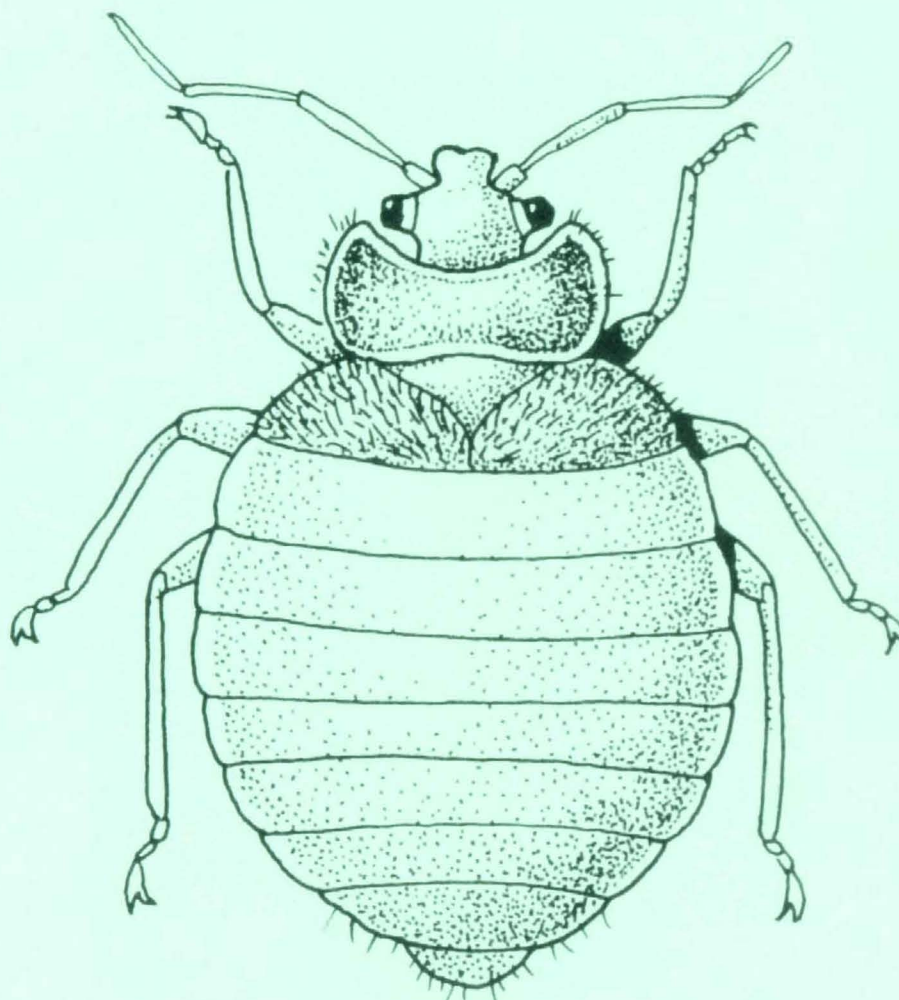


**AN ANNOTATED CHECKLIST
OF THE IRISH HEMIPTERA
AND SMALL ORDERS**

compiled by

James P. O'Connor and Brian Nelson



The Irish Biogeographical Society

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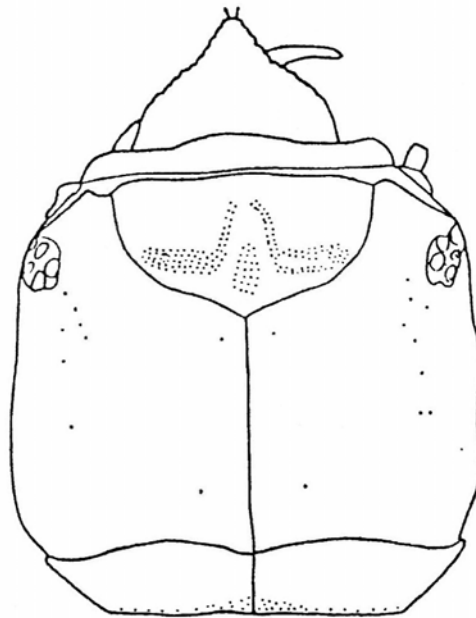
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by Sean Milne from *Irish Indoor Insects*

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PREFACE

This book deals with a great diversity of insect (*sensu lato*) groups. Those which are readily recognisable include the caddisflies (Trichoptera), cockroaches (Dictyoptera), dragonflies (Odonata), earwigs (Dermaptera), grasshoppers (Orthoptera), greenflies (Hemiptera), mayflies (Ephemeroptera) and shield bugs (Hemiptera) while others such as the proturans (Protura), psyllids (Hemiptera) and thrips (Thysanoptera) will be less familiar. Many of the included species are of economic importance. Altogether, information on 1684 species is included.

Funded by The Irish Biogeographical Society, *An annotated checklist of the Irish Hemiptera and small orders* completes the basic check-listing of the Irish insects. The series consists of five publications, one published by the *Irish Naturalists' Journal*. Three of the other works were published by The Irish Biogeographical Society in association with the National Museum of Ireland. The latter generously provided funding for their printing. On behalf of the Society, I wish therefore to thank Dr Pat Wallace (former Director), Mr Ragnall Ó Floinn (Head of Collections) and Mr Nigel Monaghan (Keeper of Natural History) for their past support.

James P. O'Connor
Editor
The Irish Biogeographical Society
2 May 2012

While preparing this pdf of the original 2012 work, the opportunity has been taken to correct some minor errata, to reorganize the references and add some new ones. Since 2012, major works have appeared on the caddisflies, stoneflies and thrips and these are mentioned.

James P. O'Connor
Editor
6 January 2019

DEDICATION

This volume is dedicated to the memory of Dr Courtenay Neville Smithers (1925-2011) in recognition of his important research work on the Irish Psocoptera, a group which includes the booklice and barklice.



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INTRODUCTION

This volume completes a project which commenced twenty nine years ago when a proposal for a Checklist of Irish Insects were outlined by Nash, Boston and O'Connor (1983). The only other attempt at a complete Irish checklist known to these authors was Alexander H. Haliday's MS *Catalogue of Irish Insects* in the National Museum of Ireland, a work compiled in the Nineteenth Century.

The completed modern checklist now consists of five parts. The first one catalogues the beetles (Coleoptera) (Anderson, Nash and O'Connor, 1997) and appeared as a Special Entomological Supplement to the *Irish Naturalists' Journal*. It is in a different format to the three subsequent volumes which have been published by the Irish Biogeographical Society in association with the National Museum of Ireland. The second covers the butterflies and moths (Lepidoptera) (Bond, Nash and O'Connor, 2006), the third deals with the two-winged flies (Diptera) (Chandler, O'Connor and Nash, 2008) and the fourth catalogues the Hymenoptera (O'Connor, Nash and Broad, 2009).

This, the final volume, checklists a diverse assemblage of groups. Some of these are very familiar while others are only known to a small group of specialists. Indeed, three of the orders are no longer considered to be insects. However, for continuity with the past, they have been included. Because of their diversity, no attempt is made to describe the various orders in this introduction. Instead, a short account of each order is given in the relevant section.

Since it is an assemblage of disparate orders, the volume has been technically a difficult one to prepare and the authors would like to hear of any errors or omissions. However, it is hoped that the checklist will be useful in listing all the relevant species currently known to occur in Ireland under a modern nomenclature.

The nomenclature, in general, follows that of the orders in *Fauna Europaea* (de Jong, 2011). When other works are also used, they are mentioned. The valid species names are shown in bold and indented. Species which have been added since the source references are indicated by a + sign in the left-hand margin. The checklist covers species known to have been native or naturalised in Ireland and therefore includes several now thought to be extinct. Some interesting importations are included {}. Subspecies are given if known. When relevant, synonymies are provided.

For some groups, the checklist is mainly a summary of those species recorded in the literature and identified some time ago. It has not been possible to correct identifications for many species. The checklist contains information on 1684 species. Excluding migrants and importations, 1583 species are validly recorded from Ireland. The layout specifies, when relevant, Order, Suborder, Family, Subfamily, Tribe, Genus, Species and Subspecies. A glossary of certain technical terms is given below.

TERMS, ABBREVIATION AND CONTRACTION

Aquatic - living or growing in water.

Auctorum; auctt. - in the sense of previous authors e.g. misidentification.

Cerci - paired appendages on the posterior segments.

Co. - County.

Cos - Counties.

Cosmopolitan - a species that can be found anywhere around the world.

Detritus - undissolved material from the decomposition of organic remains.

Extinct - having died out in Ireland, leaving no living representatives.

Herbivorous - feeding only on plants.

Imported - an introduced species i.e. not indigenous to Ireland and instead has been accidentally or deliberately transported by human activity.

Larvae - the young stages of insects which undergo a complete metamorphosis. Larvae pass through a pupal stage before becoming adults.

Nomen dubium - scientific name that is of unknown or doubtful application.

Nymphs - the young stages of insects which undergo a partial metamorphosis.

Ocelli - small simple eyes.

Omnivorous - eating both animal and vegetable foods.

Partim - in part.

Predatory - killing and consuming other animals.

Sensu - in the sense of.

Sensu lato - in the wider sense.

sic - used to indicate that a quoted passage, especially one containing an error or unconventional spelling, has been retained in its original form.

Sp.; spp.; species (singular); species (plural) - groups of actually (or potentially) interbreeding natural populations which are reproductively isolated from other such groups.

sp. dub. - dubious species.

Ssp.; subspecies - a geographically defined aggregate of local populations which differs taxonomically from other such aggregates (sub-division of the species).

Synonymy - synonyms are different scientific names that pertain to the same taxon, for example two names for the same species. The rule of zoological nomenclature is that the first name to be published is the senior synonym; any others are junior synonyms and should not be used.

Vegetarian - only eating plants.

{ } indicate imported taxa e.g. species.

[] indicate a taxon e.g. a genus or species which is to be deleted or whose presence requires confirmation.

+ indicates species which have been added since the source references.

ACKNOWLEDGEMENTS

We wish to thank Dr Berend Aukema, Professor Tom Bolger, Mike Boston, Dr Chris Malumphy, Nigel Monaghan, Dr Laurence Mound, Robert Nash and Dr Mike Wilson for their assistance. We are indebted to the Committee of The Irish Biogeographical Society for funding the cost of printing the checklist.

HEXAPODA: ENTOGNATHA

COLLEMBOLA

The Irish springtails (Collembola) were listed by Bolger (1986) and Hopkin (2007a, b). Most species have a forked springing organ at the hind end and can leap into the air if disturbed. They mainly live in soil, leaf litter and vegetation but a few are found in or around water.

ENTOMOBRYOMORPHA

ENTOMOBRYOIDEA

1. CYPHODERIDAE

CYPHODERUS NICOLET, 1847

albinus Nicolet, 1842

2. ENTOMOBRYIDAE

ENTOMOBRYINAE

COECOBRYA YOSIL, 1956

tenebricosa Folsom, 1902

Synonymy: *Sinella caeca* (Schött, 1896) in Bolger (1986).

Footnote: this species is placed in *Sinella* by Hopkin (2007b).

ENTOMOBRYA RONDANI, 1861

albocincta (Templeton, 1835)

lanuginosa (Nicolet, 1841)

multifasciata (Tullberg, 1871)

muscorum (Nicolet, 1842)

Footnote: Hopkin (2007b) states that there are no confirmed British or Irish records.

nicoleti (Lubbock, 1867)

nivalis (Linnaeus, 1758)

HALOENTOMOBRYA STACH, 1963

dollfusi (Denis, 1924)

Synonymy: in *Entomobrya* in Bolger

(1986); in *Mesentotoma* in Hopkin (2007a, b).

[*SINELLA* BROOK, 1882]

[*curviseta* Brook, 1882]

Synonymy: *Sinella humicola* Brown, 1926 in Bolger (1986); also *Sinella pulcherrima* Agrell, 1939.

Footnote: the Irish records of *Sinella humicola* and *S. pulcherrima* are considered doubtful by Hopkin (2007b).

LEPIDOCYRTINAE

LEPIDOCYRTUS BOURLET, 1839

curvicollis Bourlet, 1839

cyaneus Tullberg, 1871

lanuginosus (Gmelin, 1788)

lignorum (Fabricius, 1775)

paradoxus Uzel, 1891

Footnote: the status of the species is unclear (Hopkin, 2007b).

ruber Schoett, 1902

PSEUDOSINELLA SCHAEFFER, 1897

alba (Packard, 1873)

decipiens Denis, 1925

fallax (Börner, 1903)

Footnote: the status of the species is

unclear (Hopkin, 2007b).

***immaculata* (Lie-Pettersen, 1896)**

[*maritima* Bagnall, 1941]

Synonymy: this is a possible synonym of *Pseudosinella immaculata* (Hopkin, 2007b).

***octopunctata* Börner, 1901**

Footnote: the status of the species is unclear (Hopkin, 2007b).

***petterseni* Börner, 1901**

[*subvirei* Bonet, 1931]

Footnote: the single Irish record needs confirmation (Hopkin, 2007b).

WILLOWSIA SHOEBOTHAM, 1917

***nigromaculata* (Lubbock, 1873)**

Synonymy: given as a synonym of *Willowsia platani* (Nicolet, 1841) by Hopkin (2007b).

ORCHESELLINAE

HETEROMURUS WANKEL, 1861

***nitidus* (Templeton, 1835)**

ORCHESELLA TEMPLETON, 1835

***alticola* Uzel, 1891**

***cincta* (Linnaeus, 1758)**

***villosa* (Geoffroy, 1764)**

[*VERHOEFFIELLA* ABSOLON, 1900]

[*longicornis* (Absolon, 1900)]

Synonymy: *in Heteromurus* in Bolger (1986).

Footnote: the single Irish record requires confirmation (Hopkin, 2007a, b).

SEIRINAE

SEIRA LUBBOCK, 1869

***domestica* (Nicolet, 1841)**

ISOTOMOIDEA

3. ISOTOMIDAE

ANUROPHORINAE

ANUROPHORUS NICOLET, 1842

***laricis* Nicolet, 1842**

ARCHISOTOMA LINNANIEMI, 1912

***besselsi* (Packard, 1877)**

BALLISTURA BÖRNER, 1906

***schoetti* (Dalla Torre, 1895)**

Synonymy: *in Proisotoma* (*Ballistura*) in Bolger (1986).

[*ultonica* Carpenter, 1911]

Synonymy: *in Proisotoma* (*Ballistura*) in Bolger (1986).

Footnote: *Ballistura ultonica* was described by George Carpenter as new to science from specimens collected in garden soil from Ballyclare, Co. Antrim. Unfortunately, no type specimens appear to have survived but from the description, it is likely that Carpenter's material was a species of *Ballistura*. It is possible that 'ultonica' was an introduced species of *Ballistura* that could subsequently have been described as new to science from another country (or not at all). There are a few scattered literature records, mainly

from Ireland but the identity of these is impossible to confirm unless specimens can be found (Hopkin, 2007b).

CRYPTOPYGUS WILLEM, 1901

bipunctatus (Axelson, 1903)

scapelliferus (Gisin, 1955)

[*sphagneticolus* (Linnaniemi, 1912)]

Footnote: there is some doubt as to the identity of the specimens found by Bagnall and those listed in the Irish checklist by Bolger (1986). Fjellberg has suggested that *Cryptopygus sphagneticolus* (which Bagnall said was blind) may be the same as *Isotoma ekmani* Fjellberg, 1977 (Hopkin, 2007b).

thermophilus (Axelson, 1900)

FOLSOMIA WILLEM, 1902

agrelli Gisin, 1944

bisetosa Gisin, 1953

brevicauda Agrell, 1939

[*brevifurca* (Bagnall, 1949)]

Footnote: *Folsomia brevifurca* Bagnall, 1949 (*sp. dub.*) in Bolger (1986). Hopkin (2007b) states that the holotype is a juvenile and is impossible to place.

candida Willem, 1902

diplophthalma (Axelson, 1902)

fimataria (Linnaeus, 1758)

fimetarioides (Axelson, 1903)

inoculata Stach, 1947

microchaeta Agrell, 1939

Footnote: no confirmed British or Irish records (Hopkin, 2007b).

[*monoculata* (Bagnall, 1949)]

Footnote: *Folsomia monoculata* (Bagnall, 1949) (*sp. dub.*) in Bolger (1986). Hopkin (2007b) states that the specimens are in very poor condition and impossible to place.

penicula Bagnall, 1939

quadrioculata (Tullberg, 1871)

sexoculata (Tullberg, 1871)

spinosa Kseneman, 1936

Synonymy: *Folsomia montigena* Stach, 1946 in Bolger (1986).

+*thalassophila* Bagnall, 1940

Footnote: recorded from Ireland by Hopkin (2007a). Hopkin (2007b) shows the records in Cos Antrim and Down.

FOLSOMIDES STACH, 1922

angularis (Axelson, 1905)

Synonymy: in *Proisotoma* (*Folsomides*) in Bolger (1986).

ISOTOMIELLA BAGNALL, 1939

minor (Schaeffer, 1896)

paraminor Gisin, 1942

Footnote: the single Irish record requires confirmation (Hopkin, 2007b).

ISOTOMODES LINNANIEMI, 1907

productus (Axelson, 1906)

+*sotoensis* Simon, Ruiz and Martin, 1994

Footnote: recorded from Co. Dublin by

Sterzyńska and Bolger (2004).

templetoni Bagnall, 1939

MUCROSOMIA BAGNALL, 1949

garretti Bagnall, 1939

Synonymy: *in Cryptopygus in* Bolger (1986) ; *in Cryptopygus in* Hopkin (2007b).

PROISOTOMA BÖRNER, 1901

admaritima Murphy, 1953

Footnote: there are doubts about the Irish records (Hopkin, 2007a), some of which belong to *Cryptopygus thermophilus* (Axelson, 1900).

minima (Absolon, 1901)

minuta (Tullberg, 1871)

tenella (Reuter, 1895)

[*vestita* (Brown, 1923)]

Footnote: '*Isotoma vestita*' was described by Brown (1923) from specimens extracted from moss in Derbyshire, England. Unfortunately, no types seem to have survived and it is impossible to be certain exactly what taxon Brown had. The identity of "*Isotoma vestita*" (Brown, 1923) will probably remain a mystery (Hopkin, 2007b).

PSEUDANUROPHORUS STACH, 1922

alticolus Bagnall, 1949

TETRACANTHELLA SCHOETT, 1891

+*arctica* Cassagnau, 1959

Footnote: recorded from Co. Kerry by Fjelberg (2007).

brachyura Bagnall, 1949

Synonymy: also *Tetracanthella britannica* Cassagnau, 1959 *in* Bolger (1986).

wahlgreni Axelson, 1907

ISOTOMINAE

AGRENIA BÖRNER, 1906

bidenticulata (Tullberg, 1876)

AXELSONIA BÖRNER, 1906

littoralis (Moniez, 1890)

DESORIA NICOLET, 1841

nivalis (Carl, 1910)

Synonymy: *in Isotoma in* Bolger (1986).
Footnote: no confirmed British or Irish records (Hopkin, 2007b).

[*olivacea* (Tullberg, 1871)]

Synonymy: *Isotoma olivacea* Tullberg, 1871 *sensu* Gisin.

Footnote: requires confirmation. Hopkin (2007b) states that confusion has arisen because the descriptions of *Isotoma olivacea* in several earlier identification keys, including Gisin (1960), were in fact for *Desoria tigrina* Nicolet, 1842.

+*tigrina* Nicolet, 1842

Footnote: recorded from Co. Dublin by Sterzyńska and Bolger (2004).

violacea (Tullberg, 1876)

Synonymy: *Isotoma violacea* Tullberg, 1876 *sensu* Gisin *in* Bolger (1986).

Footnote: it is possible that '*violacea*' as understood in the British Isles is a complex

of two species (Hopkin, 2007b).

HALISOTOMA BAGNALL, 1949

maritima (Tullberg, 1871)

Synonymy: *in Isotoma* in Bolger (1986);
also *Isotoma poseidonis* Bagnall, 1939.

ISOTOMA BOURLET, 1839

+*anglicana* Lubbock, 1862

Footnote: recorded from Co. Dublin by
Sterzyńska and Bolger (2004).

+*caerulea* Bourlet, 1839

Footnote: recorded from Ireland by
Fjellberg (2003) who gives no localities.

viridis Bourlet, 1839

Synonymy: also *Isotoma hibernica*
Carpenter, 1906 *in* Bolger (1986).

ISOTOMURUS BÖRNER, 1903

alticolus (Carl, 1899)

Synonymy: *Isotomurus alticolus* may be a
synonym of *Isotomurus plumosus* Bagnall,
1940.

antennalis Bagnall, 1940

Synonymy: *in Isotoma* in Bolger (1986)
and Hopkin (2007b).

palustris (Müller, 1776)

[*prasinus* (Reuter, 1891)]

Footnote: Hopkin (2007b) reports Irish
records of this species but states that there
is confusion as to their identity.

MARISOTOMA FJELLBERG, 1997

tenuicornis (Axelson, 1903)

Footnote: no confirmed British or Irish
records (Hopkin, 2007b)

PARISOTOMA BAGNALL, 1940

notabilis (Schaeffer, 1896)

Synonymy: *in Isotoma* in Bolger (1986).

PSEUDISOTOMA HANDSCHIN, 1924

[*monochaeta* Kos, 1942]

Synonymy: *in Isotoma (Pseudisotoma)* in
Bolger (1986).

Footnote: Hopkin (2007b) states that
Bagnall's specimens all belong to
Pseudisotoma sensibilis (Tullberg, 1876).

sensibilis (Tullberg, 1876)

Synonymy: *in Isotoma (Pseudisotoma)* in
Bolger (1986).

VERTAGOPUS BÖRNER, 1906

arboreus (Linnaeus, 1758)

Synonymy: *in Isotoma (Vertagopus)* in
Bolger (1986).

cinereus (Nicolet, 1841)

Synonymy: *in Isotoma (Vertagopus)* in
Bolger (1986).

[*montanus* Stach, 1947]

Synonymy: *in Isotoma (Vertagopus)* in
Bolger (1986).

Footnote: the specimens from Co. Antrim
do not belong to *Vertagopus montanus*
(Hopkin, 2007a).

SUBFAMILY PACHYOTOMINAE

PACHYOTOMA BAGNALL, 1949

crassicauda (Tullberg, 1871)

Synonymy: *in Proisotoma* in Bolger
(1986).

TOMOCEROIDEA

4. TOMOCERIDAE

POGONOGNATHELLUS BÖRNER, 1908

flavescens (Tullberg, 1871)

Synonymy: *in Tomocerus* in Hopkin (2007b).

longicornis (Müller, 1776)

Synonymy: *in Tomocerus* in Hopkin (2007b).

TOMOCERUS NICOLET, 1841

minor (Lubbock, 1862)

vulgaris (Tullberg, 1871)

NEELIPLEONA

5. NEELIDAE

MEGALOTHORAX WILLEM, 1900

minimus Willem, 1900

Synonymy: *in Neelus (Megalothorax)* in Bolger (1986).

NEELUS FOLSOM, 1896

murinus Folsom, 1896

PODUROMORPHA

HYPOGASTRUROIDEA

6. HYPOGASTRURIDAE

HYPOGASTRURINAE

CERATOPHYSELLA BÖRNER, 1932

armata (Nicolet, 1841)

Synonymy: *in Hypogastrura* in Bolger (1986).

Footnote: no confirmed British or Irish records (Hopkin, 2007b)

bengtssoni (Ågren, 1904)

Synonymy: *in Hypogastrura* in Bolger (1986).

denticulata (Bagnall, 1941)

Synonymy: *in Hypogastrura* in Bolger (1986).

+engadinensis (Gisin, 1949)

Footnote: recorded from Ireland by Hopkin (2007a). The record is shown in Co. Sligo by Hopkin (2007b).

gibbosa (Bagnall, 1940)

Synonymy: *in Hypogastrura* in Bolger (1986).

granulata Stach, 1949

Synonymy: *in Hypogastrura* in Bolger (1986).

Footnote: no confirmed British or Irish records (Hopkin, 2007b)

[*longispina* (Tullberg, 1876)]

Synonymy: *in Hypogastrura* in Bolger (1986).

Footnote: Arctic species. British and Irish specimens belong to other species of *Ceratophysella* (Hopkin, 2007b).

scotica (Carpenter and Evans, 1899)

Synonymy: *in Hypogastrura* in Bolger (1986).

succinea (Gisin, 1949)

Synonymy: *in Hypogastrura* in Bolger

(1986).

Footnote: no confirmed British or Irish records (Hopkin, 2007b)

HYPOGASTRURA BOURLET, 1839

manubrialis (Tullberg, 1869)

purpurescens (Lubbock, 1867)

[*tullbergi* (Schaeffer, 1900)]

Footnote: Arctic species. British and Irish specimens belong to other species of *Hypogastrura* (Hopkin, 2007b).

viatica (Tullberg, 1872)

[MESOGASTRURA BONET, 1930]

[*libyca* (Caroli, 1914)]

Synonymy: *in Mesachorutes* in Bolger (1986).

Footnote: requires confirmation as Hopkin (2007a) considers the record to be doubtful.

SCHAEFFERIA ABSOLON, 1900

willemi (Bonet, 1930)

Footnote: Hopkin (2007b) places all British and Irish specimens of *Schaefferia* into a single group, the *Schaefferia emucronata* 'group'.

SCHOETTELLA SCHAEFFER, 1896

ununguiculata (Tullberg, 1869)

Synonymy: *in Hypogastrura* in Bolger (1986).

WILLEMIA BÖRNER, 1901

anophthalma Börner, 1901

denisi Mills, 1932

Synonymy: *Willemia aspinata* Stach, 1949

in Bolger (1986).

intermedia Mills, 1934

+*multilobata* Gers and

Deharveng, 1985

Footnote: recorded from Co. Dublin by Sterzyńska and Bolger (2004).

XENYLLA TULLBERG, 1869

acauda Gisin, 1947

boernerii Axelson, 1905

brevicauda Tullberg, 1869

Footnote: no confirmed British or Irish records (Hopkin, 2007b)

grisea Axelson, 1900

humicola (O. Fabricius, 1780)

maritima Tullberg, 1869

+*tullbergi* Börner, 1903

Footnote: recorded from Co. Sligo by Hopkin (2007a).

xavieri da Gama, 1959

NEANUROIDEA

7. BRACHYSTOMELLIDAE

BRACHYSTOMELLA ÅGREN, 1903

parvula (Schaeffer, 1896)

8. NEANURIDAE

FRIESEINAE

FRIESEA DALLA TORRE, 1895

acuminata (Denis, 1925)

afurcata (Denis, 1926)

Footnote: the single Irish record requires confirmation (Hopkin, 2007b).

+cf *baltica* Szeptycki, 1964

Footnote: recorded from Co. Dublin by Sterzyńska and Bolger (2004). The species found on the Irish coast differs from the material described originally from the Baltic seashore, Poland, in the chaetotaxy of Th. 3-4, where the m4 chaeta is present and on Abd 4 chaeta a2 is present.

***claviseta* Axelson, 1900**

***mirabilis* (Tullberg, 1871)**

***truncata* Cassagnau, 1958**

Footnote: recorded from Co. Dublin by Sterzyńska and Bolger (2004).

NEANURINAE

NEANURINI

***MONOBELLA* CASSAGNAU, 1979**

***grassei* (Denis, 1923)**

***NEANURA* MACGILLIVRAY, 1893**

***muscorum* (Templeton, 1835)**

PARANURINI

***PARANURA* AXELSON, 1902**

***sexpunctata* Axelson, 1902**

Footnote: no confirmed British or Irish records (Hopkin, 2007b).

PSEUDACHORUTINAE

***ANURIDA* LABOULBENE, 1865**

***ellipsoides* Stach, 1949**

Footnote: no confirmed British or Irish records (Hopkin, 2007b).

***granaria* (Nicolet, 1847)**

***maritima* (Guérin-Méneville, 1836)**

***thalassophila* (Bagnall, 1939)**

***tullbergi* Schoett, 1891**

***ANURIDELLA* WILLEM, 1906**

***calcarata* Denis, 1925**

Footnote: no confirmed British or Irish records (Hopkin, 2007b).

+*immsiana* Bagnall, 1939

Footnote: recorded from Northern Ireland by Hopkin (2007a).

+*submarina* Bagnall, 1934

Footnote: recorded from Ireland by Hopkin (2007a)

***GASTRANURIDA* BAGNALL, 1949**

***denisi* Bagnall, 1939**

Synonymy: *in Anurida* in Hopkin (2007b).

***MICRANURIDA* BÖRNER, 1901**

***forsslundi* Gisin, 1949**

***pygmaea* Börner, 1901**

***sensillata* (Gisin, 1953)**

Synonymy: *in Anurida* in Bolger (1986).

***PSEUDACHORUTELLA* STACH, 1949**

***asigillata* (Börner, 1901)**

***PSEUDACHORUTES* TULLBERG, 1871**

***boernerii* Schoett, 1902**

Footnote: no confirmed British or Irish records (Hopkin, 2007b). The Irish specimen may be *P. corticicolus* (Schaeffer, 1896) (Hopkin, 2007a).

***subcrassus* Tullberg, 1871**

9. ODONTELLIDAE

***XENYLLODES* AXELSON, 1903**

armatus Axelson, 1903

ONYCHIUROIDEA

10. ONYCHIURIDAE

ONYCHIURINAE

HYMENAPHORURINI

***KALAPHORURA* ABSOLON, 1901**

burmeisteri (Lubbock, 1873)

Synonymy: *in Onychiurus (Kalaphorura)*
in Bolger (1986).

OLIGAPHORURINI

***OLIGAPHORURA* BAGNALL, 1949**

schoetti (Lie-Pettersen, 1896)

Synonymy: *in Onychiurus (Oligaphorura)*
in Bolger (1986).

ONYCHIURINI

***DEUTERAPHORURA* ABSOLON, 1901**

inermis Tullberg, 1871

Synonymy: *Onychiurus fimetarius*
(Linnaeus, 1766) group *in* Bolger (1986).
Onychiurus fimetarius is an invalid name.

Footnote: Hopkin (2007b) shows Irish records.

laminatipes (Bagnall, 1937)

Synonymy: *in Onychiurus in* Bolger
(1986); a synonym of *Onychiurus*
ambulans (Linnaeus, 1758) *in* Hopkin
(2007b).

***ONYCHIURUS* GERVAIS, 1841**

ambulans (Linnaeus, 1758)

Footnote: Bolger (1986) gave group status to this taxon, stating that Gisin (1952) suggested that *Onychiurus ambulans*, *O. armatus* and *O. fimetarius* represented species complexes. Records of these species before this date, for which specimens are not available, can only be attributed to species groupings. It should be noted that some debate exists about the validity of the species within the complexes (cf. Lawrence, 1979 and the references cited therein).

rectospinatus Stach, 1922

Footnote: no confirmed British or Irish records (Hopkin, 2007b).

subambulans Denis, 1935

Footnote: no confirmed British or Irish records (Hopkin, 2007b).

PROTAPHORURINI

***PROTAPHORURA* ABSOLON, 1901**

armata (Tullberg, 1869)

Synonymy: *in Onychiurus (Protaphorura)*
in Bolger (1986).

Footnote: Bolger (1986) gave group status to this taxon, stating that Gisin (1952) suggested that *Onychiurus ambulans*, *O. armatus* and *O. fimetarius* represented species complexes. Records of these species before this date, for which specimens are not available, can only be attributed to species groupings. It should

be noted that some debate exists about the validity of the species within the complexes (cf. Lawrence, 1979 and the references cited therein). Hopkin (2007b) discusses the group and shows Irish records.

***campata* (Gisin, 1952)**

Synonymy: *in Onychiurus (Protaphorura)* in Bolger (1986).

Footnote: no confirmed British or Irish records (Hopkin, 2007b).

***procampata* (Gisin, 1956)**

Synonymy: *in Onychiurus (Protaphorura)* in Bolger (1986); given as a synonym of *Protaphorura campata* by Hopkin (2007b).

+*pseudocellata* (Naglitsch, 1962)

Footnote: recorded from Co. Dublin by Sterzyńska and Bolger (2004).

***stachi* (Bagnall, 1935)**

Synonymy: *in Onychiurus (Protaphorura)* in Bolger (1986).

***subaequalis* (Bagnall, 1937)**

Synonymy: *in Onychiurus (Protaphorura)* in Bolger (1986); a synonym of *Protaphorura armata* (Tullberg, 1869) in Hopkin (2007b).

***subarmata* (Gisin, 1957)**

Synonymy: *in Onychiurus (Protaphorura)* in Bolger (1986); a synonym of *Protaphorura subuliginata* (Gisin, 1956) in Hopkin (2007b).

***subuliginata* (Gisin, 1956)**

Synonymy: *in Onychiurus (Protaphorura)* in Bolger (1986).

***tricampata* (Gisin, 1956)**

Synonymy: *in Onychiurus (Protaphorura)* in Bolger (1986).

Footnote: no confirmed British or Irish records (Hopkin, 2007b).

SUPRAPHORURA STACH, 1954

***furcifera* (Börner, 1901)**

Synonymy: *in Onychiurus (Protaphorura)* in Bolger (1986).

THALASSAPHORURINI

ALLONYCHIURUS YOSHII, 1995

***edinensis* (Bagnall, 1935)**

Synonymy: *in Onychiurus* in Bolger (1986).

***spinosus* (Bagnall, 1949)**

Synonymy: *in Onychiurus* in Bolger (1986).

Footnote: no confirmed British or Irish records (Hopkin, 2007b).

MICRONYCHIURUS BAGNALL, 1949

***minutus* (Denis, 1932)**

Synonymy: *in Onychiurus* in Bolger (1986).

Footnote: no confirmed British or Irish records (Hopkin, 2007b).

THALASSAPHORURA BAGNALL, 1949

***debilis* (Moniez, 1890)**

Synonymy: *Onychiurus (Protaphorura)*

thalassophilus Bagnall, 1937 in Bolger (1986).

***halophila* (Bagnall, 1937)**

Synonymy: in *Onychiurus* (*Protaphorura*) in Bolger (1986).

11. PODURIDAE

PODURA LINNAEUS, 1758

***aquatica* Linnaeus, 1758**

12. TULLBERGIIIDAE

TULLBERGIIINAE

MESAPHORURA BÖRNER, 1901

+*critica* Ellis, 1976

Footnote: recorded from Co. Dublin by Sterzyńska and Bolger (2004).

***iowensis* (Mills, 1932)**

Synonymy: in *Tullbergia* (*Mesaphorura*) in Bolger (1986).

Footnote: no confirmed British or Irish records (Hopkin, 2007b).

***krausbaueri* Börner, 1901**

Synonymy: in *Tullbergia* (*Mesaphorura*) in Bolger (1986).

+*macrochaeta* Rusek, 1976

Footnote: recorded from Co. Dublin by Sterzyńska and Bolger (2004).

+*petterdassi* (Fjellberg, 1988)

Footnote: recorded from Co. Dublin by Sterzyńska and Bolger (2004).

+*pongei* Rusek, 1982

Footnote: recorded from Co. Dublin by

Sterzyńska and Bolger (2004).

+*tenuisensillata* Rusek, 1974

Footnote: recorded from Ireland by Hopkin (2007a). Hopkin (2007b) shows the record in Co. Down.

METAPHORURA STACH, 1954

***affinis* (Börner, 1903)**

Synonymy: in *Tullbergia* (*Metaphorura*) in Bolger (1986).

NEOTULLBERGIA BAGNALL, 1935

***ramicuspis* (Gisin, 1953)**

Synonymy: in *Tullbergia* (*Neotullbergia*) in Bolger (1986).

PARATULLBERGIA WOMERSLEY, 1930

***callipygos* (Börner, 1902)**

Synonymy: in *Tullbergia* (*Mesaphorura*) in Bolger (1986); also *Tullbergia* (*Paratullbergia*) *carpenteri* (Bagnall, 1935) in Bolger (1986).

STENAPHORURELLA LUCIANEZ AND SIMON, 1992

***denisi* (Bagnall, 1935)**

Synonymy: in *Tullbergia* (*Stenaphorura*) in Bolger (1986); in *Stenaphorura* Absolon, 1900 in Hopkin (2007b).

***quadrispina* (Börner, 1901)**

Synonymy: in *Tullbergia* (*Stenaphorura*) in Bolger (1986); in *Stenaphorura* Absolon, 1900 in Hopkin (2007b).

SYMPHYPLEONA

13. ARRHOPALITIDAE

ARRHOPALITES BÖRNER, 1906

caecus (Tullberg, 1871)

principalis Stach, 1945

pygmaeus (Wankel, 1861)

[*terricolus* Gisin, 1958]

Footnote: Hopkin (2007b) considers the record to be doubtful.

14. BOURLETIELLIDAE

BOURLETIELLA BANKS, 1899

SUBGENUS BOURLETIELLA BANKS, 1899

arvalis (Fitch, 1863)

Synonymy: *Bourletiella lutea* (Lubbock, 1867) in Bolger (1986).

hortensis (Fitch, 1863)

DEUTEROSMINTHURUS BÖRNER, 1901

repandus Ågren, 1903

Synonymy: *Bourletiella* (*Deuterosminthurus*) in Bolger (1986); a synonym of *Deuterosminthurus pallipes* (Bourlet, 1943) in Hopkin (2007b).

sulphureus (Koch, 1840)

Synonymy: in *Bourletiella* (*Deuterosminthurus*) in Bolger (1986).

HETEROSMINTHURUS STACH, 1955

novemlineatus (Tullberg, 1871)

Synonymy: in *Bourletiella* (*Heterosminthurus*) in Bolger (1986).

15. DICYRTOMIDAE

DICYRTOMINAE

DICYRTOMA BOURLET, 1842

fusca (Lubbock, 1873)

DICYRTOMINA BÖRNER, 1903

minuta (O. Fabricius, 1783)

ornata (Nicolet, 1842)

saundersi (Lubbock, 1862)

16. KATIANNIDAE

SMINTHURINUS BÖRNER, 1901

+*albifrons* (Tullberg, 1871)

Footnote: recorded from Co. Dublin by Sterzyńska and Bolger (2004).

aureus (Lubbock, 1862)

elegans (Fitch, 1863)

igniceps (Reuter, 1881)

niger (Lubbock, 1868)

17. SMINTHURIDAE

SMINTHURINAE

ALLACMA BÖRNER, 1906

fusca (Linnaeus, 1758)

Synonymy: in *Sminthurus* (*Allacma*) in Bolger (1986); also *Willowsia buski* (Lubbock, 1869) in Bolger (1986).

CAPRAINEA DALLAI, 1970

marginata (Schoett, 1893)

Synonymy: in *Sminthurus* in Bolger (1986).

SMINTHURUS LATREILLE, 1802

nigromaculatus (Tullberg, 1872)

viridis (Linnaeus, 1758)

18. SMINTHURIDIDAE

SMINTHURIDES BÖRNER, 1900

aquaticus (Bourlet, 1843)

assimilis (Krausbauer, 1898)

Synonymy: a synonym of *Sminthurides signatus* (Krausbauer, 1898) in Hopkin (2007b).

malmgreni (Tullberg, 1876)

parvulus (Krausbauer, 1898)

schoetti Axelson, 1903

SPHAERIDIA LINNANIEMI, 1912

pumilis (Krausbauer, 1898)

Synonymy: in *Sminthurides* (*Sphaeridia*) in Bolger (1986).

STENACIDIA BÖRNER, 1906

violacea (Reuter, 1881)

Synonymy: in *Sminthurides* (*Stenacidia*) in Bolger (1986).

DIPLURA

Delany (1954) listed the Irish species of two-pronged bristle-tails (Diplura). They live in soil, under bark, and in other dark and humid places with decaying matter. Pale in colour, these small creatures have no compound eyes or ocelli.

1. CAMPODEIDAE

CAMPODEINAE

CAMPODEA WESTWOOD, 1842

SUBGENUS CAMPODEA,

WESTWOOD 1842

fragilis Meinert, 1865

+lankesteri Silvestri, 1912

Footnote: recorded from Co. Kilkenny by Good, Blackith and Higgins (1989)

plusiochaeta Silvestri, 1912

staphylinus Westwood, 1842

PROTURA

The Irish fauna was listed by Blackith and Good (1991). These small creatures live in leaf litter and in soil containing organic matter.

ACERENTOMATA

1. ACERENTOMIDAE

ACERENTOMON SILVESTRI, 1907

affine Bagnall, 1912

ACERENTULUS BERLESE, 1908

confinis (Berlese, 1908)

cunhai Condé, 1950

traegardhi Ionesco, 1937

EOSENTOMATA

2. EOSENTOMIDAE

EOSENTOMON BERLESE, 1908

transitorium Berlese, 1908

**HEXAPODA: INSECTA
DERMAPTERA**

The Irish earwigs (Dermaptera) were listed by Marshall and Haes (1990). Easily recognisable due to their stout pinchers (cerci), they are active at night, feeding on a wide variety of insects and plants.

1. {ANISOLABIDIDAE}

{CARCINOPHORINAE}

{EUBORELLIA BURR, 1910}

+{*annulipes* (Dohrn, 1864)}

Footnote: imported in 1983 with Nigerian mahogany into Co. Dublin (O'Connor and Nash, 1984).

2. FORFICULIDAE

FORFICULINAE

FORFICULA LINNAEUS, 1758

auricularia Linnaeus, 1758

+*lesnei* Finot, 1887

Footnote: recorded from Co. Waterford by Cawley (2000). The species is well established on the Waterford coast

(Cawley, 2005).

3. SPONGIPHORIDAE

Synonymy: Labiidae in Marshall and Haes (1990).

LABIINAE

LABIA LEACH, 1915

minor (Linnaeus, 1758)

{SPONGIPHORINAE}

{MARAVA BURR, 1911}

{*arachidis* (Yersin, 1860)}

Synonymy: *Prolabia* in O'Mahony (1950).

Footnote: imported into Co. Dublin (O'Mahony, 1950).

DICTYOPTERA

The Irish cockroaches (Dictyoptera) were listed by Marshall and Haes (1990). Cotton (1982) provided a synopsis of the group (*sensu lato*) in Ireland. Records of several imported species are given in Nash and O'Connor (1990). They are mainly a tropical group and the Irish species are omnivorous ones which live only under artificial conditions here.

BLATTODEA

1. BLABERIDAE

PYCNOSCELINAE

PYCNOSCELUS SCUDDER, 1862

surinamensis (Linnaeus, 1758)

Footnote: recorded from Dublin City by

Cotton (1982). Also imported from The Netherlands (Nash and O'Connor, 1990).

2. BLATTELLIDAE

BLATTELLINAE

BLATTELLA CAUDELL, 1903

germanica (Linnaeus, 1767)

PSEUDOPHYLLODROMIINAE

SUPELLA SHELFORD, 1911

longipalpa (Fabricius, 1798)

Synonymy: *Supella supellectilium*
(Serville, 1839) in Goodhue (1980) and in
Nash *et al.* (1985).

3. BLATTIDAE

BLATTINAE

BLATTA LINNAEUS, 1758

orientalis Linnaeus, 1758

PERIPLANETA BURMEISTER, 1838

americana (Linnaeus, 1758)

australasiae (Fabricius, 1775)

EPHEMEROPTERA

The Irish mayflies (Ephemeroptera) were listed by Ashe, O'Connor and Murray (1998). Later changes in nomenclature follow Kluge (2011). Kelly-Quinn and Bracken (2000) provided information on their distributions. The group is well known to anglers. The immature feeding stages (nymphs) are aquatic, being mainly herbivorous and living on plant debris and algae. Mayflies are unique in moulting after emerging from the water as a winged insect known as the subimago (dun). The next and final adult stage (imago or spinner) is the reproductive one.

BAETOIDEA

1. AMELETIDAE

AMELETUS EATON, 1885

inopinatus Eaton, 1887

2. BAETIDAE

**ALAINITES WALTZ AND
MCCAFFERTY IN WALTZ,
MCCAFFERTY AND THOMAS, 1994**

muticus (Linnaeus, 1758)

Synonymy: *Baëtis pumilus* (Burmeister,
1839) in King and Halbert (1910) and in
Harris (1952).

BAETIS LEACH, 1815

atrebatinus Eaton, 1870

[*fuscatus* (Linnaeus, 1761)]

Synonymy: *Baëtis binoculatus* (sic) auctt.

in King and Halbert (1910); *Baëtis*

bioculatus in Harris (1952).

Footnote: the presence of this species in
Ireland needs confirmation. Male adult
voucher material is required as previous
records are based on females and nymphs.

rhodani (Pictet, 1843)

scambus Eaton, 1870

vernus Curtis, 1834

CENTROPTILUM EATON, 1869

luteolum (Müller, 1776)

CLOEON LEACH, 1815

dipterum (Linnaeus, 1761)

simile Eaton, 1870

PROCLOEON BENGTSSON, 1915

bifidum (Bengtsson, 1912)

O'CONNOR AND NELSON

Synonymy: *Cloëon rufulum* Eaton nec (Müller, 1776) in King and Halbert (1910); *Procloëon pseudorufulum* Kimmins, 1957 in Harris (1952).

3. SIPHLONURIDAE

SIPHLONURUS EATON, 1868

alternatus (Say, 1824)

Synonymy: *Siphonurus linnaeanus* (Eaton, 1871) in Harris (1952).

armatus Eaton, 1870

Synonymy: *Siphurus* in King and Halbert (1910).

lacustris Eaton, 1870

Synonymy: *Siphurus* in King and Halbert (1910).

HEPTAGENIOIDEA

4. HEPTAGENIIDAE

ECDYONURUS EATON, 1868

dispar (Curtis, 1834)

insignis (Eaton, 1870)

Synonymy: in *Ecdyurus* in King and Halbert (1910).

torrentis Kimmins, 1942

venosus (Fabricius, 1775)

Synonymy: in *Ecdyurus* in King and Halbert (1910).

ELECTROGENA ZURWERRA AND TOMKA, 1985

lateralis (Curtis, 1834)

Synonymy: in *Ecdyurus* in King and Halbert (1910); in *Heptagenia* in Harris (1952).

HEPTAGENIA WALSH, 1863

sulphurea (Müller, 1776)

KAGERONIA MATSUMURA, 1931

fuscogrisea (Retzius, 1783)

Synonymy: in *Heptagenia* in Harris (1952); in Ashe, O'Connor and Murray (1998); in Kelly-Quinn and Bracken (2000).

RHITHROGENA EATON, 1881

germanica Eaton, 1885

Synonymy: *Rhithrogena haarupi* Esben-Petersen, 1909 in Harris (1952).

semicolorata (Curtis, 1834)

LEPTOPHLEBIOIDEA

5. LEPTOPHLEBIIDAE

LEPTOPHLEBIA WESTWOOD, 1840

marginata (Linnaeus, 1767)

vespertina (Linnaeus, 1758)

PARALEPTOPHLEBIA LESTAGE, 1917

cincta (Retzius, 1783)

Synonymy: in *Leptophlebia* in King and Halbert (1910).

EPHEMERELLOIDEA

6. EPHEMERELLIDAE

EPHEMERELLA WALSH, 1863

notata Eaton, 1887

SERRATELLA EDMUNDS, 1959

***ignita* (Poda, 1761)**

Synonymy: *in Ephemerella* in Harris (1952); *in* Ashe, O'Connor and Murray (1998); *in* Kelly-Quinn and Bracken (2000).

