plant is *Lysimachia Nummularia* (Money-wort).

ROGAS BALTEATUS.

ORDER Hymenoptera. FAM. Ichneumonidæ.

Type of the Genus, *Bassus testaceus* Fab.

ROGAS Nees, Hal., Curt.—*Bassus* Fab.—Bracon Spin.

Antenna inserted near the middle of the face, as long as the insect, filiform, pubescent, composed of numerous oblong joints, gradually decreasing in size to the apex; basal joint the stoutest, 2nd the smallest, subglobose, apical joint conical (1, the base and apex).

Labrum rather large, subovate, with a membranous pubescent triangular lobe at the apex (2).

Mandibles small, trigonate and bifid, pilose outside (3).

Maxilla with a large lobe on the inside, and another rounded and hairy one above it. *Palpi* long pubescent pilose and 6-jointed, basal joint minute, 2nd twice as long and oblong, the remainder long, 3rd a little the shortest, 4th the longest, the apical joint subfusiform (4).

Mentum ovate-cordate. *Lip* large and rounded. *Palpi* rather long, very hairy and 4-jointed, basal joint small, the remainder rather thick and of equal length, suboval, the terminal joint conical at the apex (5).

Head small, transverse, margined behind, face subtrigonate: eyes rather small, ovate and lateral: ocelli 3, in triangle on the crown. Thorax oblong: postscutellum subquadrate and somewhat depressed. Abdomen attached by so short a peduncle as to appear nearly sessile, elliptical, 1st and 2nd joints large, 3rd generally a little shorter (6 ♀ profile): ovipositor short and exerted, the valves rather broad and obtuse (6). Wings pubescent, superior with a large marginal and 3 submarginal cells, 2nd the smallest and nearly quadrate; posterior with 2 transverse nervures. Legs, posterior the largest: tibiæ simple, spurred: tarsi 5-jointed, basal joint the longest, 4th the smallest: claws minute; pulvilli distinct.

Obs. R. bicolor Spin. was the species dissected and described.

BALTEATUS Hal. MSS.—Curt. Guide, Gen. 555.

Opake ferruginous-ochre, pubescent: antennæ longer than the insect, black as well as the head, the hinder margin of the eyes ferruginous: Thorax inclining to rufous, black beneath, a black dot on each scapular and a spot of the same colour at the apex of the scutellum; postscutellum coarsely and thickly punctured, black, with a bilobed rufous spot behind: abdomen punctured, with an elevated line down the back, the apical portion black, excepting the base of the 3rd segment: nervures brown, base of stigma ochreous: tips of hinder thighs and tibiæ and all the tarsi brown, the latter black at the apex.

In the Cabinet of Mr. Haliday.

THIS pretty genus contains a considerable number of species, many of which have been added by Mr. Haliday, who has kindly presented me with several, together with a list of them.

They are characterized by a small head, long antennæ, sessile and opaque abdomen, &c.

10. *R. dispar Hal.*

The sexes are very dissimilar in shape and colour, the male being slender, the female having a white ring round the middle of the antennæ, which are black, rufous at the base.

On Larches in Autumn, Mr. Haliday; and the female has been taken by Mr. Dale.

3. *testaceus Fab.* Taken in Ireland by Mr. Haliday as well as No. 8.

4. *ochraceus Curt.*

This species is the largest I have seen; it is entirely ochreous, excepting the apex of the antennæ, the eyes, ocelli and tips of tarsi.

Beginning of August in the Regent's Park, J. C.

1. *ater Curt.* Black, opaque, orbits of eyes and legs ferruginous.

Beginning of June, damp places, Shotover near Oxford, J. C.; and at Southgate, Mr. F. Walker.

2. *bicolor Spin.* Lulworth, Mr. Dale; and Dover, J. C.

5. *Subucola Curt.* Testaceous, postscutellum and base of abdomen black.

Middle of May, Suffolk, and Woods, Southgate, J. C.

6. *similis Curt.* Ochreous, head, excepting the orbits, sides of thorax, postscutellum, basal joint of abdomen, excepting a spot at the apex, and sides of 2nd segment black.

7th of May and 25th of July, Coomb-wood, Surrey.

11. *spathuliformis Curt.* Macrocentrum, No. 4. of Guide.

Similar to the last and probably the male of it; it is duller, and the apex of the abdomen is fuscous. In Nos. 5., 6. and 11., the 1st submarginal cell is narrower, and the 2nd longer, than in the five preceding species.

Beginning of September, Isle of Wight.

12. *balteatus Hal.—Curt. B. E. pl. 512.*

Taken near the Harbour of Donaghadee, by Mr. Haliday.

7. *Gasterator? Spin.—Jur. pl. 8. Gen. 3.?*

I found a specimen the 10th of July, in a meadow at Eccles in Norfolk, similar to the following, but the basal joint of the abdomen is entirely rufous.

8. *nobilis Hal.* "Black, shining, pubescent, mouth collar and legs reddish-ferruginous, apex of posterior thighs and tibiæ, and all the tarsi black; abdomen rugose, rufous, 1st segment with a black spot at the base, posterior portion smooth shining black, with golden pubescence.

On Umbelliferæ near Holywood, Mr. Haliday; Monk's Wood, Mr. Dale.

9. *rugulosus Ess.* Taken by Mr. Haliday in Ireland.

The Plant is *Iberis (Teesdalia) nudicaulis* (Naked-stalked Candy-tuft), communicated by W. W. Saunders, Esq.

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