EPHEMEROIDEA

7. EPHEMERIDAE

EPHEMERA LINNAEUS, 1758

***danica* Müller, 1764**

[*vulgata* Linnaeus, 1758]

Footnote: recorded by King and Halbert (1910) but there is no authentic Irish material.

CAENOIDEA

8. CAENIDAE

CAENIS STEPHENS, 1835

***horaria* (Linnaeus, 1758)**

Synonymy: *Caenis dimidiata* Stephens, 1835 *in* King and Halbert (1910).

***luctuosa* (Burmeister, 1839)**

Synonymy: *Caenis moesta* Bengtsson, 1917 *in* Harris (1952).

***macrura* Stephens, 1835**

Synonymy: *Caenis halterata* Eaton, 1868 nec (Fabricius, 1777) *in* King and Halbert (1910).

***rivulorum* Eaton, 1884**

HEMIPTERA

HETEROPTERA

The Irish Heteroptera were listed by Halbert (1935). Nomenclature follows Aukema and Rieger (1995, 1996, 1999, 2001, 2006). Popularly known as bugs, the name Heteroptera (meaning different wings) derives from the possession in most species of forewings with both membranous and hardened portions. The mouth parts are needle-like. for drawing up liquid food. After hatching, the immature stages (nymphs) change gradually into the adult form. There are both herbivorous and predatory species. Some suck the blood of birds and mammals including humans.

DIPSOCOROMORPHA

DIPSOCOROIDEA

1. CERATOCOMBIDAE

CERATOCOMBINAE

CERATOCOMBINI

CERATOCOMBUS SIGNORET, 1852

SUBGENUS CERATOCOMBUS

SIGNORET, 1852

***coleopratus* (Zetterstedt, 1819)**

2. DIPSOCORIDAE

CRYPTOSTEMMA HERRICH-

SCHAEFFER, 1835

SUBGENUS CRYPTOSTEMMA

HERRICH-SCHAEFFER, 1835

alienum Herrich-Schaeffer, 1835

**SUBGENUS PACHYCOLEUS FIEBER,
1860**

waltli (Fieber, 1860)

Synonymy: *Pachycoleus rufescens* J.
Sahlberg, 1875 in Halbert (1935).

NEPOMORPHA

NEPOIDEA

3. NEPIDAE

NEPINAE

NEPINI

NEPA LINNAEUS, 1758

cinerea Linnaeus, 1758

CORIXOIDEA

4. CORIXIDAE

MICRONECTINAE

MICRONECTA KIRKALDY, 1897

SUBGENUS MICRONECTA

KIRKALDY, 1897

+griseola Horváth, 1899

Footnote: recorded from Co. Clare by
Cuppen and Nelson (2007).

poweri (Douglas and Scott, 1869)

subspecies *poweri* (Douglas and
Scott, 1869)

Synonymy: *Micronecta minutissima*
(Linnaeus, 1758) in Halbert (1935).

CYMATIINAE

CYMATIA FLOR, 1860

bonsdorffii (C. R. Sahlberg, 1819)

Synonymy: *in Corixa in* Halbert (1935).

CORIXINAE

GLAENOCORISINI

GLAENOCORISA THOMSON, 1869

[cavifrons Thomson, 1869]

propinqua (Fieber, 1860)

Synonymy: *Corixa cavifrons* Thomson
1869 in Halbert (1935).

Footnote: the above two taxa are treated as
separate species in Aukema and Rieger
(1995). All Irish material that we have seen
refers to *Glaenocorisa propinqua*. Jansson
(1986) indicates the presence of *G.*
cavifrons in Ireland, but the basis of this
record is unknown.

CORIXINI

ARCTOCORISA WALLENGREN, 1894

+carinata (C. R. Sahlberg, 1819)

Footnote: recorded from Cos Donegal and
Sligo by McCormack, Nolan and Regan
(2006).

germari (Fieber, 1848)

Synonymy: *in Corixa in* Halbert (1935).

CALLICORIXA WHITE, 1873

praeusta (Fieber, 1848)

subspecies *praeusta* (Fieber,
1848)

Synonymy: *in Corixa in* Halbert (1935).

wollastoni (Douglas and Scott,
1865)

Synonymy: *Corixa praeusta* var *wollastoni*
in Halbert (1935).

CORIXA GEOFFROY, 1762

affinis Leach, 1817

dentipes Thomson, 1869

+*iberica* Jansson, 1981

Footnote: recorded from Co. Donegal and
Co. Mayo or Co. Galway by Jansson
(1986).

panzeri Fieber, 1848

punctata (Illiger, 1807)

Synonymy: *Corixa geoffroyi* Leach, 1817
in Halbert (1935).

HESPEROCORIXA KIRKALDY, 1908

castanea (Thomson, 1869)

Synonymy: in *Corixa* in Halbert (1935).

linnaei (Fieber, 1848)

Synonymy: in *Corixa* in Halbert (1935).

moesta (Fieber, 1848)

Synonymy: in *Corixa* in Halbert (1935).

sahlbergi (Fieber, 1848)

Synonymy: in *Corixa* in Halbert (1935).

PARACORIXA POISSON, 1957

concinna (Fieber, 1848)

subspecies *concinna* (Fieber,
1848)

Synonymy: in *Corixa* in Halbert (1935).

SIGARA FABRICIUS, 1775

**SUBGENUS HALICORIXA WALTON,
1940**

+*selecta* (Fieber, 1848)

Footnote: recorded from Co. Kerry by

McCarthy and Walton (1980).

stagnalis (Leach, 1817)

subspecies *stagnalis* (Leach,
1817)

Synonymy: *Corixa lugubris* Fieber, 1848
in Halbert (1935).

**SUBGENUS PSEUDOVERMICORIXA
JACZEWSKI, 1962**

nigrolineata (Fieber, 1848)

subspecies *nigrolineata* (Fieber,
1848)

Synonymy: in *Corixa* in Halbert (1935).

SUBGENUS RETROCORIXA

WALTON, 1940

limitata (Fieber, 1848)

subspecies *limitata* (Fieber, 1848)

Synonymy: in *Corixa* in Halbert (1935).

semistriata (Fieber, 1848)

Synonymy: in *Corixa* in Halbert (1935).

venusta (Douglas and Scott, 1869)

Synonymy: in *Corixa* in Halbert (1935).

**SUBGENUS SIGARA FABRICIUS.
1775**

dorsalis (Leach, 1817)

Synonymy: *Corixa striata* auctt. Brit. nec
(Linnaeus, 1758) in Halbert (1935).

**SUBGENUS SUBSIGARA STICHEL,
1935**

distincta (Fieber, 1848)

Synonymy: in *Corixa* in Halbert (1935).

falleni (Fieber, 1848)

Synonymy: in *Corixa* in Halbert (1935).

+*fallenoidea* (Hungerford, 1926)

Synonymy: The synonymy of *pearcei* and *fallenoidea* was shown by China (1955). *Sigara pearcei* Walton, 1936 in Walton (1936).

Footnote: recorded from Cos Galway and Tipperary as *Sigara pearcei* in Walton (1936).

***fossarum* (Leach, 1817)**

Synonymy: in *Corixa* in Halbert (1935).

***scotti* (Douglas and Scott, 1868)**

Synonymy: in *Corixa* in Halbert (1935).

SUBGENUS VERMICORIXA

WALTON, 1940

***lateralis* (Leach, 1817)**

Synonymy: *Corixa heiroglyphica* (Dufour, 1833) in Halbert (1935).

NAUCOROIDEA

5. APHELOCHEIRIDAE

**APHELOCHEIRUS WESTWOOD,
1833**

SUBSPECIES APHELOCHEIRUS

WESTWOOD, 1833

***aestivalis* (Fabricius, 1794)**

Footnote: Irish and British specimens are assigned to the form *montandoni* Horváth, 1899.

NOTONECTOIDEA

6. NOTONECTIDAE

NOTONECTINAE

NOTONECTINI

NOTONECTA LINNAEUS, 1758

SUBGENUS NOTONECTA

LINNAEUS, 1758

***glauca* Linnaeus, 1758**

subspecies *glauca* Linnaeus, 1758

[*maculata* Fabricius, 1794]

Footnote: the presence of *Notonecta maculata* in Ireland requires confirmation.

Although recorded by several authors, there are no traceable vouchers. Specimens of *N. glauca* with strongly spotted elytra are not uncommon and these are considered the likeliest source of the published records.

***obliqua* Thunberg, 1787**

Synonymy: *Notonecta furcata* Fabricius, 1794 in Halbert (1935).

***viridis* Delcourt, 1909**

Synonymy: *Notonecta marmorea viridis* Delcourt, 1909 in Halbert (1935).

PLEOIDEA

7. PLEIDAE

PLEA LEACH, 1817

***minutissima* Leach, 1817**

**subspecies *minutissima* Leach,
1817**

GERROMORPHA

MESOVELIOIDEA

8. MESOVELIIDAE

MESOVELIINAE

MESOVELIA MALSANT AND REY, 1852

+*furcata* Mulsant and Rey, 1852

Footnote: recorded from Co. Kerry by Aukema *et al.* (2007).

HEBROIDEA

9. HEBRIDAE

HEBRINAE

HEBRUS CURTIS, 1833

SUBGENUS HEBRUSELLA POISSON, 1944

+*ruficeps* Thomson, 1871

HYDROMETROIDEA

10. HYDROMETRIDAE

HYDROMETRINAE

HYDROMETRA LATREILLE, 1796

+*gracilentata* Horváth, 1899

Footnote: recorded from Co. Cork by Oliver and Healy (1998)

+*stagnorum* (Linnaeus, 1758)

GERROIDEA

11. VELIIDAE

MICROVELIINAE

MICROVELIINI

MICROVELIA WESTWOOD, 1834

SUBGENUS MICROVELIA

WESTWOOD, 1834

+*pygmaea* (Dufour, 1833)

Synonymy: placed in the subgenus

Picaultia Distant, 1913 in *Fauna Europaea*.

Footnote: recorded from Co. Cork by Walton (1981).

+*reticulata* (Burmeister, 1835)

VELIINAE

VELIA LATREILLE, 1804

SUBGENUS PLESIOVELIA

TAMANINI, 1955

+*caprai* Tamanini, 1947

+*subspecies caprai* Tamanini, 1947

Synonymy: *Velia currens*: auctt., nec (Fabricius, 1794) in Halbert (1935).

Footnote: the true *Velia currens* (Fabricius, 1794) does not occur in Ireland.

+*saulii* Tamanini, 1947

Footnote: recorded from Co. Westmeath by O'Connor and Norton (1977).

12. GERRIDAE

GERRINAE

GERRINI

AQUARIUS SCHELLENBERG, 1800

+*najas* (De Geer, 1773)

Synonymy: *in Gerris* in Halbert (1935).

GERRIS FABRICIUS, 1794

SUBGENUS GERRIS FABRICIUS, 1794

+*argentatus* Schummel, 1832

+*costae* (Herrich-Schaeffer, 1850)

+*subspecies poissoni* Wagner and

Zimmermann, 1955

Synonymy: *Gerris lateralis* Schummel, 1832 var. *costae* in Halbert (1935).

lacustris (Linnaeus, 1758)

odontogaster (Zetterstedt, 1828)

thoracicus Schummel, 1832

SUBGENUS GERRISELLOIDES

HUNGERFORD AND MATSUDA,

1958

+*lateralis* Schummel, 1832

Footnote: recorded from Cos Dublin and Kerry by Pearce and Walton (1939).

LIMNOPORUS STÅL, 1868

rufoscutellatus (Latreille, 1807)

Synonymy: in *Gerris* in Halbert (1935).

LEPTOPODOMORPHA

SALDOIDEA

13. AEOPHILIDAE

AEOPHILUS SIGNORET, 1879

bonnairei Signoret, 1879

14. SALDIDAE

CHILOXANTHINAE

CHILOXANTHUS REUTER, 1891

pilosus (Fallén, 1807)

Synonymy: in *Salda* in Halbert (1935).

SALDINAE

SALDINI

SALDA FABRICIUS, 1803

littoralis (Linnaeus, 1758)

morio Zetterstedt, 1838

muelleri (Gmelin, 1790)

Synonymy: *Salda oculata* Müller, 1776 in Halbert (1935).

SALDOIDINI

CHARTOSCIRTA STÅL, 1868

cincta (Herrich-Schaeffer, 1841)

subspecies *cincta* (Herrich-Schaeffer, 1841)

Synonymy: in *Salda* in Halbert (1935).

elegantula (Fallén, 1807)

subspecies *longicornis* (Jakovlev, 1882)

Synonymy: in *Salda* in Halbert (1935).

HALOSALDA REUTER, 1912

lateralis (Fallén, 1807)

Synonymy: in *Salda* in Halbert (1935).

MACROSALDULA LESTON AND SOUTHWOOD, 1964

scotica (Curtis, 1835)

Synonymy: in *Salda* in Halbert (1935).

SALDULA VAN DUZEE, 1914

+*connemarae* Walton, 1986

Footnote: recorded from Co. Galway by Walton (1986). Péricart (1990) considered this to be a local phenotypic form of *Saldula saltatoria*.

+*opacula* (Zetterstedt, 1838)

Footnote: recorded from Cos Armagh, Cork, Donegal and Dublin by Walton (1966).

orthochila (Fieber, 1859)

Synonymy: *in Salda* in Halbert (1935).

[*pallipes* (Fabricius, 1794)]

Synonymy: *in Salda* in Halbert (1935).

Footnote: this species requires confirmation (Walton, 1966).

***palustris* (Douglas, 1874)**

Synonymy: *in Salda* in Halbert (1935).

***pilosella* (Thomson, 1871)**

subspecies *pilosella* (Thomson, 1871)

Synonymy: *in Salda* in Halbert (1935).

***saltatoria* (Linnaeus, 1758)**

Synonymy: *in Salda* in Halbert (1935).

CIMICOMORPHA

TINGOIDEA

15. TINGIDAE

TINGINAE

ACALYPTA WESTWOOD, 1840

***brunnea* (Germar, 1837)**

***carinata* (Panzer, 1806)**

Synonymy: *Acalypta cervina* Germar, 1837 *in* Halbert (1935).

[*nigrina* (Fallén, 1807)]

Footnote: requires confirmation. This species has not been recorded since Haliday and may be extinct.

DEREPHYSIA SPINOLA, 1837

SUBGENUS *DEREPHYSIA* SPINOLA, 1837

***foliacea* Fallén, 1807**

subspecies *foliacea* Fallén, 1807

DICTYLA STÅL, 1874

***convergens* (Herrich-Schaeffer, 1835)**

Synonymy: *Monanthia humuli*: auctt. nec (Fabricius, 1794) *in* Halbert (1935).

KALAMA PUTON, 1876

***tricornis* (Schrank, 1801)**

Synonymy: *in Dictyonota* in Halbert (1935).

TINGIS FABRICIUS, 1803

SUBGENUS *TINGIS* FABRICIUS, 1803

***cardui* (Linnaeus, 1758)**

MIROIDEA

16. MICROPHYSIDAE

LORICULA CURTIS, 1833

Synonymy: Aukema and Rieger (1999) give generic status to *Loricula* and *Myrmedobia*.

SUBGENUS *LORICULA* CURTIS, 1833

***elegantula* (Baerensprung, 1858)**

Synonymy: *in Microphysa* in Halbert (1935).

+*pselaphiformis* Curtis, 1833

Footnote: recorded from Co. Down by Masee (1958).

SUBGENUS *MYRMEDOBIA*

BAERENSPRUNG, 1857

***exilis* Fallén, 1807**

Synonymy: *Myrmedobia tenella* (Zetterstedt, 1828) *in* Halbert (1935).

***inconspicua* (Douglas and Scott,**

1871)

17. MIRIDAE

BRYOCORINAE

BRYOCORINI

BRYOCORIS FALLÉN, 1829

pteridis (Fallén, 1807)

MONALOCORIS DAHLBOM, 1851

SUBGENUS MONALOCORIS

DAHLBOM, 1851

filicis (Linnaeus, 1758)

DICYPHINI

CAMPYLONEURA FIEBER, 1858

virgula (Herrich-Schaeffer, 1835)

DICYPHUS FIEBER, 1858

SUBGENUS DICYPHUS FIEBER, 1858

+constrictus (Boheman, 1852)

Footnote: recorded from Co. Kerry by Kirby (1983).

epilobii Reuter, 1883

errans (Wolff, 1804)

stachydis J. Sahlberg, 1878

subspecies *stachydis* J. Sahlberg,

1878

SUBGENUS IDOLOCORIS DOUGLAS AND SCOTT, 1865

pallicornis (Fieber, 1861)

Synonymy: *Dicyphus pallidicornis* Fieber in Halbert (1935).

MACROLOPHUS FIEBER, 1858

pygmaeus (Rambur, 1839)

Synonymy: *Macrolophus nubilus* Herrich-Schaeffer, 1835 in Halbert (1935).

DERAEOCORINAE

CLIVINEMATINI

BOTHYNOTUS FIEBER, 1864

+pilosus (Boheman 1852)

Footnote: recorded from Co. Clare by Aukema *et al.* (2007).

DERAEOCORINI

DERAEOCORIS KIRSCHBAUM, 1856

SUBGENUS DERAEOCORIS

KIRSCHBAUM, 1856

[ruber (Linnaeus, 1758)]

Synonymy: *in Capsus* in Halbert (1935).

Footnote: requires confirmation. This species has not been recorded since the nineteenth century and may be extinct.

+scutellaris (Fabricius, 1794)

Footnote: recorded from Co. Kildare by Aukema *et al.* (2007).

MIRINAE

MIRINI

ADELPHOCORIS REUTER, 1896

lineolatus (Goeze, 1778)

seticornis (Fabricius, 1775)

APOLYGUS CHINA, 1941

lucorum (Meyer-Dür, 1843)

Synonymy: *in Lygus* in Halbert (1935).

spinolae (Meyer-Dür, 1841)

Synonymy: *in Lygus* in Halbert (1935).

CALOCORIS FIEBER, 1858

roseomaculatus (De Geer, 1773)

subspecies *roseomaculatus* (De Geer, 1773)

CAMPTOZYGUM REUTER, 1896

aequale (Villers, 1789)

Synonymy: *Camptozygum pinastri* (Fallén, 1807) in Halbert (1935).

CAPSODES DAHLBOM, 1851

[*flavomarginatus* (Donovan, 1798)]

Synonymy: in *Lophus* in Halbert (1935).

Footnote: requires confirmation. This species has not been recorded since Haliday and may be extinct.

CAPSUS FABRICIUS, 1803

ater (Linnaeus, 1758)

Synonymy: in *Rhopalotomus* in Halbert (1935).

CHARAGOCHILUS FIEBER, 1858

SUBGENUS CHARAGOCHILUS

FIEBER, 1858

gyllenhalii (Fallén, 1807)

CLOSTEROTOMUS FIEBER, 1858

norwegicus (Gmelin, 1790)

Synonymy: in *Calocoris* in Halbert (1935).

DICHROOSCYTUS FIEBER, 1858

rufipennis (Fallén, 1807)

GRYPOCORIS DOUGLAS AND

SCOTT, 1868

SUBGENUS LOPHYROMIRIS

WAGNER, 1958

stysi (Wagner, 1968)

Synonymy: *Calocoris sexguttatus* nec Fabricius, 1777 in Halbert (1935).

LIOCORIS FIEBER, 1858

tripustulatus (Fabricius, 1781)

LYGOCORIS REUTER, 1875

SUBGENUS LYGOCORIS REUTER, 1875

pabulinus (Linnaeus, 1761)

Synonymy: in *Lygus* in Halbert (1935).

rugicollis (Fallén, 1807)

Synonymy: in *Plesiocoris* in Halbert (1935).

SUBGENUS NEOLYGUS KNIGHT, 1917

contaminatus Fallén, 1807

Synonymy: in *Lygus* in Halbert (1935).

viridis (Fallén, 1807)

Synonymy: in *Lygus* in Halbert (1935).

LYGUS HAHN, 1833

+*maritimus* Wagner, 1949

Footnote: recorded from Ireland by Aukema and Rieger (1999). Reported from Cos Antrim, Clare, Down and Offaly by Aukema *et al.* (2007).

[*pratensis* (Linnaeus, 1758)]

Footnote: requires confirmation. The keys in Southwood and Leston (1959) are incorrect for this species (Woodroffe, 1966).

[+*punctatus* (Zetterstedt, 1838)]

Footnote: recorded by Masee (1964).

O'CONNOR AND NELSON

Stelfox (1965) reported the species from Cos Down and Dublin. Requires confirmation, the keys in Southwood and Leston (1959) are incorrect for this species (Woodroffe, 1966).

+rugulipennis Poppius, 1911

Footnote: recorded by Southwood and Leston (1959). Lansbury (1965) reported the species from Co. Clare.

+wagneri Remane, 1955

Footnote: recorded from Co. Clare by Morris (1967).

MIRIS FABRICIUS, 1794

striatus (Linnaeus, 1758)

Synonymy: *in Pycnopterna* in Halbert (1935).

ORTHOPS FIEBER, 1858

SUBGENUS ORTHOPS FIEBER, 1858

+basalis (A. Costa, 1853)

Footnote: recorded from Co. Offaly by Aukema *et al.* (2007).

campestris (Linnaeus, 1758)

Synonymy: *Lygus pastinacae* Fallén, 1807 *in* Halbert (1935).

kalmii (Linnaeus, 1758)

Synonymy: *in Lygus* in Halbert (1935).

PANTILIUS CURTIS, 1833

SUBGENUS PANTILIUS CURTIS, 1833

tunicatus (Fabricius, 1781)

PHYTOCORIS FALLÉN, 1814

SUBGENUS KTENOCORIS WAGNER,

1954

ulmi (Linnaeus, 1758)

varipes Boheman, 1852

SUBGENUS PHYTOCORIS FALLÉN, 1814

dimidiatus Kirschbaum, 1856

longipennis Flor, 1861

populi (Linnaeus, 1758)

+reuteri Saunders, 1876

Footnote: recorded from Co. Armagh by Masee (1958).

tiliae (Fabricius, 1777)

subspecies tiliae (Fabricius, 1777)

PINALITUS KELTON, 1955

atomarius (Meyer-Dür, 1843)

Synonymy: *in Lygus* in Halbert (1935).

cervinus (Herrich-Schaeffer, 1841)

Synonymy: *in Lygus* in Halbert (1935).

rubricatus (Fallén, 1807)

Synonymy: *in Lygus* in Halbert (1935).

POLYMERUS HAHN, 1831

SUBGENUS POECILOSCYTUS FIEBER, 1858

palustris (Reuter, 1907)

Footnote: *in Poeciloscytus* in Halbert (1935).

SUBGENUS POLYMERUS HAHN, 1831

+nigrita (Fallén, 1807)

Footnote: recorded from Co. Kildare by Stelfox (1965).

RHABDOMIRIS WAGNER, 1968

striatellus (Fabricius, 1794)
subspecies *striatellus* (Fabricius,
1794)

Synonymy: *Calocoris ochromelas* nec
(Gmelin, 1788) in Halbert (1935).

STENOTUS JAKOVLEV, 1877

binotatus (Fabricius, 1794)

STENODEMINI

LEPTOPTERNA FIEBER, 1858

dolabrata (Linnaeus, 1758)

ferrugata (Fallén, 1807)

NOTOSTIRA FIEBER, 1858

erratica (Linnaeus, 1758)

PITHANUS FIEBER, 1858

maerkelii (Herrich-Schaeffer,
1838)

Synonymy: *Pithanus maerkeli* in Halbert
(1935).

STENODEMA LAPORTE, 1833

**SUBGENUS BRACHYSTIRA FIEBER,
1858**

calcarata (Fallén, 1807)

**SUBGENUS STENODEMA LAPORTE,
1833**

holsata (Fabricius, 1787)

laevigata (Linnaeus, 1758)

TERATOCORIS FIEBER, 1858

saundersi Douglas and Scott,
1869

subspecies *saundersi* Douglas and
Scott, 1869

viridis Douglas and Scott, 1867

TRIGONOTYLUS FIEBER, 1858

ruficornis (Geoffroy, 1785)

ORTHOTYLINAE

HALTICINI

ORTHOCEPHALUS FIEBER, 1858

coriaceus (Fabricius, 1777)

Synonymy: *Orthocephalus mutabilis*
(Fallén, 1807) in Halbert (1935).

saltator (Hahn, 1835)

PACHYTOMELLA REUTER, 1890

parallela (Meyer-Dür, 1843)

ORTHOTYLINI

**BLEPHARIDOPTERUS KOLENATI,
1845**

angulatus (Fallén, 1807)

Synonymy: *in Aetorhinus* (sic) in Halbert
(1935).

CYLLECORIS HAHN, 1834

histrionius (Linnaeus, 1767)

Synonymy: *Cyllecoris histrionicus*
(misspelling) in Halbert (1935).

CYRTORHINUS FIEBER, 1858

caricis (Fallén, 1807)

DRYOPHILOCORIS REUTER, 1875

**SUBGENUS DRYOPHILOCORIS
REUTER, 1875**

[*flavoquadrimaculatus* (De Geer,
1773)]

Synonymy: *Cyllecoris flavonotatus*
Boheman, 1852 in Halbert (1935).

Note: unconfirmed *in* Halbert (1935) and *in* Alexander and Foster (2000).

FIEBEROCAPSUS CARVALHO AND SOUTHWOOD, 1955

flaveolus (Reuter, 1870)

Synonymy: *in* *Cyrtorrhinus* *in* Halbert (1935).

GLOBICEPS LEPELETIER AND SERVILLE, 1825

SUBGENUS *KELIDOCORIS*

KOLENATI, 1845

flavomaculatus (Fabricius, 1794)

fulvicollis Jakovlev, 1877

Synonymy: *Globiceps cruciatus* Reuter, 1879 *in* Halbert (1935).

Footnote: the Irish status of the species was considered doubtful by Halbert(1935). Found in Co. Clare by Aukema *et al.* (2007).

HETEROCORDYLUS FIEBER, 1858

SUBGENUS *HETEROCORDYLUS* FIEBER, 1858

tibialis (Hahn, 1833)

HETEROTOMA LEPELETIER AND SERVILLE, 1825

planicornis (Pallas, 1772)

Synonymy: *Heterotoma merioptera* (Scopoli, 1763) *in* Halbert (1935).

MALACOCORIS FIEBER, 1858

chlorizans (Panzer, 1794)

MECOMMA FIEBER, 1858

SUBGENUS *GLOBICELLUS*

KIRITSHENKO, 1951

dispar (Boheman, 1852)

Synonymy: *in* *Globiceps* *in* Halbert (1935).

SUBGENUS *MECOMMA* FIEBER, 1858

ambulans (Fallén, 1807)

subspecies *ambulans* (Fallén, 1807)

ORTHOTYLUS FIEBER, 1858

SUBGENUS *LITOCORIS* FIEBER, 1860

ericetorum (Fallén, 1807)

subspecies *ericetorum* (Fallén, 1807)

SUBGENUS *MELANOTRICHUS*

REUTER, 1875

flavosparsus (C. R. Sahlberg, 1841)

SUBGENUS *ORTHOTYLUS* FIEBER, 1858

flavinervis (Kirschbaum, 1856)

marginalis Reuter, 1883

nassatus (Fabricius, 1787)

ochrotrichus Fieber, 1864

prasinus (Fallén, 1826)

tenellus (Fallén, 1807)

viridinervis (Kirschbaum, 1856)

SUBGENUS *PACHYLOPS* FIEBER, 1858

adenocarpus (Perris, 1857)

subspecies *adenocarpus* (Perris, 1857)

concolor (Kirschbaum, 1856)

virescens (Douglas and Scott,
1865)

Synonymy: *Orthotylus chloropterus*

Kirschbaum, 1856 in Halbert (1935).

SUBGENUS PSEUDORTHOTYLUS

POPPIUS, 1914

bilineatus (Fallén, 1807)

PLATYCRANUS FIEBER, 1870

SUBGENUS GENISTOCAPSUS

WAGNER, 1956

+bicolor (Douglas and Scott,
1868)

Synonymy: in *Pachylops* in Masee
(1958).

Footnote: recorded from Co. Down by
Masee (1958).

PHYLINAE

HALLODAPINI

HALLODAPUS FIEBER, 1858

rufescens (Burmeister, 1835)

Synonymy: in *Allodapus* in Halbert
(1935).

PHYLINI

ASCIODEMA REUTER, 1878

obsoleta (Fieber, 1864)

ATRACTOTOMUS FIEBER, 1858

magnicornis (Fallén, 1807)

CHLAMYDATUS CURTIS, 1833

**SUBGENUS EUATTUS KERZHNER,
1962**

pullus (Reuter, 1870)

COMPSIDOLON REUTER, 1899

SUBGENUS CONIORTODES

WAGNER, 1952

salicellum (Herrich-Schaeffer,
1841)

Synonymy: in *Psallus* in Halbert (1935).

CONOSTETHUS FIEBER, 1858

+brevis Reuter, 1877

Footnote: recorded from Co. Down by
Nelson (1988).

+griseus Douglas and Scott, 1870

Synonymy: *Conostethus friscus* Wagner,
1952 in Aukema and Reiger (1999).

Footnote: recorded from Ireland by
Aukema and Reiger (1999) who give no
locality.

HARPOCERA CURTIS, 1838

thoracica (Fallén, 1807)

MACROTYLUS FIEBER, 1858

SUBGENUS ALLOEONYCHA

REUTER, 1904

paykullii (Fallén, 1807)

MEGALOCOLEUS REUTER, 1890

molliculus (Fallén, 1807)

ORTHONOTUS STEPHENS, 1829

rufifrons (Fallén, 1807)

Footnote: in *Byrsoptera* in Halbert (1935).

PHYLUS HAHN, 1831

SUBGENUS PHYLUS HAHN, 1831

coryli (Linnaeus, 1758)

Footnote: Halbert (1935) also records the

variety *avellanae* Meyer-Dür, 1841.

melanocephalus (Linnaeus, 1767)

palliceps Fieber, 1861

PLAGIOGNATHUS FIEBER, 1858

SUBGENUS PLAGIOGNATHUS

FIEBER, 1858

arbustorum (Fabricius, 1794)

subspecies *arbustorum*

(Fabricius, 1794)

chrysanthemi (Wolff, 1804)

PLESIODEMA REUTER, 1875

+*pinetella* (Zetterstedt, 1828)

Footnote: recorded from Co. Down by Alexander and Foster (2000).

PSALLODEMA V. G. PUTSHKOV, 1970

fieberi (Fieber, 1864)

Synonymy: *in Asciodema in* Halbert (1935).

PSALLUS FIEBER, 1858

SUBGENUS APOCREMNUS FIEBER, 1858

betuleti (Fallén, 1826)

subspecies *betuleti* (Fallén, 1826)

SUBGENUS HYLOPSALLUS

WAGNER, 1952

+*perrisi* (Mulsant and Rey, 1852)

Footnote: recorded from Co. Wicklow by Stelfox (1965).

variabilis (Fallén, 1807)

+*wagneri* Ossiannilsson, 1953

Footnote: recorded from Co. Antrim by

Alexander and Foster (2000).

SUBGENUS MESOPSALLUS

WAGNER, 1970

ambiguus (Fallén, 1807)

SUBGENUS PHYLIDEA REUTER, 1899

quercus (Kirschbaum, 1856)

SUBGENUS PSALLUS FIEBER, 1858

+*confusus* Rieger, 1981

Footnote: recorded from Ireland by Aukema and Rieger (1999). Reported from Co. Galway by Aukema and Aukema (2001).

falleni Reuter, 1883

+*flavellus* Stichel, 1933

Footnote: recorded from Co. Armagh by Alexander and Foster (1999).

haematodes (Gmelin, 1790)

Synonymy: *Psallus roseus* Fabricius, 1777 *in* Halbert (1935).

lepidus Fieber, 1858

mollis (Mulsant and Rey, 1852)

Synonymy: *Psallus diminutus* (Kirschbaum, 1856) *in* Halbert (1935).

salicis (Kirschbaum, 1856)

Synonymy: *Psallus alnicola* Douglas and Scott, 1871 *in* Halbert (1935).

varians (Herrich-Schaeffer, 1841)

subspecies *varians* (Herrich-Schaeffer, 1841)

TYTTHUS FIEBER, 1864

+*pubescens* (Knight, 1931)

Footnote: recorded from Cos Clare, Down and Galway by Aukema *et al.* (2007).

pygmaeus (Zetterstedt, 1838)

Synonymy: *in Cyrtorrhinus* in Halbert (1935).

CIMICOIDEA

18. NABIDAE

NABINAE

NABINI

HIMACERUS WOLFF, 1811

SUBGENUS *ANAPTUS* KERZHNER,
1968

major (A. Costa, 1842)

Synonymy: *in Nabis* in Halbert (1935).

SUBGENUS *APTUS* HAHN, 1831

mirmicoides (O. Costa, 1834)

Synonymy: *Nabis lativentris Boheman*, 1852 *in* Halbert (1935).

SUBGENUS *STALIA* REUTER, 1872

boops (Schjødte, 1870)

Footnote: recorded from Co. Galway by Aukema *et al.* (2007).

NABIS LATREILLE, 1802

SUBGENUS *DOLICHONABIS*
REUTER, 1908

limbatus Dahlbom, 1851

SUBGENUS *LIMNONABIS*
KERZHNER, 1968

lineatus Dahlbom, 1851

SUBGENUS *NABICULA* KIRBY, 1837

flavomarginatus Scholtz, 1847

SUBGENUS *NABIS* LATREILLE, 1802

ericetorum Scholtz, 1847

ferus (Linnaeus, 1758)

rugosus (Linnaeus, 1758)

19. ANTHOCORIDAE

ANTHOCORINAE

ANTHOCORINI

ACOMPOCORIS REUTER, 1875

+*alpinus* Reuter, 1875

Footnote: recorded from Co. Kerry by Kirby (1983).

pygmaeus (Fallén, 1807)

ANTHOCORIS FALLÉN, 1814

+*butleri* Le Quesne, 1954

Synonymy: *Anthocoris nemoralis butleri* Le Quesne, 1954 *in* Judd (1986).

Footnote: recorded from Co. Wicklow by Judd (1986).

confusus Reuter, 1884

gallarumulmi (De Geer, 1773)

limbatus Fieber, 1836

nemoralis (Fabricius, 1794)

nemorum (Linnaeus, 1761)

sarothamni Douglas and Scott,
1865

TEMNOSTETHUS FIEBER, 1860

SUBGENUS *TEMNOSTETHUS*
FIEBER, 1860

+*gracilis* Horváth, 1907

Footnote: recorded from Co. Kerry by Kirby (1983).

+pusillus (Herrich-Schaeffer, 1835)

Footnote: recorded from Cos Galway, Kerry and Louth by O'Connor (1989).

+tibialis Reuter, 1888

Footnote: recorded from Co. Kildare by O'Connor (1989).

TETRAPHLEPS FIEBER, 1860

bicuspis (Herrich-Schaeffer, 1835)

Synonymy: *Tetrableps vittata* (Fieber, 1836) in Halbert (1935).

ORIINI

ORIUS WOLFF, 1811

SUBGENUS HETERORIUS WAGNER, 1952

+laticollis (Reuter, 1884)

Footnote: recorded from Co. Clare by Aukema *et al.* (2007).

+majusculus (Reuter, 1879)

Footnote: recorded from Cos Down and Kildare by Stelfox (1965).

[minutus (Linnaeus, 1758)]

Synonymy: requires confirmation. There is confusion between *Orius minutus* and its siblings: *O. horvathi* (Reuter, 1884), *O. laticollis* (Reuter, 1884) and *O. vicinus* (Ribaut, 1923).

SUBGENUS ORIUS WOLFF, 1811

+laevigatus (Fieber, 1860)

subspecies laevigatus (Fieber, 1860)

Footnote: recorded from Co. Kerry by Britten (1939).

niger (Wolff, 1811)

Synonymy: *Triphleps nigra* in Halbert (1935).

LYCTOCORINAE

LYCTOCORINI

LYCTOCORIS HAHN, 1936

campestris (Fabricius, 1794)

XYLOCORINI

DUFOURIELLUS KIRKALDY, 1906

+ater Dufour, 1833

Footnote: recorded from Co. Down by Alexander and Foster (1999).

XYLOCORIS DUFOUR, 1831

SUBGENUS PROXYLOCORIS

CARAYON, 1972

galactinus (Fieber, 1836)

Synonymy: in *Piezostethus* in Halbert (1935).

20. CIMICIDAE

CIMICINAE

CIMEX LINNAEUS, 1758

lectularius Linnaeus, 1758

pipistrelli Jenyns, 1839

OECIACUS STÅL, 1873

hirundinis (Lamarck, 1816)

REDUVIOIDEA

21. REDUVIIDAE

EMESINAE

PLOIARIOLINI

EMPICORIS WOLFF, 1811

culiciformis (De Geer, 1773)

Synonymy: *in Ploiariola* in Halbert (1935). Includes *Empicoris thermalis* Dispons (O'Connor and O'Connor, 1993).

vagabundus (Linnaeus, 1758)

Synonymy: *in Ploiariola* in Halbert (1935).

PENTATOMOMORPHA

ARADOIDEA

22. ARADIDAE

ARADINAE

ARADUS FABRICIUS, 1803

depressus (Fabricius, 1794)

subspecies *depressus* (Fabricius, 1794)

COREOIDEA

23. ALYDIDAE

ALYDUS FABRICIUS, 1803

calcaratus Linnaeus, 1758

Footnote: recorded from Co. Down by Nelson (1986).

24. COREIDAE

COREINAE

COREINI

COREUS FABRICIUS, 1794

marginatus Linnaeus, 1758

Synonymy: *in Syromastes* in Halbert (1935).

25. RHOPALIDAE

CORIZUS FALLÉN, 1814

hyoscyami (Linnaeus, 1758)

Synonymy: *in Therapha* in Halbert (1935).

LIORHYSSUS STÅL, 1870

hyalinus Fabricius, 1794

Synonymy: *in Corizus* in Halbert (1935).

[RHOPALUS SCHILLING, 1827

SUBGENUS RHOPALUS SCHILLING, 1827]

[parumpunctatus Schilling, 1829]

Synonymy: *in Corizus* in Halbert (1935).

Footnote: requires confirmation. This species has not been recorded since Haliday and may be extinct.

26. STENOCEPHALIDAE

DICRANOCEPHALUS HAHN, 1826

agilis (Scopoli, 1763)

Synonymy: *in Stenocephalus* in Halbert (1935).

LYGAEOIDEA

27. BERYTIDAE

BERYTINAE

BERYTINI

NEIDES LATREILLE, 1802

tipularius (Linnaeus, 1758)

BERYTININI

BERYTINUS KIRKALDY, 1900

**SUBGENUS BERYTINUS KIRKALDY,
1900**

minor (Herrich-Schaeffer, 1835)

Synonymy: *in Berytus in* Halbert (1935).

**SUBGENUS LIZINUS MULSANT AND
REY, 1870**

+*montivagus* (Meyer-Dur, 1841)

Footnote: recorded from Co. Dublin by Douglas and Scott (1865) but overlooked by Halbert (1935). Records from Cos Clare and Cork are given *in* O'Connor, O'Connor and de Courcy Williams (1988).

signoreti (Fieber, 1859)

Synonymy: *in Berytus in* Halbert (1935).

GAMPSOCORINAE

GAMPSOCORINI

GAMPSOCORIS FUSS, 1852

punctipes (Germar, 1822)

Synonymy: *in Metacanthus in* Halbert (1935).

METACANTHINAE

METATROPINI

METATROPIS FIEBER, 1859

rufescens (Herrich-Schaeffer,
1835)

Footnote: recorded from Co. Galway by Stelfox (1938).

28. LYGAEIDAE

ARTHENEINAE

ARTHENEINI

CHILACIS FIEBER, 1864

typhae (Perris, 1857)

BLISSINAE

ISCHNODEMUS FIEBER, 1837

sabuleti (Fallén, 1826)

CYMINAE

CYMINI

CYMUS HAHN, 1832

clavicolus (Fallén, 1807)

glandicolor Hahn, 1832

HETEROGASTRINAE

[HETEROGASTER SCHILLING, 1829]

[*urticae* (Fabricius, 1775)]

Footnote: requires confirmation. This species has not been recorded since Haliday and may be extinct.

ISCHNORHYNCHINAE

KLEIDOCERYYS STEPHENS, 1829

+*ericae* (Horváth, 1908)

Footnote: recorded from Co. Meath by Stelfox (1965).

resedae (Panzer, 1797)

Synonymy: *in Ischnorhynchus in* Halbert (1935).

ORSILLINAE

NYSIINI

NYSIUS DALLAS, 1852

thymi (Wolff, 1804)

RHYPAROCHROMINAE

DRYMINI

DRYMUS FIEBER, 1860

SUBGENUS DRYMUS FIEBER, 1860

+*pilicornis* (Mulsant and Rey,
1852)

Footnote: recorded from Co. Offaly by
Aukema *et al.* (2007).

SUBGENUS SYLVADRYMUS LE

QUESNE, 1956

brunneus (R. F. Sahlberg, 1848)

subspecies *brunneus* (R. F.
Sahlberg, 1848)

ryeii Douglas and Scott, 1865

Synonymy: *Drymus sylvaticus* var. *ryeii*
Douglas and Scott, 1865 *in* Halbert (1935).

sylvaticus (Fabricius, 1775)

GASTRODES WESTWOOD, 1840

grossipes (De Geer, 1773)

subspecies *grossipes* (De Geer,
1773)

Synonymy: *Gastrodes ferrugineus*
(Linnaeus, 1767) nec (Scopoli, 1763) *in*
Halbert (1935).

ISCHNOCORIS FIEBER, 1860

angustulus (Boheman, 1852)

**LAMPROPLAX DOUGLAS AND
SCOTT, 1868**

picea (Flor, 1860)

Synonymy: *in Drymus in* Halbert (1935).

SCOLOPOSTETHUS FIEBER, 1860

affinis (Schilling, 1829)

decoratus (Hahn, 1833)

+*grandis* Horváth, 1880

Synonymy: *Scolopstethus* (misspelling) *in*
Nelson (1997).

Footnote: recorded from Co. Armagh by
Nelson (1997).

+*puberulus* Horváth, 1887

Footnote: recorded from Co. Wexford by
O'Connor (1986).

thomsoni Reuter, 1875

Synonymy: *Scolopostethus thomsoni*
(misspelling) Reuter *in* Halbert (1935).

TAPHROPELTUS STÅL, 1872

contractus (Herrich-Schaeffer,
1835)

Synonymy: *in Notochilus in* Halbert
(1935).

GONIANOTINI

MACRODEMA FIEBER, 1860

microptera (Curtis, 1836)

TRAPEZONOTUS FIEBER, 1860

SUBGENUS TRAPEZONOTUS

FIEBER, 1860

arenarius (Linnaeus, 1758)

subspecies *arenarius* (Linnaeus,
1758)

MEGALONOTINI

MEGALONOTUS FIEBER, 1860

chiragra (Fabricius, 1794)

Synonymy: *in Rhyparochromus* in Halbert (1935).

dilatatus (Herrich-Schaeffer, 1840)

Synonymy: *in Rhyparochromus* in Halbert (1935).

MYODOCHINI

PACHYBRACHIUS HAHN, 1826

fracticollis (Schilling, 1829)

Synonymy: *in Pamera* in Halbert (1935).

PLINTHISINI

PLINTHISUS STEPHENS, 1829

SUBGENUS *PLINTHISUS* STEPHENS, 1829

brevipennis (Latreille, 1807)

RHYPAROCHROMINI

PERITRECHUS FIEBER, 1860

[*geniculatus* Hahn, 1832]

Footnote: requires confirmation. This species has not been recorded since Haliday and may be extinct.

lundii (Gmelin, 1790)

Synonymy: *Peritrechus sylvestris* (Fabricius, 1781) *in* Halbert (1935).

STYGNOCORINI

ACOMPUS FIEBER, 1860

rufipes (Wolff, 1804)

LASIOSOMUS FIEBER, 1860

enervis Herrich-Schaeffer, 1835

STYGNOCORIS DOUGLAS AND SCOTT, 1865

fuliginus (Geoffroy, 1785)

rusticus (Fallén, 1807)

sabulosus (Schilling, 1829)

Synonymy: *Stygnocoris pedestris* (Fallén, 1807) *in* Halbert (1935).

29. {PYRRHOCORIDAE}

{*PYRRHOCORIS* FALLÉN, 1814}

{*apterus* Linnaeus, 1758}

Footnote: recorded once as an accidental import amongst bananas in a Dublin fruit market by O'Connor and Nash (1983). A southern European species with one permanent population in Britain.

PENTATOMOIDEA

30. ACANTHOSOMATIDAE

ACANTHOSOMATINAE

ACANTHOSOMA CURTIS, 1824

haemorrhoidale (Linnaeus, 1758)

CYPHOSTETHUS FIEBER, 1860

+*tristriatus* (Fabricius, 1787)

Footnote: recorded from Co. Dublin by O'Connor and Ashe (1996).

ELASMOSTETHUS FIEBER, 1860

interstinctus (Linnaeus, 1758)

Synonymy: *in Acanthosoma* in Halbert (1935).

ELASMUCHA STÅL, 1864

grisea (Linnaeus, 1758)

Synonymy: *in Elasmostethus* in Halbert (1935).

31. CYDNIDAE

SEHIRINAE

SEHIRINI

SEHIRUS AMYOT AND SERVILLE,
1843

luctuosus Mulsant and Rey, 1866

32. PENTATOMIDAE

SUBFAMILY ASOPINAE

PICROMERUS AMYOT AND
SERVILLE, 1843

bidens (Linnaeus, 1758)

RHACOGNATHUS FIEBER, 1860

punctatus (Linnaeus, 1758)

Footnote: confirmed as Irish by Anderson
(2006).

TROILUS STÅL, 1867

luridus (Fabricius, 1775)

ZICRONA AMYOT AND SERVILLE,
1843

caerulea (Linnaeus, 1758)

SUBFAMILY PENTATOMINAE

CARPOCORINI

DOLYCORIS MULSANT AND REY,
1866

baccarum (Linnaeus, 1758)

Synonymy: *in Dorycoris* in Halbert (1935).

PALOMENA MULSANT AND REY,
1866

prasina Linnaeus, 1761

PENTATOMINI

{**NEZARA** AMYOT AND SERVILLE,
1843}

{*viridula* Linnaeus, 1758}

Footnote: this cosmopolitan species was
recorded as an accidental import from Co.
Dublin by O'Connor and Nash (1986).

PENTATOMA OLIVIER, 1789

SUBGENUS PENTATOMA OLIVIER,
1789

rufipes (Linnaeus, 1758)

PIEZODORINI

PIEZODORUS FIEBER, 1861

lituratus (Fabricius, 1794)

{**STRACHIINI**}

{**EURYDEMA** LAPORTE, 1833}

{**SUBGENUS EURYDEMA** LAPORTE,
1833}

{*ornata* (Linnaeus, 1758)}

Footnote: recorded as an accidental import
from grapes in Co. Dublin by O'Connor
and Nash (1986). The species is found
throughout southern and central Europe.

33. SCUTELLERIDAE

EURYGASTRINAE

EURYGASTER LAPORTE, 1833

testudinaria (Geoffroy, 1785)

34. THYREOCORIDAE

THYREOCORINAE

THYREOCORIS SCHRANK, 1801

scarabaeoides (Linnaeus, 1758)

PIESMATOIDEA

35. PIESMATIDAE

PARAPIESMA PERICART, 1974

quadratum (Fieber, 1844)

Synonymy: *in Piesma* in Halbert (1935).

PIESMA LEPELETIER AND

SERVILLE, 1828

maculatum Laporte, 1833

HEMIPTERA

AUCHENORRHYNCHA

The Irish Auchenorrhyncha were listed by de Courcy Williams (1989). For completeness, names used by Halbert (1935) are included. The group includes the leafhoppers, treehoppers, planthoppers, and spittlebugs. All the species are plant-feeders, and many are vectors of viral and fungal diseases of plants.

FULGOROMORPHA

1. CIXIIDAE

CIXIINAE

CIXIINI

CIXIUS LATREILLE, 1804

SUBGENUS ACANTHOCIXIUS,

WAGNER 1939

similis Kirschbaum, 1868

Synonymy: *Cixius stigmaticus* (Germar, 1818) misidentification in Halbert (1935).

SUBGENUS CERATOCIXIUS

WAGNER, 1939

cunicularius (Linnaeus, 1767)

SUBGENUS CIXIUS LATREILLE,
1804

nervosus (Linnaeus, 1758)

SUBGENUS PARACIXIUS WAGNER,
1939

distinguendus Kirschbaum, 1868

Synonymy: *Cixius bracycranus* Scott,

1870 in Halbert (1935).

TACHYCIXIUS WAGNER, 1939

pilosus (Olivier, 1791)

Synonymy: *in Cixius* in Halbert (1935).

PENTASTIRINI

PENTASTIRINA

PENTASTIRIDIUS KIRSCHBAUM,
1868

SUBGENUS PENTASTIRIDIUS

KIRSCHBAUM, 1868

leporinus (Linnaeus, 1761)

Synonymy: *in Oliaris* in Halbert (1935).

2. DELPHACIDAE

DELPHACINAE

DELPHACINI

CALLIGYONA SAHLBERG, 1871

reyi (Fieber, 1866)

CHLORIONA FIEBER, 1866

smaragdula (Stål, 1853)
 Synonymy: *Chloriona prasinula* Fieber, 1872 in Halbert (1935).
CONOMELUS FIEBER, 1866
anceps (Germar, 1821)
 Synonymy: *Conomelus limbatus*: (Boheman, 1845) misidentification in Halbert (1935).
CRIMORPHUS CURTIS, 1833
albomarginatus Curtis, 1833
 Synonymy: in *Stiroma* in Halbert (1935).
DELPHACINUS FIEBER, 1866
mesomelas (Boheman, 1850)
DELPHAX FABRICIUS, 1798
pulchellus (Curtis, 1833)
 Synonymy: in *Araeopus* in Halbert (1935).
DICRANOTROPIS FIEBER, 1866
 SUBGENUS **DICRANOTROPIS FIEBER, 1866**
hamata (Boheman, 1847)
DITROPIS KIRSHBAUM, 1868
pteridis (Spinola, 1839)
 Synonymy: in *Stiroma* in Halbert (1935).
EUCONOMELUS HAUPT, 1929
lepidus (Boheman, 1847)
 Synonymy: in *Conomelus* in Halbert (1935).
EURYSA FIEBER, 1866
lineata (Perris, 1857)
FLORODELPHAX VILBASTE, 1968
leptosoma (Flor, 1861)
 Synonymy: in *Delphax* in Halbert (1935).

HYLEDELPHAX VILBASTE, 1968
elegantulus (Boheman, 1847)
JAVESELLA FENNAH, 1963
 SUBGENUS **JAVESELLA FENNAH, 1963**
discolor (Boheman, 1847)
 Synonymy: in *Delphax* in Halbert (1935).
dubia (Kirschbaum, 1868)
 Synonymy: *Delphax difficilis* (Edwards, 1888) in Halbert (1935).
forcipata (Boheman, 1847)
 Synonymy: in *Delphax* in Halbert (1935).
obscurella (Boheman, 1847)
 Synonymy: *Delphax discreta* (Edwards, 1888) in Halbert (1935).
pellucida (Fabricius, 1794)
 Synonymy: in *Delphax* in Halbert (1935).
LAODELPHAX FENNAH, 1963
striatellus (Fallén, 1826)
MEGAMELODES LE QUESNE, 1960
quadrifasciatus (Signoret, 1865)
 Synonymy: *Megamelus iv-maculatus* in Halbert (1935); also *Megamelus fieberi* (Scott, 1870) in Halbert (1935).
MEGAMELUS FIEBER, 1866
notulus (Germar, 1830)
MUELLERIANELLA WAGNER, 1963
+extrusa (Scott, 1871)
 Footnote: recorded from Cos Cork and Kerry by Kirby (1991).
fairmairei (Perris, 1857)
 Synonymy: in *Delphax* in Halbert (1935).

MUIRODELPHAX WAGNER, 1963

aubei (Perris, 1857)

Synonymy: *in Delphax in* Halbert (1935).

NOTHODELPHAX FENNAH, 1963

Synonymy: *Tyrphodelphax* Vilbaste, 1968
in de Courcy Williams (1989).

distinctus (Flor, 1861)

Synonymy: *in Delphax in* Halbert (1935).

ONCODELPHAX WAGNER, 1963

pullulus (Boheman, 1852)

PARADELPHACODES WAGNER, 1963

paludosus (Flor, 1861)

**PARALIBURNIA JENSEN-HAARUP,
1917**

adela (Flor, 1861)

Synonymy: *Delphax signoreti* (Scott,
1870) *in* Halbert (1935).

clypealis (Sahlberg, 1871)

STIROMA FIEBER, 1866

affinis Fieber, 1866

bicarinata (Herrich-Schäffer,
1835)

**STRUEBINGIANELLA WAGNER,
1963**

lugubrina (Boheman, 1847)

Synonymy: *in Delphax in* Halbert (1935).

XANTHODELPHAX WAGNER, 1963

+*stramineus* (Stål, 1858)

Footnote: recorded from Co. Wexford by
Helden (2007c).

KELISIINAE

ANAKELISIA WAGNER, 1963

perspicillata (Boheman, 1845)

KELISIA FIEBER, 1866

guttula (Germar, 1818)

guttulifera (Kirschbaum, 1868)

pallidula (Boheman, 1847)

punctulum (Kirschbaum, 1868)

sabulicola Wagner, 1952

vittipennis (Sahlberg, 1868)

STENOCRANINAE

STENOCRANUS FIEBER, 1866

fuscovittatus (Stål, 1858)

longipennis (Curtis, 1837)

minutus (Fabricius, 1818)

Synonymy: Halbert (1935) gives
Stenocranus lineola (Germar, 1818) as a
synonym.

3. ISSIDAE

ISSINAE

ISSINI

ISSINA

ISSUS FABRICIUS, 1803

coleopratus (Fabricius, 1781)

CICADOMORPHA

CERCOPOIDEA

4. APHROPHORIDAE

APHROPHORA GERMAR, 1821

alni (Fallén, 1805)

major Uhler, 1896

Synonymy: *Aphrophora myricae* Edwards, 1926 *in* Halbert (1935); *Aphrophora alpina* Melichar, 1900 *in* de Courcy Williams (1989).

***salicina* (Goeze, 1778)**

Synonymy: *Aphrophora salicis* (Degeer, 1773) *in* Halbert (1935).

NEOPHILAENUS HAUPT, 1935

***campestris* (Fallén, 1805)**

***lineatus* (Linnaeus, 1758)**

PHILAENUS STÅL, 1864

***spumarius* (Linnaeus, 1758)**

Footnote: Halbert (1935) gives ten forms of the species.

MEMBRACOIDEA

5. CICADELLIDAE

AGALLIINAE

AGALLIINI

AGALLIA CURTIS, 1833

***brachyptera* (Boheman, 1847)**

Footnote: *in* Halbert (1935) but not *in* de Courcy Williams (1989).

ANACERATAGALLIA ZACHVATKIN, 1946

Synonymy: *Agallia* Curtis, 1833.

+*ribauti* (Ossiannilsson, 1938)

Synonymy: *in Anaceratagallia* (*Agallia*) *in* Helden (2005d).

Footnote: recorded from Co. Dublin by Helden (2005d).

***venosa* (Fourcroy, 1785)**

Synonymy: *Agallia venosa* (Fallén, 1806) *in* Halbert (1935) and *in* de Courcy Williams (1989).

APHRODINAE

ANOSCOPIUS KIRSHBAUM, 1868

***albifrons* (Linnaeus, 1758)**

Synonymy: *in Acrocephalus* *in* Halbert (1935); *Acrocephalus limicola* (Edwards, 1908) *in* Halbert (1935).

***flavostriatus* (Donovan, 1799)**

Synonymy: *Acrocephalus flavostrigatus* Donovan *in* Halbert (1935).

***histrionicus* (Fabricius, 1794)**

Synonymy: *in Acrocephalus* *in* Halbert (1935).

APHRODES CURTIS, 1833

+*aestuarinus* (Edwards, 1908)

Footnote: recorded from Co. Dublin by Helden (2005a).

***bicinctus* (Schrank, 1776)**

Synonymy: *Acrocephalus nervosus* (Schrank, 1781) *in* Halbert (1935).

+*makarovi* Zachvatkin, 1948

Footnote: recorded from Cos Clare, Cork and Kerry by Kirby (1991).

PLANAPHRODES HAMILTON, 1975

***bifasciatus* (Linnaeus, 1758)**

Synonymy: *Acrocephalus tricinctus* (Curtis, 1836) *in* Halbert (1935).

STROGGYLOCEPHALUS FLOR, 1861

***agrestis* (Fallén, 1806)**

CICADELLINAE

CICADELLINI

CICADELLA LATREILLE, 1817

lasiocarpae Ossiannilsson, 1981

viridis (Linnaeus, 1758)

Synonymy: *in Tettigonia* Linnaeus, 1758
in Halbert (1935).

**GRAPHOCEPHALA VAN DUZEE,
1916**

fennahi Young, 1977

Synonymy: *Graphocephala coccinea* auctt.
nec Forster, 1771 misidentification.

EVACANTHINI

**EVACANTHUS LE PELETIER AND
SERVILLE, 1825**

acuminatus (Fabricius, 1794)

Synonymy: *in Euacanthus* Burmeister,
1835 *in* Halbert (1935).

interruptus (Linnaeus, 1758)

Synonymy: *in Euacanthus* Burmeister,
1835 *in* Halbert (1935).

DELTOCEPHALINAE

ATHYSANINI

ALLYGUS FIEBER, 1875

mixtus (Fabricius, 1794)

Synonymy: *in Jassus* *in* Halbert (1935).

CICADULA ZETTERSTEDT, 1840

SUBGENUS CICADULA

ZETTERSTEDT, 1840

aurantipes (Edwards, 1894)

persimilis (Edwards, 1920)

quadrinotata (Fabricius, 1794)

Synonymy: *Limotettix iv-notata* *in* Halbert
(1935).

**SUBGENUS CYPERANA DELONG,
1936**

intermedia (Boheman, 1845)

Synonymy: *in Limotettix* *in* Halbert
(1935); also *Limotettix lunulifrons* (J.
Sahlberg, 1871) *in* Halbert (1935).

SUBGENUS HENRIANA

EMELJANOV, 1964

frontalis (Herrich-Schäffer, 1835)

Synonymy: *Limotettix antennata*
(Boheman, 1845) *in* Halbert (1935).

**CONOSANUS OSBORN AND BALL,
1902**

obsoletus (Kirschbaum, 1858)

Synonymy: *in Athysanus* *in* Halbert (1935)
who gives the variety *piceus* Scott, 1875.

ELYMANA DELONG, 1936

sulphurella (Zetterstedt, 1828)

Synonymy: *in Limotettix* *in* Halbert (1935).

EUSCELIS BRULLÉ, 1832

incisus (Kirschbaum, 1858)

Synonymy: *Athysanus plebejus* (Fallén,
1806) *in* Halbert (1935).

lineolatus Brullé, 1832

Synonymy: *in Athysanus* *in* Halbert
(1935).

IDIODONUS BALL, 1936

cruentatus (Panzer, 1799)

Synonymy: *in Thamnotettix* in Halbert (1935).

LAMPROTETTIX RIBAUT, 1942

nitidulus (Fabricius, 1787)

Synonymy: *Thamnotettix splendidula* Fabricius, 1803 *in* Halbert (1935).

LIMOTETTIX J. SAHLBERG, 1871

striola (Fallén, 1806)

MACUSTUS RIBAUT, 1942

grisescens (Zetterstedt, 1828)

Synonymy: *in Athysanus* in Halbert (1935).

MOCYDIA EDWARDS, 1922

crocea (Herrich-Schäffer, 1837)

Synonymy: *in Thamnotettix* in Halbert (1935).

RHOPALOPYX RIBAUT, 1939

vitripennis (Flor, 1861)

Synonymy: *in Paluda* in de Courcy Williams (1989).

subspecies *hibernica* (Le Quesne, 1964)

SPEUDOTETTIX RIBAUT, 1942

subfuscus (Fallén, 1806)

Synonymy: *in Thamnotettix* in Halbert (1935).

STREPTANUS RIBAUT, 1942

aemulans (Kirschbaum, 1868)

Synonymy: *Athysanus sahlbergi* Reuter, 1880 *in* Halbert (1935).

marginatus (Kirschbaum, 1858)

sordidus (Zetterstedt, 1828)

Synonymy: *in Athysanus* in Halbert (1935).

THAMNOTETTIX ZETTERSTEDT, 1840

SUBGENUS LOEPOTETTIX RIBAUT, 1942

dilutior (Kirschbaum, 1868)

SUBGENUS THAMNOTETTIX

ZETTERSTEDT, 1840

confinis (Zetterstedt, 1828)

Synonymy: *Thamnotettix prasinus* Fallén, 1806 *in* Halbert (1935).

DELTOCEPHALINI

DELTOCEPHALUS BURMEISTER, 1838

maculiceps Boheman, 1847

pulicaris (Fallén, 1806)

MACROSTELLINI

BALCLUTHA KIRKALDY, 1900

punctata (Fabricius, 1775)

MACROSTELES FIEBER, 1866

fieberi (Edwards, 1889)

Synonymy: *in Cicadula* in Halbert (1935).

frontalis (Scott, 1875)

horvathi (Wagner, 1935)

Synonymy: *Cicadula warioni*: (Edwards, 1908) misidentification *in* Halbert (1935) who also gives *C. fasciifrons* Edwards as a synonym.

laevis (Ribaut, 1927)

ossiannilssoni Lindberg, 1954

septemnotatus (Fallén, 1806)

Synonymy: *Cicadula vii-notata* in Halbert (1935).

sexnotatus (Fallén, 1806)

Synonymy: *Cicadula vi-notata* in Halbert (1935).

viridigriseus (Edwards, 1924)

SONRONIUS DORST, 1937

dahlbomi (Zetterstedt, 1840)

Synonymy: in *Cicadula* in Halbert (1935).

PARALIMNINI

AROCEPHALUS RIBAUT, 1946

SUBGENUS ARIELLUS RIBAUT, 1952

punctum (Flor, 1861)

ARTHALDEUS RIBAUT, 1946

pascuellus (Fallén, 1826)

Synonymy: in *Deltocephalus* in Halbert (1935).

COSMOTETTIX RIBAUT, 1942

SUBGENUS COSMOTETTIX RIBAUT, 1942

panzeri (Flor, 1861)

ERRASTUNUS RIBAUT, 1946

ocellaris (Fallén, 1806)

Synonymy: in *Deltocephalus* in Halbert (1935); in *Adarrus* in de Courcy Williams (1989).

JASSARGUS ZAKHVATKIN, 1934

SUBGENUS JASSARGUS

ZAKHVATKIN, 1934

pseudocellaris (Flor, 1861)

Synonymy: *Deltocephalus distinguendus* (Flor, 1861) in Halbert (1935) and de

Courcy Williams (1989); also *Deltocephalus repletus* Fieber, 1869 in Halbert (1935).

MOCUELLUS RIBAUT, 1946

SUBGENUS ERZALEUS RIBAUT, 1952

metrius (Flor, 1861)

Synonymy: in *Cicadula* in Halbert (1935).

PSAMMOTETTIX HAUPT, 1929

albomarginatus Wagner, 1941

cephalotes (Herrich-Schäffer, 1834)

Synonymy: *Deltocephalus normani* (Scott, 1881) in Halbert (1935).

confinis (Dahlbom, 1850)

Synonymy: *Deltocephalus thenii* (Edwards, 1915) in Halbert (1935).

nodosus (Ribaut, 1925)

putoni (Then, 1898)

sabulicola (Curtis, 1837)

Synonymy: in *Deltocephalus* in Halbert (1935).

striatus (Linnaeus, 1758)

Synonymy: in *Deltocephalus* in Halbert (1935).

SORHOANUS RIBAUT, 1946

+*xanthoneurus* (Fieber, 1869)

Footnote: recorded from Co. Kerry by Kirby (1991).

TURRUTUS RIBAUT, 1946

socialis (Flor, 1861)

Synonymy: in *Deltocephalus* in Halbert

(1935).

DORYCEPHALINAE

***EUPELIX* GERMAR, 1821**

cuspidata (Fabricius, 1775)

Synonymy: also *Eupelix producta* Germar, 1838 in Halbert (1935).

IASSINAE

***IASSUS* FABRICIUS, 1803**

Synonymy: *Iasus in de Courcy* Williams (1989).

lanio (Linnaeus, 1761)

Synonymy: in *Batracomorpha* Lewis, 1834 in Halbert (1935).

IDIOCERINAE

***IDIOCERUS* LEWIS, 1834**

lituratus (Fallén, 1806)

stigmatalis Lewis, 1834

***METIDIOCERUS* OSSIANNILSSON, 1981**

elegans (Flor, 1861)

+*rutilans* (Kirschbaum, 1868)

Footnote: recorded from Co. Galway by Helden and Stewart (2008).

***POPULICERUS* DLABOLA, 1974**

albicans (Kirschbaum, 1868)

Synonymy: in *Idiocerus* in Halbert (1935).

confusus (Flor, 1861)

Synonymy: in *Idiocerus* in Halbert (1935).

laminatus (Flor, 1861)

+*nitidissimus* (Herrich-Schäffer, 1835)

Footnote: recorded from Co. Dublin by Helden and Stewart (2008).

+*populi* (Linnaeus, 1761)

Footnote: recorded from Co. Dublin by Helden and Stewart (2008).

***RHYTIDODUS* FIEBER, 1872**

+*decimusquartus* (Schrank, 1776)

Footnote: recorded from Co. Dublin by Helden and Stewart (2008).

***STENIDIOCERUS* OSSIANNILSSON, 1981**

+*poecilus* (Herrich-Schäffer, 1835)

Footnote: recorded from Co. Dublin by Helden and Stewart (2008).

***TREMULICERUS* DLABOLA, 1974**

+*distinguendus* (Kirschbaum, 1868)

Footnote: recorded from Co. Dublin by Helden and Stewart (2008).

tremulae (Estlund, 1796)

+*vitreus* (Fabricius, 1803)

Footnote: recorded from Co. Clare by Kirby (1991).

MACROPSINAE

***MACROPSIS* LEWIS, 1834**

cerea (Germar, 1837)

fuscata (Zetterstedt, 1828)

O'CONNOR AND NELSON

Synonymy: *Macropsis rubi* (Boheman, 1845) *in* Halbert (1935).

impura (Boheman, 1847)

prasina (Boheman, 1852)

Synonymy: *Macropsis virescens* J.

Sahlberg, 1871 *nec* Fabricius, 1794 *in* Halbert (1935).

scotti Edwards, 1920

scutellata (Boheman, 1845)

Synonymy: *Macropsis tibialis* (Scott, 1874) *in* Halbert (1935).

ONCOPSIS BURMEISTER, 1838

alni (Shrank, 1801)

avellanae Edwards, 1920

flavicollis (Linnaeus, 1761)

subangulata (J. Sahlberg, 1871)

tristis (Zetterstedt, 1840)

Synonymy: *Oncopsis rufusculus* (Fieber, 1868) *in* Halbert (1935).

MEGOPHTHALMINAE

MEGOPHTHALMUS CURTIS, 1833

+*scabripennis* Edwards, 1915

Footnote: recorded from Co. Meath by Helden (2007d).

scanicus (Fallén, 1806)

TYPHLOCYBINAE

ALEBRINI

ALEBRA FIEBER, 1872

albostriella (Fallén, 1826)

Synonymy: *Alebra albostriella* *in de*

Courcy Williams (1989).

+*wahlbergi* (Boheman, 1845)

Footnote: recorded from Co. Dublin by Helden (2005c).

DIKRANEURINI

EMELYANOVIANA ANUFRIEV, 1970

mollicula (Boheman, 1845)

FORCIPATA DELONG AND

CALDWELL, 1936

citrinella (Zetterstedt, 1828)

Synonymy: *in Dikraneura* *in* Halbert (1935).

NOTUS FIEBER, 1866

flavipennis (Zetterstedt, 1828)

Synonymy: *in Dikraneura* *in* Halbert (1935).

EMPOASCINI

CHLORITA FIEBER, 1872

viridula (Fallén, 1806)

EMPOASCA WALSH, 1862

decipiens Paoli, 1930

vitis (Goethe, 1875)

Synonymy: *Chlorita flavescens* (Flor, 1861) *nec*. Fabricius, 1794 *in* Halbert (1935).

KYBOS FIEBER, 1866

betulicola (Wagner, 1955)

+*populi* (Edwards, 1908)

Footnote: recorded from Cos Dublin and Meath by Helden (2007a).

+*rufescens* Melichar, 1896

Footnote: recorded from Cos Dublin and

Roscommon by Helden (2008).

smaragdulus (Fallén, 1806)

Synonymy: *in Empoasca* in Halbert (1935).

strigilifer (Ossiannilsson, 1941)

+*virgator* (Ribaut, 1933)

Footnote: recorded from Co. Dublin by Helden (2005e).

ERYTHRONEURINI

ALNETOIDEA DIABOLA, 1958

alneti (Dahlbom, 1850)

Synonymy: *in Zygina* in Halbert (1935).

ARBORIDIA ZAKHVATKIN, 1946

parvula (Boheman, 1845)

Synonymy: *in Zygina* in Halbert (1935).

HAUPTIDIA DWORAKOWSKA, 1970

+*maroccana* (Melichar, 1907)

Footnote: recorded from Co. Cork by Kirby (1991).

ZYGINA FIEBER, 1866

angusta Lethierry, 1874

flammigera (Geoffroy in Fourcroy, 1785)

tiliae (Fallén, 1806)

TYPHLOCYBINI

EDWARDSIANA ZAKHATKIN, 1929

avellanae (Edwards, 1888)

bergmanni (Tullgren, 1916)

+*candidula* (Kirschbaum, 1868)

Footnote: recorded from Co. Dublin by Helden (2007b).

crataegi (Douglas, 1876)

frustrator (Edwards, 1908)

geometrica (Schrank, 1801)

Synonymy: *in Typhlocyba* in Halbert (1935).

lethierryi (Edwards, 1881)

Synonymy: *in Typhlocyba* in Halbert (1935).

+*nigriloba* (Edwards, 1924)

Footnote: recorded from Co. Dublin by Helden (2007b).

+*prunicola* (Edwards, 1914)

Footnote: recorded from Co. Dublin by Helden (2005b).

rosae (Linnaeus, 1758)

Synonymy: *in Typhlocyba* in Halbert (1935).

+*ulmiphagus* Wilson and Claridge, 1999

Footnote: recorded from Co. Dublin by Helden (2007b).

EUPTERYCYBA DLABOLA, 1958

+*jucunda* (Herrich-Schäffer, 1837)

Footnote: recorded from Co. Dublin by Helden (2009).

EUPTERYX CURTIS, 1833

atropunctata (Goeze, 1778)

aurata (Linnaeus, 1758)

cyclops Matsumura, 1906

filicum (Newman, 1853)

melissae Curtis, 1837

notata Curtis, 1837

signatipennis (Boheman, 1847)

stachydearum (Hardy, 1850)

urticae (Fabricius, 1803)

vittata (Linnaeus, 1758)

EURHADINA HAUPT, 1929

+*concinna* (Germar, 1831)

Footnote: recorded from Co. Kerry by Kirby (1991).

+*loewii* (Then, 1886)

Footnote: recorded from Co. Cork by Helden (2009).

pulchella (Fallén, 1806)

Synonymy: *in Eupteryx* in Halbert (1935).

FAGOCYBA DLABOLA, 1958

carri (Edwards, 1914)

cruenta (Herrich-Schäffer, 1838)

LINDBERGINA DLABOLA, 1958

aurovittata (Douglas, 1875)

Synonymy: *pandellei* (Lethierry, 1914).

LINNAVUORIANA DLABOLA, 1958

sexmaculata (Fallén, 1806)

Synonymy: *Linnavuoriana sexpunctata* (Fallén, 1826) preoccupied. *Typhlocyba vipunctata* in Halbert (1935).

OSSIANNILSSONOLA CHRISTIAN, 1953

+*callosa* (Then, 1886)

Footnote: recorded from Co. Dublin by Helden (2004).

RIBAUTIANA ZAKHATKIN, 1947

debilis (Douglas, 1876)

+*scalaris* (Ribaut, 1931)

Footnote: recorded from Co. Kerry by Kirby (1991).

tenerrima (Herrich-Schäffer, 1834)

Synonymy: *in Typhlocyba* in Halbert (1935).

ulmi (Linnaeus, 1758)

Synonymy: *in Typhlocyba* in Halbert (1935).

TYPHLOCYBA GERMAR, 1833

quercus (Fabricius, 1777)

WAGNERIPTERYX DLABOLA, 1958

+*germari* (Zetterstedt, 1840)

Footnote: recorded from Co. Dublin by Helden (2006).

ZONOCYBA VILBASTE, 1982

bifasciata (Boheman, 1851)

Synonymy: *in Typhlocyba* in de Courcy Williams (1989); *Typhlocyba nitidula* (Fabricius, 1794) preoccupied in Halbert (1935).

6. ULOPIDAE

ULOPA FALLÉN, 1814

reticulata (Fabricius, 1794)

HEMIPTERA
STERNORRHYNCHA
ALEYRODOIDEA

Altogether five species of whitefly are presently recorded from Ireland (Malumphy and O'Connor, in prep.). Their popular name arises from a cover of fine white waxy powder. They are plant-feeders and can be serious economic pests.

1. ALEYRODIDAE

ALEYRODES LATREILLE, 1796

proletella (Linnaeus, 1758)

PEALIUS QUAINANCE AND

BAKER, 1914

quercus (Signoret, 1868)

SIPHONINUS SILVESTRI, 1915

immaculatus (Heeger, 1856)

phillyreae (Haliday, 1835)

TRIALEURODES COCKERELL, 1902

vaporariorum (Westwood, 1856)

APHIDOIDEA

The Irish aphids were listed by Carter, Wood-Baker and Polaszek (1987). The nomenclature mainly follows Favret (2011). Also known as plant lice, greenfly and blackfly, they feed mainly on the leaves and tender young shoots of plants. Passing through several generations in a year and because of their great reproductive capabilities, they can be serious pests.

2. APHIDIDAE

ANOECIINAE

ANOECIA KOCH, 1857

SUBGENUS ANOECIA KOCH, 1857

corni (Fabricius, 1775)

Synonymy: *in* Thelaxidae *in* Carter, Wood-Baker and Polaszek (1987).

furcata (Theobald, 1915)

Synonymy: *nemoralis* Börner, 1950 *in* Carter, Wood-Baker and Polaszek (1987); *in* Thelaxidae *in* Carter, Wood-Baker and Polaszek (1987).

APHIDINAE

APHIDINI

APHIDINA

APHIS LINNAEUS, 1758

SUBGENUS APHIS LINNAEUS, 1758

aliena Theobald, 1915

confusa Walker, 1849

Synonymy: *Aphis scabiosae* Schrank, 1801.

craccivora Koch, 1854

fabae Scopoli, 1763

Synonymy: *Aphis rumicis* auctt. nec. Linnaeus.

farinosa J. F. Gmelin, 1790

Synonymy: *Aphis saliceti* Kaltenbach, 1843.

frangulae Kaltenbach, 1845

Synonymy: *Aphis rhamni* Kaltenbach, 1843 *nec* Fonscolombe, 1841.

hederae Kaltenbach, 1843

hypochoeridis (Börner, 1940)

idaei van der Goot, 1912

ilicis Kaltenbach, 1843

jacobaeae Schrank, 1801

loti Kaltenbach, 1862

plantaginis Goeze, 1778

pomi De Geer, 1773

ruborum (Börner, 1932)

rumicis Linnaeus, 1758

sambuci Linnaeus, 1758

+*sedii* Kaltenbach, 1843

Footnote: recorded from Co. Donegal by Stroyan (1984), see also Hopkins (2000).

tormentillae Passerini, 1879

triglochinis Theobald, 1926

tripolii Laing, 1920

ulicis Walker, 1870

viburni Scopoli, 1763

SUBGENUS BURSAPHIS BAKER, 1934

epilobii Kaltenbach, 1843

Synonymy: *Aphis triphaga* Walker, 1852.

grossulariae Kaltenbach, 1843

RHOPALOSIPHINA

HYALOPTERUS KOCH, 1854

pruni (Geoffroy, 1762)

RHOPALOSIPHUM KOCH, 1854

oxyacanthae (Schrank, 1801)

Synonymy: *Rhopalosiphum insertum* (Walker, 1849) *in* Carter, Wood-Baker and Polaszek (1987).

padi (Linnaeus, 1758)

SCHIZAPHIS BÖRNER, 1931

SUBGENUS SCHIZAPHIS BÖRNER, 1931

+*rufula* Walker, 1849

Footnote: recorded from Co. Donegal by Stroyan (1984) and Co. Kerry by Hopkins (2000).

MACROSIPHINI

ACYRTHOSIPHON MORDVILKO, 1914

SUBGENUS ACYRTHOSIPHON MORDVILKO, 1914

loti (Theobald, 1913)

malvae (Mosley, 1841)

Synonymy: *Acyrthosiphon pelargonii* (Kaltenbach, 1843).

pisum (Harris, 1776)

primulae (Theobald, 1913)

Synonymy: *in Aulacorthum* *in* Carter, Wood-Baker and Polaszek (1987).

AMPHOROPHORA BUCKTON, 1876

SUBGENUS AMPHOROPHORA BUCKTON, 1876

ampullata Buckton, 1876

+*idaei* (Börner, 1930)

Footnote: recorded from Ireland by Blackman (2010).

rubi (Kaltenbach, 1843)

ANURAPHIS DEL GUERCIO, 1907

farfae (Koch, 1854)

subterranea (Walker, 1852)

Synonymy: *Anuraphis heraclei* (Koch, 1854).

AULACORTHUM MORDVILKO, 1914

SUBGENUS AULACORTHUM

MORDVILKO 1914

palustre Hille Ris Lambers, 1947

solani (Kaltenbach, 1843)

BRACHYCAUDUS VAN DER GOOT, 1913

SUBGENUS ACAUDUS VAN DER GOOT, 1913

cardui Linnaeus, 1758

Footnote: this species is include in the subgenus *Acaudus* in the checklist in Blackman (2010) but in the subgenus *Nevskyaphis* Shaposhnikov, 1950 in the text (page 142).

lychnidis (Linnaeus, 1758)

+*populi* (del Guercio, 1911)

Footnote: recorded from Ireland by Blackman (2010).

SUBGENUS APPELIA BÖRNER, 1930

+*prunifex* (Theobald, 1927)

Footnote: *Brachycaudus prunicola* (Kaltenbach, 1843) in Carter, Wood-Baker and Polaszek (1987). *B. prunifex* had been

synonymised previously with *B. prunicola* which occurs on the same host but can now be distinguished from that species (Blackman, 2010).

SUBGENUS BRACHYCAUDUS VAN DER GOOT, 1913

helichrysi (Kaltenbach, 1843)

BREVICORYNE VAN DER GOOT, 1915

brassicae (Linnaeus, 1758)

CAPITOPHORUS VAN DER GOOT, 1913

carduinus (Walker, 1850)

similis van der Goot, 1915

CAVARIELLA DEL GUERCIO, 1911

SUBGENUS CAVARIELLA DEL GUERCIO, 1911

aegopodii (Scopoli, 1763)

Synonymy: *Cavariella umbellatarum* (Koch, 1854).

archangelicae (Scopoli, 1763)

pastinacae (Linnaeus, 1758)

CERURAPHIS BÖRNER, 1926

eriophori (Walker, 1848)

CHAETOSIPHON MORDVILKO, 1914

SUBGENUS PENTATRICHOPUS BÖRNER, 1930

fragaefolii (T. D. A. Cockerell, 1901)

potentillae (Walker, 1850)

tetrarhodum (Walker, 1849)

CORYLOBIUM MORDVILKO, 1914

avellanae (Schrank, 1801)

**CRYPTAPHIS HILLE RIS LAMBERS,
1947**

poae (Hardy, 1850)

Synonymy: *Cryptaphis setiger* Hille Ris
Lambers, 1947.

CRYPTOMYZUS OESTLUND, 1922
SUBGENUS CRYPTOMYZUS
OESTLUND, 1922

galeopsidis (Kaltenbach, 1843)

ribis (Linnaeus, 1758)

DIURAPHIS AIZENBERG, 1935
SUBGENUS HOLCAPHIS HILLE RIS
LAMBERS, 1939

frequens (Walker, 1848)

holci (Hille Ris Lambers, 1956)

DYSAPHIS BÖRNER, 1931
SUBGENUS DYSAPHIS BÖRNER,
1931

crataegi (Kaltenbach, 1843)

+*crithmi* (Buckton, 1886)

Footnote: recorded from Ireland by
Blackman (2010).

lappae (Koch, 1854)

ranunculi (Kaltenbach, 1843)

SUBGENUS POMAPHIS BÖRNER,
1939

+*maritima* (Hille Ris Lambers,
1955)

Footnote: recorded from Ireland by
Blackman (2010).

plantaginea (Passerini, 1860)

sorbi (Kaltenbach, 1843)

ELATOBIMUM MORDVILKO, 1914

abietinum (Walker, 1849)

HAYHURSTIA DEL GUERCIO, 1917

atriplicis (Linnaeus, 1761)

Footnote: the authority is given as del
Guercio, 1917 in the text of Blackman
(2010).

HYADAPHIS KIRKALDY, 1904

foeniculi (Passerini, 1860)

+*passerinii* (del Guercio, 1911)

Footnote: recorded from Ireland by
Blackman (2010).

HYALOPTEROIDES THEOBALD,
1916

humilis (Walker, 1852)

HYPEROMYZUS BÖRNER, 1933
SUBGENUS HYPEROMYZELLA
HILLE RIS LAMBERS, 1949

rhinanthi (Schouteden, 1903)

SUBGENUS HYPEROMYZUS
BÖRNER, 1933

lactucae (Linnaeus, 1758)

+*lampsanae* (Börner, 1932)

Footnote: recorded from Ireland by
Blackman (2010).

+*pallidus* Hille Ris Lambers, 1935

Footnote: recorded from Ireland by
Blackman (2010).

IDIOPTERUS DAVIS, 1909

nephrelepidis Davis, 1909

ILLINOIA WILSON, 1910

SUBGENUS MASONAPHIS HILLE

RIS LAMBERS, 1939

+*lambersi* (MacGillivray, 1960)

Footnote: recorded from Ireland by Blackman (2010).

JACKSONIA THEOBALD, 1923

+*papillata* Theobald, 1923

LINOSIPHON BÖRNER, 1950

+*galiophagum* (Wimshurst, 1923)

LONGICAUDUS VAN DER GOOT, 1913

+*trirhodus* (Walker, 1849)

MACROSIPHONIELLA DEL

GUERCIO, 1911

SUBGENUS ASTEROBIUM HILLE

RIS LAMBERS, 1938

+*asteris* (Walker, 1849)

SUBGENUS MACROSIPHONIELLA

DEL GUERCIO, 1911

+*artemisiae* (Boyer de

Fonscolombe, 1841)

Footnote: recorded from Ireland by Blackman (2010).

+*pulvera* (Walker, 1848)

Footnote: recorded from Ireland by Blackman (2010).

+*sanborni* (Gillette, 1908)

+*sejuncta* (Walker, 1848)

Synonymy: *Macrosiphoniella formicarium* Theobald, 1913.

MACROSIPHUM PASSERINI, 1860

SUBGENUS MACROSIPHUM

PASSERINI, 1860

+*albifrons* Essig, 1911

+*centranthi* Theobald, 1915

+*cholodkovskyi* (Mordvilko, 1909)

+*euphorbiae* (Thomas, 1878)

Synonymy: *Siphonophora solanifolii*

Ashmead, 1882.

+*euphorbiellum* Theobald, 1917

Synonymy: *Macrosiphum amygdaloides*

Theobald, 1925.

Footnote: *Macrosiphum amygdaloides* in Carter, Wood-Baker and Polaszek (1987).

+*funestum* (Macchiati, 1885)

+*gei* (Koch, 1855)

+*rosae* (Linnaeus, 1758)

+*stellariae* Theobald, 1913

Synonymy: *Macrosiphum sileneum*

Theobald, 1913.

Footnote: both *Macrosiphum sileneum* and *M. stellariae* are given in Carter, Wood-Baker and Polaszek (1987).

MEGOURA BUCKTON, 1876

+*viciae* Buckton, 1876

METOPOLOPHIUM MORDVILKO, 1914

SUBGENUS METOPOLOPHIUM

MORDVILKO, 1914

+*dirhodum* (Walker, 1848)

+*festucae* (Theobald, 1917)

Synonymy: *Metopolophium*

myrmecophilum Theobald, 1916 in Carter, Wood-Baker and Polaszek (1987).

MICROLOPHIUM MORDVILKO, 1914

carosum (Buckton, 1876)

MYZAPHIS VAN DER GOOT, 1913

rosarum (Kaltenbach, 1843)

Synonymy: *Trilobaphis rhodolestes*

Wood-Baker, 1943.

MYZUS PASSERINI, 1860

SUBGENUS MYZUS PASSERINI 1860

cerasi (Fabricius, 1775)

Synonymy: *Myzus galiifolium* Theobald,

1919.

ornatus Laing, 1932

SUBGENUS NECTAROSIPHON

SCHOUTEDEN, 1901

+antirrhinii (Macchiati, 1883)

Footnote: recorded from Ireland by

Blackman (2010).

persicae (Sulzer, 1776)

SUBGENUS SCIAMYZUS STROYAN,

1954

ascalonicus Doncaster, 1946

NASONOVIA MORDVILKO, 1914

SUBGENUS NASONOVIA

MORDVILKO, 1914

+compositellae (Theobald, 1924)

Footnote: recorded from Ireland by

Blackman (2010).

ribisnigri (Mosley, 1841)

Synonymy: *Siphonophora ribicola*

(Kaltenbach, 1843).

NEARCTAPHIS SHAPOSHNIKOV,

1950

+bakeri (Cowen, 1895)

Footnote: recorded from Ireland by

Blackman (2010).

NEOMYZUS VAN DER GOOT, 1915

circumflexum Buckton, 1876

Synonymy: *in Aulacorthum* in Carter,

Wood-Baker and Polaszek (1987).

OVATUS VAN DER GOOT, 1913

SUBGENUS OVATUS VAN DER

GOOT, 1913

crataegarius (Walker, 1850)

Synonymy: *Ovatus menthae* Walker, 1852.

PHORODON PASSERINI, 1860

humuli (Schrank, 1801)

Synonymy: *Phorodon pruni* (Scopoli,

1763); *Phorodon humuli* is given as a

synonym of *P. pruni* in Carter, Wood-

Baker and Polaszek (1987).

PLEOTRICHOPHORUS BÖRNER,

1930

+chrysanthemi (Theobald, 1920)

Footnote: recorded from Ireland by

Blackman (2010).

glandulosus (Kaltenbach, 1846)

PSEUDACAUELLA BÖRNER, 1950

+rubida Börner, 1950

Footnote: recorded from Ireland by

Blackman (2010).

RHOPALOMYZUS MORDVILKO,

1921

SUBGENUS RHOPALOMYZUS

MORDVILKO, 1921

poae (Gillette, 1908)
RHOPALOSIPHONINUS BAKER, 1920
SUBGENUS *MYZOSIPHON* HILLE
RIS LAMBERS, 1946
staphyleae (Koch, 1854)
SITOBION MORDVILKO, 1914
SUBGENUS *SITOBION*
MORDVILKO, 1914
avenae (Fabricius, 1775)
Synonymy: *Sitobion granaria* (Kirby,
1798).
fragariae (Walker, 1848)
Synonymy: *Macrosiphum rubiellum*
Theobald, 1913.
STAEGERIELLA HILLE RIS
LAMBERS, 1947
+necopinata (Börner, 1939)
Footnote: recorded from Co. Kerry by
Hopkins (2000).
STATICOBIUM MORDVILKO, 1914
staticis (Theobald, 1923)
TUBAPHIS HILLE RIS LAMBERS,
1947
ranunculina (Walker, 1852)
UROLEUCON MORDVILKO, 1914
SUBGENUS *UROLEUCON*
MORDVILKO, 1914
achilleae (Koch, 1855)
cichorii (Koch, 1855)
Synonymy: *in Euroleucon* in Carter,
Wood-Baker and Polaszek (1987).
cirsii (Linnaeus, 1758)

+hypochoeridis (Fabricius, 1779)
Footnote: recorded from Ireland by
Blackman (2010).
sonchi (Linnaeus, 1767)
SUBGENUS *UROMELAN*
MORDVILKO, 1914
jaceae Linnaeus, 1758
solidaginis (Fabricius, 1779)
+taraxaci (Kaltenbach, 1843)
Footnote: recorded from Ireland by
Blackman (2010).
UTAMPHOROPHORA KNOWLTON,
1947
humboldti (Essig, 1941)
Footnote: *humboldti* in Carter, Wood-Baker
and Polaszek (1987).
VESICULAPHIS DEL GUERCIO, 1911
theobaldi Takahashi, 1930
WAHLGRENIELLA HILLE RIS
LAMBERS, 1949
+nervata (Gillette, 1908)
Footnote: recorded from Ireland by
Blackman (2010).
CALAPHIDINAE
CALAPHIDINI
CALAPHIDINA
BETULAPHIS GLENDENNING, 1926
quadrituberculata (Kaltenbach,
1843)

Synonymy: *Betulaphis minimum* (van der Goot, 1912).

CALAPHIS WALSH, 1863

betulicola (Kaltenbach, 1843)

Synonymy: *in Kallistaphis in* Carter, Wood-Baker and Polaszek (1987).

flava Mordvilko, 1928

Synonymy: *in Kallistaphis in* Carter, Wood-Baker and Polaszek (1987).

CALLIPTERINELLA VAN DER GOOT, 1913

calliptera (Hartig, 1841)

CLETHROBIUS MORDVILKO, 1928

comes (Walker, 1848)

EUCERAPHIS WALKER, 1870

+*betulae* (Koch, 1855)

Footnote: recorded from Co. Tipperary by Hopkins (2000).

punctipennis (Zetterstedt, 1828)

SYMYDOBIUS MORDVILKO, 1894

SUBGENUS SYMYDOBIUS

MORDVILKO, 1894

oblongus (von Heyden, 1837)

MONAPHIDINA

MONAPHIS WALKER, 1870

+*antennata* (Kaltenbach, 1843)

Footnote: recorded from Co. Kerry by Hopkins (2000).

PANAPHIDINI

MYZOCALLIDINA

MYZOCALLIS PASSERINI, 1860

SUBGENUS AGRIOAPHIS WALKER,

1870

castanicola Baker, 1917

myricae (Kaltenbach, 1843)

SUBGENUS MYZOCALLIS

PASSERINI, 1860

boernerii Stroyan, 1957

carpini (Koch, 1855)

schreiberi Hille Ris Lambers and Stroyan, 1959

TUBERCULATUS MORDVILKO, 1894

SUBGENUS TUBERCULATUS

MORDVILKO, 1894

querceus (Kaltenbach, 1843)

SUBGENUS TUBERCULOIDES VAN DER GOOT, 1915

annulatus (Hartig, 1841)

neglectus (Krzywiac, 1966)

PANAPHIDINA

EUCALLIPTERUS SCHOUTEDEN, 1906

tiliae (Linnaeus, 1758)

PTEROCALLIS PASSERINI, 1860

SUBGENUS PTEROCALLIS

PASSERINI, 1860

alni (De Geer, 1773)

TAKECALLIS MATSUMURA, 1917

arundicolens (Clarke, 1903)

CHAITOPHORINAE

CHAITOPHORINI

CHAITOPHORUS KOCH, 1854

capreae (Mosley, 1841)

horii (Takahashi, 1939)

subspecies *beuthani* (Börner,
1950)

leucomelas Koch, 1854

Synonymy: *Chaitophorus versicolor* Koch,
1854.

tremulae Koch, 1854

**PERIPHYLLUS VAN DER HOEVEN,
1863**

acericola (Walker, 1848)

aceris (Linnaeus, 1761)

testudinaceus (Ferne, 1852)

SIPHINI

ATHEROIDES HALIDAY, 1838

+*brevicornis* Laing, 1920

Footnote: recorded from Co. Kerry by
Hopkins (2000).

hirtellus Haliday, 1838

serrulatus Haliday, 1838

LAINGIA THEOBALD, 1922

+*psammae* Theobald, 1922

Footnote: recorded from Co. Kerry by
Hopkins (2000).

SIPHA PASSERINI, 1860

SUBGENUS SIPHA PASSERINI, 1860

glyceriae (Kaltenbach, 1843)

littoralis (Walker, 1848)

DREPANOSIPHINAE

DREPANOSIPHUM KOCH, 1855

acerinum (Walker, 1848)

platanoidis (Schrank, 1801)

ERIOSOMATINAE

ERIOSOMATINI

ERIOSOMA LEACH, 1818

lanigerum Hausmann, 1802

Synonymy: *in Pemphigidae in* Carter,
Wood-Baker and Polaszek (1987).

patchiae (Börner and Blunck,
1916)

Synonymy: *Eriosoma ulmosedens*
Marchal, 1919; *in Pemphigidae in* Carter,
Wood-Baker and Polaszek (1987).

ulmi (Linnaeus, 1758)

subspecies *ulmi* (Linnaeus, 1758)

Synonymy: *in Pemphigidae in* Carter,
Wood-Baker and Polaszek (1987).

**KALTENBACHIELLA SCHOUTEDEN,
1906**

pallida Haliday, 1838

Synonymy: *Kaltenbachiella menthae*
(Passerini, 1860); *in Pemphigidae in*
Carter, Wood-Baker and Polaszek (1987).

GENUS TETRANEURA HARTIG, 1841

**SUBGENUS TETRANEURA HARTIG,
1841**

ulmi (Linnaeus, 1758)

Synonymy: *Byrsocrypta ulmifoliae* (Baker,
1920); *in Pemphigidae in* Carter, Wood-
Baker and Polaszek (1987).

FORDINI

APLONEURA PASSERINI, 1863

lentisci (Passerini, 1856)

Synonymy: *in* Pemphigidae *in* Carter, Wood-Baker and Polaszek (1987).

FORDA VON HEYDEN, 1837

formicaria von Heyden, 1837

Synonymy: *in* Pemphigidae *in* Carter, Wood-Baker and Polaszek (1987).

marginata Koch, 1857

Synonymy: *in* Pemphigidae *in* Carter, Wood-Baker and Polaszek (1987).

GEOICA HART, 1894

setulosa (Passerini, 1860)

Synonymy: *in* Pemphigidae *in* Carter, Wood-Baker and Polaszek (1987).

utricularia (Passerini, 1856)

Synonymy: *in* Pemphigidae *in* Carter, Wood-Baker and Polaszek (1987).

PARACLETUS VON HEYDEN, 1837

cimiciformis von Heyden, 1837

Synonymy: *in* Pemphigidae *in* Carter, Wood-Baker and Polaszek (1987).

SMYNTHURODES WESTWOOD, 1849

betae Westwood, 1849

Synonymy: *Trifidaphis phaseoli* (Passerini, 1860); *in* Pemphigidae *in* Carter, Wood-Baker and Polaszek (1987).

PEMPHIGINI HERRICH-SCHAEFFER, 1854

PACHYPAPPA KOCH, 1856

Synonymy: *in* *Asiphum* *in* Carter, Wood-

Baker and Polaszek (1987)

tremulae (Linnaeus, 1761)

Synonymy: *Rhizomaria piceae* Hartig, 1857; *in* Pemphigidae *in* Carter, Wood-Baker and Polaszek (1987).

PEMPHIGUS HARTIG 1839

SUBGENUS PEMPHIGUS HARTIG 1839

bursarius (Linnaeus, 1758)

Synonymy: *in* Pemphigidae *in* Carter, Wood-Baker and Polaszek (1987).

populinigrae (Schrank, 1801)

Synonymy: *in* Pemphigidae *in* Carter, Wood-Baker and Polaszek (1987).

spyrothecae Passerini, 1860

Synonymy: as *spirothecae* and *in* Pemphigidae *in* Carter, Wood-Baker and Polaszek (1987).

PROCIPHILUS KOCH, 1857

SUBGENUS PROCIPHILUS KOCH, 1857

fraxini (Fabricius, 1777)

Synonymy: *in* Pemphigidae *in* Carter, Wood-Baker and Polaszek (1987).

SUBGENUS STAGONA KOCH, 1857

pini (Burmeister, 1835)

Synonymy: *Stagona crataegi* (Tullagren, 1919); *in* Pemphigidae *in* Carter, Wood-Baker and Polaszek (1987).

THECABIUS KOCH, 1857

SUBGENUS THECABIUS KOCH, 1857

affinis (Kaltenbach, 1843)

Synonymy: *in Pemphigidae in Carter, Wood-Baker and Polaszek (1987).*

LACHNINAE

EULACHNINI

CINARA CURTIS, 1835

SUBGENUS CINARA CURTIS, 1835

confinis (Koch, 1856)

Synonymy: *Lachnus abieticola*

Cholodkovsky, 1899; *Lachniella cilicica*

Del Guercio, 1909.

costata (Zetterstedt, 1828)

kochiana (Börner, 1939)

piceae (Panzer, 1800)

pilicornis (Hartig, 1841)

pineae (Mordvilko, 1894)

pini (Linnaeus, 1758)

pinihabitans (Mordvilko, 1894)

pruinosa (Hartig, 1841)

EULACHNUS DEL GUERCIO, 1909

agilis (Kaltenbach, 1843)

brevipilosus Börner, 1940

SCHIZOLACHNUS MORDVILKO, 1908

pineti (Fabricius, 1781)

LACHNINI

LACHNUS BURMEISTER, 1835

roboris (Linnaeus, 1758)

TUBEROLACHNUS MORDVILKO, 1908

SUBGENUS TUBEROLACHNUS

MORDVILKO, 1908

salignus (Gmelin, 1790)

TRAMINI

TRAMA VON HEYDEN, 1837

SUBGENUS TRAMA VON HEYDEN, 1837

trogodytes von Heyden, 1837

PROTRAMA BAKER, 1920

radicis (Kaltenbach, 1843)

HORMAPHIDINAE

HORMAPHIDINI

HAMAMELISTES SHIMER, 1867

betulinus (Horvath, 1896)

Synonymy: *in Thelaxidae in Carter, Wood-Baker and Polaszek (1987).*

MINDARINAE

MINDARUS KOCH, 1857

abietinus Koch, 1857

Synonymy: *in Thelaxidae in Carter, Wood-Baker and Polaszek (1987).*

PHLOEOMYZINAE

PHLOEOMYZUS HORVATH, 1896

Synonymy: *Phloemyzus* Wilson, 1910 *in Carter, Wood-Baker and Polaszek (1987).*

passerinii (Signoret, 1875)

Synonymy: *in Thelaxidae in Carter, Wood-Baker and Polaszek (1987).*

PHYLLAPHIDINAE

PHYLLAPHIS KOCH, 1856

fagi (Linnaeus, 1767)

SALTUSAPHIDINAE

SALTUSAPHIDINI

IZIPHYA NEVSKY, 1929

bufo (Walker, 1848)

JUNCOBIA QUEDNAU, 1954

leegei (Börner, 1940)

Synonymy: *in Iziphya* in Carter, Wood-Baker and Polaszek (1987).

THRIPSAPHIDINI

ALLAPHIS MORDVILKO, 1921

+*verrucosa* (Gillette, 1917)

Footnote: recorded from Co. Kerry by Hopkins (2000) as *Thripsaphis* (*Trichocallis*) *verrucosa* Gillette.

SUBSALTUSAPHIS QUEDNAU, 1953

Synonymy: *Subsaltaphis* in Carter, Wood-Baker and Polaszek (1987).

SUBGENUS SUBSALTUSAPHIS

QUEDNAU, 1953

ornata (Theobald, 1927)

THRIPSAPHIS GILLETTE, 1917

SUBGENUS THRIPSAPHIS

GILLETTE, 1917

caricis (Mordvilko, 1921)

Synonymy: *Thripsaphis cyperi* (Quednau, 1954) in Carter, Wood-Baker and Polaszek (1987).

THELAXINAE

THELAXINI

GLYPHINA KOCH, 1856

jacutensis Mordvilko, 1931

Synonymy: *Glyphina schrankiana* Börner, 1950 in Carter, Wood-Baker and Polaszek (1987); *alni* (Schrank, 1801); *in* Thelaxidae in Carter, Wood-Baker and Polaszek (1987).

THELAXES WESTWOOD, 1840

dryophila Schrank, 1801

Synonymy: *in* Thelaxidae in Carter, Wood-Baker and Polaszek (1987).

COCCOIDEA

The Irish scale insects and mealy bugs (Coccoidea) were listed by O'Connor, Gertsson and Malumphy (in press). Scale insects vary greatly in their appearance from very small insects that occur under wax covers (some look like oyster shells) to shiny pearl-like objects, to creatures covered with mealy wax. Adult female scales are almost always immobile (aside from mealybugs) and permanently attached to the plant they have parasitized. They secrete a waxy coating for defence. The Coccoidea feed on a variety of plants and many are pest species. [O'Connor, Gertsson and Malumphy (in press) was published in 2013]

3. ASTEROLECANIIDAE

ASTEROLECANIINAE

ASTERODIASPIS SIGNORET, 1877

[quercicola (Bouché, 1851)]

Footnote: requires confirmation as an Irish species.

variolosa (Ratzeburg, 1870)

4. COCCIDAE

FILIPPIINAE

[ERIOPELTIS SIGNORET, 1872]

[festucae (Boyer de Fonscolombe, 1834)]

Footnote: requires confirmation as an Irish species.

[lichtensteini Signoret, 1877]

Footnote: requires confirmation as an Irish species.

LECANOPSIS TARGIONI TOZZETTI, 1868

formicarum Newstead, 1893

LICHTENSIA SIGNORET, 1873

viburni Signoret, 1873

COCCINAE

PULVINARIINI

PULVINARIA TARGIONI TOZZETTI, 1866

floccifera (Westwood, 1870)

regalis Canard, 1968

vitis (Linnaeus, 1758)

COCCINI

COCCUS LINNAEUS, 1758

hesperidum Linnaeus, 1758

subspecies *hesperidum* Linnaeus, 1758

EULECANIUM COCKERELL 1893

tiliae (Linnaeus, 1758)

Synonymy: *Eulecanium capreae*

(Linnaeus, 1767); *Eulecanium coryli*

(Linnaeus, 1758).

PARTHENOLECANIUM SULC, 1908

corni (Bouché, 1844)

subspecies *corni (Bouché, 1844)*

Synonymy: *Parthenolecanium persicae*:

auctt. Brit. partim, nec (Fabricius, 1776).

[PHYSOKERMES TARGIONI

TOZZETTI, 1868]

[Physokermes sp.]

Footnote: the spruce-bud scale

(*Physokermes piceae* (Schrank, 1801)),

although a common species in Europe and North America, occurs only on *Picea* spp.

As a result, the Irish records may be

instead of the small spruce-bud scale (*P. hemicryphus* (Dalman, 1826)) which can

occur on silver fir (Kosztarab and Kozár,

1988). In Britain, all records of *P. piceae*

were recently found to be

misidentifications of *P. hemicryphus*

(Malumphy, 2009). The Irish status of *P.*

piceae therefore requires confirmation.

SAISSETIA DEPLANCHE, 1859

coffae (Walker, 1852)

Synonymy: *Saissetia clypeata* (Douglas, 1888); *S. hemisphaerica* (Targioni Tozzetti, 1867).

neglecta De Lotto, 1969

5. DIASPIDIDAE

DIASPIDINAE

ASPIDIOTINI

ABGRALLASPIS BALACHOWSKY, 1948

cyanophylli (Signoret, 1869)

Footnote: no modern Irish records.

ASPIDIOTUS BOUCHÉ, 1833

nerii Bouché, 1833

Synonymy: *Aspidiotus hederæ* (Vallot, 1829) misidentification.

CHRYSOMPHALUS ASHMEAD, 1880

dictyospermi (Morgan, 1889)

Footnote: no modern Irish records.

DIASPIDIOTUS BERLESE, 1896

ostreaeformis (Curtis, 1843)

zonatus (Frauenfeld, 1868)

DIASPIDINI

DIASPIDINA

AULACASPIS COCKERELL, 1893

rosæ (Bouché, 1833)

Footnote: no modern Irish records.

CARULASPIS MACGILLIVRAY, 1921

minima (Signoret, 1869)

CHIONASPIS SIGNORET, 1869

salicis (Linnaeus, 1758)

DIASPIS COSTA, 1828

boisduvalii Signoret, 1869

Footnote: no modern Irish records.

FIORINIA TARGIONI TOZZETTI, 1868

fioriniae (Targioni Tozzetti, 1867)

Footnote: no modern Irish records.

HOWARDIA BERLESE AND LEONARDI, 1896

biclavis (Comstock, 1883)

Footnote: no modern Irish records.

PINNASPIS COCKERELL, 1892

aspidistrae (Signoret, 1869)

subspecies *aspidistrae* (Signoret, 1869)

Footnote: no modern Irish records.

buxi (Bouché, 1851)

Footnote: no modern Irish records

LEPIDOSAPHEDINA

ISCHNASPIS DOUGLAS, 1887

longirostris (Signoret, 1882)

Synonymy: *Ischnaspis filiformis* Douglas, 1887.

Footnote: no modern Irish records.

LEPIDOSAPHES SHIMER, 1898

ulmi (Linnaeus, 1758)

Synonymy: *Lepidosaphes pomorum* (Bouché, 1851).

PARLATORIINI

GYMNASPIDINA

GYMNASPIS NEWSTEAD, 1898

aechmeae Newstead, 1898

LEUCASPIDINA

[**LEUCASPIS** SIGNORET, 1869]

[*lowi* Colvée, 1882]

Footnote: deleted as an Irish species.

PARLATORIA

[**PARLATORIA** TARGIONI

TOZZETTI, 1868]

[*pergandii* Comstock, 1881]

Footnote: deleted as an Irish species.

6. ERIOCOCCIDAE

CRYPTOCOCCUS DOUGLAS, 1890

fagisuga Lindinger, 1936

Synonymy: *Cryptococcus fagi*

(Bärensprung, 1849).

ERIOCOCCUS TARGIONI

TOZZETTI, 1868

devoniensis (Green, 1896)

7. [KERMESIDAE]

[**KERMES** BOITARD, 1828]

[*corticalis* Nasonov, 1908]

Footnote: deleted as an Irish species.

8. [MONOPLEBIDAE]

[**ICERYA** SIGNORET, 1875]

[*purchasi* Maskell, 1878]

Footnote: eradicated as an Irish species.

9. ORTHEZIIDAE

ARCTORTHEZIA COCKERELL, 1902

cataphracta (Olafsen, 1772)

Synonymy: *Arctorthezia cataphracta*
(Shaw, 1794).

NEWSTEADIA GREEN, 1902

Synonymy: *Pseudococcus*.

floccosa (De Geer, 1778)

ORTHEZIA BOSC, 1784

urticae (Linnaeus, 1758)

PSEUDOCOCCIDAE

BALANOCOCCUS WILLIAMS, 1962

diminutus (Leonardi, 1918)

DYSMICOCCUS FERRIS, 1950

walkeri (Newstead, 1891)

PHENACOCCUS COCKERELL, 1893

aceris (Signoret, 1875)

PLANOCOCCUS FERRIS, 1950

citri (Risso, 1813)

RHIZOECUS KUNCKEL

D'HERCULAIS 1878

falcifer Künckel d'Herculais,
1878

RIPERSIELLA TINSLEY IN

COCKERELL, 1899

halophila (Hardy, 1868)

TRIONYMUS BERG, 1899

perrisii (Signoret, 1875)

subspecies *perrisii* (Signoret,
1875)

Synonymy: *Dactylopius hibernicus*

Newstead, 1895.

PHYLLOXEROIDEA

The Irish Phylloxeroidea was listed by Carter, Wood-Baker and Polaszek (1987). The nomenclature mainly follows Favret (2011).

10. ADELGIDAE

ADELGES VALLOT, 1936

SUBGENUS ADELGES VALLOT, 1936

laricis Vallot, 1836

Synonymy: *Cnaphalodes strobilobius*

(Kaltenbach, 1843)

**SUBGENUS DREYFUSIA BÖRNER,
1907**

nordmanniana (Eckstein, 1890)

Synonymy: *Dreyfusia nuesslini* Börner,
1908.

piceae (Ratzeburg, 1837)

**SUBGENUS CHOLODKOVSKYA
BÖRNER, 1909**

viridana (Cholodkovsky, 1896)

cooleyi (Gillette, 1907)

PINEUS SHIMER, 1869

SUBGENUS PINEUS SHIMER, 1869

pini (Macquart, 1819)

Synonymy: the authority is given as

Gmelin in Linnaeus in Carter, Wood-Baker
and Polaszek (1987).

11. PHYLLOXERIDAE

DAKTULOSPHEIRA SHIMER, 1866

Synonymy: *Viteus* Shimer, 1867 in Carter,
Wood-Baker and Polaszek (1987).

vitifoliae (Fitch, 1851)

PSYLLOIDEA

The Irish psyllids or jumping plant-lice (Psylloidea) were listed by O'Connor and Malumphy (2011). They are excellent jumpers, being propelled by enlarged hind legs. Psyllids feed on plants and some species cause galls.

12. PSYLLIDAE

APHALARA FOERSTER, 1848

exilis (Weber and Mohr, 1804)

polygoni Foerster, 1848

ulicis Foerster, 1848

ARYTAINA FOERSTER, 1848

genistae (Latreille, 1804)

Synonymy: *Arytaena genistae* Latreille,
1804.

ARYTAINILLA LOGINOVA, 1972

spartiophila (Foerster, 1848)

Synonymy: *Psylla spartii* Guérin-

Méneville, 1843; *Arytaina spartii* (Guérin-
Méneville, 1843).

BAEOPELMA ENDERLEIN, 1926

foersteri (Flor, 1861)

CACOPSYLLA OSSIANNILSSON, 1970

SUBGENUS CACOPSYLLA

OSSIANNILSSON, 1970

mali (Schmidberger, 1836)

peregrina (Foerster, 1848)

sorbi (Linnaeus, 1758)

SUBGENUS HEPATOPSYLLA

OSSIANNILSSON, 1970

ambigua (Foerster, 1848)

brunneipennis (Edwards, 1896)

Synonymy: *Psylla brunneipennis* Edwards, 1896.

hippohaes (Foerster, 1848)

pulchra (Zetterstedt, 1838)

Synonymy: *Psylla pineti* Flor, 1861; *Psylla nigrita* (Zetterstedt, 1828).

pyri (Linnaeus, 1758)

pyricola (Foerster, 1848)

Synonymy: *Psylla apiophila* Foerster, 1848.

saliceti (Foerster, 1848)

Synonymy: *Psylla salicicola* Foerster, 1848 partim.

SUBGENUS THAMNOPSYLLA

LOGINOVA, 1978

[*alaterni* (Foerster, 1848)]

Footnote: requires confirmation as an Irish species.

crataegi (Schrank, 1801)

Synonymy: *Psylla costatopunctata* Foerster, 1848.

melanoneura (Foerster, 1848)

Synonymy: *Psylla costalis* Flor (partim).

pruni (Scopoli, 1763)

Synonymy: *Psylla fumipennis* Foerster, 1848.

ramnicola (Scott, 1876)

CHAMAEPSYLLA OSSIANNILSSON, 1970

hartigii (Flor, 1861)

CRASPEDOLEPTA ENDERLEIN, 1921

flavipennis (Foerster, 1848)

nebulosa (Zetterstedt, 1828)

nervosa (Foerster, 1848)

Synonymy: *Aphalara nervosa* Foerster, 1848.

sonchi (Foerster, 1848)

Synonymy: *Aphalaria picta* Zetterstedt, 1828.

LIVIA LATREILLE, 1802

junci (Schrank, 1789)

Synonymy: *Livia juncorum* (Latreille, 1798).

LIVILLA CURTIS, 1836

ulicis Curtis, 1836

NEOCRASPEDOLEPTA CONCI AND TAMANINI, 1986

subpunctata (Foerster, 1848)

Synonymy: *Craspedolepta subpunctata* (Foerster, 1848).

PSYLLA GEOFFROY, 1762

SUBGENUS PSYLLA GEOFFROY, 1762

alni (Linnaeus, 1758)

Synonymy: *Psylla fuscinervis* Foerster, 1848; *Psylla heydeni* Foerster, 1848.

betulae (Linnaeus, 1758)

SUBGENUS ASPHAGIDELLA

ENDERLEIN, 1921

buxi (Linnaeus, 1758)

PSYLLOPSIS LOW, 1879

discrepans (Flor, 1861)

distinguenda Edwards, 1913

fraxini (Linnaeus, 1758)

fraxinicola (Foerster, 1848)

SPANIONEURA FOERSTER, 1848

fonscolombii Foerster, 1848

STROPHINGIA ENDERLEIN, 1914

ericae (Curtis, 1835)

13. SPONDYLIASPIDAE

CTENARYTAINA FERRIS AND

KLYVER, 1932

eucalypti (Maskell, 1890)

peregrina Hodkinson, 2007

spatulata Taylor, 1997

14. TRIOZIDAE

BACTERICERA PUTON, 1876

albiventris (Foerster, 1848)

crithmi (Low, 1877)

curvatinervis (Foerster, 1848)

TRIOZA FOERSTER, 1848

alacris Flor, 1861

galii Foerster, 1848

Synonymy: *Trioza velutina* Foerster, 1848.

munda Foerster, 1848

remota Foerster, 1848

urticae (Linnaeus, 1758)

vitreoradiata (Maskell, 1879)

MECOPTERA

The sole Irish species of scorpion fly (Mecoptera) was listed by King and Halbert (1910). The order appears to be very rare in Ireland and there are only two records. The tip of the male abdomen is turned up, hence the popular name. The larvae live as scavengers in the soil and leaf litter. The adults are largely carnivorous

MECOPTERA

1. PANORPIDAE

PANORPA LINNAEUS, 1758

germanica Linnaeus, 1758

MEGALOPTERA

Ashe, O'Connor and Murray listed the Irish alderflies (Megaloptera). The larvae are aquatic, feeding on other insects.

1. SIALIDAE

SIALIS LATREILLE, 1802

lutaria (Linnaeus, 1758)

nigripes Pictet, 1865

MICROCORYPHIA

The jumping bristletails (Microcoryphia) feed primarily on algae, but also lichens, mosses or decaying organic materials.

1. MACHILIDAE

MACHILINAE

***DILTA* STRAND, 1911**

***hibernica* (Carpenter, 1907)**

Footnote: recorded from Cos Cork, Dublin, Fermanagh, Galway, Roscommon and Wicklow by Delany (1954).

***saxicola* (Womersley, 1930)**

Footnote: recorded from Co. Dublin by Delany (1954).

***TRIGONIOPHTHALMUS* VERHOEFF, 1910**

***alternatus* (Silvestri, 1904)**

Footnote: recorded from Co. Cork by Makings (1959).

PETROBIINAE

***PETROBIUS* LEACH, 1809**

***brevistylis* Carpenter, 1913**

Footnote: recorded from Co. Dublin by Carpenter (1913a).

***maritimus* (Leach, 1809)**

Footnote: recorded from Co. Mayo by Carpenter (1913b).

NEUROPTERA

The Irish lacewings (Neuroptera) were listed by Barnard, O'Connor and Speight (1991). Both the adults and larvae are carnivorous. The larvae have sucking mouth-parts which resemble two drinking straws and are used for sucking out the juices of the prey

HEMEROBIIFORMIA

1. CHRYSOPIDAE

CHRYSOPINAE

CHRYSOPINI

***CHRYSOPA* LEACH IN BREWSTER, 1815**

***abbreviata* Curtis, 1834**

[*perla* (Linnaeus, 1758)]

Footnote: certainly Irish according to Haliday ms (King and Halbert, 1910) but since then, there has been no records and its Irish status requires confirmation.

***CHRYSOPERLA* STEINMANN, 1964**

***carnea* (Stephens, 1836)**

Synonymy: *Chrysopa vulgaris* Schneider, W. G., 1851 in King and Halbert (1910).

***CHRYSOTROPIA* NAVÁS, 1911**

***ciliata* (Wesmael, 1841)**

Synonymy: *Chrysopa alba*: auctt., nec (Linnaeus, 1758) in King and Halbert (1910); in *Chrysopidia* in Barnard, O'Connor and Speight (1991).

***CUNCTOCHRYSA* HÖLZEL, 1970**

***albolineata* (Killington, 1935)**

Synonymy: *Chrysopa tenella* Schneider, W. G., 1851 in King and Halbert (1910).

DICHOCHRYSA YANG, 1991

***flavifrons* (Brauer, 1850)**

Synonymy: *in Mallada* in Barnard, O'Connor and Speight (1991).

***ventralis* (Curtis, 1834)**

Synonymy: *Chrysopa prasina* Burmeister, 1839 *in* King and Halbert (1910); *in Chrysopa* in King and Halbert (1910); *in Mallada* in Barnard, O'Connor and Speight (1991).

NINETA NAVÁS, 1912

***flava* (Scopoli, 1763)**

Synonymy: *in Chrysopa* in King and Halbert (1910).

***vittata* (Wesmael, 1841)**

Synonymy: *in Chrysopa* in King and Halbert (1910).

2. CONIOPTERYGIDAE

CONIOPTERYGINAE

CONIOPTERYGINI

CONIOPTERYX CURTIS, 1834

SUBGENUS CONIOPTERYX CURTIS, 1834

***+borealis* Tjeder, 1930**

Footnote: recorded from Co. Dublin by O'Connor (2003).

***tineiformis* Curtis, 1834**

Synonymy: *Coniopteryx lactea* Wesmael, 1841 *in* King and Halbert (1910).

ALEUROPTERYGINAE

CONWENTZIINI

CONWENTZIA ENDERLEIN, 1905

***psociformis* (Curtis, 1834)**

Synonymy: *Coniopteryx* in King and Halbert (1910).

3. HEMEROBIIDAE

HEMEROBIINAE

HEMEROBIUS LINNAEUS, 1758

SUBGENUS BRAUEROBIUS

KRÜGER, 1922

***marginatus* Stephens, 1836**

SUBGENUS HEMEROBIUS

LINNAEUS, 1758

***atrifrons* McLachlan, 1868**

***humulinus* Linnaeus, 1758**

Synonymy: *Hemerobius humuli* L. *in* King and Halbert (1910).

***lutescens* Fabricius, 1793**

***micans* Olivier, 1792**

***nitidulus* Fabricius, 1777**

***pini* Stephens, 1836**

***simulans* Walker, 1853**

Synonymy: *Hemerobius orotypus* Wallengren, 1863 *in* King and Halbert (1910).

***stigma* Stephens, 1836**

WESMAELIUS KRÜGER, 1922

SUBGENUS KIMMINSIA

KILLINGTON, 1937

***nervosus* (Fabricius, 1793)**

Synonymy: *Wesmaelius betulinus* Ström, 1788 *in* Barnard, O'Connor and Speight (1991).

***subnebulosus* (Stephens, 1836)**

Synonymy: *in Hemerobius* in King and Halbert (1910).

SUBGENUS WESMAELIUS KRÜGER, 1922

quadrifasciatus (Reuter, 1894)

MICROMINAE

MICROMUS RAMBUR, 1842

angulatus (Stephens, 1836)

paganus (Linnaeus, 1767)

variegatus (Fabricius, 1793)

NOTIOBIELLINAE

PSECTRA HAGEN, 1866

diptera (Burmeister, 1839)

4. OSMYLIDAE

OSMYLINAE

OSMYLUS LATREILLE, 1802

fulvicephalus (Scopoli, 1763)

Synonymy: *Osmylus chrysops* auctt., nec (Linnaeus, 1758)

5. SISYRIDAE

SISYRA BURMEISTER, 1839

dalii McLachlan, 1866

nigra (Retzius, 1783)

Synonymy: *Sisyra fuscata* (Fabricius, 1793) in King and Halbert (1910); *S. fuscatus* in Barnard, O'Connor and Speight (1991).

terminalis Curtis, 1854

ODONATA

Nomenclature follows Schorr and Paulson (2011). The Irish dragonflies and damselflies (Odonata) were listed by Nelson and Thompson (2004). Synonyms which appear in King and Halbert (1910) are also given. The aquatic nymphs are carnivorous. After emergence, the adults live by actively hunting other insects.

ZYGOPTERA

CALOPTERYGOIDEA

1. CALOPTERYGIDAE

CALOPTERYX LEACH, 1815

splendens (Harris, 1780)

virgo (Linnaeus, 1758)

LESTOIDEA

2. LESTIDAE

LESTES LEACH, 1815

[*barbarus* (Fabricius, 1798)]

Footnote: King and Halbert (1910) considered the Irish record to be extremely doubtful.

dryas Kirby, 1890

sponsa (Hansemann, 1823)

COENAGRIONOIDEA

3. COENAGRIONIDAE

[*CERIAGRION SÉLYS, 1876*]

[tenellum (de Villers, 1789)]

Footnote: as the three published claims are unsupported by vouchers or adequate descriptions, the Irish status of the species requires confirmation.

COENAGRION KIRBY, 1890

***lunulatum* (Charpentier, 1840)**

***puella* (Linnaeus, 1758)**

Synonymy: *in Agrion* in King and Halbert (1910).

***pulchellum* (Vander Linden, 1825)**

Synonymy: *in Agrion* in King and Halbert (1910).

ENALLAGMA CHARPENTIER, 1840

***cyathigerum* (Charpentier, 1840)**

[ERYTHROMMA CHARPENTIER, 1840]

[*najas* (Hansemann, 1823)]

Footnote: the Irish status requires confirmation.

ISCHNURA CHARPENTIER, 1840

***elegans* (Vander Linden, 1820)**

***pumilio* (Charpentier, 1825)**

PYRRHOSOMA CHARPENTIER, 1840

***nymphula* (Sulzer, 1776)**

ANISOPTERA

AESHNOIDEA

4. AESHNIDAE

AESHNA FABRICIUS, 1775

***cyanea* (Müller, 1764)**

Footnote: recorded from Co. Cork by Bond (1989).

***grandis* (Linnaeus, 1758)**

Synonymy: *in Aeschna* in King and Halbert (1910).

***juncea* (Linnaeus, 1758)**

Synonymy: *in Aeschna* in King and Halbert (1910).

***mixta* Latreille, 1805**

Footnote: recorded from Co. Wexford by Nelson, Ronayne and Thompson (2003).

ANAX LEACH, 1815

***ephippiger* (Burmeister, 1839)**

Synonymy *in Hemianax* in Nelson and Thompson (2004).

Footnote: a very rare vagrant, recorded first in 1913 and again in 2011, when three specimens were seen.

***imperator* Leach, 1815**

Footnote: recorded from Cos Cork, Wexford and Wicklow by Nelson, Ronayne and Thompson (2003).

***parthenope* (Sélys, 1839)**

Footnote: recorded from Co. Cork by Nelson, Ronayne and Thompson (2003).

BRACHYTRON EVANS, 1845

***pratense* (Müller, 1764)**

CORDULEGASTROIDEA

5. CORDULEGASTRIDAE

CORDULEGASTER SÉLYS, 1843

***boltonii* (Donovan, 1807)**

Synonymy: *Cordulegaster annulatus*: (Latreille, 1804), nec Fabricius, 1775 *in* King and Halbert (1910).

Footnote: although there is a Haliday specimen from Ireland preserved in the National Museum of Ireland and other reports of the species, its Irish status was not confirmed until 2005 (Nelson, 2011).

6. [GOMPHIDAE]

[GOMPHUS CHARPENTIER, 1825]

[*vulgatissimus* (Linnaeus, 1758)]

Footnote: an Irish specimen was cited in King and Halbert (1910) but there are no recent records. The individual may have been a vagrant or belonged to a now extinct population.

LIBELLULOIDEA

7. CORDULIIDAE

CORDULIA LEACH, 1815

***aenea* (Linnaeus, 1758)**

SOMATOCHLORA SÉLYS, 1871

***arctica* (Zetterstedt, 1840)**

8. LIBELLULIDAE

LIBELLULA LINNAEUS, 1758

***depressa* Linnaeus, 1758**

Footnote: only recorded once in 1834 from Co. Waterford.

***fulva* Müller, 1764**

Footnote: only recorded once from Co.

Kerry.

***quadrinaculata* Linnaeus, 1758**

ORTHETRUM NEWMAN, 1833

***cancellatum* (Linnaeus, 1758)**

***coerulescens* (Fabricius, 1798)**

SYMPETRUM NEWMAN, 1833

***danae* (Sulzer, 1776)**

Synonymy: *Sympetrum scoticum* Donovan, 1811 in King and Halbert (1910).

***flaveolum* (Linnaeus, 1758)**

Footnote: the species has only been reported a few times from Ireland with confirmed records from Co. Wexford (Rippey, 2001).

***fonscolombii* (Sélys, 1840)**

Footnote: first recorded in 1941, the Irish distribution of this species reflects its migratory behaviour, most being reported from coastal localities in the east and south.

[*nigrescens* Lucas, 1912]

Footnote: new evidence has been provided by two genetic and morphological studies which shows that *Sympetrum nigrescens* is indistinguishable from *S. striolatum* (Parkes *et al.*, 2009; Pilgrim and von Dohlen, 2007).

***sanguineum* (Müller, 1764)**

***striolatum* (Charpentier, 1840)**

ORTHOPTERA

The Irish crickets, grasshoppers and related insects (Orthoptera) were listed by Marshall and Haes (1990). Cotton (1982) provided a synopsis of the group (*sensu lato*) in Ireland. Additions since that paper are indicated. Some imported species of interest are also included. Other exotic species will be found in Nash and O'Connor (1990). Grasshoppers feed primarily on grass but animal matter is important in the diet of crickets.

CAELIFERA

ACRIDOIDEA

1. ACRIDIDAE

{CALLIPTAMINAE}

{CALLIPTAMUS SERVILE, 1831}

{italicus (Linnaeus, 1758)}

Footnote: a specimen was found in a car imported from southern Europe into Belfast (O'Connor and Nash, 1979).

{CYRTACANTHACRIDINAE}

{ANACRIDIDIUM UVAROV, 1923}

{aegyptium (Linnaeus, 1764)}

Footnote: adults have been frequently imported into Ireland with fruit, vegetables and other goods from the Mediterranean region.}

{SCHISTOCERCA STÅL, 1873}

{gregaria (Forskål, 1775)}

Footnote: several specimens have been found in Ireland (Cotton, 1982; Marshall and Haes, 1990). An individual arrive in Co. Cork at the same time as Saharan dust was being deposited in southern areas of the British Isles (Bond and Blackith, 1987).

GOMPHOCERINAE

CHORTHIPPUS FIEBER, 1852

albomarginatus (De Geer, 1773)

brunneus (Thunberg, 1815)

MYRMELEOTETTIX BOLIVAR, 1914

maculatus (Thunberg, 1815)

OMOCESTUS BOLIVAR, 1878

viridulus (Linnaeus, 1758)

OEDIPODINAE

{LOCUSTA LINNAEUS, 1758}

{migratoria (Linnaeus, 1758)}

subspecies *gallica (Remaudière, 1947)*

subspecies *migratoria (Linnaeus, 1758)}*

Footnote: migrant specimens occasionally reach Ireland from mainland Europe but so far never in sufficient numbers to cause problems here (Marshall and Haes, 1990).

STETHOPHYMA FISCHER, 1853

grossum (Linnaeus, 1758)

TETRIGOIDEA

2. TETRIGIDAE

TETRIX LATREILLE, 1802

SUBGENUS TETRIX LATREILLE, 1802

subulata (Linnaeus, 1758)

SUBGENUS TETRATETRIX

KARAMAN, 1965

undulata (Sowerby, 1806)

ENSIFERA

GRYLLOIDEA

3. GRYLLIDAE

GRYLLINAE

ACHETA FABRICIUS, 1775

domesticus (Linnaeus, 1758)

{GRYLLODES SAUSSURE 1874}

{supplicans (F. Walker, 1859)}

Synonymy: *Gryllodes sigillatus* (Walker, 1869) in O'Connor and Nash (1984).

Footnote: thousands of specimens were found in a cargo of Nigerian mahogany on Dublin docks (O'Connor and Nash, 1984).

4. GRYLLOTALPIDAE

GRYLLOTALPA LATREILLE, 1802

gryllotalpa (Linnaeus, 1758)

Footnote: the Irish status of this species is discussed by O'Connor (2009).

RHAPHIDOPHOROIDEA

5. RHAPHIDOPHORIDAE

RHAPHIDOPHORINAE

TACHYCINES ADELUNG, 1902

asynamorus Adelung, 1902

TETTIGONIOIDEA

6. CONOCEPHALIDAE

CONOCEPHALUS THUNBERG, 1815

+*dorsalis* (Latreille, 1804)

Footnote: added by Marshall and Haes (1990). The species was first found in Co. Cork (Sutton, 2008).

7. MECONEMATIDAE

MECONEMA SERVILLE, 1831

thalassinum (De Geer, 1773)

8. PHANEROPTERIDAE

LEPTOPHYES FIEBER, 1853

punctatissima (Bosc, 1792)

9. TETTIGONIIDAE

METRIOPTERA WESMAEL, 1838

SUBGENUS *METRIOPTERA*

WESMAEL, 1838

roeselii (Hagenbach, 1822)

PHOLIDOPTERA WESMAEL, 1838

+*griseoptera* (De Geer, 1773)

Footnote: added from Co. Waterford by O'Connor and O'Connor (1985).

{*TETTIGONIA LINNAEUS, 1758*}

{*viridissima* (Linnaeus, 1758)}

Footnote: a live female was discovered in a tent in Co. Cork. The Irish holiday-maker had returned from France (Good and Cullinane, 1990).

PHASMATODEA

Only one species of stick-insect (Phasmatodea) is known from Ireland (Lee, 2004). Stick-insects are plant feeders and their natural camouflage can make them extremely difficult to spot in the wild.

1. PHASMATIDAE

ACANTHOXYLA UVAROV, 1955

inermis Salmon, 1955

Synonymy: *Clitarchus hookeri* (White,

1846) misidentification in Goodhue, Greer Walker and Blackith (1964).

Footnote: the species occurs in the south-west particularly around the Bay of

Kenmare in Co. Kerry (Lee, 2004).

Acanthoxyla inermis originates from New

Zealand.

PHTHIRAPTERA

The Irish biting and sucking lice (Phthiraptera) were reviewed by Butler and O'Connor (1994), and by O'Connor, Sleeman and Butler (2005). These wingless insects feed on birds and mammals including humans.

AMBLYCERA

LAEMOBOTHRIOIDEA

1. LAEMOBOTHRIIDAE

LAEMOBOTHRION NITZSCH, 1818

tinnunculi (Linnaeus, 1758)

MENOPONOIDEA

2. MENOPONIDAE

ACTORNITHOPHILUS FERRIS, 1916

SUBGENUS ACTORNITHOPHILUS

FERRIS, 1916

bicolor (Piaget, 1880)

[*ochraceus* (Nitzsch, 1818)]

Footnote: the Irish status of the species requires confirmation.

[?*paludosus* Clay, 1962]

Footnote: the sole specimen was in poor condition and was therefore only provisionally identified.

patellatus (Piaget, 1890)

spinulosus (Piaget, 1880)

[?*totani* (Schrank, 1803)]

Footnote: the sole specimen was in poor condition and was therefore only provisionally identified.

SUBGENUS LARITHOPHILUS

ZLOTORZYCKA, 1963

piceus (Denny, 1842)

ALLOCOLPOCEPHALUM QADRI, 1939

fregili (Denny, 1842)

Synonymy: *in Colpocephalum* in Butler and O'Connor (1994).

AMYRSIDEA EWING, 1927

SUBGENUS ARGIMENOPON

EICHLER, 1947

fulvomaculata (Denny, 1842)

AUSTROMENOPON BEDFORD, 1939

lutescens (Burmeister, 1838)

nigropleurum (Denny, 1842)

transversum (Denny, 1842)

CICONIPHILUS BEDFORD, 1939

decimfasciatus (Boisduval and Lacordaire, 1835)

COLPOCEPHALUM NITZSCH, 1818

leptopygos Nitzsch *in* Giebel, 1874

DENNYUS NEUMANN, 1906

SUBGENUS DENNYUS NEUMANN, 1906

hirundinis (Linnaeus, 1758)

MENACANTHUS NEUMANN, 1912

eurysternus (Burmeister, 1838)

subspecies *minusculus*

Blagoveshtchensky, 1940

Synonymy: *Menacanthus minusculus*
Blagoveshtchensky, 1940 in Butler and
O'Connor (1994).

MYRSIDEA WATERSTON, 1915

cornicis (De Geer, 1778)

+*franciscoi* Conci, 1942

Footnote: recorded from Co. Cork by
Doyle, O'Halloran and Smiddy (2004).

isostoma (Nitzsch, 1866)

lyali Klockenhoff, 1984

picae (Linnaeus, 1758)

PSEUDOMENOPON MJÖBERG, 1910

pilosum (Scopoli, 1763)

TRINOTON NITZSCH, 1818

[*anserinum* (J. C. Fabricius,
1805)]

Footnote: the Irish status of the species
requires confirmation.

[*luridum* Nitzsch in Giebel, 1838]

Footnote: the Irish status of the species
requires confirmation.

querquedulae (Linnaeus, 1758)

RICINOIDEA

3. RICINIDAE

RICINUS DE GEER, 1778

+*fringillae* De Geer, 1778

Footnote: recorded from Co. Dublin by
O'Connor (2005a).

japonicus (Uchida, 1915)

ANOPLURA

ATENTORIA

LINOGNATHOIDEA

4. ENDERLEINELLIDAE

**ENDERLEINELLUS FAHRENHOLZ,
1912**

longiceps Kellogg and Ferris,
1915

5. HOPLOPLEURIDAE

HOPLOPLEURA ENDERLEIN, 1904

[*acanthopus* (Burmeister, 1839)]

Footnote: the Irish record was mistakenly
based on Scottish material.

sciuricola Ferris, 1921

6. LINOGNATHIDAE

LINOGNATHUS ENDERLEIN, 1905

setosus (v. Olfers, 1816)

vituli (Linnaeus, 1758)

SOLENOPOTES ENDERLEIN, 1904

burmeisteri (Fahrenheit, 1919)

capillatus Enderlein, 1914

7. POLYPLACIDAE

HAEMODIPSUS ENDERLEIN, 1904

lyriocephalus (Burmeister, 1839)

ventricosus (Denny, 1842)

**NEOHAEMATOPINUS MJÖBERG,
1910**

sciuri Jancke, 1932

POLYPLAX ENDERLEIN, 1904

serrata (Burmeister, 1839)

spinulosa (Burmeister, 1839)

8. PTHIRIDAE

PTHIRUS LEACH, 1815

pubis (Linnaeus, 1758)

PEDICULOIDEA

9. HAEMATOPINIDAE

HAEMATOPINUS LEACH, 1815

asini (Linnaeus, 1758)

eurysternus (Nitzsch, 1818)

suis (Linnaeus, 1758)

10. PEDICULIDAE

PEDICULUS LINNAEUS, 1758

capitis De Geer, 1778

humanus Linnaeus, 1758

ISCHNOCERA

PHILOPTEROCERA

GONIODOIDEA

11. GONIODIDAE

CHELOPISTES KÉLER, 1937

meleagridis (Linnaeus, 1758)

Synonymy: *in* Philopteridae *in* Butler and O'Connor (1994).

COLOCERAS TASCHEMBERG, 1882

damicornis (Nitzsch, 1866)

Synonymy: *in* Philopteridae *in* Butler and O'Connor (1994).

GONIODES NITZSCH, 1818

pavonis (Linnaeus, 1758)

[*OULOCREPIS KÉLER, 1939*]

[*dissimilis* (Denny, 1842)]

Synonymy: *in* *Goniodes in* Butler and O'Connor (1994).

Footnote: the Irish status of the species

requires confirmation.

ZLOTORZYCKELLA EICHLER, 1981

colchici (Denny, 1842)

Synonymy: *in* *Goniodes in* Butler and O'Connor (1994).

PHILOPTEROIDEA

12. PHILOPTERIDAE

ANATICOLA CLAY, 1936

anseris (Linnaeus, 1758)

crassicornis (Scopoli, 1763)

[*mergiserrati* (De Geer, 1778)]

Footnote: the Irish status of the species requires confirmation.

tadornae (Denny, 1842)

[*ANATOECUS CUMMINGS, 1916*

SUBGENUS ANATOECUS

CUMMINGS, 1916]

[*cygni* (Denny, 1842)]

Footnote: the Irish status of the species requires confirmation.

[*icterodes* (Nitzsch, 1818)]

Footnote: the Irish status of the species requires confirmation.

AQUANIRMUS CLAY AND

MEINERTZHAGEN, 1939

colymbinus (Scopoli, 1763)

ARDEICOLA CLAY, 1936

ardeae (Linnaeus, 1758)

rhaphidius (Nitzsch *in* Giebel, 1866)

BRUEELIA KÉLER, 1936

[*iliaci* (Denny, 1842)]

Footnote: the Irish status of the species requires confirmation.

marginata (Burmeister, 1838)

nebulosa (Burmeister, 1838)

CARDUICEPS CLAY AND

MEINERTZHAGEN, 1939

cingulatus (Denny, 1842)

meinertzhageni Timmermann,
1954

scalaris (Piaget, 1880)

**CHADRACEPS ZLOTORZYCKA,
1967**

hiaticulae (O. Fabricius, 1780)

subspecies *boephilus* (Kellogg,
1896)

Synonymy: *in Degeeriella*

in Butler and O'Connor (1994). *D.*

boephila *in* Butler and O'Connor (1994).

subspecies *hiaticulae* (O.
Fabricius, 1780)

Synonymy: *in Cummingsiella*

in Butler and O'Connor (1994).

CINCLOECUS EICHLER, 1951

+*cincli* (Denny, 1842)

Synonymy: *in Philopterus* *in* Doyle,
O'Halloran and Smiddy (2004).

Footnote: recorded from Cos Cork and
Waterford by Doyle, O'Halloran and
Smiddy (2004).

COLUMBICOLA EWING, 1929

columbae (Linnaeus, 1758)

CORVONIRMUS EICHLER, 1944

varius (Burmeister, 1838)

Synonymy: *in Brueelia* *in* Butler and
O'Connor (1994).

**[CRASPEDORHYNCHUS KÉLER,
1938]**

[*aquilinus* (Denny, 1842)]

Footnote: the Irish status of the species
requires confirmation.

CUMMINGSIELLA EWING, 1930

ovalis (Scopoli, 1763)

**FULICOFFULA CLAY AND
MEINERTZHAGEN, 1938**

lurida (Nitzsch, 1818)

IBIDOECUS CUMMINGS, 1916

plataleae (Denny, 1842)

KELERINIRMUS EICHLER, 1940

fuscus (Denny, 1842)

Synonymy: *in Degeeriella*

in Butler and O'Connor (1994).

rufus (Burmeister, 1838)

Synonymy: *in Degeeriella*

in Butler and O'Connor (1994).

KOENIGINIRMUS EICHLER, 1940

normifer (Grube, 1851)

Synonymy: *in Cummingsiella*

in Butler and O'Connor (1994).

ornatus (Grube, 1851)

subspecies *striolatus* (Nitzsch *in*
Giebel, 1866)

Synonymy: *in Cummingsiella*

in Butler and O'Connor (1994). *C.*

striolatus (Nitzsch *in* Giebel) *in* Butler and
O'Connor (1994).

punctatus (Burmeister, 1838)

Synonymy: *in Cummingsiella*
in Butler and O'Connor (1994).

[*sellatus* (Burmeister, 1838)]

Synonymy: *in Cummingsiella*
in Butler and O'Connor (1994).

Footnote: the Irish status of the species
requires confirmation.

[LAGOPOECUS WATERSTON, 1922]

[*lyrurus* Clay, 1938]

Footnote: the Irish status of the species
requires confirmation.

LUNACEPS CLAY AND
MEINERTZHAGEN, 1939

actophilus (Kellogg and
Chapman, 1899)

holophaeus (Burmeister, 1838)

limosella Timmermann, 1954

numenii (Denny, 1842)

MEROPOECUS EICHLER, 1940

meropis (Denny, 1842)

MEROPSIELLA CONCI, 1941

apiastri (Denny, 1842)

Synonymy: *in Brueelia* Kéler, 1936
in Butler and O'Connor (1994).

MJOBERGINIRMUS EICHLER, 1944

alcae (Denny, 1842)

Synonymy: *in Cummingsiella*
in Butler and O'Connor (1994).

[ORNITHOBIUS DENNY, 1842]

[*cygni* (Linnaeus, 1758)]

Footnote: the Irish status of the species
requires confirmation.

PECTINOPYGUS MJÖBERG, 1910

bassani (O. Fabricius, 1780)

PERINEUS HARRISON, 1936

nigrolimbatus (Giebel, 1874)

PHILICHTHYOPHAGA HARRISON,
1935

[*brevicornis* (Denny, 1842)]

Synonymy: *in Pectinopygus* *in* Butler and
O'Connor (1994).

Footnote: the Irish status of the species
requires confirmation.

gyricornis (Denny, 1842)

Synonymy: *in Pectinopygus* *in* Butler and
O'Connor (1994).

PHILOPTERUS NITZSCH, 1818

atratus Nitzsch, 1818

chloridis (Schrank, 1776)

corvi (Linnaeus, 1758)

+*fringillae* (Scopoli, 1772)

subspecies *fringillae* (Scopoli,
1772)

Footnote: recorded from Co. Dublin by
O'Connor (2005b).

garruli Boisduvale and

Lacordaire, 1835

guttatus Denny, 1842

+*modularis* (Denny, 1842)

Footnote: recorded from Co. Dublin by
O'Connor (2008b).

picae (Denny, 1842)

rubeculae (Denny, 1842)

turdi (Denny, 1842)

subspecies *merulae* (Denny, 1842)

Synonymy: *Philopterus merulae* (Denny)
in Butler and O'Connor (1994).

[PICOPHILOPTERUS ANSARI, 1947]

[*serrilimbus* (Burmeister, 1838)]

Synonymy: *in Penenirmus* Clay and Meinertzhagen 1938 *in* Butler and O'Connor (1994).

Footnote: the Irish status of the species requires confirmation.

QUADRACEPS CLAY AND MEINERTZHAGEN, 1939

***auratus* (Haan, 1829)**

Synonymy: *in Cummingsiella* *in* Butler and O'Connor (1994).

***charadrii* (Linnaeus, 1758)**

subspecies *charadrii* (Linnaeus, 1758)

Synonymy: *in Cummingsiella* *in* Butler and O'Connor (1994).

subspecies *hospes* (Nitzsch *in* Giebel, 1866)

Synonymy: *Cummingsiella hospes* (Nitzsch *in* Giebel) *in* Butler and O'Connor (1994).

***conformis* (Blagoveshtchensky, 1940)**

Synonymy: *in Cummingsiella* *in* Butler and O'Connor (1994).

[*fissus* (Burmeister, 1838)]

Synonymy: *in Cummingsiella* *in* Butler and O'Connor (1994).

Footnote: the Irish status of the species requires confirmation.

***junceus* (Scopoli, 1763)**

Synonymy: *in Cummingsiella* *in* Butler and O'Connor (1994).

[*obscurus* (Burmeister, 1838)]

Synonymy: *in Cummingsiella* *in* Butler and O'Connor (1994).

Footnote: the Irish status of the species requires confirmation.

***similis* (Giebel, 1866)**

Synonymy: *in Cummingsiella* *in* Butler and O'Connor (1994).

***strepsilaris* (Denny, 1842)**

Synonymy: *in Cummingsiella* *in* Butler and O'Connor (1994).

[RALLICOLA JOHNSON AND HARRISON, 1911]

[*ortygometrae* (Schrank, 1781)]

Footnote: the Irish status of the species requires confirmation.

SAEMUNDSSONIA TIMMERMANN, 1935

***celidoxa* (Burmeister, 1838)**

***euryrhyncha* (Giebel, 1874)**

***haematopi* (Linnaeus, 1758)**

***lari* (O. Fabricius, 1780)**

***limosae* (Denny, 1842)**

***merguli* (Denny, 1842)**

***platygaster* (Denny, 1842)**

[*tringae* (O. Fabricius, 1780)]

Footnote: the Irish status of the species requires confirmation.

***scolopacisphaeopodis* (Schrank, 1803)**

subspecies *humeralis* (Denny, 1842)

Synonymy: *Saemundssonina humeralis* (Denny) *in* Butler and O'Connor (1994).

**SCOLOPACEPS EICHLER AND
ZLOTORZYCKA, 1964**

aureus (Hopkins, 1949)

Synonymy: *in Cummingsiella* in Butler and O'Connor (1994).

**[STRIGIPHILUS MJÖBERG, 1910
SUBGENUS EUSTRIGIPHILUS
EWING, 1926]**

[*ceblebrachys* (Denny, 1842)]

Footnote: the Irish status of the species requires confirmation.

TYTONIELLA EICHLER, 1939

rostrata (Burmeister, 1838)

Synonymy: *in Strigiphilus* in Butler and O'Connor (1994).

STURNIDOECUS EICHLER, 1944

[*pastoris* (Denny, 1842)]

Footnote: the Irish status of the species requires confirmation.

sturni (Schrank, 1776)

TRABECULUS RUDOW, 1866

aviator (Evans, 1912)

TRICHODECTOCERA

TRICHODECTOIDEA

13. BOVICOLIIDAE

BOVICOLA EWING, 1929

Synonymy: *Bovicola* was placed in the Trichodectidae in Butler and O'Connor (1994)

SUBGENUS BOVICOLA EWING, 1929

bovis (Linnaeus, 1758)

concaivfrons (Hopkins, 1960)

limbatus (Gervais, 1844)

longicornis (Nitzsch, 1818)

ovis (Schrank, 1781)

tibialis (Piaget, 1880)

DAMALINIA MJÖBERG, 1910

Synonymy: *Damalinia* was placed in the Trichodectidae in Butler and O'Connor (1994)

**SUBGENUS CERVICOLA KÉLER,
1938**

meyeri (Taschenberg, 1882)

WERNECKIELLA EICHLER, 1940

ocellata (Piaget, 1880)

Synonymy: *Werneckiella* was placed in the Trichodectidae in Butler and O'Connor (1994).

14. TRICHODECTIDAE

FELICOLA EWING, 1929

SUBGENUS SURICATOECUS

BEDFORD, 1932

vulpis (Denny, 1842)

LUTRIDIA KÉLER, 1938

exilis (Nitzsch in Giebel, 1861)

TRICHODECTES NITZSCH, 1818

**SUBGENUS STACHIELLA, KÉLER
1938**

ermineae (Hopkins, 1941)

SUBGENUS TRICHODECTES

NITZSCH, 1818

canis (De Geer, 1778)

melis (J. C. Fabricius, 1805)

PLECOPTERA

The Irish stoneflies (Plecoptera) were reviewed by Costello (1988) and listed by Ashe, O'Connor and Murray (1998). The immature stages (nymphs) are aquatic and primarily vegetarians. However some of the larger species are carnivorous. The adults are short-lived after their emergence from the water. They are often observed crawling about on stones. [For distribution, life-histories and ecology, see Feeley, Baars and Kelly-Quinn (2016)]

ARCTOPERLARIA

NEMOUROIDEA

1. CAPNIIDAE

CAPNIINAE

CAPNIA PICTET, 1841

atra Morton, 1896

bifrons (Newman, 1839)

Synonymy: *Capnia nigra*: auctt. nec.

(Pictet, 1833).

2. LEUCTRIDAE

LEUCTRINAE

LEUCTRA STEPHENS, 1836

fusca (Linnaeus, 1758)

Synonymy: *Leucta klapálecki* Kempny, 1899 in King and Halbert (1910); *Leuctra fusciventris* Stephens, 1836 in Harris (1952).

hippopus Kempny, 1899

inermis Kempny, 1899

[*moselyi* Morton, 1929]

Footnote: reported by Anon. (1966) but its Irish status requires confirmation.

+*nigra* (Olivier, 1811)

Footnote: adults of *Leuctra nigra* were recorded from Co. Cavan by O'Connor and Costello (1997).

3. NEMOURIDAE

AMPHINEMURINAE

AMPHINEMURA RIS, 1902

sulcicollis (Stephens, 1836)

PROTONEMURA KEMPNY, 1898

meyeri (Pictet, 1841)

Synonymy: *in Nemoura* in King and Halbert (1910).

[*montana* Kimmins, 1941]

Footnote: reported by Spence and West (1964) but its Irish status requires confirmation.

praecox (Morton, 1894)

Synonymy: *in Nemoura* in King and Halbert (1910).

NEMOURINAE

NEMOURA LATREILLE, 1796

avicularis Morton, 1894

[*cambrica* Stephens, 1836]

Footnote: reported by Rogers (1966) and Fahy (1974) but its Irish status requires confirmation.

cinerea (Retzius, 1783)

Synonymy: *Nemoura variegata* Olivier, 1811 in King and Halbert (1910) and in Harris (1952).

[*erratica* Claassen, 1936]

Footnote: reported by Fahy (1974) but its

Irish status requires confirmation.

NEMURELLA KEMPNY, 1898

***pictetii* Klapálek, 1900**

Synonymy: *Nemoura inconspicua* Pictet, 1836 [nomen dubium] in King and Halbert, 1910).

4. TAENIOPTERYGIDAE

BRACHYPTERAINAE

BRACHYPTERA NEWPORT, 1849

***risi* (Morton, 1896)**

Synonymy: in *Taeniopteryx* in King and Halbert (1910).

[TAENIOPTERYGINAE]

[TAENIOPTERYX PICTET, 1841]

***nebulosa* (Linnaeus, 1758)]**

Footnote: A. H. Haliday's record cited in King and Halbert (1910) requires confirmation.

PERLOIDEA

5. CHLOROPERLIDAE

CHLOROPERLINAE

CHLOROPERLA NEWMAN, 1836

***tripunctata* (Scopoli, 1763)**

Synonymy: in *Isopteryx* in King and Halbert (1910).

SIPHONOPERLA ZWICK, 1967

***torrentium* (Pictet, 1841)**

Synonymy: in *Isopteryx* in King and Halbert (1910); in *Chloroperla* in Harris (1952).

6. PERLIDAE

PERLINAE

DINOCRAS KLAPÁLEK, 1907

***cephalotes* (Curtis, 1827)**

Synonymy: in *Perla* in King and Halbert (1910) and in Harris (1952).

PERLA GEOFFROY, 1762

***bipunctata* Pictet, 1833**

Synonymy: *Perla maxima* auctt. nec (Scopoli, 1763) in King and Halbert (1910); *Perla carlukiana* (Klapálek, 1907) in Harris (1952).

7. PERLODIDAE

ISOPERLINAE

ISOPERLA BANKS, 1906

***grammatica* (Poda, 1761)**

Synonymy: in *Chloroperla* in King and Halbert (1910).

PERLODINAE

DIURA BILLBERG, 1820

***bicaudata* (Linnaeus, 1758)**

Synonymy: *Dictyopteryx* (*Dictyopterygella*) *recta* Kempny, 1901 in King and Halbert (1910); *Dictyopterygella recta* in Harris (1952).

PERLODES BANKS, 1903

***microcephalus* (Pictet, 1833)**

Synonymy: *Dictyopteryx mortoni* (Klapálek, 1906) in King and Halbert (1910).

PSOCOPTERA

The Irish Psocoptera were listed by Smithers, O'Connor and Peters (2000). Commonly known as booklice, barklice or barkflies, they are small, scavenging insects feeding primarily on fungi, algae, lichens and organic detritus.

TROGIOMORPHA

ATROPETAE

1 LEPIDOPSOCLIDAE

ECHINOPSOCLINAE

PTEROXANIUM ENDERLEIN, 1922

kelloggi (Ribaga, 1905)

2. TROGIIDAE

CEROBASIS KOLBE, 1882

guestfalica (Kolbe, 1880)

Synonymy: *in Hyperetes* in King and Halbert (1910).

LEPINOTUS HEYDEN, 1850

[*inquilinus* Heyden, 1850]

Synonymy: Fahy (1970) considers that this species was confused with *Lepinotus patruelis* Pearman, 1931.

Footnote: recorded *in* King and Halbert (1910).

patruelis Pearman, 1931

TROGIUM ILLIGER, 1798

pulsatorium (Linnaeus, 1758)

Synonymy: *in Atropos* in King and Halbert (1910).

PSOCATHROPETAE

3. PSYLLIPSOCIDAE

DORYPTERYX AARON, 1883

domestica (Smithers, 1958)

+longipennis Smithers, 1991

Footnote: recorded from Co. Dublin by O'Connor and Vaucheret (2006).

PSYLLIPSOCUS SELYS-

LONGCHAMPS, 1872

ramburii Selys-Longchamps, 1872

TROCTOMORPHA

NANOPSOCLIDAE

4. LIPOSCELIDIDAE

LIPOSCELIDINAE

LIPOSCELIS MOTSCHULSKY, 1852

bostrychophila Badonnel, 1931

corrodens (Heymons, 1909)

Synonymy: *Liposcelis subfuscus* Broadhead, 1947 *in* Fahy (1970) and *in* Smithers (1978).

[*divinatoria* (Mueller, 1776)]

Synonymy: *in Troctes* in King and Halbert (1910). Fahy (1970) recommended that *Liposcelis divinatorius* should be deleted from the Irish list. Many species of *Liposcelis* in the past have been identified under the name '*Liposcelis divinatorius* Mueller', and (in the absence of any type material), it is impossible to state to which entity this name should properly be applied (New, 2005).

5. SPHAEROPSOCIDAE

BADONNELIA PEARMAN, 1953

titei Pearman, 1953

PSOCOMORPHA

CAECILIUSETAE

CAECILIUSOIDEA

6. CAECILIUSIDAE

CAECILIUSINAE

CAECILIUSINI

CAECILIUS CURTIS, 1837

fuscopterus (Latreille, 1799)

CORYPHACINI

VALENZUELA NAVÁS, 1924

Synonymy: *Caecilius* in Smithers,
O'Connor and Peters (2000).

burmeisteri (Brauer, 1876)

Synonymy: *in Caecilius* in King and
Halbert (1910) and *in Smithers*, O'Connor
and Peters (2000).

corsicus (Kolbe, 1882)

Synonymy: *Caecilius rhenanus* Tetens,
1891 *in Smithers*, O'Connor and Peters
(2000).

flavidus (Stephens, 1836)

Synonymy: *in Caecilius* in King and
Halbert (1910) and *in Smithers*, O'Connor
and Peters (2000).

piceus (Kolbe, 1882)

Synonymy: *in Caecilius* in Fahy (1970)
and *in Smithers*, O'Connor and Peters
(2000).

EPICAECILIINI

EPICAECILIUS MOCKFORD, 2000

pilipennis (Lienhard, 1996)

Footnote: recorded from Cos Fermanagh
and Londonderry by Alexander and Saville
(2009).

PARACAECILIINAE

ENDERLEINELLA BADONNEL, 1932

obsoleta (Stephens, 1836)

Synonymy: *in Caecilius* in King and
Halbert (1910); *Caecilius perlatus* Kolbe,
1880 *in King* and Halbert (1910).

7. STENOPSOCIDAE

GRAPHOPSOCUS KOLBE, 1880

cruciatus (Linnaeus, 1768)

STENOPSOCUS HAGEN, 1866

immaculatus (Stephens, 1836)

EIPSOCETAE

8. EIPSOCIDAE

BERTKAUIA KOLBE, 1882

Synonymy: *Epipsocus* auctt *in Smithers*,
O'Connor and Peters (2000).

lucifuga (Rambur, 1842)

Synonymy: *in Epipsocus* in Smithers,
O'Connor and Peters (2000).

HOMIOPSOCIDEA

9. ECTOPSOCIDAE

ECTOPSOCUS MCLACHLAN, 1899

axillaris (Smithers, 1969)

briggsi McLachlan, 1899

meridionalis Ribaga, 1904

petersi Smithers, 1978

10. ELIPSOCIDAE

ELIPSOCINAE

CUNEOPALPUS BADONNEL, 1943

cyanops (Rostock, 1876)

Synonymy: *in Elipsocus* in King and Halbert (1910).

ELIPSOCUS HAGEN, 1866

abdominalis Reuter, 1904

hyalinus (Stephens, 1836)

Synonymy: *Elipsocus abietis* Kolbe, 1880 in King and Halbert (1910).

+*moebiusi* Tetens, 1891

Footnote: recorded from Cos Antrim, Fermanagh and Londonderry by Alexander and Saville (2009).

nuptialis Roesler, 1954

pumilis (Hagen, 1861)

Synonymy: *Elipsocus westwoodi* McLachlan, 1867 in King and Halbert (1910) and *in* Smithers, O'Connor and Peters (2000).

PSEUDOPSOCINAE

PSEUDOPSOCUS KOLBE, 1882

+*rostocki* Kolbe, 1882

Footnote: recorded from Co. Fermanagh by Alexander and Saville (2009).

REUTERELLA ENDERLEIN, 1903

helvimacula (Enderlein, 1901)

11. LACHESILLIDAE

LACHESILLINAE

LACHESILLA WESTWOOD, 1840

pedicularia (Linnaeus, 1758)

Synonymy: *in Pterodela* in King and Halbert (1910).

12. MESOPSOCIDAE

MESOPSOCUS KOLBE, 1880

immunis (Stephens, 1836)

unipunctatus (Müller, 1764)

13. PERIPSOCIDAE

PERIPSOCUS HAGEN, 1866

alboguttatus (Dalman, 1823)

didymus Roesler, 1939

+*milleri* (Tillyard, 1923)

Footnote: recorded from Cos Antrim and Tyrone by Alexander and Saville (2009).

phaeopterus (Stephens, 1836)

subfasciatus (Rambur, 1842)

Synonymy: *Peripsocus subpupillatus* McLachan in King and Halbert (1910).

14. PHILOTARSIDAE

PHILOTARSINAE

PHILOTARSUS KOLBE, 1880

+*parviceps* Roesler, 1954

Footnote: recorded from Cos Antrim, Down, Fermanagh, Londonderry and Tyrone by Alexander and Saville (2009).

picicornis (Fabricius, 1793)

Synonymy: *Philotarsus flaviceps* (Stephens) in King and Halbert (1910). All Irish records require re-examination as *P. picicornis* may have been confused with *P.*

parviceps in the past (Alexander and Saville, 2009).

15. TRICHOPSOCIDAE

TRICHOPSOCUS KOLBE, 1882

***clarus* (Banks, 1908)**

Synonymy: *Trichopsocus acuminatus* Badonnel, 1943 in Fahy (1970) and Smithers, O'Connor and Peters (2000).

[*dalii* (McLachlan, 1867)]

Synonymy: *Trichopsocus dalei* (McLachlan) in King and Halbert (1910). Fahy (1970) indicated that this species was confused with *T. acuminatus* (now *clarus*).

PSOCETAE

16. PSOCIDAE

AMPHIGERONTIINAE

AMPHIGERONTIA KOLBE, 1880

***bifasciata* (Latreille, 1799)**

Synonymy: *Amphigerontia fasciata* (Latreille) (sic) in King and Halbert (1910).

***contaminata* (Stephens, 1836)**

BLASTE KOLBE, 1883

SUBGENUS *EUCLISMIA*,

ENDERLEIN 1925

***quadrimaculata* (Latreille, 1794)**

PSOCINAE

CERASTIPSOCINI

PSOCOCERASTIS PEARMAN, 1932

***gibbosa* (Sulzer, 1776)**

Synonymy: *Psocus longicornis* (Fabricius)

in King and Halbert (1910).

METYLOPHORINI

METYLOPHORUS PEARMAN, 1932

***nebulosus* (Stephens, 1836)**

Synonymy: *in Psocus* in King and Halbert (1910).

PTYCTINI

ATLANTOPSOCUS BADONNEL, 1944

+*adustus* (Hagen, 1865)

Footnote: recorded from Cos Antrim, Down, Fermanagh and Tyrone by Alexander and Saville (2009).

***personatus* (Hagen, 1865)**

Synonymy: the Irish *A. personatus* may be a misidentification. They may instead be *A. adustus*. All voucher material needs to be checked to clarify the Irish status of *A. personatus* (Alexander and Saville, 2009).

subspecies *hibernicus* Fahy, 1967

LOENSIA ENDERLEIN, 1924

***fasciata* (Fabricius, 1787)**

***variegata* (Latreille, 1799)**

TRICHADENOTE CNUM ENDERLEIN, 1909

***majus* (Kolbe, 1880)**

Synonymy: *Psocus major* Kolbe in King and Halbert (1910).

***sexpunctatum* (Linnaeus, 1758)**

Synonymy: *in Psocus* in King and Halbert (1910).

Footnote: recorded from Cos Down, Londonderry and Tyrone as new to Ireland by Alexander and Saville (2009).

SIPHONAPTERA

A comprehensive account of the Irish fleas (Siphonaptera) was given by Whitaker (2007). The adults are blood-sucking, feeding on birds and mammals including humans. By contrast, the larvae feed on detritus in the nests or homes of their hosts.

PULICOIDEA

1. PULICIDAE

PULICINI

***PULEX* LINNAEUS, 1758**

SUBGENUS *PULEX* LINNAEUS, 1758

irritans Linnaeus, 1758

{*ECHIDNOPHAGA* OLLIFF, 1886}

{*gallinacea* (Westwood, 1875)}

Footnote: only found on a dog (*Canis familiaris*) which was held in quarantine (Smiddy and Sleeman, 1993).

ARCHAEOPSYLLINAE

ARCHAEOPSYLLINI

***ARCHAEOPSYLLA* DAMPF, 1908**

erinacei (Bouché, 1835)

subspecies *erinacei* (Bouché, 1835)

Footnote: only one of the two European subspecies have been found in Ireland.

***CTENOCEPHALIDES* STILES AND**

COLLINS, 1930

canis (Curtis, 1826)

felis (Bouché, 1835)

subspecies *felis* (Bouché, 1835)

SPILOPSYLLINAE

SPILOPSYLLINI

***SPILOPSYLLUS* BAKER, 1905**

cuniculi (Dale, 1878)

***ORNITHOPSYLLA* ROTHSCILD, 1908**

laetitiae Rothschild, 1908

XENOPSYLLINAE

XENOPSYLLINI

***XENOPSYLLA* GLINKIEWICZ, 1907**

cheopis (Rothschild, 1903)

Note: *Xenopsylla cheopis*, the well-known vector of bubonic plague, cannot maintain itself outdoors in the British Isles (Whitaker, 2007).

CERATOPHYLLOIDEA

LEPTOPSYLLINAE

LEPTOPSYLLINI

***LEPTOPSYLLA* JORDAN AND**

ROTHSCILD, 1911

SUBGENUS *LEPTOPSYLLA* JORDAN AND ROTHSCILD, 1911

segnis (Schönherr, 1811)

AMPHIPSYLLINAE

AMPHIPSYLLINI

***FRONTOPSYLLA* WAGNER AND**

IOFF, 1926

SUBGENUS *ORFRONTIA* IOFF, 1946

laeta (Jordan and Rothschild,

1920)

2. ISCHNOPSYLLIDAE

ISCHNOPSYLLINAE

ISCHNOPSYLLI

ISCHNOPSYLLUS WESTWOOD, 1833

SUBGENUS ISCHNOPSYLLUS

WESTWOOD, 1833

elongatus (Curtis, 1832)

intermedius (Rothschild, 1898)

octactenus (Kolenati, 1856)

simplex Rothschild, 1906

subspecies *simplex* Rothschild,
1906

SUBGENUS HEXACTENOPSYLLA

OUDEMANS, 1909

hexactenus (Kolenati, 1856)

NYCTERIDOPSYLLINI

NYCTERIDOPSYLLA OUDEMANS,

1906

longiceps Rothschild, 1908

3. CERATOPHYLLIDAE

CERATOPHYLLINAE

CERATOPHYLLUS CURTIS, 1832

SUBGENUS CERATOPHYLLUS

CURTIS, 1832

farreni Rothschild, 1905

subspecies *farreni* Rothschild,
1905

gallinae (Schrank, 1803)

hirundinis (Curtis, 1826)

rusticus Wagner, 1903

styx Rothschild, 1909

subspecies *jordani* Smit, 1955

subspecies *styx* Rothschild, 1909

Footnote: only two of the three European
subspecies have been recorded from
Ireland.

vagabundus (Boheman, 1866)

subspecies *insularis* Rothschild,
1906

Footnote; only one of the three European
subspecies have been recorded from
Ireland.

SUBGENUS EMMAREUS SMIT, 1983

borealis Rothschild, 1907

chasteli Beaucournu, Monnat
and Launay, 1982

columbae (Gervais, 1844)

garei Rothschild, 1902

SUBGENUS MONOPSYLLUS

KOLENATI, 1857

sciurorum (Schrank, 1803)

subspecies *sciurorum* (Schrank,
1803)

AMALARAEUS IOFF, 1936

penicilliger (Grube, 1851)

subspecies *mustelae* (Dale, 1878)

Footnote: only one of the five European
subspecies have been recorded from
Ireland.

CALLOPSYLLA WAGNER, 1934

**SUBGENUS ORNEACUS JORDON,
1925**

waterstoni (Jordon, 1925)

DASYPSYLLUS BAKER, 1905

SUBGENUS DASYPSYLLUS BAKER,

1905

gallinulae (Dale, 1878)

subspecies *gallinulae* (Dale, 1878)

NOSOPSYLLUS JORDAN, 1933

**SUBGENUS NOSOPSYLLUS JORDAN,
1933**

fasciatus (Bosc, 1800)

ORCHOPEAS JORDAN, 1933

howardi (Baker, 1895)

subspecies *howardi* (Baker, 1895)

PARACERAS WAGNERI, 1914

melis (Walker, 1856)

subspecies *melis* (Walker, 1856)

HYSTRICHOPSYLLOIDEA

4. HYSTRICHOPSYLLIDAE

HYSTRICHOPSYLLINAE

HYSTRICHOPSYLLINI

HYSTRICHOPSYLLA

TASCHENBERG, 1880

talpae (Curtis, 1826)

subspecies *talpae* (Curtis, 1826)

Footnote: only one of the five European
subspecies have been recorded from
Ireland.

***TYPHLOCERAS* WAGNER, 1903**

poppei Wagner, 1903

subspecies *poppei* Wagner, 1903

5. CTENOPHTHALMIDAE

CTENOPHTHALMINAE

CTENOPHTHALMINI

***CTENOPHTHALMUS* KOLENATI,
1856**

SUBGENUS *CTENOPHTHALMUS*

KOLENATI, 1856

nobilis (Rothschild, 1898)

subspecies *nobilis* (Rothschild,
1898)

subspecies *vulgaris* Smit, 1955

Footnote: only two of the three European
subspecies have been recorded from
Ireland.

***PALAEOPSYLLA* WAGNER, 1903**

soricis (Dale, 1878)

subspecies *soricis* (Dale, 1878)

Footnote: only one of the six European
subspecies have been recorded from
Ireland.

DORATOPSYLLINAE

DORATOPSYLLINI

***DORATOPSYLLA* JORDAN AND
ROTHSCHILD, 1912**

dasyncnema (Rothschild, 1897)

subspecies *dasyncnema*
(Rothschild, 1897)

Footnote: only one of the three European
subspecies have been recorded from
Ireland.

RHADINOPSYLLINAE

RHADINOPSYLLINI

***RHADINOPSYLLA* JORDAN AND
ROTHSCHILD, 1912**

**SUBGENUS *ACTENOPHTHALMUS* C.
FOX, 1925**

pentacantha (Rothschild, 1897)

STREPSIPTERA

Johnson and Halbert (1902) listed the then known Strepsiptera under the name Stylopidae. Only one species was recorded. The early stages are parasitoids of mainly bees (Hymenoptera) and plant hoppers (Hemiptera). The adult males are winged with the hind wings larger than the front ones. In all the Irish species, the females are grub-like and remain parasitic throughout their lives.

STYLOPIDIA

1. ELENCHIDAE

ELENCHUS CURTIS, 1831

tenuicornis (Kirby, 1815)

Footnote: a modern record from Co.

Dublin is given by O'Connor (1990).

2. STYLOPIDAE

STYLOPINAЕ

HALICTOXENOS PIERCE, 1908

+*spencei* Nasonow, 1893

Footnote: recorded from Co. Dublin by Ronayne and O'Connor (2006).

+*tumulorum* Perkins, 1918

Footnote: recorded from Co. Dublin by Ronayne and O'Connor (2006).

STYLOPS KIRBY, 1802

+*melittae* Kirby, 1802

Footnote: recorded from Cos Dublin, Kerry, Wexford and Wicklow by O'Connor and Ronayne (2007).

THYSANOPTERA

The Irish thrips (Thysanoptera) were listed by O'Connor (2008a). Also called thunderflies, they feed on a large variety of food sources, both plant and animal, by puncturing them and sucking up the contents. A large number of thrips species are considered pests, because they attack commercial plants. The adults have fringed wings. [see also Thysanoptera Britannica et Hibernica Thrips of the British Isles <https://keys.lucidcentral.org/keys/v3/british_thrips/>]

TEREBRANTIA

1. THRIPIDAE

ANAPHOTHRIPS UZEL, 1895

obscurus (Müller, 1776)

APTINOTHRIPS HALIDAY, 1836

rufus Haliday, 1836

Synonymy: *Aptinothrips nitidulus* Haliday, 1836.

stylifer Trybom, 1894

AURANTOTHRIPS BHATTI, 1978

orchidaceus (Bagnall, 1909)

BALIOTHRIPS UZEL, 1895

dispar (Haliday, 1836)

BELOTHRIPS HALIDAY, 1836

acuminatus Haliday, 1836

CERATOTHRIPS O. M. REUTER, 1896

ericae (Haliday, 1836)

CHIROTHRIPS HALIDAY, 1836

manicatus Haliday, 1836

ECHINOTHRIPS MOULTON, 1911

americanus Morgan, 1913

FRANKLINIELLA KARNY, 1910

occidentalis (Pergande, 1895)

HELIOTHRIPS HALIDAY, 1836
haemorrhoidalis (Bouché, 1833)

KAKOTHRIPS WILLIAMS, 1914
pisivorus (Westwood, 1880)

Synonymy: *Kakothrips robustus* (Uzel, 1895).

LIMOTHRIPS HALIDAY, 1836
cerealium Haliday, 1836
denticornis Haliday, 1836

**ODONTOTHRIPS AMYOT AND
SERVILLE, 1843**
loti (Haliday, 1852)
phaleratus (Haliday, 1836)
ulicis (Haliday, 1836)

OXYTHRIPS UZEL, 1895
ajugae Uzel, 1895
halidayi Bagnall, 1924
ulmifoliorum (Haliday, 1836)

SERICOTHRIPS HALIDAY, 1836
staphylinus Haliday, 1836

**TAENIOTHRIPS AMYOT AND
SERVILLE, 1843**

picipes (Zetterstedt, 1828)

THRIPS LINNAEUS, 1758
atratus Haliday, 1836
brevicornis Priesner, 1920
corymbiferarum Haliday, 1836
discolor Haliday, 1836
flavus Schrank, 1776
fuscipennis Haliday, 1836
major Uzel, 1895
physapus Linnaeus, 1758

tabaci Lindeman, 1889
validus Uzel, 1895
vulgatissimus Haliday, 1836

TUBULIFERA

2. PHLAEOTHRIPIDAE

IDOLOTHRIPINAE

BOLOTHRIPS PRIESNER, 1926
dentipes (O. M. Reuter, 1880)

PHLAEOTHRIPINAE

**HAPLOTHRIPS AMYOT AND
SERVILLE, 1843**

hukkineni Priesner, 1939
juncorum Bagnall, 1913
morisoni Priesner, 1928

Synonymy: *Haplothrips statices morisoni*.

[*senecionis* Bagnall, 1932]

Footnote: the species has not been definitely reported from Ireland.

[*setiger* Priesner, 1921]

Footnote: the species has not been definitely reported from Ireland.

statices (Haliday, 1836)
subspecies *statices* (Haliday, 1836)

**HOPLOTHRIPS AMYOT AND
SERVILLE, 1843**

pedicularius (Haliday, 1836)

PHLAEOTHRIPS HALIDAY, 1836
annulipes O. M. Reuter, 1880

TRICHOPTERA

The Irish caddisflies (Trichoptera) were listed by O'Connor (1987) who also provided information on distributions. This list was updated by Ashe, O'Connor and Murray (1998). Nomenclature follows Malicky (2005), Malicky and Barnard (2009), and Barnard and Ross (2012). Additions since King and Halbert (1910) are noted. The adults are popularly known as sedges or rails. The immature stages of the Irish species are aquatic, occurring in a wide variety of habitats such as streams, rivers, lakes, ponds, spring seeps and temporary waters. Larvae can be carnivores, herbivores or omnivores. The larvae are either free-living or construct cases in which they live. Some of the former species spin nets. After pupation, the adults emerge and often can be seen flying over water in large numbers. [The Irish checklist is revised in O'Connor (2015) A catalogue and atlas of the caddisflies (Trichoptera) of Ireland. This work also contains detailed information on distributions, ecology and flight-periods.]

ANNULIPALPIA

HYDROPSYCHOIDEA

1. ECNOMIDAE

ECNOMUS MCLACHLAN, 1864*tenellus* (Rambur, 1842)

2. HYDROPSYCHIDAE

DIPLECTRONINAE

DIPLECTRONA WESTWOOD, 1840*felix* McLachlan, 1878

HYDROPSYCHINAE

CHEUMATOPSYCHE

WALLENGREN, 1891

lepida (Pictet, 1834)

Synonymy: *in Hydropsyche* in King and Halbert (1910).

HYDROPSYCHE PICTET, 1834*angustipennis* (Curtis, 1834)*+contubernalis* McLachlan, 1865

Synonymy: *Hydropsyche ornatula* auctt. nec McLachlan.

Footnote: recorded from Co. Dublin by

Beirne and Harris (1946) as

Hydropsyche ornatula.

+fulvipes Curtis, 1834

Footnote: recorded from Co. Cork by O'Connor (2010).

[guttata Pictet, 1834]

Footnote: misidentification *in* King and Halbert (1910).

+instabilis (Curtis, 1834)

Footnote: the records *in* King and Halbert (1910) are misidentifications and should refer to *Hydropsyche siltalai* Döhler, 1963. The true *H. instabilis* was subsequently discovered in Cos Dublin and Wicklow (O'Connor and Bracken, 1978).

pellucidula (Curtis, 1834)*+saxonica* McLachlan, 1884

Footnote: recorded from Co. Cork by O'Connor (2010).

+siltalai Döhler, 1963

Footnote: the records of *Hydropsyche instabilis* *in* King and Halbert (1910) are misidentifications and refer to *H. siltalai* Döhler, 1963 (O'Connor and Bracken, 1978).

3. POLYCENTROPODIDAE

CYRNUM STEPHENS, 1836

flavidus McLachlan, 1864

+*insolutus* McLachlan, 1878

Footnote: recorded from Co. Clare by O'Connor (1977).

trimaculatus (Curtis, 1834)

HOLOCENTROPUS MCLACHLAN, 1878

dubius (Rambur, 1842)

picicornis (Stephens, 1836)

[*stagnalis* (Albarda, 1874)]

Footnote: misidentification in King and Halbert (1910).

NEURECLIPSIS MCLACHLAN, 1864

bimaculata (Linnaeus, 1758)

PLECTROCNEMIA STEPHENS, 1836

consersa (Curtis, 1834)

geniculata McLachlan, 1871

POLYCENTROPUS CURTIS, 1835

flavomaculatus (Pictet, 1834)

irroratus (Curtis, 1835)

Synonymy: *Polycentropus multiguttatus* auctt. nec Curtis, 1835 in King and Halbert (1910).

kingi McLachlan, 1881

4. PSYCHOMYIIDAE

LYPE MCLACHLAN, 1878

phaeopa (Stephens, 1836)

+*reducta* (Hagen, 1868)

Footnote: larvae recorded from Co. Kerry by Edington and Alderson (1973).

Subsequently, an adult was trapped at the

larval site (O'Connor, 1978a).

PSYCHOMYIA LATREILLE, 1829

fragilis (Pictet, 1834)

Synonymy: *in Lype* in King and Halbert (1910); *in Metalype* in O'Connor (1987) and *in Ashe*, O'Connor and Murray (1998).

pusilla (Fabricius, 1781)

TINODES LEACH, 1815

[*assimilis* McLachlan, 1865]

Footnote: the larvae were reported from wet rock in Co. Waterford by Hickin (1952). Dried out larvae preserved in the Natural History Museum, London, have been examined by the senior author. Although these appear to be *T. assimilis*, the record is considered doubtful until adult material has been obtained. To-date, all adults collected in similar habitats have proved to be *T. maclachlani*.

+*dives* (Pictet, 1834)

Footnote: recorded from Co. Sligo by O'Connor and Good (1984).

maclachlani Kimmins, 1966

Synonymy: *Tinodes aureola* auctt., nec Zetterstedt. *Tinodes aureola* (Zetterstedt) in King and Halbert (1910).

maculicornis (Pictet, 1834)

unicolor (Pictet, 1834)

waeneri (Linnaeus, 1758)

PHILOPOTAMOIDEA

5. PHILOPOTAMIDAE

CHIMARRINAE

CHIMARRA STEPHENS, 1829

marginata (Linnaeus, 1761)

Synonymy: *Chimarrha* (misspelling) in King and Halbert (1910).

PHILOPOTAMINAE

PHILOPOTAMUS STEPHENS, 1829

montanus (Donovan, 1813)

subspecies *montanus* (Donovan, 1813)

subspecies *scoticus* McLachlan, 1862

Footnote: the status of *Philopotamus scoticus* is uncertain as some authorities consider the taxon to be a variety while others as a subspecies. The genitalia are the same as the typical form. The Killarney, Co. Kerry, population was first discovered in the eighteen hundreds and is still extant. The adults have the wings with golden streaks rather than the usual variegation.

WORMALDIA MCLACHLAN, 1865

mediana McLachlan, 1878

occipitalis (Pictet, 1834)

subnigra McLachlan, 1865

INTEGRIPALPIA

LEPTOCEROIDEA

6. LEPTOCERIDAE

ADICELLA MCLACHLAN, 1877

reducta (McLachlan, 1865)

ATHRIPSOIDES BILLBERG, 1820

albifrons (Linnaeus, 1758)

Synonymy: *in Leptocerus* in King and Halbert (1910).

aterrimus (Stephens, 1836)

Synonymy: *in Leptocerus* in King and Halbert (1910).

bilineatus (Linnaeus, 1758)

Synonymy: *in Leptocerus* in King and Halbert (1910).

cinereus (Curtis, 1834)

Synonymy: *in Leptocerus* in King and Halbert (1910).

commutatus (Rostock, 1874)

Synonymy: *in Leptocerus* in King and Halbert (1910).

CERACLEA STEPHENS, 1829

albimacula (Rambur, 1842)

Synonymy: *Leptocerus alboguttatus* Hagen, 1860 *in* King and Halbert (1910), also spelt as *albo-guttatus*.

annulicornis (Stephens, 1836)

Synonymy: *in Leptocerus* in King and Halbert (1910).

dissimilis (Stephens, 1836)

Synonymy: *in Leptocerus* in King and Halbert (1910).

fulva (Rambur, 1842)

Synonymy: *Leptocerus fulvus* (Rambur) *in* King and Halbert (1910).

nigronevosa (Retzius, 1783)

Synonymy: *Leptocerus nigro-nervosus* (Retzius) *in* King and Halbert (1910).

senilis (Burmeister, 1839)

Synonymy: *in Leptocerus* in King and

Halbert (1910).

EROTESIS MCLACHLAN, 1877

+*baltica* McLachlan, 1877

Footnote: recorded from Co. Westmeath by Hannigan, Kelly-Quinn and O'Connor (2009).

LEPTOCERUS LEACH, 1815

+*tineiformis* Curtis, 1834

Footnote: recorded from Co. Kildare by O'Connor, Good and Bond (1990).

MYSTACIDES LATREILLE, 1825

azurea (Linnaeus, 1761)

longicornis (Linnaeus, 1758)

[*nigra* (Linnaeus, 1758)]

Footnote: *Mystacides nigra* (Linnaeus) in King and Halbert (1910), misidentification.

OECETIS MCLACHLAN, 1877

furva (Rambur, 1842)

lacustris (Pictet, 1834)

notata (Rambur, 1842)

ochracea (Curtis, 1825)

testacea (Curtis, 1834)

SETODES RAMBUR, 1842

argentipunctellus McLachlan, 1877

TRIAENODES MCLACHLAN, 1865

bicolor (Curtis, 1834)

YLODES MILNE, 1934

[*conspersus* (Rambur, 1842)]

Synonymy: misidentification of *Ylodes reuteri*. See O'Connor (1979).

+*reuteri* (McLachlan, 1880)

Footnote: recorded from Co. Wexford by O'Connor (1979).

7. MOLANNIDAE

MOLANNA CURTIS, 1834

albicans (Zetterstedt, 1840)

Synonymy: *Molanna palpata* McLachlan, 1877, in King and Halbert (1910).

8. ODONTOCERIDAE

ODONTOCERUM LEACH, 1815

albicorne (Scopoli, 1763)

LIMNEPHILOIDEA

9. APATANIIDAE

Synonymy: in the Limnephilidae in O'Connor (1987).

APATANIINAE

APATANIA KOLENATI, 1848

+*auricula* (Forsslund, 1930)

Footnote: Forsslund (1930) noted that Irish adults named as *Apatania fimbriata* (Pictet, 1834) were conspecific with his new species *Apatania auricula*.

[*fimbriata* (Pictet, 1834)]

Footnote *Apatania fimbriata* in King and Halbert (1910). A misidentification of *A. auricula*.

+*muliebris* McLachlan, 1866

Footnote: larval record from Co. Galway by Fahy (1972) and subsequently confirmed with an adult from Co. Kerry (O'Connor, 1978a). *Apatania muliebris* is a parthenogenetic caddisfly usually found in spring-fed streams. Like many asexually reproducing species, it exists in a variety of

morphological forms with each isolated population often showing consistent differences from its neighbouring colonies. This has led various authors to regard these slightly different forms as subspecies or even as full species. As a result of a study of specimens in the British Isles, it was decided that *A. muliebris* should be regarded as a single variable species in these islands (Barnard and O'Connor, 1987).

wallengreni McLachlan, 1871

10. GOERIDAE

GOERA STEPHENS, 1829

pilosa (Fabricius, 1775)

SILO CURTIS, 1833

nigricornis (Pictet, 1834)

pallipes (Fabricius, 1781)

11. LEPIDOSTOMATIDAE

CRUNOECIA MCLACHLAN, 1876

irrorata (Curtis, 1834)

LEPIDOSTOMA RAMBUR, 1842

Synonymy: *Lasiocephala* Costa, 1857.

+*basale* (Kolenati, 1848)

Footnote: recorded from Co. Kerry by O'Connor (1978a) as *Lasiocephala basalis*.

hirtum (Fabricius, 1775)

12. LIMNEPHILIDAE

DRUSINAE

ECCLISOPTERYX KOLENATI, 1848

+*dalecarlica* Kolenati, 1848

Footnote: recorded by O'Connor (2010).

[*guttulata* (Pictet, 1834)]

Footnote: misidentification of

Ecclisopteryx dalecarlica Kolenati, 1848 in O'Connor (1978a, 1987).

DRUSUS STEPHENS, 1837

annulatus (Stephens, 1837)

LIMNEPHILINAE

CHAETOPTERYGINI

CHAETOPTERYX STEPHENS, 1829

villosa (Fabricius, 1798)

LIMNEPHILINI

ANABOLIA STEPHENS, 1837

+*brevipennis* (Curtis, 1834)

Synonymy: in *Phacopteryx* in O'Connor (1987) and in Ashe, O'Connor and Murray (1998).

Footnote: recorded from Co. Cavan by Wallace *et al.* (1983) as *Phacopteryx brevipennis*.

nervosa (Curtis, 1834)

GLYPHOTAELIUS STEPHENS, 1837

pellucidus (Retzius, 1783)

GRAMMOTAULIUS KOLENATI, 1848

nigropunctatus (Retzius, 1783)

Synonymy: *Grammotaulius atomarius* (Fabricius, 1793) in King and Halbert (1910).

LIMNEPHILUS LEACH, 1815

affinis Curtis, 1834

auricula Curtis, 1834

binotatus Curtis, 1834

Synonymy: *Limnophilus xanthodes*

McLachlan, 1875 in King and Halbert (1910).

***centralis* Curtis, 1834**

+*coenosus* Curtis, 1834

Footnote: recorded from Co. Galway by Mosely (1930).

***decipiens* (Kolenati, 1848)**

+*elegans* Curtis, 1834

Footnote: recorded from Co. Wicklow by O'Connor (1978a).

[*extricatus* McLachlan, 1865]

Footnote: no authentic voucher material has been located and the records in King and Halbert (1910) require verification.

***flavicornis* (Fabricius, 1787)**

***fuscinervis* (Zetterstedt, 1840)**

***griseus* (Linnaeus, 1758)**

***hirsutus* (Pictet, 1834)**

***ignavus* McLachlan, 1865**

***incisus* Curtis, 1834**

Synonymy: in *Colpotaulius* in King and Halbert (1910).

***lunatus* Curtis, 1834**

***luridus* Curtis, 1834**

***marmoratus* Curtis, 1834**

***nigriceps* (Zetterstedt, 1840)**

+*pati* O'Connor, 1980

Footnote: recorded from Co. Donegal by O'Connor (1980).

[*politus* McLachlan, 1865]

Footnote: no authentic voucher material has been located and the record in King and Halbert (1910) require verification.

The record in Bracken and Murray (1973) is a misidentification.

***rhombicus* (Linnaeus, 1758)**

***sparsus* Curtis, 1834**

***stigma* Curtis, 1834**

+*tauricus* Schmid, 1964

Footnote: recorded from Co. Tipperary by O'Connor and Bond (1995).

***vittatus* (Fabricius, 1798)**

STENOPHYLACINI

***HALESUS* STEPHENS, 1836**

+*digitatus* (Schrank, 1781)

Footnote: recorded from Co. Dublin by Beirne (1939).

***radiatus* (Curtis, 1834)**

***HYDATOPHYLAX* WALLENGREN, 1891**

+*infumatus* (McLachlan, 1865)

Footnote: recorded from Co. Cavan by O'Connor (1978a).

***MESOPHYLAX* MCLACHLAN, 1882**

+*impunctatus* McLachlan, 1884

subspecies *zetlandicus*

McLachlan, 1884

Footnote: recorded from Co. Kerry by Hiley (1976) based on larval material.

Adults had previously been taken at this site (O'Connor and Wise, 1984).

Mesophylax impunctatus zetlandicus

McLachlan, 1884 occurs in the British Isles and the Faroe Islands while *M. i. impunctatus* McLachlan, 1884 is found in central Europe (Malicky, 2005; Malicky and Barnard, 2009).

MICROPTERNA STEIN, 1874

lateralis (Stephens, 1837)

sequax McLachlan, 1875

POTAMOPHYLAX WALLENGREN,

1891

cingulatus (Stephens, 1837)

Synonymy: *Stenophylax latipennis* (Curtis, 1834) in King and Halbert (1910).

latipennis (Curtis, 1834)

Synonymy: *Stenophylax stellatus* (Curtis, 1834) in King and Halbert (1910).

STENOPHYLAX KOLENATI, 1848

permistus McLachlan, 1895

PHRYGANEOIDEA

13. PHRYGANEIDAE

AGRYPNIA CURTIS, 1835

obsoleta (Hagen, 1864)

Synonymy: in *Phryganea* in King and Halbert (1910).

pagetana Curtis, 1835

varia (Fabricius, 1793)

Synonymy: in *Phryganea* in King and Halbert (1910).

OLIGOTRICHA RAMBUR, 1842

striata (Linnaeus, 1758)

Synonymy: *Neuronia ruficrus* (Scopoli, 1763) in King and Halbert (1910).

Footnote: the identity of both Irish specimens has been confirmed.

PHRYGANEA LINNAEUS, 1758

bipunctata Retzius, 1783

Synonymy: *Phryganea striata* Linnaeus, 1758 in King and Halbert (1910).

grandis Linnaeus, 1758

SERICOSTOMATOIDEA

14. BERAEEIDAE

BERAEA STEPHENS, 1833

maurus (Curtis, 1834)

pullata (Curtis, 1834)

BERAEODES EATON, 1867

+*minutus* (Linnaeus, 1761)

Footnote: recorded from Co. Kerry by O'Connor (1978a). To-date, this species is only known from Ireland based on its distinctive larvae.

15. SERICOSTOMATIDAE

[NOTIDOBIA STEPHENS, 1829]

[*ciliaris* (Linnaeus, 1761)]

Footnote: published Irish records of the larvae are misidentifications due to the recorders using Hickin (1967) for determination.

SERICOSTOMA LATREILLE, 1825

personatum (Spence, 1826)

SPICIPALPIA

GLOSSOSOMATOIDEA

16. GLOSSOSOMATIDAE

AGAPETINAE

AGAPETUS CURTIS, 1834

delicatulus McLachlan, 1884

fuscipes Curtis, 1834

ochripes Curtis, 1834

Synonymy: *Agapetus comatus* (Pictet, 1834) in King and Halbert (1910).

GLOSSOMATINAE

GLOSSOSOMA CURTIS, 1834

***boltoni* Curtis, 1834**

Synonymy: *Glossosoma vernale* (Pictet, 1834) in King and Halbert (1910).

+*conformis* Neboiss, 1963

Footnote: recorded from Co. Wicklow by O'Connor (1978a)

HYDROPTILOIDEA

17. HYDROPTILIDAE

HYDROPTILINI

AGRAYLEA CURTIS, 1834

***multipunctata* Curtis, 1834**

+*sexmaculata* Curtis, 1834

Footnote: recorded from Co. Wexford by O'Connor and O'Hanrahan (1988).

ALLOTRICHIA MCLACHLAN, 1880

+*pallicornis* (Eaton, 1873)

Footnote: recorded from Cos Dublin and Wicklow by O'Connor (1978a).

HYDROPTILA DALMAN, 1819

+*angulata* Mosely, 1922

Footnote: recorded from Co. Galway by Mosely (1927).

+*cornuta* Mosely, 1922

Footnote: recorded from Co. Wicklow by O'Connor and Bracken (1980).

+*forcipata* (Eaton, 1873)

+*martini* Marshall, 1977

Footnote: recorded from "Eire" by Marshall (1977). The species had been collected in Co. Cavan (O'Connor, 1978a;

O'Connor and O'Connor, 1980).

+*occulta* (Eaton, 1873)

Footnote: recorded from Cos Cavan and Tipperary by O'Connor and O'Connor (1980).

+*pulchricornis* Pictet, 1834

Footnote: recorded from Cos Cavan, Clare and Kerry by O'Connor (1978a).

+*simulans* Mosely, 1920

Footnote: recorded from Co. Galway by Mosely (1930).

***sparsa* Curtis, 1834**

+*figurina* Ris, 1894

Footnote: recorded from Co. Kerry by O'Connor (1978b).

***tineoides* Dalman, 1819**

Synonymy: *Hydroptila femoralis* Eaton, 1873 in King and Halbert (1910).

OXYETHIRA EATON, 1873

+*falcata* Morton, 1893

Footnote: recorded from Co. Galway by Mosely (1930).

***flavicornis* (Pictet, 1834)**

Synonymy: *Oxyethira costalis* Eaton nec Curtis, 1834. *Oxyethira costalis* (Curtis, 1834) in King and Halbert (1910).

+*frici* Klapálek, 1891

Footnote: recorded from Co. Galway by Mosely (1930).

+*sagittifera* Ris, 1897

Footnote: recorded from Co. Galway by Mosely (1927).

+*simplex* Ris, 1897

Footnote: recorded from Co. Galway by

Mosely (1930).

+*tristella* Klapálek, 1895

Footnote: recorded from Co. Galway by Mosely (1930).

TRICHOLEIOCHITON KLOET AND HINCKES, 1944

+*fagesii* (Guinard, 1879)

Footnote: the first authentic Irish record was from Co. Offaly by O'Connor and O'Hanrahan (1988).

ORTHTRICHIINI

ITHYTRICHIA EATON, 1873

+*clavata* Morton, 1905

Footnote: recorded from Co. Kerry by O'Connor (1982).

***lamellaris* Eaton, 1873**

ORTHOTRICHIA EATON, 1873

+*angustella* (McLachlan, 1865)

Footnote: recorded from Cos Clare and Kerry by O'Connor (1978a).

+*costalis* (Curtis, 1834)

Footnote: recorded from Co. Clare by O'Connor (1978a).

RHYACOPHILOIDEA

18. RHYACOPHILIDAE

RHYACOPHILA PICTET, 1834

***dorsalis* (Curtis, 1834)**

+*munda* McLachlan, 1862

Footnote: recorded from Co. Wicklow by Frost (1942).

ZYGENTOMA

The Zygentoma include the silverfish and firebrat. The former is a common indoor insect in Ireland while the latter, also found indoors, is rare. Both species feed on cereals, paste, paper, starch in clothes, and dried meats.

1. LEPISMATIDAE

CTENOLEPISMATINAE

THERMOBIA BERGROTH, 1890

***domestica* (Packard, 1837)**

Synonymy: *Thermobia furnorum* (Rovelli, 1884) in Stelfox (1932).

Footnote: recorded from Co. Dublin by

Stelfox (1932).

LEPISMATINAE

LEPISMA LINNAEUS, 1758

***saccharina* Linnaeus, 1758**

Footnote: recorded as common by Templeton (1834).

REFERENCES

- Anon. (1966) Biological survey work. *Annual Report of the Salmon Research Trust, Ireland*. p. 63.
- Alexander, K. N. A. and Foster, A. P. (2000) *Dufouriellus ater*, *Plesiodema pinetellum* and *Psallus flavellus* new to Ireland, with unconfirmed records of *Psallus wagneri* and *Dryophilocoris flavomaculatus* (Hemiptera). *Irish Naturalists' Journal* **26** (1999): 270-271.
- Alexander, K. N. A. and Saville, R. E. (2009) Seven arboreal barkflies newly-recognized in Ireland and records of other species from six historic demesnes across Northern Ireland (Insecta: Psocoptera). *Irish Naturalists' Journal* **29**(2008): 102-106.
- Anderson, R. (2006) *Rhacognathus punctatus* (L.) (Hem., Pentatomidae) confirmed as an Irish species with three new sites in northern counties. *Entomologist's Monthly Magazine* **142**: 62.
- Anderson, R., Nash, R. and O'Connor, J. P. (1997) *Irish Coleoptera. A revised and annotated list*. Irish Naturalists' Journal Special Entomological Supplement 1997. 81 pp.
- Ashe, P., O'Connor, J. P. and Murray, D. A. (1998) *A checklist of Irish aquatic insects*. Occasional Publication of the Irish Biogeographical Society **Number 3**.
- Aukema, B. and Aukema, R. (2001) *Psallus confusus* Rieger and *Salda morio* (Zetterstedt) (Hemiptera: Heteroptera) collected in Connemara. *Irish Naturalists' Journal* **26**: 371-373.
- Aukema, B., Hermes, D. J., Nelson, B. and O'Connor, J. P. (2007) Eleven land and water bugs new to the Irish list (Insecta: Heteroptera). *Irish Naturalists' Journal* **28** (2006): 327-333.
- Aukema, B. and Rieger, C. (eds) (1995) *Catalogue of the Heteroptera of the Palaearctic Region. 1. Enicocephalomorpha, Dipsocoromorpha, Nepomorpha, Gerromorpha and Leptopodomorpha*. The Netherlands Entomological Society, Amsterdam.
- Aukema, B. and Rieger, C. (eds) (1996) *Catalogue of the Heteroptera of the Palaearctic Region. 2. Cimicomorpha I*. The Netherlands Entomological Society, Amsterdam.
- Aukema, B. and Rieger, C. (eds) (1999) *Catalogue of the Heteroptera of the Palaearctic Region. 3. Cimicomorpha II*. The Netherlands Entomological Society, Amsterdam.
- Aukema, B. and Rieger, C. (eds) (2001) *Catalogue of the Heteroptera of the Palaearctic Region. 4. Pentatomomorpha I*. The Netherlands Entomological Society, Amsterdam.
- Aukema, B. and Rieger, C. (eds) (2006) *Catalogue of the Heteroptera of the Palaearctic Region. 5. Pentatomomorpha II*. The Netherlands Entomological Society, Amsterdam.
- Barnard, P. C. and O'Connor, J. P. (1987) The populations of *Apatania muliebris* McLachlan in the British Isles (Trichoptera: Limnephilidae). *Entomologist's Gazette* **38**: 263-267.
- Barnard, P. C., O'Connor, J. P. and Speight, M. C. D. (1991) A review of published distribution data for Irish Neuroptera (Insecta), together with additional records and a check-list of the Irish species. *Bulletin of the Irish Biogeographical Society* **14**: 109-123.
- Barnard, P. and Ross, E. (2012) *The adult Trichoptera (caddisflies) of Britain and Ireland. Handbooks for the Identification of British Insects* **1**(17): i-iv, 1-192.
- Beirne, B. P. (1939) Irish Trichoptera records. *Journal of the Society of British Entomology* **2**: 8.
- Beirne, B. P. and Harris, J. R. (1946) Light-trap captures in Ireland in 1945 (Lep., Trich., Ephem., Plec.). *Entomologist's Record and Journal of Variation* **58**: 46-49.
- Binazzi, A. (2011) Fauna Europaea: Family Adelgidae, Family Phylloxeridae. Fauna Europaea version 2.4, <http://www.faunaeur.org> (accessed 13 September 2011).
- Blackith, R. E. and Good, J. A. (1991) Protura in Ireland. *Bulletin of the Irish Biogeographical Society* **14**: 84-89.
- Blackman, R. L. (2010) Aphids - Aphidinae (Macrosiphini). *Handbooks for the Identification of British Insects* **2**(7): i-vi, 1-414.
- Bolger, T. (1986) The Collembola of Ireland - a checklist and bibliography. *Proceedings of the Royal Irish Academy* **86**: 183-218.
- Bond, K. G. M. (1989) *Aeshna cyanea* (Müller) (Odonata: Aeshnidae) a dragonfly new to Ireland. *Irish Naturalists' Journal* **23**: 73-74.
- Bond, K., and Blackith, R. (1987). A Desert Locust of the Solitary Phase in Ireland. *Irish Naturalists' Journal* **22**: 356-358.
- Bond, K. G. M., Nash, R. and O'Connor, J. P. (2006) *An annotated checklist of the Irish butterflies*

- and moths (Lepidoptera). Irish Biogeographical Society/National Museum of Ireland, Dublin.
- Bracken, J. J. and Murray, D. A. (1973) Insect emergence data from four small lakes in the south and southwest of Ireland. *Irish Fisheries Investigations Series A Number 11*.
- Britten, H. (1939) *Triphleps laevigata* Fieber (Hem., Anthocoridae) new to Britain. *Entomologist's Monthly Magazine 75*: 29-31.
- Butler, F. T. and O'Connor, J. P. (1994) A review of the Irish Ischnocera and Amblycera (Phthiraptera). *Irish Naturalists' Journal 24*: 449-457.
- Carpenter, G. H. (1913a) The Irish species of *Petrobius*. *Irish Naturalist 22*: 228-233, plates 2-3.
- Carpenter, G. H. (1913b) Clare Island Survey. Part 32. Apterygota. *Proceedings of the Royal Irish Academy 31*(32): 1-12, plate 1.
- Carter, C. I., Wood-Baker, C. S. and Polaszek, A. (1987) Species, host plants and distribution of aphids occurring in Ireland. *Irish Naturalists' Journal 22*: 266-283.
- Cawley, M. (2000) *Forficula lesnei* Finot 1887, an earwig (Dermaptera: Forficulidae) new to Ireland. *Irish Naturalists' Journal 26*(1999): 272-273.
- Cawley, M. (2005) Notes and records on some Irish Orthoptera and Dermaptera. *Bulletin of the Irish Biogeographical Society 29*: 300-307.
- Chandler, P. J., O'Connor, J. P. and Nash, R. (2008) *An annotated checklist of the Irish two-winged flies (Diptera)*. Irish Biogeographical Society/National Museum of Ireland, Dublin.
- China, W. E. (1955) *Sigara (Subsigara) pearcei* Walton, 1936. a synonym of the Canadian *S. (S.) fallenoidea* Hungerford 1926 (Heteroptera, Corixidae). *Entomologist's Monthly Magazine 91*: 46-47.
- Costello, M. J. (1988) A review of the distribution of stoneflies (Insecta, Plecoptera) in Ireland. *Proceedings of the Royal Irish Academy 88*: 1-22.
- Cotton, D. C. F. (1982) A synopsis of the Irish Orthoptera. *Entomologist's Gazette 33*: 243-254.
- Cuppen, J. G. M. and Nelson, B. (2007) *Micronecta griseola* Horváth, a new water boatman for Ireland (Heteroptera: Corixidae). *Irish Naturalists' Journal 28*: 410-413.
- de Courcy Williams, M. (1989) A preliminary list of the Irish Auchenorrhyncha (Homoptera). *Bulletin of the Irish Biogeographical Society 12*: 135-148.
- de Jong, Y. S. D. M. (Ed.) (2011) Fauna Europaea version 2.4. Web Service available online at <<http://www.faunaeur.org>>
- Delany, M. J. (1954) Thysanura and Diplura. *Handbooks for the Identification of British Insects 1*(2): 1-7.
- Douglas, J. W. and Scott, J. (1865) *The British Hemiptera. 1 Hemiptera-Heteroptera*. Ray Society, London.
- Doyle, Ú, O'Halloran, J. and Smiddy, P. (2004) Records of the feather lice (Mallophaga) *Philopterus cincli* (Denny) and *Myrsidea franciscocoli* (Conci), two species new to Ireland. *Irish Naturalists' Journal 27*: 440.
- Edington, J. M. and Alderson, R. (1973) The taxonomy of British psychomyiid larvae (Trichoptera). *Freshwater Biology 3*: 463-478.
- Fahy, E. (1970) The distribution of the Irish Psocoptera. *Proceedings of the Royal Irish Academy 69B*: 139-163.
- Fahy, E. (1972) Some records of Trichoptera from Ireland. *Irish Naturalists' Journal 17*: 199-203.
- Fahy, E. (1974) Distribution data on the Ephemeroptera and Plecoptera in Ireland. *Entomologist's Gazette 25*: 141-146.
- Favret, C. (2011) Aphid Species File. <<http://aphid.speciesfile.org>> (accessed 13 September 2011).
- Feeley, H. B., Baars, J.-R. and Kelly-Quinn, M. (2016) *The Stonefly (Plecoptera) of Ireland – distribution, life histories & ecology*. National Biodiversity Data Centre, Waterford.
- Fjellberg, A. (2003) Revision of six northern species of the *Isotoma viridis* Bourlet, 1839 complex (Collembola, Isotomidae). *Norwegian Journal of Entomology 50*: 91-98.
- Fjellberg, A. (2007) The Collembola of Fennoscandia and Denmark. Part II: Entomobryomorpha and Symphypleona. *Fauna Entomologica Scandinavica 42*.
- Forsslund, K.-H. (1930) Zwei neue *Apatelia*-Arten (Trich., Linnophilidae). Vorläufige Mitteilung.

- Entomologisk Tidskrift* **51**: 216-218.
- Frost, W. E. (1942) R. Liffey Survey iv. The fauna of the submerged “mosses” in an acid and an alkaline water. *Proceedings of the Royal Irish Academy* **47B**: 293-369.
- Gisin, H. (1952) Notes sur les Collemboles, avec démembrément des *Onychiurus armatus*, *ambulans* et *finetarius* auctorum. *Mitteilungen der Schweizerische Entomologischen Gesellschaft* **25**: 1-22.
- Gisin, H. (1960) *Collembolenfauna Europas*. Museum d’Histoire Naturelle, Geneva.
- Good, J. A., Blackith, R. E. and Higgins, D. G. (1989) *Campodea lankestri* Silvestri, a soil apterygote new to Ireland. *Irish Naturalists’ Journal* **23**: 154.
- Good, J. A. and Cullinane, D. (1990) The great green bush-cricket, *Tettigonia viridissima* L. (Orthoptera: Tettigoniidae) imported in a tent. *Irish Naturalists’ Journal* **23**: 220.
- Goodhue, R. D. (1980) *Irish household pests*. Irish Environmental Library **Number 69**. Folens, Dublin.
- Goodhue, R. D., Greer Walker, M. and Blackith, R. E. (1964) The distribution of Irish orthopteroids. *Entomologist’s Monthly Magazine* **100**: 165-167.
- Halbert, J. N. (1935) A list of the Irish Hemiptera (Heteroptera and Cicadina). *Proceedings of the Royal Irish Academy* **42**: 211-318.
- Hannigan, E., Kelly-Quinn, M. and O’Connor, J. P. (2009) Notable caddisflies (Trichoptera) from Scragh Bog, Co. Westmeath, including *Erotosis baltica* McLachlan new to Ireland. *Bulletin of the Irish Biogeographical Society* **33**: 76-80.
- Harris, J. R. (1952) *An angler’s entomology*. Collins, London.
- Helden, A. (2004) *Ossiannilssonola callosa* (Then): a typhlocybine leafhopper new to Ireland. *Entomologist’s Monthly Magazine* **140**: 284.
- Helden, A. J. (2005a) *Aphrodes aestuarina* (Edwards), a leafhopper (Hem.) new to Ireland, with some notes on its status and identification. *Entomologist’s Monthly Magazine* **141**: 161-162.
- Helden, A. J. (2005b) A first Irish record of the typhlocybine leafhopper *Edwardsiana prunicola* (Edwards, 1914). *Entomologist’s Monthly Magazine* **141**: 186.
- Helden, A. (2005c) The typhlocybine (Hem.-Hom.) leafhopper *Alebra wahlbergi* (Boheman, 1845), new to Ireland. *Entomologist’s Monthly Magazine* **141**: 214.
- Helden, A. (2005d) Interesting Auchenorrhyncha records from sand dunes in north Co Dublin, including a new species for Ireland: *Anaceratagallia* (*Agallia*) *ribauti* (Ossiannilsson, 1938). *Irish Naturalists’ Journal* **28**: 174.
- Helden, A. (2005e) *Kybos virgator* (Ribaut, 1933) (Cicadellidae, Typhlocybinae) new to Ireland and a second known Irish population of the leafhopper *Ossiannilssonola callosa* (Then, 1886). *Irish Naturalists’ Journal* **28**: 174-175.
- Helden, A. (2006) *Wagneripteryx* (*Aguriahana*) *germari* (Zetterstedt), a species of typhlocybine leafhopper (Hem.) new to Ireland. *Entomologist’s Monthly Magazine* **142**: 184.
- Helden, A. (2007a) *Kybos populi* (Edwards, 1908) (Hemiptera: Cicadellidae) an aspen feeding leafhopper new to Ireland. *Irish Naturalists’ Journal* **28** (2006): 341-342.
- Helden, A. (2007b) Three species of *Edwardsiana* Zakhvatkin (Hemiptera: Cicadellidae: Typhlocybinae) new to Ireland. *Entomologist’s Monthly Magazine* **143**: 129.
- Helden, A. (2007c) *Xanthodelphax straminea* (Stål, 1858) (Hemiptera: Delphacidae) new to Ireland. *Entomologist’s Monthly Magazine* **143**: 130.
- Helden, A. (2007d) Discovery of the second European species of *Megophthalmus* Curtis (Hemiptera, Cicadellidae, Megophthalminae) in Ireland. *Irish Naturalists’ Journal* **28**: 418.
- Helden, A. (2008) A species of leafhopper, *Kybos rufescens* (Melichar, 1896) (Hem., Cicadellidae: Typhlocybinae) new to Ireland, found in two different counties. *Entomologist’s Monthly Magazine* **144**: 176.
- Helden, A. (2009) Two species of leafhoppers (Hemiptera: Cicadellidae) new to Ireland, with confirmation of their breeding status. *Irish Naturalists’ Journal* **30**: 63.
- Helden, A. J. and Stewart, A. J. A. (2008) A review of the Idiocerinae (Hemiptera, Cicadellidae) of Ireland with six additions to the known Irish fauna. *Irish Naturalists’ Journal* **29**: 36-39.

- Hickin, N. E. (1952) Larvae of the British Trichoptera No. 34. *Tinodes assimilis* McLachlan. *Proceedings of the Royal Entomological Society of London* **27**: 89-90.
- Hickin, N. E. (1967) *Caddis larvae. Larvae of the British Trichoptera*. Hutchinson, London.
- Hiley, P. D. (1976) The identification of British limnephilid larvae (Trichoptera). *Systematic Entomology* **1**: 147-167.
- Hopkin, S. P. (2007a) *A key to the Collembola (springtails) of Britain and Ireland*. Field Studies Council, Preston Montford (AIDGAP) **Number 111**: i-vi, 1-245.
- Hopkin, S. P. (2007b) Collembola of Britain and Ireland.
<<http://www.stevhopkin.co.uk/collembolamaps/>>
- Hopkins, G. W. (2000) Additions to the Irish aphid (Hemiptera) list. *Irish Naturalists' Journal* **26** (1999): 175-176.
- Jansson, A. (1986) The Corxidae (Heteroptera) of Europe and some adjacent regions. *Acta Entomologica Fennica* **47**: 1-94.
- Johnson, W. F. and Halbert, J. N. (1902) A list of the beetles of Ireland. *Proceedings of the Royal Irish Academy*, Series 3, **6**: 535-827.
- Judd, S. (1986) *Anthocoris nemoralis butleri* Le Quesne (Hemiptera: Anthocoridae) new to Ireland. *Irish Naturalists' Journal* **22**: 79.
- Kelly-Quinn, M. and Bracken, J. J. (2000) *The distribution of the Ephemeroptera in Ireland*. Occasional Publication of the Irish Biogeographical Society **Number 5**.
- King, J. J. F. X. and Halbert, J. N. (1910) A list of the Neuroptera of Ireland. *Proceedings of the Royal Irish Academy* **28B**: 29-112.
- Kirby, P. (1983) Heteroptera recorded from the Killarney area, 28 August - 7 September 1981. *Irish Naturalists' Journal* **21**: 45-47.
- Kirby, P. (1991) Hemiptera (Heteroptera and Auchenorrhyncha) recorded from south-west Ireland (Cos Cork, Kerry and Clare), September 1989. *Bulletin of the Irish Biogeographical Society* **14**: 90-104.
- Kluge, N. J. (2011) Ephemeroptera of the world.
<<http://www.insecta.bio.pu.ru/z/Eph-spp>>
- Kosztarab, M. and Kozár, F. (1988) *Scale insects of Central Europe*. Akadémiai Kiadó, Budapest.
- Lansbury, I. (1965) Notes on the Hemiptera, Coleoptera, Diptera and other invertebrates of the Burren, Co. Clare and Inishmore, Aran Islands. *Proceedings of the Royal Irish Academy* **64B**: 89-115.
- Lawrence, P. N. 1979 Observations on the taxonomy and ecology of *Onychiurus armatus* (Collembola, Onychiuridae) and their wider implications in agriculture and evolution. *Revue d'écologie et de biologie du sol* **16**: 259-77.
- Lee, M. (2004) The British & Irish stick-insects. *British and Irish Stick-insect Fact Sheet 2004*. 2pp.
- Makings, P. (1959) *Trigoniophthalmus alternatus* (Silvestri, 1904) (Thysanura, Machilidae) new to the British Isles. *Entomologist's Monthly Magazine* **95**: 153.
- Malicky, H. (2005) Ein kommentiertes Verzeichnis der Köcherfliegen (Trichoptera) Europas und des Mediterrangebietes. *Linzer Biologische Beiträge* **37**: 533-596.
- Malicky, H. and Barnard, P. (2009) Trichoptera. In Malicky, H. (Ed.) *Fauna Europaea* version 2.1, <<http://www.faunaeur.org>> (accessed 12 January 2009).
- Malumphy, C. P. (2009) Confirmation of the presence of small spruce bud scale, *Physokermes hemicryphus* (Dalman) (Hemiptera: Coccidae), in Britain. *British Journal of Entomology and Natural History* **22**: 15-22.
- Marshall, J. A. and Haes, E. C. M. (1990) *Grasshoppers and allied insects of Great Britain and Ireland*. Harley Books, Colchester.
- Marshall, J. E. (1977) *Hydroptila martini* sp. n. and *Hydroptila valesiaca* Schmid (Trichoptera: Hydroptilidae) new to the British Isles. *Entomologist's Gazette* **28**: 115-122.
- Massee, A. M. (1958) Hemiptera-Heteroptera collected in Northern Ireland. *Entomologist's Monthly Magazine* **94**: 247.
- Massee, A. M. (1964) *Lygus punctatus* (Zett.) (Hem., Miridae) recorded from Herefordshire.

- Entomologist's Monthly Magazine* **100**: 211.
- McCarthy, T. K. and Walton, G. A. (1980) *Sigara selecta* (Fieb.) (Hemiptera-Heteroptera: Corixidae) new to Ireland, with notes on water bugs recorded from the Dingle Peninsula. *Irish Naturalists' Journal* **20**: 64-66.
- McCormack, S., Nolan, M. and Regan, E. (2006) Coleoptera, Araneae, and aquatic Hemiptera recorded from three mountain areas in northwestern Ireland. *Bulletin of the Irish Biogeographical Society* **30**: 302-333.
- Morris, M. G. (1967) Weevils (Coleoptera: Curculionoidea) and other insects collected in north west Clare, with special reference to the Burren region. *Proceedings of the Royal Irish Academy* **65B**: 349-371.
- Mosely, M. E. (1927) Galway trout. *Salmon and Trout Magazine* **Number 48** (reprinted in the *Proceedings of the Royal Irish Academy* **39B**: 21).
- Mosely, M. E. (1930) Irish Trichoptera, Neuroptera, etc. *Entomologist* **63**: 30-34.
- Nash, R., Boston, M. R., Black, T. B. and O'Connor, J. P. (1985) Insects imported into Ireland 7. The brown-banded cockroach *Supella supellectilium* (Serville). *Irish Naturalists' Journal* **21**: 495-496.
- Nash, R., Boston, M. and O'Connor, J. (1983) A proposal for a checklist of Irish insects. *Irish Naturalists' Journal* **21**: 188.
- Nash, R. and O'Connor, J. P. (1990) Insects imported into Ireland 9. Records of Orthoptera, Dictyoptera, Homoptera and Hymenoptera including Roger's ant, *Hypoconerops punctatissima* (Roger). *Irish Naturalists' Journal* **23**: 255-257.
- Nelson, B. (1986) Records of Hemiptera-Heteroptera from Co Down including *Alydus calcaratus* (L.) new to Ireland. *Irish Naturalists' Journal* **22**: 81-82.
- Nelson, B. (1988) *Conostethus brevis* Reuter (Hemiptera: Miridae) new to Ireland. *Irish Naturalists' Journal* **22**: 454-455.
- Nelson, B. (1997) *Scolopstethus grandis* Horváth new to Ireland and a second Irish record of *S. puberulus* Horváth (Hemiptera-Heteroptera: Lygaeidae). *Irish Naturalists' Journal* **25**: 343-344.
- Nelson, B. (2011) A review of notable records of Irish odonates post DragonflyIreland (2004-2010), including confirmation of the Golden-ringed Dragonfly *Cordulegaster boltonii* (Donovan) on the Irish list. *Journal of the British Dragonfly Society* **28**: 105-131.
- Nelson, B., Ronayne, C. and Thompson, R. (2003) Colonization and changing status of four Odonata species, *Anax imperator*, *Anax parthenope*, *Aeshna mixta* and *Sympetrum fonscolombii*, in Ireland 2000-2002. *Irish Naturalists' Journal* **27**: 266-272.
- Nelson, B. and Thompson, R. (2004) *The natural history of Ireland's dragonflies*. Ulster Museum, Belfast.
- New, T. R. (2005) Psocoptera (booklice, barklice). Second edition. *Handbooks for the Identification of British Insects* **1**(7).
- Nieto Nafria, J. M. (2011) Fauna Europaea: Aphididae. Fauna Europaea version 2.4, <<http://www.faunaeur.org>> (accessed 13 September 2011).
- O'Connor, J. P. (1977) Lough Derrygeeha, Co. Clare, a new locality for *Cyrnus insolutus* McLachlan (Trichoptera: Polycentropodidae). *Entomologist's Record and Journal of Variation* **89**: 309-310.
- O'Connor, J. P. (1978a) A progress report on studies of Irish Trichoptera. Pp 303-308. In Crichton, M. I. (Ed.) *Proceedings of the 2nd International Symposium on Trichoptera*. Dr. W. Junk, The Hague.
- O'Connor, J. P. (1978b) *Hydroptila tigurina* Ris new to Ireland with notes on *Apatania wallengreni* McLachlan and *Limnephilus binotatus* Curtis (Insecta: Trichoptera). *Irish Naturalists' Journal* **19**: 191-192.
- O'Connor, J. P. (1979) *Triaenodes reuteri* McLachlan new to Ireland with a second Irish record of *Apatania wallengreni* McLachlan (Insecta: Trichoptera). *Irish Naturalists' Journal* **19**: 403-404.

- O'Connor, J. P. (1980) *Limnephilus pati* sp. n. (Trichoptera: Limnephilidae), a caddisfly new to Great Britain and Ireland. *Irish Naturalists' Journal* **20**: 129-133.
- O'Connor, J. P. (1982) *Ithytrichia clavata* (Trichoptera: Hydroptilidae), a caddisfly new to Ireland. *Irish Naturalists' Journal* **20**: 548-549.
- O'Connor, J. P. (1986) Notes on *Scolopostethus puberulus* Horvath and *Limnopus rufoscutellatus* (Latreille) (Hemiptera) in Ireland. *Entomologist's Record and Journal of Variation* **98**: 33-35.
- O'Connor, J. P. (1987) A review of the Irish Trichoptera. pp 73-77. In Bournaud, M. and Tachet, H. (eds) *Proceedings of the 5th International Symposium on Trichoptera*. Dr W. Junk Publishers, Dordrecht.
- O'Connor, J. P. (1989) Notes on Irish *Temnostethus* (Hem.-Het., Anthocoridae) in the National Museum of Ireland. *Entomologist's Monthly Magazine* **125**: 206.
- O'Connor, J. P. (1990) A recent Irish record of *Elenchus tenuicornis* (Kirby) (Strepsipt., Elenchidae). *Entomologist's Monthly Magazine* **126**: 66.
- O'Connor, J. P. (2003) Wax flies (Neuroptera: Coniopterygidae) reared from cola nut and marble galls, including *Coniopteryx borealis* Tjeder new to Ireland. *Entomologist's Gazette* **54**: 207-209.
- O'Connor, J. P. (2005a) *Ricinus fringillae* DeGeer (Mallophaga: Amblycera) new to Ireland. *Irish Naturalists' Journal* **28**: 172.
- O'Connor, J. P. (2005b) *Phlopterus fringillae* (Scopoli) (Phthirapt., Phlopterae) new to Ireland. *Entomologist's Monthly Magazine* **141**: 232.
- O'Connor, J. P. (2008a) A review of the Irish thrips (Thysanoptera). *Irish Naturalists' Journal* **29**: 20-24.
- O'Connor, J. P. (2008b) *Phlopterus modularis* (Denny, 1842) (Phthiraptera: Phlopterae) new to Ireland. *Irish Naturalists' Journal* **29**: 131-132.
- O'Connor, J. P. (2009) The mole-cricket *Grylotalpa grylotalpa* (Linnaeus, 1758) (Orthoptera: Grylotalpidae) in Ireland. *Entomologist's Gazette* **60**: 175-177.
- O'Connor, J. P. (2010) Additions and corrections to the Irish list of Trichoptera. *Irish Naturalists' Journal* **30** (2009): 127-129.
- O'Connor, J. P. (2015) *A catalogue and atlas of the caddisflies (Trichoptera) of Ireland*. Occasional Publication of the Irish Biogeographical Society **Number 11**. viii + 646pp. Published by the Irish Biogeographical Society in association with the National Museum of Ireland.
- O'Connor, J. P. and Ashe, P. (1996) *Elasmotethus tristriatus* (F.) (Hem., Acanthosomatidae), confirmed as an Irish species. *Entomologist's Monthly Magazine* **132**: 314.
- O'Connor, J. P. and Bond, K. G. M. (1995) *Limnephilus pati* O'Connor rediscovered and *L. tauricus* Schmid (Trichoptera: Limnephilidae) new to Ireland. *Entomologist's Gazette* **46**: 207-208.
- O'Connor, J. P. and Bracken, J. J. (1978) Notes on *Hydropsyche instabilis* (Curtis) and *H. siltalai* Dohler (Insecta: Trichoptera) in Ireland. *Irish Naturalists' Journal* **19**: 282-283.
- O'Connor, J. P. and Bracken, J. J. (1980) A comparative limnological study of two Irish lakes (Lough Sillan, Co. Cavan and Lough Dan, Co. Wicklow). *Irish Fisheries Investigations Series A*. **Number 17**. 24pp. (1978).
- O'Connor, J. P. and Costello, M. J. (1997) *Leuctra nigra* (Olivier) (Plecoptera: Leuctridae), a stonefly new to Ireland. *Entomologist's Gazette* **48**: 51-52.
- O'Connor, J. P., Gertsson, C.-A. and Malumphy, C. (2013) A review of the Irish scale insects (Hemiptera: Coccoidea). *Irish Naturalists' Journal* **32**: 32-44.
- O'Connor, J. P. and Good, J. A. (1984) *Tinodes dives* (Pictet): a caddisfly new to Ireland from Ben Bulbin, Co. Sligo. *Entomologist's Record and Journal of Variation* **96**: 108-109.
- O'Connor, J. P., Good, J. A. and Bond, K. G. M. (1990) *Leptocerus tineiformis* Curtis: a caddisfly new to Ireland from Pollardstown Fen, Co. Kildare. *Entomologist's Record and Journal of Variation* **102**: 115-116.
- O'Connor, J. P. and Malumphy, C. (2011) A review of the Irish jumping plant-lice (Hemiptera: Psyllodea). *Bulletin of the Irish Biogeographical Society* **35**: 21-63.
- O'Connor, J. P. and Nash, R. (1979) Record of six insect species (Coleoptera: Orthoptera) recently

- imported into Ireland. *Irish Naturalists' Journal* **19**: 433-434.
- O'Connor, J. P. and Nash, R. (1983) Insects imported into Ireland 5. Records of Orthoptera, Hemiptera, Hymenoptera and Coleoptera. *Irish Naturalists' Journal* **21**: 114-117.
- O'Connor, J. P. and Nash, R. (1984) Insects imported into Ireland 6. Records of Orthoptera, Dermaptera, Lepidoptera and Coleoptera. *Irish Naturalists' Journal* **21**: 351-353.
- O'Connor, J. P. and Nash, R. (1986) Insects imported into Ireland 8. Records of Hemiptera, Coleoptera, Diptera and Lepidoptera. *Irish Naturalists' Journal* **22**: 104-107.
- O'Connor, J. P., Nash, R. and Broad, G. (2009) *An annotated checklist of the Irish Hymenoptera*. Irish Biogeographical Society/National Museum of Ireland, Dublin.
- O'Connor, J. P. and Norton, M. A. (1977) Athlone field meeting: preliminary notes on the aquatic invertebrates of Hare Island and environs. *Bulletin of the Irish Biogeographical Society* **1**: 20-25.
- O'Connor, J. P. and O'Connor, M. A. (1980) *Hydroptila occulta* (Eaton) (Trichoptera: Hydroptilidae), a caddisfly new to Ireland with notes on *Hydroptila martini* Marshall. *Entomologist's Record and Journal of Variation* **92**: 167-168.
- O'Connor, J. P. and O'Connor, M. A. (1985) *Pholidoptera griseoptera* (DeGeer) (Orthoptera: Tettigoniidae) new to Ireland. *Entomologist's Gazette* **36**: 229-232.
- O'Connor, J. P. and O'Connor, M. A. (1993) Notes on the Irish Reduviidae (Hemiptera). *Entomologist's Record and Journal of Variation* **105**: 49-52.
- O'Connor, J. P., O'Connor, M. and de Courcy Williams, M. (1988) Notes on *Berytinus montivagus* (Meyer) and *Metatropis rufescens* (Herrich-Schäffer) (Hemiptera) in Ireland. *Entomologist's Record and Journal of Variation* **100**: 81-84.
- O'Connor, J. P. and O'Hanrahan, B. M. (1988) *Agraylea sexmaculata* new to Ireland with notes on *Tricholeiochiton fagesii* and *Phacopteryx brevipennis* (Trichoptera). *Irish Naturalists' Journal* **22**: 478:480.
- O'Connor, J. P. and Ronayne, C. (2007) *Stylops melittae* Kirby (Strepsipt., Stylopidae) new to Ireland. *Entomologist's Monthly Magazine* **143**: 199.
- O'Connor, J. P. and Ronayne, C. (2007) *Stylops melittae* Kirby (Strepsipt., Stylopidae) new to Ireland. *Entomologist's Monthly Magazine* **143**: 199.
- O'Connor, J. P., Sleeman, D. P. and Butler, F. T. (2005) A review of the Irish Anoplura (Insecta: Phthiraptera). *Irish Naturalists' Journal* **28**: 62-67.
- O'Connor, J. P. and Vaucheret, S. (2006) *Dorypteryx longipennis* Smithers (Psocopt., Psyllipsocidae) new to Ireland and a further Irish record of *Badonnelia titei* Pearman (Psocopt., Sphaeropsocidae). *Entomologist's Monthly Magazine* **142**: 62.
- O'Connor, J. P. and Wise, E. J. (1980) The larva of *Tinodes maculicornis* (Trichoptera: Psychomyiidae), with notes on the species' distribution and habitat in Ireland. *Freshwater Biology* **10**: 367-370.
- Oliver, G. A. and Healy, B. (1998) Records of aquatic fauna from coastal lagoons in Ireland. *Bulletin of the Irish Biogeographical Society* **21**: 66-115.
- O'Mahony, E. (1950) *Prolabia arachidis* (Yers.), an introduced earwig in Ireland. *Entomologist's Monthly Magazine* **86**: 359.
- Parkes, K. A., Amos, W., Moore, N. W., Hoffmann, J. I and Moore, J. (2009) Population structure and speciation in the dragonfly *Sympetrum striolatum/nigrescens* (Odonata: Libellulidae): an analysis using AFLP markers. *European Journal of Entomology* **106**: 179-184.
- Pearce, E. J. and Walton, G. A. (1939) A contribution towards an ecological survey of the aquatic and semi-aquatic Hemiptera-Heteroptera (water-bugs) of the British Isles. *Transactions of the Society of British Entomology* **6**: 149-180.
- Pericart, J. (1990) Hemiptères Saldidae et Leptopodidae d'Europe occidentale et du Maghreb. *Faune de France* **77**.
- Pilgrim, E. M. and von Dohler, C. D. (2007) Molecular and morphological study of species-level questions within the dragonfly genus *Sympetrum* (Odonata: Libellulidae). *Annals of the Entomological Society of America* **100**: 688-702.

- Rippey, I. (2001) Yellow-winged darter *Sympetrum flaveolum* L. and red-veined darter *Sympetrum fonscolombei* Selys (Odonata: Libellulidae) in Northern Ireland, 1995 & 1998. *Irish Naturalists' Journal* **26**: 382-383.
- Rogers, A. (1966) Studies on the biology of the eel (*Anguilla anguilla* L.), with an appraisal of its feeding relations with salmon parr (*Salmo salar* L.) and trout (*S. trutta* L.). *Annual Report of the Salmon Research Trust, Ireland*. Pp 41-65.
- Ronayne, C. and O'Connor, J. P. (2006) *Halictoxenos tumulorum* Perkins and *H. spencei* Nasonov (Strepsipt., Stylopidae) new to Ireland. *Entomologist's Monthly Magazine* **142**: 92.
- Schorr, M. and Paulson, D. (2011) World Odonata list.
<<http://www.pugetsound.edu/academics/academic-resources/slater-museum/biodiversity-resources/dragonflies/world-odonata-list>>
- Smiddy, P. and Sleeman, D. P. (1993) Avian fleas in Ireland: a review of their distribution and hosts. *Irish Birds* **5**: 55-60.
- Smithers, C. N. (1978) A new species and new records of Psocoptera (Insecta) from Ireland. *Irish Naturalists' Journal* **19**: 141-148.
- Smithers, C. N., O'Connor, J. P. and Peters, J. V. (2000) A list of Irish Psocoptera (Insecta) (Booklice, Barklice, Psocids). *Irish Naturalists' Journal* **26** (1999): 228-235.
- Southwood, T. R. E. and Leston, D. (1959) *Land and water bugs of the British Isles*. Warne, London.
- Spence, J. A. and West, A. B. (1964) The Cottage River experiment. *Annual Report of the Salmon Research Trust, Ireland*. Pp 40-53.
- Stelfox, A. W. (1932) A foreign lepismid introduced in Dublin. *Irish Naturalists' Journal* **4**: 119.
- Stelfox, A. W. (1938) *Metatropis rufescens* H-S.: a plant-bug new to Ireland. *Irish Naturalists' Journal* **7**: 88.
- Stelfox, A. W. (1965) Seven species of Hemiptera now recorded for the first time from Ireland. *Irish Naturalists' Journal* **15**: 46-47.
- Sterzyńska, M. and Bolger, T. (2004) Collembola of North Bull Island - new records for the Irish coast. *Fragmenta Faunistica* **47**: 47-50.
- Stroyan, H. L. G. (1984) Aphids - Pterocommatinae and Aphidinae (Aphidini). *Handbooks for the Identification of British Insects* **2**(6): 1-232.
- Sutton, P. G. (2008) Orthopteroids of the British Isles Recording Scheme.
<<http://www.orthoptera.org.uk/>>
- Templeton, R. (1834) Thysanurae Hibernicae, or descriptions of such species of spring-tailed insects (Podura and Lepisma, Linn.) as have been observed in Ireland; by R. Templeton, Esq., R.A., Corr. Member of the Natural History Society of Belfast: with introductory observations upon the Order by J. O. Westwood, F.L.S. &c. *Transactions of the Entomological Society of London* **1**: 89-98.
- Wallace, I. D., Wallace, B., O'Connor, J. P. and O'Connor, M. A. (1983) *Phacopteryx brevipennis* new to Ireland with notes on *Oxyethira simplex* and *Beraeodes minutus* (Insecta: Trichoptera). *Irish Naturalists' Journal* **21**: 168-169.
- Walton, G. A. (1936) A new species of Corixidae, *Sigara pearcei*, from Ireland; together with descriptions of its closely related species. *Transactions of the Society of British Entomology* **3**: 33-47.
- Walton, G. A. (1966) *Saldula opacula* (Zetterstedt) (Hemiptera) - a shorebug new to Ireland. *Irish Naturalists' Journal* **15**: 218-225.
- Walton, G. A. (1981) *Microvelia pygmaea* (Dufour, 1833) (Hemiptera: Veliidae), a flightless water bug new to Ireland. *Irish Naturalists' Journal* **20**: 223-228.
- Walton, G. A. (1986) *Saldula connemarae* sp. n. (Hemiptera: Saldidae), a new species of shore bug from Co Galway, Ireland. *Irish Naturalists' Journal* **22**: 51-52.
- Whitaker, A. P. (2007) Fleas (Siphonaptera). Second edition. *Handbooks for the Identification of British Insects* **1**(16).
- Woodroffe, G. E. (1966) The *Lygus pratensis* complex (Hem., Miridae) in Britain. *Entomologist* **99**: 183-186.

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(<i>Micromus</i>)		<i>aquatica</i> Linnaeus, 1758	13
<i>angusta</i> Lethierry, 1874	49	(<i>Podura</i>)	
<i>angustella</i> (McLachlan, 1865)	102	<i>aquaticus</i> (Bourlet, 1843)	15
<i>angustipennis</i> (Curtis, 1834)	94	(<i>Sminthurides</i>)	
<i>angustulus</i> (Boheman, 1852)	37	[<i>aquilinus</i> (Denny, 1842)]	79
<i>annulatus</i> (Hartig, 1841)	58	<i>arachidis</i> (Yersin, 1860)	16
(<i>Tuberculatus</i>)		<i>ARADUS</i>	35
<i>annulatus</i> (Stephens, 1837)	98	<i>arboreus</i> (Linnaeus, 1758)	7
(<i>Drusus</i>)		<i>ARBORIDIA</i>	49
<i>annulicornis</i> (Stephens, 1836)	96	<i>arbustorum arbustorum</i> (Fabricius, 1794)	32
<i>annulipes</i> (Dohrn, 1864)	16	<i>ARCHAEOPSYLLA</i>	89
(<i>Euborellia</i>)		<i>archangelicae</i> (Scopoli, 1763)	53
<i>annulipes</i> O. M. Reuter, 1880	93	<i>ARCHISOTOMA</i>	4
(<i>Phlaeothrips</i>)		<i>arctica</i> Cassagnau, 1959	6
<i>ANOECIA</i>	51	(<i>Tetracanthella</i>)	
<i>anophthalma</i> Börner, 1901	9	<i>arctica</i> (Zetterstedt, 1840)	73
<i>ANOSCOPIUS</i>	43	(<i>Somatochlora</i>)	
[<i>anserinum</i> (J.C.Fabricius, 1805)]	77	<i>ARCTOCORISA</i>	20
<i>anseris</i> (Linnaeus, 1758)	78	<i>ARCTORTHEZIA</i>	65
<i>antennalis</i> Bagnall, 1940	7	<i>ardeae</i> (Linnaeus, 1758)	78

<i>ARDEICOLA</i>	78	<i>ATLANTOPSOCUS</i>	88
<i>arenarius arenarius</i> (Linnaeus, 1758)	37	<i>atomarius</i> (Meyer-Dür, 1843)	28
<i>argentatus</i> Schummel, 1832.23		<i>atra</i> Morton, 1896	83
<i>argentipunctellus</i> McLachlan, 1877	97	<i>ATRACTOTOMUS</i>	31
<i>armata</i> (Nicolet, 1841)	8	<i>atratus</i> Haliday, 1836	93
(<i>Ceratophysella</i>)		(<i>Thrips</i>)	
<i>armata</i> (Tullberg, 1869)	11	<i>atratus</i> Nitzsch, 1818	80
(<i>Protaphorura</i>)		(<i>Philopterus</i>)	
<i>armatus</i> Axelson, 1903	11	<i>atrebatinus</i> Eaton, 1870	17
(<i>Xenyllodes</i>)		<i>atrifrons</i> McLachlan, 1868	70
<i>armatus</i> Eaton, 1870	18	<i>atriplicis</i> (Linnaeus, 1761)	54
(<i>Siphonurus</i>)		<i>atropunctata</i> (Goeze, 1778)	49
<i>AROCEPHALUS</i>	46	<i>aubei</i> (Perris, 1857)	42
<i>ARRHOPALITES</i>	14	<i>AULACASPIS</i>	64
<i>artemisiae</i> (Boyer de Fonscolombe, 1841)	55	<i>AULACORTHUM</i>	53
<i>ARTHALDEUS</i>	46	<i>aurantipes</i> (Edwards, 1894)	44
<i>arundicolens</i> (Clarke, 1903)		<i>AURANTOTHRIPS</i>	92
<i>arvalis</i> (Fitch, 1863)	14	<i>aurata</i> (Linnaeus, 1758)	49
<i>ARYTAINA</i>	66	(<i>Eupteryx</i>)	
<i>ARYTAINILLA</i>	66	<i>auratus</i> (Haan, 1829)	81
<i>ascalonicus</i> Doncaster, 1946	56	(<i>Quadriceps</i>)	
<i>ASCIODEMA</i>	31	<i>aureus</i> (Hopkins, 1949)	82
<i>asigillata</i> (Börner, 1901)	10	(<i>Scolopiceps</i>)	
<i>asini</i> (Linnaeus, 1758)	78	<i>aureus</i> (Lubbock, 1862)	14
<i>ASPIDIOTUS</i>	64	(<i>Sminthurinus</i>)	
<i>aspidistrae aspidistrae</i> (Signoret, 1869)	64	<i>auricula</i> Curtis, 1834	98
<i>assimilis</i> (Krausbauer, 1898)	15	(<i>Limnephilus</i>)	
(<i>Sminthurides</i>)		<i>auricula</i> (Forsslund, 1930)	97
[<i>assimilis</i> McLachlan, 1865]	95	(<i>Apatania</i>)	
(<i>Tinodes</i>)		<i>auricularia</i> Linnaeus, 1758	16
<i>asteris</i> (Walker, 1849)	55	<i>aurovittata</i> (Douglas, 1875)	50
<i>ASTERODIASPIS</i>	63	<i>australasiae</i> (Fabricius, 1775)	17
<i>asynamor</i> Adelung, 1902	75	<i>AUSTROMENOPON</i>	76
<i>ater</i> Dufour, 1833	34	<i>avellanae</i> (Edwards, 1888)	49
(<i>Dufouriellus</i>)		(<i>Edwardsiana</i>)	
<i>ater</i> (Linnaeus, 1758)	27	<i>avellanae</i> Edwards, 1920	48
(<i>Capsus</i>)		(<i>Oncopsis</i>)	
<i>aterrimus</i> (Stephens, 1836)	96	<i>avellanae</i> (Schrank, 1801)	53
<i>ATHEROIDES</i>	59	(<i>Corylobium</i>)	
<i>ATHRIPSODES</i>	96	<i>avenae</i> (Fabricius, 1775)	57

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<i>aviator</i> (Evans, 1912)	82	<i>betulicola</i> (Kaltenbach, 1843)	58
<i>avicularis</i> Morton, 1894	83	(<i>Calaphis</i>)	
AXELSONIA	6	<i>betulicola</i> (Wagner, 1955)	48
<i>axillaris</i> (Smithers, 1969)	86	(<i>Kybos</i>)	
<i>azurea</i> (Linnaeus, 1761)	97	<i>betulinus</i> (Horvath, 1896)	61
<i>baccarum</i> (Linnaeus, 1758)	39	<i>bicarinata</i> (Herrich-Schäffer, 1835)	42
BACTERICERA	68	<i>bicaudata</i> (Linnaeus, 1758)	84
BADONNELIA	86	<i>bicinctus</i> (Schrank, 1776)	43
BAEOPELMA	66	<i>biclavis</i> (Comstock, 1883)	64
BAETIS	17	<i>bicolor</i> (Curtis, 1834)	97
<i>bakeri</i> (Cowen, 1895)	56	(<i>Triaenodes</i>)	
(<i>Nearctaphis</i>)		<i>bicolor</i> (Douglas and Scott, 1868)	31
BALANOCOCCUS	65	(<i>Platycranus</i>)	
BALCLUTHA	45	<i>bicolor</i> (Piaget, 1880)	76
BALIOTHRIPS	92	(<i>Actornithophilus</i>)	
BALLISTURA	4	<i>bicuspis</i> (Herrich-Schaeffer, 1835)	34
<i>baltica</i> McLachlan, 1877	97	<i>bidens</i> (Linnaeus, 1758)	39
(<i>Erotesis</i>)		<i>bidenticulata</i> (Tullberg, 1876)	6
<i>cf baltica</i> Szeptycki, 1964	10	<i>bifasciata</i> (Boheman, 1851)	50
(<i>Friesea</i>)		(<i>Zonocyba</i>)	
[<i>barbarus</i> (Fabricius, 1798)]	71	<i>bifasciata</i> (Latreille, 1799)	88
<i>basale</i> (Kolenati, 1848)	98	(<i>Amphigerontia</i>)	
<i>basalis</i> (A. Costa, 1853)	28	<i>bifasciatus</i> (Linnaeus, 1758)	43
(<i>Orthops</i>)		(<i>Planaphrodes</i>)	
<i>bassani</i> (O. Fabricius, 1780)	80	<i>bifidum</i> (Bengtsson, 1912)	17
BELOTHRIPS	92	<i>bifrons</i> (Newman, 1839)	83
<i>bengtssoni</i> (Ågren, 1904)	8	<i>bilineatus</i> (Fallén, 1807)	31
BERAEA	100	(<i>Orthotylus</i>)	
BERAEODES	100	<i>bilineatus</i> (Linnaeus, 1758)	96
<i>bergmanni</i> (Tullgren, 1916)	49	(<i>Athripsodes</i>)	
BERTKAUIA	86	<i>bimaculata</i> (Linnaeus, 1758)	95
BERYTINUS	36	<i>binotatus</i> Curtis, 1834	98
<i>besselsi</i> (Packard, 1877)	4	(<i>Limnophilus</i>)	
<i>betae</i> Westwood, 1849	60	<i>binotatus</i> (Fabricius, 1794)	29
<i>betulae</i> (Koch, 1855)	58	(<i>Stenotus</i>)	
(<i>Euceraphis</i>)		<i>bipunctata</i> Pictet, 1833	84
<i>betulae</i> (Linnaeus, 1758)	68	(<i>Perla</i>)	
(<i>Psylla</i>)		<i>bipunctata</i> Retzius, 1783	100
BETULAPHIS	57	(<i>Phryganea</i>)	
<i>betuleti betuleti</i> (Fallén, 1826)	32	<i>bipunctatus</i> (Axelson, 1903)	5

(<i>Cryptopygus</i>)		(<i>Philichthyophaga</i>)	
<i>bisetosa</i> Gisin, 1953	5	<i>brevicornis</i> Laing, 1920	59
BLASTE	88	(<i>Atheroides</i>)	
BLATTA	17	<i>brevicornis</i> Priesner, 1920	93
BLATTELLA	16	(<i>Thrips</i>)	
BLEPHARIDOPTERUS	29	BREVICORYNE	53
<i>boernerii</i> Axelson, 1905	9	[<i>brevifurca</i> (Bagnall, 1949)]	5
(<i>Xenylla</i>)		<i>brevipennis</i> (Curtis, 1834)	98
<i>boernerii</i> Schoett, 1902	10	(<i>Anabolia</i>)	
(<i>Pseudachorutes</i>)		<i>brevipennis</i> (Latreille, 1807)	38
<i>boernerii</i> Stroyan, 1957	58	(<i>Plinthisus</i>)	
(<i>Myzocallis</i>)		<i>brevipilosus</i> Börner, 1940	61
<i>boisduvalii</i> Signoret, 1869	64	<i>brevis</i> Reuter, 1877	31
BOLOTHRIPS	93	<i>brevistylis</i> Carpenter, 1913	69
<i>boltoni</i> Curtis, 1834	101	<i>briggsi</i> McLachlan, 1899	86
<i>boltonii</i> (Donovan, 1807)	72	BRUEELIA KÉLER , 1936	78
<i>bonnairei</i> Signoret, 1879	24	<i>brunnea</i> (Germar, 1837)	25
<i>bonsdorffii</i> (C. R. Sahlberg, 1819)	20	(<i>Acalypta</i>)	
<i>boops</i> (Schjødte, 1870)	33	<i>brunneipennis</i> (Edwards, 1896)	67
<i>borealis</i> Rothschild, 1907	90	<i>brunneus</i> (Thunberg, 1815)	74
(<i>Ceratophyllus</i>)		(<i>Chorthippus</i>)	
<i>borealis</i> Tjeder, 1930	70	<i>brunneus brunneus</i> (R. F. Sahlberg, 1848)	37
(<i>Coniopteryx</i>)		(<i>Drymus</i>)	
<i>bostrychophila</i> Badonnel, 1931	85	BRYOCORIS	26
BOTHYNOTUS	26	<i>bufo</i> (Walker, 1848)	62
BOURLETIELLA	14	<i>burmeisteri</i> (Brauer, 1876)	86
BOVICOLA	82	(<i>Valenzuela</i>)	
<i>bovis</i> (Linnaeus, 1758)	82	<i>burmeisteri</i> (Fahrenheit, 1919)	77
BRACHYCAUDUS	53	(<i>Solenopotes</i>)	
BRACHYPTERA	84	<i>burmeisteri</i> (Lubbock, 1873)	11
<i>brachyptera</i> (Boheman, 1847)	43	(<i>Kalaphorura</i>)	
BRACHYSTOMELLA	9	<i>bursarius</i> (Linnaeus, 1758)	60
BRACHYTRON	72	<i>butleri</i> Le Quesne, 1954	33
<i>brachyura</i> Bagnall, 1949	6	<i>buxi</i> (Bouché, 1851)	64
<i>brassicae</i> (Linnaeus, 1758)	53	(<i>Pinnaspis</i>)	
<i>brevicauda</i> Agrell, 1939	5	<i>buxi</i> (Linnaeus, 1758)	68
(<i>Folsomia</i>)		(<i>Psylla</i>)	
<i>brevicauda</i> Tullberg, 1869	9	CACOPSYLLA	66
(<i>Xenylla</i>)		CAECILIUS	86
[<i>brevicornis</i> (Denny, 1842)]	80	<i>caecus</i> (Tullberg, 1871)	14

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<i>CAENIS</i>	19	<i>capillatus</i> Enderlein, 1914	77
<i>caerulea</i> (Linnaeus, 1758)	39	<i>carpini</i> (Koch, 1855)	58
(<i>Zicrona</i>)		<i>capitis</i> De Geer, 1778	78
<i>caerulea</i> Bourlet, 1839	7	CAPITOPHORUS	53
(<i>Isotoma</i>)		CAPNIA	83
CALAPHIS	57	CAPRAINEA	14
<i>calcarata</i> Denis, 1925	10	<i>caprai caprai</i> Tamanini, 1947	23
(<i>Anuridella</i>)		<i>capreae</i> (Mosley, 1841)	58
<i>calcarata</i> (Fallén, 1807)	29	CAPSODES	27
(<i>Stenodema</i>)		CAPSUS	27
<i>calcaratus</i> Linnaeus, 1758	35	<i>cardui</i> Linnaeus, 1758	53
(<i>Alydus</i>)		(<i>Brachycaudus</i>)	
CALLICORIXA	20	<i>cardui</i> (Linnaeus, 1758)	25
CALLIGYPONA	40	(<i>Tingis</i>)	
{ CALLIPTAMUS }	74	CARDUICEPS	79
<i>calliptera</i> (Hartig, 1841)	58	<i>carduinus</i> (Walker, 1850)	53
CALLIPTERINELLA	58	<i>caricis</i> (Fallén, 1807)	29
<i>callipygos</i> (Börner, 1902)	13	(<i>Cyrtorhinus</i>)	
CALLOPSYLLA	90	<i>caricis</i> (Mordvilko, 1921)	62
<i>callosa</i> (Then, 1886)	50	(<i>Thripsaphis</i>)	
CALOCORIS	27	<i>carinata</i> (Panzer, 1806)	25
CALOPTYRYX	71	(<i>Acalypta</i>)	
[<i>cambrica</i> Stephens, 1836]	83	<i>carinata</i> (C. R. Sahlberg, 1819)	20
<i>campata</i> (Gisin, 1952)	12	(<i>Arctocorisa</i>)	
<i>campestris</i> (Fabricius, 1794)	34	<i>carnea</i> (Stephens, 1836)	69
(<i>Lyctocoris</i>)		<i>carnosum</i> (Buckton, 1876)	55
<i>campestris</i> (Fallén, 1805)	43	<i>carri</i> (Edwards, 1914)	50
(<i>Neophilaenus</i>)		CARULASPIS	64
<i>campestris</i> (Linnaeus, 1758)	28	<i>castanea</i> (Thomson, 1869)	21
(<i>Orthops</i>)		<i>castanicola</i> Baker, 1917	58
CAMPODEA	15	<i>cataphracta</i> (Olafsen, 1772)	65
CAMPTOZYGUM	27	CAVARIELLA	53
CAMPYLONEURA	26	[<i>cavifrons</i> Thomson, 1869]	20
<i>cancellatum</i> (Linnaeus, 1758)	73	[<i>ceblebrachys</i> (Denny, 1842)]	82
<i>candida</i> Willem, 1902	5	<i>celidoxa</i> (Burmeister, 1838)	81
<i>candidula</i> (Kirschbaum, 1868)	49	<i>centralis</i> Curtis, 1834	99
<i>canis</i> (Curtis, 1826)	89	<i>centranthi</i> Theobald, 1915	55
(<i>Ctenocephalides</i>)		CENTROPTILUM	17
<i>canis</i> (De Geer, 1778)	82	<i>cephalotes</i> (Curtis, 1827)	84
(<i>Trichodectes</i>)		(<i>Dinocras</i>)	

<i>cephalotes</i> (Herrich-Schäffer, 1834)	46	<i>cholodkovskyi</i> (Mordvilko, 1909)	55
(<i>Psammotettix</i>)		CHORTHIPPUS	74
CERACLEA	96	<i>chrysanthemi</i> (Theobald, 1920)	56
<i>cerasi</i> (Fabricius, 1775)	56	(<i>Pleotrichophorus</i>)	
CERATOCOMBUS	19	<i>chrysanthemi</i> (Wolff, 1804)	32
CERATOPHYSELLA	8	(<i>Plagiognathus</i>)	
CERATOPHYLLUS	90	CHRYSOMPHALUS	64
CERATOTHRIPS	92	CHRYSOPA	69
<i>cerea</i> (Germar, 1837)	47	CHRYSOPERLA	69
<i>cerealium</i> Haliday, 1836	93	CHRYSOTROPIA	69
[CERIAGRION]	71	CICADELLA	44
CEROBASIS	85	CICADULA	44
CERURAPHIS	53	<i>cichorii</i> (Koch, 1855)	57
<i>cervinus</i> (Herrich-Schaeffer, 1841)	28	CICONIPHILUS	76
CHADRACEPS	79	[<i>ciliaris</i> (Linnaeus, 1761)]	100
CHAETOPTERYX	98	<i>ciliata</i> (Wesmael, 1841)	69
CHAETOSIPHON	53	CIMEX	34
CHAITOPHORUS	58	<i>cimiciformis</i> von Heyden, 1837	60
CHAMAEPSYLLA	67	CINARA	61
<i>charadrii charadrii</i> (Linnaeus, 1758)	81	<i>cincli</i> (Denny, 1842)	79
<i>charadrii hospes</i> (Nitzsch in Giebel, 1866)	81	CINCLOECUS	79
CHARAGOCHILUS	27	<i>cincta cincta</i> (Herrich-Schaeffer, 1841)	24
CHARTOSCIRTA	24	(<i>Chartoscirta</i>)	
<i>chasteli</i> Beaucournu, Monnat and Launay, 1982	90	<i>cincta</i> (Linnaeus, 1758)	4
CHELOPISTES	78	(<i>Orchesella</i>)	
<i>cheopis</i> (Rothschild, 1903)	89	<i>cincta</i> (Retzius, 1783)	18
CHEUMATOPSYCHE	94	(<i>Paraleptophlebia</i>)	
CHILACIS	36	<i>cinerea</i> Linnaeus, 1758	20
CHILOXANTHUS	24	(<i>Nepa</i>)	
CHIMARRA	96	<i>cinerea</i> (Retzius, 1783)	83
CHIONASPIS	64	(<i>Nemoura</i>)	
<i>chiragra</i> (Fabricius, 1794)	38	<i>cinereus</i> (Curtis, 1834)	96
CHIROTHRIPS	92	(<i>Athripsodes</i>)	
CHLAMYDATUS	31	<i>cinereus</i> (Nicolet, 1842)	7
<i>chloridis</i> (Schrank, 1776)	80	(<i>Vertagopus</i>)	
CHLORIONA	40	<i>cingulatus</i> (Denny, 1842)	79
CHLORITA	48	(<i>Carduiceps</i>)	
<i>chlorizans</i> (Panzer, 1794)	30	<i>cingulatus</i> (Stephens 1837)	100
CHLOROPERLA	84	(<i>Potamophylax</i>)	
		<i>circumflexum</i> Buckton, 1876	56

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<i>cirsii</i> (Linnaeus, 1758)	57	<i>concolor</i> (Kirschbaum, 1856)	31
<i>citri</i> (Risso, 1813)	65	<i>confinis</i> (Berlese, 1908)	15
<i>citrinella</i> (Zetterstedt, 1828)	48	(<i>Acerentulus</i>)	
CIXIUS	40	<i>confinis</i> (Dahlbom, 1850)	46
<i>clarus</i> (Banks, 1908)	88	(<i>Psammotettix</i>)	
<i>clavata</i> Morton, 1905	102	<i>confinis</i> (Koch, 1856)	61
<i>claviculus</i> (Fallén, 1807)	36	(<i>Cinara</i>)	
<i>claviseta</i> Axelson, 1900	10	<i>confinis</i> (Zetterstedt, 1828)	45
CLETHROBIUS	58	(<i>Thamnotettix</i>)	
CLOEON	17	<i>conformis</i> Neboiss, 1963	101
CLOSTEROTOMUS	27	(<i>Glossosoma</i>)	
<i>clypealis</i> (Sahlberg, 1871)	42	<i>conformis</i> (Blagoveshtchensky, 1940)	81
COCCUS	63	(<i>Quadriceps</i>)	
COECOBRYA	3	<i>confusa</i> Walker, 1849	51
COENAGRION	72	(<i>Aphis</i>)	
<i>coenosus</i> Curtis, 1834	99	<i>confusus</i> (Flor, 1861)	47
<i>coerulescens</i> (Fabricius, 1798)	73	(<i>Populicerus</i>)	
<i>coffear</i> (Walker, 1852)	63	<i>confusus</i> Reuter, 1884	33
<i>colchici</i> (Denny, 1842)	78	(<i>Anthocoris</i>)	
<i>coleopratus</i> (Fabricius, 1781)	42	<i>confusus</i> Rieger, 1981	32
(<i>Issus</i>)		(<i>Psallus</i>)	
<i>coleopratus</i> (Zetterstedt, 1819)	19	CONIOPTERYX	70
(<i>Ceratocombus</i>)		<i>connemarae</i> Walton, 1986	24
COLOCERAS	78	CONOCEPHALUS	75
COLPOCEPHALUM	76	CONOMELUS	41
<i>columbae</i> (Gervais, 1844)	90	CONOSANUS	44
(<i>Ceratophyllus</i>)		CONOSTETHUS	31
<i>columbae</i> (Linnaeus, 1758)	79	<i>conspersa</i> (Curtis, 1834)	95
(<i>Columbicola</i>)		(<i>Plectrocnemia</i>)	
COLUMBICOLA	79	[<i>conspersus</i> (Rambur, 1842)]	97
<i>colymbinus</i> (Scopoli, 1763)	78	(<i>Ylodes</i>)	
<i>comes</i> (Walker, 1848)	58	<i>constrictus</i> (Boheman, 1852)	26
<i>commutatus</i> (Rostock, 1874)	96	<i>contaminata</i> (Stephens, 1836)	88
<i>compositellae</i> (Theobald, 1924)	56	(<i>Amphigerontia</i>)	
COMPSIDOLON	31	<i>contaminatus</i> Fallén, 1807	27
<i>concaivfrons</i> (Hopkins, 1960)	82	(<i>Lygocoris</i>)	
<i>concinna</i> (Germar, 1831)	50	<i>contractus</i> (Herrich-Schaeffer, 1835)	37
(<i>Eurhadina</i>)		<i>contubernalis</i> McLachlan, 1865	94
<i>concinna concinna</i> (Fieber, 1848)	21	<i>convergens</i> (Herrich-Schaeffer, 1835)	25
(<i>Paracorixa</i>)		CONWENTZIA	70

<i>cooleyi</i> (Gillette, 1907)	66	<i>crithmi</i> (Low, 1877)	68
<i>CORDULEGASTER</i>	72	(<i>Bactericera</i>)	
<i>CORDULIA</i>	73	<i>critica</i> Ellis, 1976	13
<i>COREUS</i>	35	<i>crocea</i> (Herrich-Schäffer, 1837)	45
<i>coriaceus</i> (Fabricius, 1777)	29	<i>cruciatus</i> (Linnaeus, 1768)	86
<i>CORIXA</i>	21	<i>cruenta</i> (Herrich-Schäffer, 1838)	50
<i>CORIZUS</i>	35	(<i>Fagocyba</i>)	
<i>corni corni</i> (Bouché, 1844)	63	<i>cruentatus</i> (Panzer, 1799)	44
(<i>Parthenolecanium</i>)		(<i>Idiodonus</i>)	
<i>corni</i> (Fabricius, 1775)	51	<i>CRUNOECIA</i>	98
<i>cornicis</i> (De Geer, 1778)	77	<i>CRYPTAPHIS</i>	53
<i>cornuta</i> Mosely, 1922	101	<i>CRYPTOCOCCUS</i>	65
<i>corrodens</i> (Heymons, 1909)	85	<i>CRYPTOMYZUS</i>	54
<i>corsicus</i> (Kolbe, 1882)	86	<i>CRYPTOPYGUS</i>	5
[<i>corticalis</i> Nasonov, 1908]	65	<i>CRYPTOSTEMMA</i>	19
<i>corvi</i> (Linnaeus, 1758)	80	<i>CTENARYTAINA</i>	68
<i>CORVONIRMUS</i>	79	<i>CTENOCEPHALIDES</i>	89
<i>coryli</i> (Linnaeus, 1758)	31	<i>CTENOPHTHALMUS</i>	91
<i>CORYLOBIUM</i>	53	<i>culiciformis</i> (De Geer, 1773)	35
<i>corymbiferarum</i> Haliday, 1836	93	<i>CUMMINGSIELLA</i>	79
<i>COSMOTETTIX</i>	46	<i>CUNCTOCHRYSA</i>	69
<i>costae poissoni</i> Wagner and		<i>CUNEOPALPUS</i>	87
Zimmermann, 1955	23	<i>cunhai</i> Condé, 1950	15
<i>costalis</i> (Curtis, 1834)	102	<i>cunicularius</i> (Linnaeus, 1767)	40
<i>costata</i> (Zetterstedt, 1828)	61	<i>cuniculi</i> (Dale, 1878)	89
<i>craccivora</i> Koch, 1854	51	<i>curvatinervis</i> (Foerster, 1848)	68
<i>CRASPEDOLEPTA</i>	67	<i>curvicollis</i> Bourlet, 1839	3
[<i>CRASPEDORHYNCHUS</i>]	79	[<i>curviseta</i> Brook, 1882]	3
<i>crassicauda</i> (Tullberg, 1871)	7	<i>cuspidata</i> (Fabricius, 1775)	47
<i>crassicornis</i> (Scopoli, 1763)	78	<i>cyanea</i> (Müller, 1764)	72
<i>crataegarius</i> (Walker, 1850)	56	(<i>Aeshna</i>)	
<i>crataegi</i> (Douglas, 1876)	49	<i>cyaneus</i> Tullberg, 1871	3
(<i>Edwardsiana</i>)		(<i>Lepidocyrtus</i>)	
<i>crataegi</i> (Kaltenbach, 1843)	54	<i>cyanophylli</i> (Signoret, 1869)	64
(<i>Dysaphis</i>)		<i>cyanops</i> (Rostock, 1876)	87
<i>crataegi</i> (Schränk, 1801)	67	<i>cyathigerum</i> (Charpentier, 1840)	72
(<i>Cacopsylla</i>)		<i>cyclops</i> Matsumura, 1906	49
<i>CRIOMORPHUS</i>	41	[<i>cygni</i> (Denny, 1842)]	78
<i>crithmi</i> (Buckton, 1886)	54	(<i>Anatoecus</i>)	
(<i>Dysaphis</i>)		[<i>cygni</i> (Linnaeus, 1758)]	80

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(<i>Ornithobius</i>)		(<i>Stenaphorurella</i>)	
<i>CYLLECORIS</i>	29	<i>denisi</i> Bagnall, 1939	10
<i>CYMATIA</i>	20	(<i>Gastranurida</i>)	
<i>CYMUS</i>	36	<i>denisi</i> Mills, 1932	9
<i>CYPHODERUS</i>	3	<i>DENNYUS</i>	76
<i>CYPHOSTETHUS</i>	38	<i>denticornis</i> Haliday, 1836	93
<i>CYRNUM</i>	95	<i>denticulata</i> (Bagnall, 1941)	8
<i>CYRTORHINUS</i>	29	<i>dentipes</i> (O. M. Reuter, 1880)	93
<i>dahlbomi</i> (Zetterstedt, 1840)	46	(<i>Bolothrips</i>)	
<i>DAKTULOSPRAIRA</i>	66	<i>dentipes</i> Thomson, 1869	21
<i>dalecarlica</i> Kolenati, 1848	98	(<i>Corixa</i>)	
<i>dalii</i> McLachlan, 1866	71	<i>depressa</i> Linnaeus, 1758	73
(<i>Sisyra</i>)		(<i>Libellula</i>)	
<i>dalii</i> (McLachlan, 1867)	88	<i>depressus depressus</i> (Fabricius, 1794)	35
(<i>Trichopsocus</i>)		(<i>Aradus</i>)	
<i>DAMALINIA</i>	82	<i>DERAEOCORIS</i>	26
<i>damicornis</i> (Nitzsch, 1866)	78	<i>DEREPHYSIA</i>	25
<i>danae</i> (Sulzer, 1776)	73	<i>DESORIA</i>	6
<i>danica</i> Müller, 1764	19	<i>DEUTERAPHORURA</i>	11
<i>dasyncnema</i> (<i>dasyncnema</i> (Rothschild, 1897))	91	<i>DEUTEROSMINTHURUS</i>	14
<i>DASYPSYLLUS</i>	90	<i>devoniensis</i> (Green, 1896)	65
<i>debilis</i> (Douglas, 1876)	50	<i>DIASPIDIOTUS</i>	64
(<i>Ribautiana</i>)		<i>DIASPIS</i>	64
<i>debilis</i> (Moniez, 1890)	12	<i>DICHOCHRYSIA</i>	70
(<i>Thalassaphorura</i>)		<i>DICHROOSCYTUS</i>	27
<i>decimfasciatus</i> (Boisduval and Lacordaire, 1835)	76	<i>DICRANOCEPHALUS</i>	35
<i>decimusquartus</i> (Schränk, 1776)	47	<i>DICRANOTROPIS</i>	41
<i>decipiens</i> Denis, 1925	3	<i>Dictyla</i>	25
(<i>Pseudosinella</i>)		<i>dictyospermi</i> (Morgan, 1889)	64
<i>decipiens</i> (Kolenati, 1848)	99	<i>DICYPHUS</i>	26
(<i>Limnephilus</i>)		<i>DICYRTOMA</i>	14
<i>decipiens</i> Paoli, 1930	48	<i>DICYRTOMINA</i>	14
(<i>Empoasca</i>)		<i>didymus</i> Roesler, 1939	87
<i>decoratus</i> (Hahn, 1833)	37	<i>digitatus</i> (Schränk, 1781)	99
<i>delicatulus</i> McLachlan, 1884	100	<i>dilatatus</i> (Herrich-Schaeffer, 1840)	38
<i>DELPHACINUS</i>	41	<i>DILTA</i>	69
<i>DELPHAX</i>	41	<i>dilutior</i> (Kirschbaum, 1868)	45
<i>DELTOCEPHALUS</i>	45	<i>dimidiatus</i> Kirschbaum, 1856	28
<i>denisi</i> (Bagnall, 1935)	13	<i>diminutus</i> (Leonardi, 1918)	65
		<i>DINOCRAS</i>	84

<i>DIPLECTRONA</i>	94	<i>domestica</i> (Nicolet, 1841)	4
<i>diplophthalma</i> (Axelson, 1902)	5	(<i>Seira</i>)	
<i>diptera</i> (Burmeister, 1839)	71	<i>domestica</i> (Packard, 1837)	102
(<i>Psectra</i>)		(<i>Thermobia</i>)	
<i>dipterum</i> (Linnaeus, 1761)	17	<i>domestica</i> (Smithers, 1958)	85
(<i>Cloeon</i>)		(<i>Dorypteryx</i>)	
<i>dirhodum</i> (Walker, 1848)	55	<i>domesticus</i> (Linnaeus, 1758)	74
<i>discolor</i> (Boheman, 1847)	41	(<i>Acheta</i>)	
(<i>Javesella</i>)		<i>DORATOPSYLLA</i>	91
<i>discolor</i> Haliday, 1836	93	<i>dorsalis</i> (Curtis, 1834)	102
(<i>Thrips</i>)		(<i>Rhyacophila</i>)	
<i>discrepans</i> (Flor, 1861)	68	<i>dorsalis</i> (Latreille, 1804)	75
<i>dispar</i> (Boheman, 1852)	30	(<i>Conocephalus</i>)	
(<i>Mecomma</i>)		<i>dorsalis</i> (Leach, 1817)	21
<i>dispar</i> (Curtis, 1834)	18	(<i>Sigara</i>)	
(<i>Ecdyonurus</i>)		<i>DORYPTERYX</i>	85
<i>dispar</i> (Haliday, 1836)	92	<i>DREPANOSIPHUM</i>	59
(<i>Baliothrips</i>)		<i>DRUSUS</i>	98
[<i>dissimilis</i> (Denny, 1842)]	78	<i>dryas</i> Kirby, 1890	71
(<i>Oulocrepis</i>)		<i>DRYMUS</i>	37
<i>dissimilis</i> (Stephens, 1836)	96	<i>dryophila</i> Schrank, 1801	62
(<i>Ceraclea</i>)		<i>DRYOPHILOCORIS</i>	29
<i>distincta</i> (Fieber, 1848)	21	<i>dubia</i> (Kirschbaum, 1868)	41
(<i>Sigara</i>)		(<i>Javesella</i>)	
<i>distinctus</i> (Flor, 1861)	42	<i>dubius</i> (Rambur, 1842)	95
(<i>Nothodelphax</i>)		(<i>Holocentropus</i>)	
<i>distinguenda</i> Edwards, 1913	68	<i>DUFOURIELLUS</i>	34
(<i>Psyllopsis</i>)		<i>DYSAPHIS</i>	
<i>distinguendus</i> (Kirschbaum, 1868)	40	<i>DYSMICOCCUS</i>	65
(<i>Cixius</i>)		<i>ECCLISOPTERYX</i>	98
<i>distinguendus</i> (Kirschbaum, 1868)	47	<i>ECDYONURUS</i>	18
(<i>Tremulicerus</i>)		{ <i>ECHIDNOPHAGA</i> }	89
<i>DITROPIS</i>	41	<i>ECHINOTHRIPS</i>	92
<i>DIURA</i>	84	<i>ECNOMUS</i>	94
<i>DIURAPHIS</i>	54	<i>ECTOPSOCUS</i>	86
<i>dives</i> (Pictet, 1834)	95	<i>edinensis</i> (Bagnall, 1935)	12
[<i>divinatoria</i> (Mueller, 1776)]	85	<i>EDWARDSIANA</i>	49
<i>dolabrata</i> (Linnaeus, 1758)	29	<i>ELASMOSTETHUS</i>	38
<i>dollfusi</i> (Denis, 1924)	3	<i>ELASMUCHA</i>	38
<i>DOLYCORIS</i>	39	<i>ELATOBIMUM</i>	54

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<i>ELECTROGENA</i>	18	<i>ericae</i> (Haliday, 1836)	92
<i>elegans</i> Curtis, 1834	99	(<i>Ceratothrips</i>)	
(<i>Limnephilus</i>)		<i>ericae</i> (Horváth, 1908)	36
<i>elegans</i> (Fitch, 1863)	14	(<i>Kleidocerys</i>)	
(<i>Sminthurinus</i>)		<i>ericetorum ericetorum</i> (Fallén, 1807)	30
<i>elegans</i> (Flor, 1861)	47	(<i>Orthotylus</i>)	
(<i>Metidiocerus</i>)		<i>ericetorum</i> Scholtz, 1847	33
<i>elegans</i> (Vander Linden, 1820)	72	(<i>Nabis</i>)	
(<i>Ischnura</i>)		<i>erinacei erinacei</i> (Bouché, 1835)	89
<i>elegantula</i> (Baerensprung, 1858)	25	<i>ERIOCOCCUS</i>	65
(<i>Loricula</i>)		[<i>ERIOPELTIS</i>]	63
<i>elegantula longicornis</i> (Jakovlev, 1882)	24	<i>eriphori</i> (Walker, 1848)	53
(<i>Chartoscirta</i>)		<i>ERIOSOMA</i>	59
<i>elegantulus</i> (Boheman, 1847)	41	<i>ermineae</i> (Hopkins, 1941)	82
(<i>Hyledelphax</i>)		<i>EROTESIS</i>	97
<i>ELENCHUS</i>	92	<i>errans</i> (Wolff, 1804)	26
<i>ELIPSOCUS</i>	87	<i>ERRASTUNUS</i>	46
<i>ellipsoides</i> Stach, 1949	10	[<i>erratica</i> Claassen, 1936]	83
<i>elongatus</i> (Curtis, 1832)	90	(<i>Nemoura</i>)	
<i>ELYMANA</i>	44	<i>erratica</i> (Linnaeus, 1758)	29
<i>EMELYANOVIANA</i>	48	(<i>Notostira</i>)	
<i>EMPICORIS</i>	35	<i>ERYTHROMMA</i>	72
<i>EMPOASCA</i>	48	<i>EUBORELLIA</i>	16
<i>ENALLAGMA</i>	72	<i>EUCALLIPTERUS</i>	58
<i>ENDERLEINELLA</i>	86	<i>eucalypti</i> (Maskell, 1890)	68
<i>ENDERLEINELLUS</i>	77	<i>EUCERAPHIS</i>	58
<i>enervis</i> Herrich-Schaeffer, 1835	38	<i>EUCONOMELUS</i>	41
<i>engadinensis</i> (Gisin, 1949)	8	<i>EULACHNUS</i>	61
<i>ENTOMOBRYA</i>	3	<i>EULECANIUM</i>	63
<i>EOSENTOMON</i>	15	<i>EUPELIX</i>	47
<i>EPHEMERA</i>	19	<i>euphorbiae</i> (Thomas, 1878)	55
<i>EPHEMERELLA</i>	18	<i>euphorbiellum</i> Theobald, 1917	55
<i>ephippiger</i> (Burmeister, 1839)	72	<i>EUPTERYCYBA</i>	49
<i>EPICAECILIUS</i>	86	<i>EUPTERYX</i>	49
<i>epilobii</i> Kaltenbach, 1843	52	<i>EURHADINA</i>	50
(<i>Aphis</i>)		{ <i>EURYDEMA</i> }	39
<i>epilobii</i> Reuter, 1883	26	<i>EURYGASTER</i>	39
(<i>Dicyphus</i>)		<i>euryrhyncha</i> (Giebel, 1874)	81
<i>ericae</i> (Curtis, 1835)	68	<i>EURYSA</i>	41
(<i>Strophingia</i>)		<i>eurysternus</i> (Nitzsch, 1818)	78

<i>(Haematopinus)</i>		<i>ferus</i> (Linnaeus, 1758)	33
<i>eurysternus minusculus</i> Blagoveshtchensky, 1940	76	[<i>festucae</i> (Boyer de Fonscolombe, 1834)]	63
<i>(Menacanthus)</i>		<i>(Eriopeltis)</i>	
<i>EUSCELIS</i>	44	<i>festucae</i> (Theobald, 1917)	55
<i>EVACANTHUS</i>	44	<i>(Macrosiphum)</i>	
<i>exilis</i> Fallén, 1807	25	<i>fieberi</i> (Edwards, 1889)	45
<i>(Loricula)</i>		<i>(Macrosteles)</i>	
<i>exilis</i> (Nitzsch in Giebel, 1861)	82	<i>fieberi</i> (Fieber, 1864)	32
<i>(Lutridia)</i>		<i>(Psallodema)</i>	
<i>exilis</i> (Weber and Mohr, 1804)	66	<i>FIEBEROCAPSUS</i>	30
<i>(Aphalara)</i>		<i>filicis</i> (Linnaeus, 1758)	26
[<i>extricatus</i> McLachlan, 1865]	99	<i>filicum</i> (Newman, 1853)	49
<i>extrusa</i> (Scott, 1871)	41	[<i>fimbriata</i> (Pictet, 1834)]	97
<i>fabae</i> Scopoli, 1763	51	<i>finetaria</i> (Linnaeus, 1758)	5
<i>fagesii</i> (Guinard, 1879)	102	<i>finetarioides</i> (Axelson, 1903)	5
<i>fagi</i> (Linnaeus, 1767)	62	<i>FIORINIA</i>	64
<i>fagisuga</i> Lindinger, 1936	65	<i>fioriniae</i> (Targioni Tozzetti, 1867)	64
<i>FAGOCYBA</i>	50	[<i>fissus</i> (Burmeister, 1838)]	81
<i>fairmairei</i> (Perris, 1857)	41	<i>flammigera</i> (Geoffroy in Fourcroy, 1785)	49
<i>falcata</i> Morton, 1893	101	<i>flava</i> Mordvilko, 1928	58
<i>falcifer</i> Künckel d'Herculeis, 1878	65	<i>(Calaphis)</i>	
<i>fallax</i> (Börner, 1903)	3	<i>flava</i> (Scopoli, 1763)	70
<i>falleni</i> (Fieber, 1848)	21	<i>(Nineta)</i>	
<i>(Sigara)</i>		<i>flavellus</i> Stichel, 1933	32
<i>falleni</i> Reuter, 1883	32	<i>flaveolum</i> (Linnaeus, 1758)	73
<i>(Psallus)</i>		<i>(Sympetrum)</i>	
<i>fallenoidea</i> (Hungerford, 1926)	22	<i>flaveolus</i> (Reuter, 1870)	30
<i>farfarae</i> (Koch, 1854)	53	<i>(Fieberocapsus)</i>	
<i>farinosa</i> J. F. Gmelin, 1790	51	<i>flavescens</i> (Tullberg, 1871)	8
<i>farreni farreni</i> Rotschild, 1905	90	<i>flavicollis</i> (Linnaeus, 1761)	48
<i>fasciata</i> (Fabricius, 1787)	88	<i>flavicornis</i> (Fabricius, 1787)	99
<i>(Loensia)</i>		<i>(Limnophilus)</i>	
<i>fasciatus</i> (Bosc, 1800)	91	<i>flavicornis</i> (Pictet, 1834)	101
<i>(Nosopsyllus)</i>		<i>(Oxyethira)</i>	
<i>FELICOLA</i>	82	<i>flavidus</i> McLachlan, 1864	95
<i>felis felis</i> (Bouché, 1835)	89	<i>(Cyrnus)</i>	
<i>felix</i> McLachlan, 1878	94	<i>flavidus</i> (Stephens, 1836)	86
<i>fennahi</i> Young, 1977	44	<i>(Caecilius)</i>	
<i>ferrugata</i> (Fallén, 1807)	29	<i>flavifrons</i> (Brauer, 1850)	70
		<i>flavinervis</i> (Kirschbaum, 1856)	30

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<i>flavipennis</i> (Foerster, 1848) (<i>Craspedolepta</i>)	67	<i>fracticollis</i> (Schilling, 1829)	38
<i>flavipennis</i> (Zetterstedt, 1828) (<i>Notus</i>)	48	<i>fragaefolii</i> (T. D. A. Cockerell, 1901)	53
<i>flavomaculatus</i> (Fabricius, 1794) (<i>Globiceps</i>)	30	<i>fragariae</i> (Walker, 1848)	57
<i>flavomaculatus</i> (Pictet, 1834) (<i>Polycentropus</i>)	95	<i>fragilis</i> Meinert, 1865 (<i>Campodea</i>)	15
[<i>flavomarginatus</i> (Donovan, 1798)] (<i>Capsodes</i>)	27	<i>fragilis</i> (Pictet, 1834) (<i>Psychomyia</i>)	95
<i>flavomarginatus</i> Scholtz, 1847 (<i>Nabis</i>)	33	<i>franciscoi</i> Conci, 1942	77
<i>flavoquadrinaculatus</i> (De Geer, 1773)	29	<i>frangulae</i> Kaltenbach, 1845	52
<i>flavosparsus</i> (C. R. Sahlberg, 1841)	30	FRANKLINIELLA	92
<i>flavostriatus</i> (Donovan, 1799)	43	<i>fraxini</i> (Fabricius, 1777) (<i>Prociphilus</i>)	60
<i>flavus</i> Schrank, 1776 (<i>Thrips</i>)	93	<i>fraxini</i> (Linnaeus, 1758) (<i>Psyllopsis</i>)	68
<i>floccifera</i> (Westwood, 1870)	63	<i>fraxinicola</i> (Foerster, 1848)	68
<i>floccosa</i> (De Geer, 1778)	65	<i>fregili</i> (Denny, 1842)	76
FLORODELPHAX	41	<i>frequens</i> (Walker, 1848)	54
<i>foeniculi</i> Passerini, 1860	54	<i>frici</i> Klapálek, 1891	101
<i>foersteri</i> (Flor, 1861)	66	FRIESEA	9
<i>foliacea foliacea</i> Fallén, 1807	25	<i>fringillae</i> De Geer, 1778 (<i>Ricinus</i>)	77
FOLSOMIA	5	<i>fringillae fringillae</i> (Scopoli, 1772) (<i>Philopterus</i>)	80
FOLSOMIDES	5	<i>frontalis</i> (Herrich-Schäffer, 1835) (<i>Cicadula</i>)	44
<i>fonscolombii</i> Foerster, 1848 (<i>Spanioneura</i>)	68	<i>frontalis</i> (Scott, 1875) (<i>Macrosteles</i>)	45
<i>fonscolombii</i> (Sélys, 1840) (<i>Sympetrum</i>)	73	FRONTOPSYLLA	89
FORCIPATA	48	<i>frustrator</i> (Edwards, 1908)	49
<i>forcipata</i> (Boheman, 1847) (<i>Javesella</i>)	41	FULICOFFULA	79
<i>forcipata</i> (Eaton, 1873) (<i>Hydroptila</i>)	101	<i>fuliginus</i> (Geoffroy, 1785)	38
FORDA	60	<i>fulva</i> Müller, 1764 (<i>Libellula</i>)	73
FORFICULA	16	<i>fulva</i> (Rambur, 1842) (<i>Ceraclea</i>)	96
<i>formicaria</i> von Heyden, 1837	60	<i>fulvicephalus</i> (Scopoli, 1763)	71
<i>formicarum</i> Newstead, 1893	63	<i>fulvicollis</i> Jakovlev, 1877	30
<i>forsslundi</i> Gisin, 1949	10	<i>fulvipes</i> Curtis, 1834	94
<i>fossarum</i> (Leach, 1817)	22	<i>fulvomaculata</i> (Denny, 1842)	76
		<i>funestum</i> (Macchiati, 1885)	55

<i>furcata</i> Mulsant and Rey, 1852	23	<i>genistae</i> (Latreille, 1804)	66
(<i>Mesovelia</i>)		GEOICA	60
<i>furcata</i> (Theobald, 1915)	51	<i>geometrica</i> (Schrank, 1801)	49
(<i>Anoecia</i>)		<i>germanica</i> Eaton, 1885	18
<i>furcifera</i> (Börner, 1901)	12	(<i>Rhithrogena</i>)	
<i>furva</i> (Rambur, 1842)	97	<i>germanica</i> (Linnaeus, 1767)	17
<i>fusca</i> (Linnaeus, 1758)	14	(<i>Blattella</i>)	
(<i>Allacma</i>)		<i>germanica</i> Linnaeus, 1758	68
<i>fusca</i> (Linnaeus, 1758)	83	(<i>Panorpa</i>)	
(<i>Leuctra</i>)		<i>germari</i> (Fieber, 1848)	20
<i>fusca</i> (Lubbock, 1873)	14	(<i>Arctocorisa</i>)	
(<i>Dicyrtoma</i>)		<i>germari</i> (Zetterstedt, 1840)	50
[<i>fuscatus</i> (Linnaeus, 1761)]	17	(<i>Wagneripteryx</i>)	
<i>fuscinervis</i> (Zetterstedt, 1840)	99	GERRIS	23
<i>fuscipennis</i> Haliday, 1836	93	<i>gibbosa</i> (Bagnall, 1940)	8
<i>fuscipes</i> Curtis, 1834	100	(<i>Ceratophysella</i>)	
<i>fuscogrisea</i> (Retzius, 1783)	18	<i>gibbosa</i> (Sulzer, 1776)	88
<i>fuscopterus</i> (Latreille, 1799)	86	(<i>Psococerastis</i>)	
<i>fuscovittatus</i> (Stål, 1858)	42	GLAENOCORISA	20
<i>fuscula</i> (Zetterstedt, 1828)	47	<i>glandicolor</i> Hahn, 1832	36
<i>fuscus</i> (Denny, 1842)	79	<i>glandulosus</i> (Kaltenbach, 1846)	56
<i>galactinus</i> Fieber, 1836	34	<i>glauca glauca</i> Linnaeus, 1758	22
<i>galeopsidis</i> (Kaltenbach, 1843)	54	GLOBICEPS	30
<i>galii</i> Foerster, 1848	68	GLOSSOSOMA	101
<i>galiophagum</i> (Wimshurst, 1923)	55	<i>glyceriae</i> (Kaltenbach, 1843)	59
<i>gallarumulmi</i> (De Geer, 1773)	33	GLYPHINA	62
{ <i>gallinacea</i> (Westwood, 1875)}	89	GLYPHOTAELIUS	98
<i>gallinae</i> (Schrank, 1803)	90	GOERA	98
<i>gallinulae gallinulae</i> (Dale, 1878)	91	GOMPHUS	73
GAMPSOCORIS	36	GONIODES	78
<i>garei</i> Rothschild, 1902	90	<i>gracilentata</i> Horváth, 1899	23
<i>garretti</i> Bagnall, 1939	6	<i>gracilis</i> Horváth, 1907	33
<i>garruli</i> Boisduvale and Lacordaire, 1835	80	(<i>Temnostethus</i>)	
GASTRANURIDA	10	<i>grammatica</i> (Poda, 1761)	84
GASTRODES	37	GRAMMOTAULIUS	98
<i>gei</i> (Koch, 1855)	55	<i>granaria</i> (Nicolet, 1847)	10
<i>geniculata</i> McLachlan, 1871	95	<i>grandis</i> Horváth, 1880	37
(<i>Plectrocnemia</i>)		(<i>Scolopostethus</i>)	
[<i>geniculatus</i> Hahn, 1832]	38	<i>grandis</i> (Linnaeus, 1758)	72
(<i>Peritrechus</i>)		(<i>Aeshna</i>)	

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<i>grandis</i> Linnaeus, 1758	100	<i>HAEMATOPINUS</i>	78
(<i>Phryganea</i>)		<i>HAEMODIPSUS</i>	77
<i>granulata</i> Stach, 1949	8	<i>haemorrhoidale</i> (Linnaeus, 1758)	38
<i>GRAPHOCEPHALA</i>	44	(<i>Acanthosoma</i>)	
<i>GRAPHOPSOCUS</i>	86	<i>haemorrhoidalis</i> (Bouché, 1833)	93
<i>grassei</i> (Denis, 1923)	10	(<i>Heliothrips</i>)	
{ <i>gregaria</i> (Forskål, 1775)}	74	<i>HALESUS</i>	99
<i>grisea</i> Axelson, 1900	9	<i>HALICTOXENOS</i>	92
(<i>Xenylla</i>)		<i>halidayi</i> Bagnall, 1924	93
<i>grisea</i> (Linnaeus, 1758)	38	<i>HALISOTOMA</i>	7
(<i>Elasmucha</i>)		<i>HALLODAPUS</i>	31
<i>griseoptera</i> (De Geer, 1773)	75	<i>HALOENTOMOBRYA</i>	3
<i>griseola</i> Horváth, 1899	20	<i>halophila</i> (Bagnall, 1937)	13
<i>griscens</i> (Zetterstedt, 1828)	45	(<i>Thalassaphorura</i>)	
<i>griseus</i> Douglas and Scott, 1870	31	<i>halophila</i> (Hardy, 1868)	65
(<i>Conostethus</i>)		(<i>Ripersiella</i>)	
<i>griseus</i> (Linnaeus, 1758)	99	<i>HALOSALDA</i>	24
(<i>Limnephilus</i>)		<i>HAMAMELISTES</i>	61
<i>grossipes grossipes</i> (De Geer, 1773)	37	<i>hamata</i> (Boheman, 1847)	41
<i>grossulariae</i> Kaltenbach, 1843	52	<i>HAPLOTHRIPS</i>	93
<i>grossum</i> (Linnaeus, 1758)	74	<i>HARPOCERA</i>	31
{ <i>GRYLLODES</i> }	74	<i>hartigii</i> (Flor, 1861)	67
<i>GRYLLOTALPA</i>	75	<i>HAUPTIDIA</i>	49
<i>gryllotalpa</i> (Linnaeus, 1758)	75	<i>HAYHURSTIA</i>	54
<i>GRYPOCORIS</i>	27	<i>HEBRUS</i>	23
<i>guestfalica</i> (Kolbe, 1880)	85	<i>hederae</i> Kaltenbach, 1843	52
[<i>guttata</i> Pictet, 1834]	94	<i>helichrysi</i> (Kaltenbach, 1843)	53
(<i>Hydropsyche</i>)		<i>HELIOTHRIPS</i>	93
<i>guttatus</i> Denny, 1842	80	<i>helvimacula</i> (Enderlein, 1901)	87
(<i>Philopterus</i>)		<i>HEMEROBIUS</i>	70
<i>guttula</i> (Germar, 1818)	42	<i>HEPTAGENIA</i>	18
(<i>Kelisia</i>)		<i>hesperidum hesperidum</i> Linnaeus, 1758	63
[<i>guttulata</i> (Pictet, 1834)]	98	<i>HESPEROCORIXA</i>	21
(<i>Ecclisopteryx</i>)		<i>HETEROCORDYLUS</i>	30
<i>guttulifera</i> (Kirschbaum, 1868)	42	[<i>HETEROGASTER</i>]	36
<i>gyllenhalii</i> (Fallén, 1807)	27	<i>HETEROMURUS</i>	4
<i>GYMNASPIS</i>	64	<i>HETEROSMINTHURUS</i>	14
<i>gyricornis</i> (Denny, 1842)	80	<i>HETEROTOMA</i>	30
<i>haematodes</i> (Gmelin, 1790)	32	<i>hexactenus</i> (Kolenati, 1856)	90
<i>haematopi</i> (Linnaeus, 1758)	81		

<i>hiaticulae hiaticulae</i> (O. Fabricius, 1780)	79	<i>hyalinus</i> (Stephens, 1836)	87
<i>hiaticulae boeophilus</i> (Kellogg, 1896)	79	(<i>Elipsocus</i>)	
<i>hibernica</i> (Carpenter, 1907)	69	HYALOPTEROIDES	54
HIMACERUS	33	HYALOPTERUS	52
<i>hippophaes</i> (Foerster, 1848)	67	HYDATOPHYLAX	99
<i>hippopus</i> Kempny, 1899	83	HYDROMETRA	23
<i>hirsutus</i> (Pictet, 1834)	99	HYDROPSYCHE	94
<i>hirtellus</i> Haliday, 1838	59	HYDROPTILA	101
(<i>Atheroides</i>)		HYLEDELPHAX	41
<i>hirtum</i> (Fabricius, 1775)	98	<i>hyoscyami</i> (Linnaeus, 1758)	35
<i>hirundinis</i> (Curtis, 1826)	90	HYPEROMYZUS	54
(<i>Ceratophyllus</i>)		<i>hypochoeridis</i> (Börner, 1940)	52
<i>hirundinis</i> (Lamarck, 1816)	34	(<i>Aphis</i>)	
(<i>Oeciacus</i>)		<i>hypochoeridis</i> (Fabricius, 1779)	57
<i>hirundinis</i> (Linnaeus, 1758)	76	(<i>Uroleucon</i>)	
(<i>Dennyus</i>)		HYPOGASTRURA	9
<i>histrionicus</i> (Fabricius, 1794)	43	HYSTRICHOPSYLLA	91
<i>histrionius</i> (Linnaeus, 1767)	29	IASSUS	47
<i>holci</i> (Hille Ris Lambers, 1956)	54	<i>iberica</i> Jansson, 1981	21
HOLOCENTROPUS	95	IBIDOECUS	79
<i>holophaeus</i> (Burmeister, 1838)	80	[ICERYA]	65
<i>holsata</i> (Fabricius, 1787)	29	[<i>icterodes</i> (Nitzsch, 1818)]	78
HOPLOPLEURA	77	<i>idaei</i> (Börner, 1930)	52
HOPLOTHRIPS	93	(<i>Amphorophora</i>)	
<i>horaria</i> (Linnaeus, 1758)	19	<i>idaei</i> van der Goot, 1912	52
<i>horii beuthani</i> (Börner, 1950)	58	(<i>Aphis</i>)	
<i>hortensis</i> (Fitch, 1863)	14	IDIOCERUS	47
<i>horvathi</i> (Wagner, 1935)	45	IDIODONUS	44
<i>howardi howardi</i> (Baker, 1895)	91	IDIOPTERUS	54
HOWARDIA	64	<i>ignavus</i> McLachlan, 1865	99
<i>hukkineni</i> Priesner, 1939	93	<i>igniceps</i> (Reuter, 1881)	14
<i>humanus</i> Linnaeus, 1758	78	<i>ignita</i> (Poda, 1761)	19
<i>humboldtii</i> (Essig, 1941)	57	[<i>iliaci</i> (Denny, 1842)]	78
<i>humicola</i> (O. Fabricius, 1780)	9	<i>ilicis</i> Kaltenbach, 1843	52
<i>humilis</i> (Walker, 1852)	54	ILLINOIA	54
<i>humuli</i> (Schränk, 1801)	56	<i>immaculata</i> (Lie-Pettersen, 1896)	3
<i>humulinus</i> Linnaeus, 1758	70	(<i>Pseudosinella</i>)	
HYADAPHIS	54	<i>immaculatus</i> (Heeger, 1856)	51
<i>hyalinus</i> Fabricius, 1794	35	(<i>Siphoninus</i>)	
(<i>Liorhyssus</i>)		<i>immaculatus</i> (Stephens, 1836)	86

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(<i>Stenopsocus</i>)		<i>ISCHNODEMUS</i>	36
<i>immsiana</i> Bagnall, 1939	10	<i>ISCHNOPSYPHUS</i>	90
<i>immunis</i> (Stephens, 1836)	87	<i>ISCHNURA</i>	72
<i>imperator</i> Leach, 1815	72	<i>ISOPERLA</i>	84
<i>impunctatus zetlandicus</i> McLachlan, 1884	99	<i>isostoma</i> (Nitzsch, 1866)	77
<i>impura</i> (Boheman, 1847)	47	<i>ISOTOMA</i>	7
<i>incisus</i> Curtis, 1834	99	<i>ISOTOMIELLA</i>	5
(<i>Limnephilus</i>)		<i>ISOTOMODES</i>	5
<i>incisus</i> (Kirschbaum, 1858)	44	<i>ISOTOMURUS</i>	7
(<i>Euscelis</i>)		<i>ISSUS</i>	42
<i>inconspicua</i> (Douglas and Scott, 1871)	25	{ <i>italicus</i> (Linnaeus, 1758)}	74
<i>inermis</i> Kempny, 1899	83	<i>ITHYTRICHIA</i>	102
(<i>Leuctra</i>)		<i>IZIPHIA</i>	62
<i>inermis</i> Salmon, 1955	75	<i>jaceae</i> Linnaeus, 1758	57
(<i>Acanthoxyla</i>)		<i>JACKSONIA</i>	55
<i>inermis</i> Tullberg, 1871	11	<i>jacobaeae</i> Schrank, 1801	52
(<i>Deuteraphorura</i>)		<i>jacutensis</i> Mordvilko, 1931	62
<i>infumatus</i> (McLachlan, 1865)	99	<i>japonicus</i> (Uchida, 1915)	77
<i>inoculata</i> Stach, 1947	5	<i>JASSARGUS</i>	46
<i>inopinatus</i> Eaton, 1887	17	<i>JAVESELLA</i>	41
[<i>inquilinus</i> Heyden, 1850]	85	<i>jucunda</i> (Herrich-Schäffer, 1837)	49
<i>insignis</i> (Eaton, 1870)	18	<i>juncea</i> (Linnaeus, 1758)	72
<i>insolutus</i> McLachlan, 1878	95	(<i>Aeshna</i>)	
<i>instabilis</i> (Curtis, 1834)	94	<i>junceus</i> (Scopoli, 1763)	81
<i>intermedia</i> (Boheman, 1845)	44	(<i>Quadriceps</i>)	
(<i>Cicadula</i>)		<i>junci</i> (Schrank, 1789)	67
<i>intermedia</i> Mills, 1934	9	<i>JUNCOBIA</i>	62
(<i>Willemia</i>)		<i>juncorum</i> Bagnall, 1913	93
<i>intermedius</i> (Rothschild, 1898)	90	<i>KAGERONIA</i>	18
(<i>Ischnopsyllus</i>)		<i>KAKOTHRIPS</i>	93
<i>interruptus</i> (Linnaeus, 1758)	44	<i>KALAMA</i>	25
<i>interstinctus</i> (Linnaeus, 1758)	38	<i>KALAPHORURA</i>	11
<i>iowensis</i> (Mills, 1932)	13	<i>kalmii</i> (Linnaeus, 1758)	28
<i>irritans</i> Linnaeus, 1758	89	<i>KALTENBACHIELLA</i>	59
<i>irrorata</i> (Curtis, 1834)	98	<i>KELERINIRMUS</i>	79
(<i>Crunoecia</i>)		<i>KELISIA</i>	42
<i>irroratus</i> (Curtis, 1835)	95	<i>kelloggi</i> (Ribaga, 1905)	85
(<i>Polycentropus</i>)		[<i>KERMES</i>]	65
<i>ISCHNASPIS</i>	64	<i>kingi</i> McLachlan, 1881	95
<i>ISCHNOCORIS</i>	37	<i>KLEIDOCERYS</i>	36

<i>kochiana</i> (Börner, 1939)	61	<i>lari</i> (O. Fabricius, 1780)	81
KOENIGINIRMUS	79	<i>laricis</i> Nicolet, 1842	4
<i>krausbaueri</i> Börner, 1901	13	(<i>Anurophorus</i>)	
KYBOS	48	<i>laricis</i> Vallot, 1836	66
LABIA	16	(<i>Adelges</i>)	
LACHESILLA	87	<i>lasiocarpae</i> Ossiannilsson, 1981	44
LACHNUS	61	LASIOSOMUS	38
<i>lactucae</i> (Linnaeus, 1758)	54	<i>lateralis</i> (Curtis, 1834)	18
<i>lacustris</i> Eaton, 1870	18	(<i>Electrogena</i>)	
(<i>Siphonurus</i>)		<i>lateralis</i> (Fallén, 1807)	24
<i>lacustris</i> (Linnaeus, 1758)	24	(<i>Halosalda</i>)	
(<i>Gerris</i>)		<i>lateralis</i> (Leach, 1817)	22
<i>lacustris</i> (Pictet, 1834)	97	(<i>Sigara</i>)	
(<i>Oecetis</i>)		<i>lateralis</i> Schummel, 1832	24
LAEMOBOTHRION	76	(<i>Gerris</i>)	
<i>laeta</i> (Jordan and Rothschild, 1920)	89	<i>lateralis</i> (Stephens, 1837)	100
<i>laetitia</i> Rothschild, 1908	89	(<i>Micropterna</i>)	
<i>laevigata</i> (Linnaeus, 1758)	29	<i>laticollis</i> (Reuter, 1884)	34
(<i>Stenodema</i>)		<i>latipennis</i> (Curtis, 1834)	100
<i>laevigatus laevigatus</i> (Fieber, 1860)	34	LECANOPSIS	63
(<i>Orius</i>)		<i>lectularius</i> Linnaeus, 1758	34
<i>laevis</i> (Ribaut, 1927)	45	<i>leegei</i> (Börner, 1940)	62
[LAGOPOECUS]	80	<i>lentisci</i> (Passerini, 1856)	60
LAINGIA	59	<i>lepida</i> (Pictet, 1834)	94
<i>lambersi</i> (MacGillivray, 1960)	55	LEPIDOCYRTUS	3
<i>lamellaris</i> Eaton, 1873	102	LEPIDOSAPHES	64
<i>laminatipes</i> (Bagnall, 1937)	11	LEPIDOSTOMA	98
<i>laminatus</i> (Flor, 1861)	47	<i>lepidus</i> (Boheman, 1847)	41
LAMPROPLAX	37	(<i>Euconomelus</i>)	
LAMPROTETTIX	45	<i>lepidus</i> Fieber, 1858	32
<i>lampsanae</i> (Börner, 1932)	54	(<i>Psallus</i>)	
<i>lanigerum</i> Hausmann, 1802	59	LEPINOTUS	85
<i>lanio</i> (Linnaeus, 1761)	47	LEPISMA	102
<i>lankesteri</i> Silvestri, 1912	15	<i>leporinus</i> (Linnaeus, 1761)	40
<i>lanuginosa</i> (Nicolet, 1841)	3	LEPTOCERUS	97
(<i>Entomobrya</i>)		LEPTOPHLEBIA	18
<i>lanuginosus</i> (Gmelin, 1788)	3	LEPTOPHYES	75
(<i>Lepidocyrtus</i>)		LEPTOPSYLLA	89
LAODELPHAX	41	LEPTOPTERNA	29
<i>lappae</i> (Koch, 1854)	54	<i>leptopygos</i> Nitzsch in Giebel, 1874	76

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<i>leptosoma</i> (Flor, 1861)	41	<i>LIOCORIS</i>	27
<i>lesnei</i> Finot, 1887	16	<i>LIORHYSSUS</i>	35
<i>LESTES</i>	71	<i>LIPOSCELIS</i>	85
<i>lethierryi</i> (Edwards, 1881)	49	<i>littoralis</i> (Linnaeus, 1758)	24
[<i>LEUCASPIS</i>]	65	(<i>Salda</i>)	
<i>leucomelas</i> Koch, 1854	59	<i>littoralis</i> (Moniez, 1890)	6
<i>LEUCTRA</i>	83	(<i>Axelsonia</i>)	
<i>LIBELLULA</i>	73	<i>littoralis</i> (Walker, 1848)	59
[<i>libyca</i> (Caroli, 1914)]	9	(<i>Sipha</i>)	
<i>LICHTENSIA</i>	63	<i>lituratus</i> (Fabricius, 1794)	39
[<i>lichtensteini</i> Signoret, 1877]	63	(<i>Piezodorus</i>)	
<i>lignorum</i> (Fabricius, 1775)	3	<i>lituratus</i> (Fallén, 1806)	47
<i>limbatus</i> Dahlbom, 1851	33	(<i>Idiocerus</i>)	
(<i>Nabis</i>)		<i>LIVIA</i>	67
<i>limbatus</i> Fieber, 1836	33	<i>LIVILLA</i>	67
(<i>Anthocoris</i>)		{ <i>LOCUSTA</i> }	74
<i>limbatus</i> (Gervais, 1844)	82	<i>LOENSIA</i>	88
(<i>Bovicola</i>)		<i>loewii</i> (Then, 1886)	50
<i>limitata limitata</i> (Fieber, 1848)	21	<i>LONGICAUDUS</i>	55
<i>LIMNEPHILUS</i>	98	<i>longiceps</i> Kellogg and Ferris, 1915	77
<i>LIMNOPORUS</i>	24	(<i>Enderleinellus</i>)	
<i>limosae</i> (Denny, 1842)	81	<i>longiceps</i> Rothschild, 1908	90
<i>limosella</i> Timmermann, 1954	80	(<i>Nycteridopsylla</i>)	
<i>LIMOTETTIX</i>	45	[<i>longicornis</i> (Absolon, 1900)]	4
<i>LIMOTHRIPS</i>	93	[<i>Verhoeffiella</i>]	
<i>LINDBERGINA</i>	50	<i>longicornis</i> (Linnaeus, 1758)	97
<i>lineata</i> (Perris, 1857)	41	(<i>Mystacides</i>)	
(<i>Eurysa</i>)		<i>longicornis</i> (Müller, 1776)	8
<i>lineatus</i> Dahlbom, 1851	33	(<i>Pogonognathellus</i>)	
(<i>Nabis</i>)		<i>longicornis</i> (Nitzsch, 1818)	82
<i>lineatus</i> (Linnaeus, 1758)	43	(<i>Bovicola</i>)	
(<i>Neophilaenus</i>)		<i>longipalpa</i> (Fabricius, 1798)	17
<i>lineolatus</i> Brullé, 1832	44	<i>longipennis</i> (Curtis, 1837)	42
(<i>Euscelis</i>)		(<i>Stenocranus</i>)	
<i>lineolatus</i> (Goeze, 1778)	26	<i>longipennis</i> Flor, 1861	28
(<i>Adelphocoris</i>)		(<i>Phytocoris</i>)	
<i>linnaei</i> (Fieber, 1848)	21	<i>longipennis</i> Smithers, 1991	85
<i>LINNAVUORIANA</i>	50	(<i>Dorypteryx</i>)	
<i>LINOGNATHUS</i>	77	<i>longirostris</i> (Signoret, 1882)	64
<i>LINOSIPHON</i>	55	[<i>longispina</i> (Tullberg, 1876)]	8

<i>LORICULA</i>	25	<i>lyriocephalus</i> (Burmeister, 1839)	77
<i>loti</i> (Haliday, 1852)	93	[<i>lyrurus</i> Clay, 1938]	80
(<i>Odontothrips</i>)		<i>maclachlani</i> Kimmins, 1966	95
<i>loti</i> Kaltenbach, 1862	52	<i>macrochaeta</i> Rusek, 1976	13
(<i>Aphis</i>)		MACRODEMA	37
<i>loti</i> (Theobald, 1913)	52	MACROLOPHUS	26
(<i>Acyrtosiphon</i>)		MACROPSIS	47
[<i>lowi</i> Colvée, 1882]	65	MACROSALDULA	24
<i>lucifuga</i> (Rambur, 1842)	86	MACROSIPHONIELLA	55
<i>lucorum</i> (Meyer-Dür, 1843)	26	MACROSIPHUM	
<i>luctuosa</i> (Burmeister, 1839)	19	MACROSTELES	45
(<i>Caenis</i>)		MACROTYLUS	31
<i>luctuosus</i> Mulsant and Rey, 1866	39	<i>macrura</i> Stephens, 1835	19
(<i>Sehirus</i>)		[<i>maculata</i> Fabricius, 1794]	22
<i>lugubrina</i> (Boheman, 1847)	42	(<i>Notonecta</i>)	
LUNACEPS	80	<i>maculatus</i> (Thunberg, 1815)	74
<i>lunatus</i> Curtis, 1834	99	(<i>Myrmeleotettix</i>)	
<i>lundii</i> (Gmelin, 1790)	38	<i>maculatum</i> Laporte, 1833	40
<i>lunulatum</i> (Charpentier, 1840)	72	(<i>Piesma</i>)	
<i>lurida</i> (Nitzsch, 1818)	79	<i>maculiceps</i> Boheman, 1847	45
(<i>Fulicoffula</i>)		<i>maculicornis</i> (Pictet, 1834)	95
[<i>luridum</i> Nitzsch in Giebel, 1838]	77	MACUSTUS	45
(<i>Trinoton</i>)		<i>maerkelii</i> (Herrich-Schaeffer, 1838)	29
<i>luridus</i> Curtis, 1834	99	<i>magnicornis</i> (Fallén, 1807)	31
(<i>Limnephilus</i>)		<i>major</i> (A. Costa, 1842)	33
<i>luridus</i> (Fabricius, 1775)	39	(<i>Himacerus</i>)	
(<i>Troilus</i>)		<i>major</i> Uhler, 1896	42
<i>lutaria</i> (Linnaeus, 1758)	68	(<i>Aphrophora</i>)	
<i>luteolum</i> (Müller, 1776)	17	<i>major</i> Uzel, 1895	93
<i>lutescens</i> (Burmeister, 1838)	76	(<i>Thrips</i>)	
(<i>Austromenopon</i>)		<i>majus</i> (Kolbe, 1880)	88
<i>lutescens</i> Fabricius, 1793	70	<i>majusculus</i> (Reuter, 1879)	34
(<i>Hemerobius</i>)		<i>makarovi</i> Zachvatkin, 1948	43
LUTRIDIA	82	MALACOCORIS	30
<i>lyali</i> Klockenhoff, 1984	77	<i>mali</i> (Schmidberger, 1836)	67
<i>lychnidis</i> (Linnaeus, 1758)	53	<i>malmgreni</i> (Tullberg, 1876)	15
LYCTOCORIS	34	<i>malvae</i> (Mosley, 1841)	52
LYGOCORIS	27	<i>manicatus</i> Haliday, 1836	92
LYGUS	27	<i>manubrialis</i> (Tullberg, 1869)	9
LYPE	95	MARAVA	16

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<i>marginalis</i> Reuter, 1883	30	<i>MEGALONOTUS</i>	37
<i>marginata</i> (Burmeister, 1838)	79	<i>MEGALOTHORAX</i>	8
(<i>Brueelia</i>)		<i>MEGAMELODES</i>	41
<i>marginata</i> Koch, 1857	60	<i>MEGAMELUS</i>	41
(<i>Forda</i>)		<i>MEGOPHTHALMUS</i>	48
<i>marginata</i> (Linnaeus, 1761)	96	<i>MEGOURA</i>	55
(<i>Chimarra</i>)		<i>meinertzhageni</i> Timmermann, 1954	79
<i>marginata</i> (Linnaeus, 1767)	18	<i>melanocephalus</i> (Linnaeus, 1767)	32
(<i>Leptophlebia</i>)		<i>melanoneura</i> (Foerster, 1848)	67
<i>marginata</i> (Schoett, 1893)	14	<i>meleagridis</i> (Linnaeus, 1758)	78
(<i>Caprainea</i>)		<i>melis</i> (J. C. Fabricius, 1805)	82
<i>marginatus</i> (Kirschbaum, 1858)	45	(<i>Trichodectes</i>)	
(<i>Streptanus</i>)		<i>melis melis</i> (Walker, 1856)	91
<i>marginatus</i> Linnaeus, 1758	35	(<i>Paraceras</i>)	
(<i>Coreus</i>)		<i>melissae</i> Curtis, 1837	49
<i>marginatus</i> Stephens, 1836	70	<i>melittae</i> Kirby, 1802	92
(<i>Hemerobius</i>)		<i>MENACANTHUS</i>	76
MARISOTOMA	7	[<i>mergiserrati</i> (De Geer, 1778)]	78
[<i>maritima</i> Bagnall, 1941]	4	<i>merguli</i> (Denny, 1842)	81
(<i>Pseudosinella</i>)		<i>meridionalis</i> Ribaga, 1904	86
<i>maritima</i> (Guérin-Ménéville, 1836)	10	<i>meropis</i> (Denny, 1842)	80
(<i>Anurida</i>)		<i>MEROPOECUS</i>	80
<i>maritima</i> (Hille Ris Lambers, 1955)	54	<i>MEROPSIELLA</i>	80
(<i>Dysaphis</i>)		<i>MESAPHORURA</i>	13
<i>maritima</i> Tullberg, 1869	9	[<i>MESOGASTRURA</i>]	9
(<i>Xenylla</i>)		<i>mesomelas</i> (Boheman, 1850)	41
<i>maritima</i> (Tullberg, 1871)	7	<i>MESOPHYLAX</i>	99
(<i>Halisotoma</i>)		<i>MESOPSOCUS</i>	87
<i>maritimus</i> (Leach, 1809)	69	<i>MESOVELIA</i>	23
(<i>Petrobius</i>)		<i>METAPHORURA</i>	13
<i>maritimus</i> Wagner, 1949	27	<i>METATROPIS</i>	36
(<i>Lygus</i>)		<i>METIDIOCERUS</i>	47
<i>marmoratus</i> Curtis, 1834	99	<i>METOPOLOPHIUM</i>	55
<i>maroccana</i> (Melichar, 1907)	49	<i>METRIOPTERA</i>	75
<i>martini</i> Marshall, 1977	101	<i>metrius</i> (Flor, 1861)	46
<i>maurus</i> (Curtis, 1834)	100	<i>METYLOPHORUS</i>	88
MECOMMA	30	<i>meyeri</i> (Pictet, 1841)	83
MECONEMA	75	(<i>Protonemura</i>)	
<i>mediana</i> McLachlan, 1878	96	<i>meyeri</i> (Taschenberg, 1882)	82
MEGALOCOLEUS	31	(<i>Damalinia</i>)	

<i>micans</i> Olivier, 1792	70	<i>minutus</i> (Linnaeus, 1761)	100
MICRANURIDA	10	(<i>Beraeodes</i>)	
<i>microcephalus</i> (Pictet, 1833)	84	<i>mirabilis</i> (Tullberg, 1871)	10
<i>microchaeta</i> Agrell, 1939	5	MIRIS	28
MICROLOPHIUM	55	<i>mirmicoides</i> (O. Costa, 1834)	33
MICROMUS	71	<i>mixta</i> Latreille, 1805	72
MICRONECTA	20	(<i>Aeshna</i>)	
MICRONYCHIURUS	12	<i>mixtus</i> (Fabricius, 1794)	44
<i>microptera</i> (Curtis, 1836)	37	(<i>Allygus</i>)	
MICROPTERNA	100	MJOBERGINIRMUS	80
MICROVELIA	23	MOCUELLUS	46
{ <i>migratoria gallica</i> (Remaudière, 1947)}	74	MOCYDIA	45
{ <i>migratoria migratoria</i> (Linnaeus, 1758)}	74	<i>modularis</i> (Denny, 1842)	80
<i>milleri</i> (Tillyard, 1923)	87	<i>moebiusi</i> Tetens, 1891	87
MINDARUS	61	<i>moesta</i> (Fieber, 1848)	21
<i>minima</i> (Absolon, 1901)	6	MOLANNA	97
(<i>Proisotoma</i>)		<i>mollicula</i> (Boheman, 1845)	48
<i>minima</i> (Signoret, 1869)	64	(<i>Emelyanoviana</i>)	
(<i>Carulaspis</i>)		<i>molliculus</i> (Fallén, 1807)	31
<i>minimus</i> Willem, 1900	8	(<i>Megalocoleus</i>)	
(<i>Megalothorax</i>)		<i>mollis</i> (Mulsant and Rey, 1852)	32
<i>minor</i> (Herrich-Schaeffer, 1835)	36	MONALOCORIS	26
(<i>Berytinus</i>)		MONAPHIS	58
<i>minor</i> (Linnaeus, 1758)	16	MONOBELLA	10
(<i>Labia</i>)		[<i>monochaeta</i> Kos, 1942]	7
<i>minor</i> (Lubbock, 1862)	8	[<i>monoculata</i> (Bagnall, 1949)]	5
(<i>Tomocerus</i>)		[<i>montana</i> Kimmins, 1941]	83
<i>minor</i> (Schaeffer, 1896)	5	(<i>Protonemura</i>)	
(<i>Isotomiella</i>)		[<i>montanus</i> Stach, 1947]	7
<i>minuta</i> (O. Fabricius, 1783)	14	(<i>Vertagopus</i>)	
(<i>Dicyrtomina</i>)		<i>montanus montanus</i> (Donovan, 1813)	96
<i>minuta</i> (Tullberg, 1871)	6	(<i>Philopotamus</i>)	
(<i>Proisotoma</i>)		<i>montanus scoticus</i> McLachlan, 1862	96
<i>minutissima minutissima</i> Leach, 1817	22	(<i>Philopotamus</i>)	
<i>minutus</i> (Denis, 1932)	12	<i>montivagus</i> (Meyer-Dur, 1841)	36
(<i>Micronychiurus</i>)		<i>morio</i> Zetterstedt, 1838	24
<i>minutus</i> (Fabricius, 1818)	42	<i>morisoni</i> Priesner, 1928	93
(<i>Stenocranus</i>)		[<i>moselyi</i> Morton, 1929]	83
[<i>minutus</i> (Linnaeus, 1758)]	34	MUCROSOMIA	6
(<i>Orius</i>)		<i>muelleri</i> (Gmelin, 1790)	24

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<i>MUELLERIANELLA</i>	41	<i>necopinata</i> (Börner, 1939)	57
<i>MUIRODELPHAX</i>	42	<i>NEELUS</i>	8
<i>muliebris</i> McLachlan, 1866	97	<i>neglecta</i> De Lotto, 1969	64
<i>multifasciata</i> (Tullberg, 1871)	3	(<i>Saissetia</i>)	
<i>multilobata</i> Gers and Deharveng, 1985	9	<i>neglectus</i> (Krzywiec, 1966)	58
<i>multipunctata</i> Curtis, 1834	101	(<i>Tuberculatus</i>)	
<i>munda</i> Foerster, 1848	68	<i>NEIDES</i>	35
(<i>Trioza</i>)		<i>nemorialis</i> (Fabricius, 1794)	33
<i>munda</i> McLachlan, 1862	102	<i>nemorum</i> (Linnaeus, 1761)	33
(<i>Rhyacophila</i>)		<i>NEMOURA</i>	83
<i>murinus</i> Folsom, 1896	8	<i>NEMURELLA</i>	84
<i>muscorum</i> (Nicolet, 1842)	3	<i>NEOCRASPEDOLEPTA</i>	67
(<i>Entomobrya</i>)		<i>NEOHAEMATOPINUS</i>	77
<i>muscorum</i> (Templeton, 1835)	10	<i>NEOMYZUS</i>	56
(<i>Neanura</i>)		<i>NEOPHILAENUS</i>	43
<i>muticus</i> (Linnaeus, 1758)	17	<i>NEOTULLBERGIA</i>	13
<i>myricae</i> (Kaltenbach, 1843)	58	<i>NEPA</i>	20
<i>MYRMELEOTETTIX</i>	74	<i>nephrelepidis</i> Davis, 1909	54
<i>MYRSIDEA</i>	77	<i>nerii</i> Bouché, 1833	64
<i>MYSTACIDES</i>	97	<i>nervata</i> (Gillette, 1908)	57
<i>MYZAPHIS</i>	56	<i>nervosa</i> (Curtis, 1834)	98
<i>MYZOCALLIS</i>	58	(<i>Anabolia</i>)	
<i>MYZUS</i>	56	<i>nervosa</i> (Foerster, 1848)	67
<i>NABIS</i>	33	(<i>Craspedolepta</i>)	
<i>najas</i> (De Geer, 1773)	23	<i>nervosus</i> (Fabricius, 1793)	70
(<i>Aquarius</i>)		(<i>Wesmaelius</i>)	
[<i>najas</i> (Hansemann, 1823)]	72	<i>nervosus</i> (Linnaeus, 1758)	40
(<i>Erythromma</i>)		(<i>Cixius</i>)	
<i>NASONOVIA</i>	56	<i>NEURECLIPSIS</i>	95
<i>nassatus</i> (Fabricius, 1787)	30	<i>NEWSTEADIA</i>	65
<i>NEANURA</i>	10	{ <i>NEZARA</i> }	39
<i>NEARCTAPHIS</i>	56	<i>nicoleti</i> (Lubbock, 1867)	3
<i>nebulosa</i> (Burmeister, 1838)	79	<i>niger</i> (Lubbock, 1868)	14
(<i>Brueelia</i>)		(<i>Sminthurinus</i>)	
[<i>nebulosa</i> (Linnaeus, 1758)]	84	<i>niger</i> (Wolff, 1811)	34
(<i>Taeniopteryx</i>)		(<i>Orius</i>)	
<i>nebulosa</i> (Zetterstedt, 1828)	67	[<i>nigra</i> (Linnaeus, 1758)]	97
(<i>Craspedolepta</i>)		(<i>Mystacides</i>)	
<i>nebulosus</i> (Stephens, 1836)	88	<i>nigra</i> (Olivier, 1811)	83
(<i>Metylophorus</i>)		(<i>Leuctra</i>)	

<i>nigra</i> (Retzius, 1783)	71	<i>notata</i> (Rambur, 1842)	97
(<i>Sisyra</i>)		(<i>Oecetis</i>)	
[<i>nigrescens</i> Lucas, 1912]	73	<i>NOTHODELPHAX</i>	42
<i>nigriceps</i> (Zetterstedt, 1840)	99	[<i>NOTIDOBIA</i>]	100
<i>nigricornis</i> (Pictet, 1834)	98	<i>NOTONECTA</i>	22
<i>nigriloba</i> (Edwards, 1924)	49	<i>NOTOSTIRA</i>	29
[<i>nigrina</i> (Fallén, 1807)]	25	<i>notulus</i> (Germar, 1830)	41
<i>nigripes</i> Pictet, 1865	68	<i>NOTUS</i>	48
<i>nigrita</i> (Fallén, 1807)	28	<i>novemlineatus</i> (Tullberg, 1871)	14
<i>nigrolimbatus</i> (Giebel, 1874)	80	<i>numenii</i> (Denny, 1842)	80
<i>nigrolineata nigrolineata</i> (Fieber, 1848)	21	<i>nuptialis</i> Roesler, 1954	87
<i>nigromaculatus</i> (Tullberg, 1872)	14	<i>NYCTERIDOPSYLLA</i>	90
(<i>Sminthurus</i>)		<i>nymphula</i> (Sulzer, 1776)	72
<i>nigromaculata</i> (Lubbock, 1873)	4	<i>NYSIUS</i>	37
<i>nigronervosa</i> (Retzius, 1783)	96	<i>obliqua</i> Thunberg, 1787	22
<i>nigropleurum</i> (Denny, 1842)	76	<i>oblongus</i> (von Heyden, 1837)	58
<i>nigropunctatus</i> (Retzius, 1783)	98	<i>obscura</i> (Boheman, 1847)	41
<i>NINETA</i>	70	[<i>obscurus</i> (Burmeister, 1838)]	81
<i>nitidissimus</i> (Herrich-Schäffer, 1835)	47	(<i>Quadriceps</i>)	
<i>nitidulus</i> Fabricius, 1777	70	<i>obscurus</i> (Müller, 1776)	92
(<i>Hemerobius</i>)		(<i>Anaphothrips</i>)	
<i>nitidulus</i> (Fabricius, 1787)	45	<i>obsoleta</i> (Fieber, 1864)	31
(<i>Lamprotettix</i>)		(<i>Asciodema</i>)	
<i>nitidus</i> (Templeton, 1835)	4	<i>obsoleta</i> (Hagen, 1864)	100
<i>nivalis</i> (Carl, 1910)	6	(<i>Agrypnia</i>)	
(<i>Desoria</i>)		<i>obsoleta</i> (Stephens, 1836)	86
<i>nivalis</i> (Linnaeus, 1758)	3	(<i>Enderleinella</i>)	
(<i>Entomobrya</i>)		<i>obsoletus</i> (Kirschbaum, 1858)	44
<i>nobilis nobilis</i> (Rothschild, 1898)	91	(<i>Conosanus</i>)	
<i>nobilis vulgaris</i> Smit, 1955	91	<i>occidentalis</i> (Pergande, 1895)	92
<i>nodosus</i> (Ribaut, 1925)	46	<i>occipitalis</i> (Pictet, 1834)	96
<i>nordmanniana</i> (Eckstein, 1890)	66	<i>occulta</i> (Eaton, 1873)	101
<i>normifer</i> (Grube, 1851)	79	<i>ocellaris</i> (Fallén, 1806)	46
<i>norwegicus</i> (Gmelin, 1790)	27	<i>ocellata</i> (Piaget, 1880)	82
<i>NOSOPSYLLUS</i>	91	<i>ochracea</i> (Curtis, 1825)	97
<i>notabilis</i> (Schaeffer, 1896)	7	(<i>Oecetis</i>)	
<i>notata</i> Curtis, 1837	49	[<i>ochraceus</i> (Nitzsch, 1818)]	76
(<i>Eupteryx</i>)		(<i>Actornithophilus</i>)	
<i>notata</i> Eaton, 1887	18	<i>ochripes</i> Curtis, 1834	100
(<i>Ephemerella</i>)		<i>ochrotrichus</i> Fieber, 1864	30

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<i>octactenus</i> (Kolenati, 1856)	90	<i>ORTHOTYLUS</i>	30
<i>octopunctata</i> Börner, 1901	4	[<i>ortygometrae</i> (Schrank, 1781)]	81
<i>ODONTOCERUM</i>	97	<i>OSMYLUS</i>	71
<i>odontogaster</i> (Zetterstedt, 1828)	24	<i>ossiannilssoni</i> Lindberg, 1954	45
<i>ODONTOTHRIPS</i>	93	<i>OSSIANNILSSONOLA</i>	50
<i>OECETIS</i>	97	<i>ostreaeformis</i> (Curtis, 1843)	64
<i>OECIACUS</i>	34	[<i>OULOCREPIS</i>]	78
<i>OLIGAPHORURA</i>	11	<i>ovalis</i> (Scopoli, 1763)	79
<i>OLIGOTRICHA</i>	100	<i>OVATUS</i>	56
[<i>olivacea</i> (Tullberg, 1871)]	6	<i>ovis</i> (Schrank, 1781)	82
<i>OMOCESTUS</i>	74	<i>oxyacanthae</i> (Schrank, 1801)	52
<i>ONCODELPHAX</i>	42	<i>OXYETHIRA</i>	101
<i>ONCOPSIS</i>	48	<i>OXYTHRIPS</i>	93
<i>ONYCHIURUS</i>	11	<i>pabulinus</i> (Linnaeus, 1761)	27
<i>opacula</i> (Zetterstedt, 1838)	24	<i>PACHYBRACHIUS</i>	38
<i>ORCHESELLA</i>	4	<i>PACHYOTOMA</i>	7
<i>orchidaceus</i> (Bagnall, 1909)	92	<i>PACHYPAPPA</i>	60
<i>ORCHOPEAS</i>	91	<i>PACHYTOMELLA</i>	29
<i>orientalis</i> Linnaeus, 1758	17	<i>padi</i> (Linnaeus, 1758)	52
<i>ORIUS</i>	34	<i>paganus</i> (Linnaeus, 1767)	71
{ <i>ornata</i> (Linnaeus, 1758)}	39	<i>pagetana</i> Curtis, 1835	100
(<i>Eurydema</i>)		<i>PALAEOPSYLLA</i>	91
<i>ornata</i> (Nicolet, 1842)	14	<i>palliceps</i> Fieber, 1861	32
(<i>Dicyrtomina</i>)		<i>pallicornis</i> (Eaton, 1873)	101
<i>ornata</i> (Theobald, 1927)	62	(<i>Allotrichia</i>)	
(<i>Subsaltusaphis</i>)		<i>pallicornis</i> (Fieber, 1861)	26
<i>ornatus</i> Laing, 1932	56	(<i>Dicyphus</i>)	
(<i>Myzus</i>)		<i>pallida</i> Haliday, 1838	59
<i>ornatus striolatus</i> (Nitzsch in Giebel, 1866)	79	<i>pallidula</i> (Boheman, 1847)	42
(<i>Koeniginirmus</i>)		<i>pallidus</i> Hille Ris Lambers, 1935	54
[<i>ORNITHOBIUS</i>]	80	<i>pallipes</i> (Fabricius, 1781)	98
<i>ORNITHOPSYLLA</i>	89	(<i>Silo</i>)	
<i>ORTHETRUM</i>	73	<i>pallipes</i> (Fabricius, 1794)	25
<i>ORTHEZIA</i>	65	(<i>Saldula</i>)	
<i>ORTHOCEPHALUS</i>	29	<i>PALOMENA</i>	39
<i>orthochila</i> (Fieber, 1859)	24	[? <i>paludosus</i> Clay, 1962]	76
<i>ORTHONOTUS</i>	31	(<i>Actornithophilus</i>)	
<i>ORTHOPS</i>	28	<i>paludosus</i> (Flor, 1861)	42
<i>ORTHOTRICHIA</i>	102	(<i>Paradelphacodes</i>)	
		<i>palustre</i> Hille Ris Lambers, 1947	53

<i>(Aulacorthum)</i>		<i>(Hyadaphis)</i>	
<i>palustris</i> (Müller, 1776)	7	<i>passerinii</i> (Signoret, 1875)	61
<i>(Isotomurus)</i>		<i>(Phloeomyzus)</i>	
<i>palustris</i> (Douglas, 1874)	25	<i>pastinacae</i> (Linnaeus, 1758)	53
<i>(Saldula)</i>		[<i>pastoris</i> (Denny, 1842)]	82
<i>palustris</i> (Reuter, 1907)	28	<i>patchiae</i> (Börner and Blunck, 1916)	59
<i>(Polymerus)</i>		<i>patellatus</i> (Piaget, 1890)	76
PANORPA	68	<i>pati</i> O'Connor, 1980	99
PANTILIUS	28	<i>patruelis</i> Pearman, 1931	85
<i>panzeri</i> Fieber, 1848	21	<i>pavonis</i> (Linnaeus, 1758)	78
<i>(Corixa)</i>		<i>paykullii</i> (Fallén, 1807)	31
<i>panzeri</i> (Flor, 1861)	46	PEALIUS	51
<i>(Cosmotettix)</i>		PECTINOPYGUS	80
<i>papillata</i> Theobald, 1923	55	<i>pedicularia</i> (Linnaeus, 1758)	87
PARACERAS	91	<i>(Lachesilla)</i>	
PARACLETUS	60	<i>pedicularius</i> (Haliday, 1836)	93
PARACORIXA	21	<i>(Hoplothrips)</i>	
PARADELPHACODES	42	PEDICULUS	78
<i>paradoxus</i> Uzel, 1891	3	<i>pellucida</i> (Fabricius, 1794)	41
[PARLATORIA]	65	<i>(Javesella)</i>	
PARALEPTOPHLEBIA	18	<i>pellucidula</i> (Curtis, 1834)	94
PARALIBURNIA	42	<i>(Hydropsyche)</i>	
<i>parallela</i> (Meyer-Dür, 1843)	29	<i>pellucidus</i> (Retzius, 1783)	98
<i>paraminor</i> Gisin, 1942	5	<i>(Glyphotaelius)</i>	
PARANURA	10	PEMPHIGUS	60
PARAPIESMA	40	<i>penicilliger mustelae</i> (Dale, 1878)	90
PARATULLBERGIA	13	<i>penicula</i> Bagnall, 1939	5
PARISOTOMA	7	<i>pentacantha</i> (Rothschild, 1897)	91
PARTHENOLECANIUM	63	PENTASTIRIDIUS	40
<i>parthenope</i> (Sélys, 1839)	72	PENTATOMA	39
[<i>parumpunctatus</i> Schilling, 1829]	35	<i>peregrina</i> (Foerster, 1848)	67
<i>parviceps</i> Roesler, 1954	87	<i>(Cacopsylla)</i>	
<i>parvula</i> (Boheman, 1845)	49	<i>peregrina</i> Hodkinson, 2007	68
<i>(Arboridia)</i>		<i>(Ctenarytaina)</i>	
<i>parvula</i> (Schaeffer, 1896)	9	[<i>pergandii</i> Comstock, 1881]	65
<i>(Brachystomella)</i>		PERINEUS	80
<i>parvulus</i> (Krausbauer, 1898)	15	PERIPHYLLUS	59
<i>(Sminthurides)</i>		PERIPLANETA	17
<i>pascuellus</i> (Fallén, 1826)	46	PERIPSOCUS	87
<i>passerinii</i> (del Guercio, 1911)	54	PERITRECHUS	38

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<i>PERLA</i>	84	<i>PHYTOCORIS</i>	28
[<i>perla</i> (Linnaeus, 1758)]	69	<i>picae</i> (Denny, 1842)	80
<i>PERLODES</i>	84	(<i>Philoferus</i>)	
<i>permistus</i> McLachlan, 1895	100	<i>picea</i> (Flor, 1860)	37
<i>perrisi</i> (Mulsant and Rey, 1852)	32	(<i>Lamproplax</i>)	
(<i>Psallus</i>)		<i>picae</i> (Linnaeus, 1758)	77
<i>perrisii perrisii</i> (Signoret, 1875)	65	(<i>Myrsidea</i>)	
(<i>Trionymus</i>)		<i>piceae</i> (Panzer, 1800)	61
<i>persicae</i> (Sulzer, 1776)	56	(<i>Cinara</i>)	
<i>persimilis</i> (Edwards, 1920)	44	<i>piceae</i> (Ratzeburg, 1837)	66
<i>personatum</i> (Spence, 1826)	100	(<i>Adelges</i>)	
(<i>Sericostoma</i>)		<i>piceus</i> (Denny, 1842)	76
<i>personatus</i> (Hagen, 1865)	88	(<i>Actornithophilus</i>)	
(<i>Atlantopsocus</i>)		<i>piceus</i> (Kolbe, 1882)	86
<i>personatus hibernicus</i> Fahy, 1967	88	(<i>Valenzuela</i>)	
(<i>Atlantopsocus</i>)		<i>pivicornis</i> (Fabricius, 1793)	87
<i>perspicillata</i> (Boheman, 1845)	42	(<i>Philotarsus</i>)	
<i>petersi</i> Smithers, 1978	87	<i>pivicornis</i> (Stephens, 1836)	95
<i>PETROBIUS</i>	69	(<i>Holocentropus</i>)	
<i>petterdassi</i> (Fjellberg, 1988)	13	<i>picipes</i> (Zetterstedt, 1828)	93
<i>petterseni</i> Börner, 1901	4	[<i>PICOPHILOPTERUS</i>]	81
<i>phaeopa</i> (Stephens, 1836)	95	<i>PICROMERUS</i>	39
<i>phaeopterus</i> (Stephens, 1836)	87	<i>pictetii</i> Klapálek, 1900	84
<i>phaleratus</i> (Haliday, 1836)	93	<i>PIESMA</i>	40
<i>PHENACOCCLUS</i>	65	<i>PIEZODORUS</i>	39
<i>PHILAENUS</i>	43	<i>pilicornis</i> (Hartig, 1841)	61
<i>PHILICHTHYOPHAGA</i>	80	(<i>Cinara</i>)	
<i>phillyreae</i> (Haliday, 1835)	51	<i>pilicornis</i> (Mulsant and Rey, 1852)	37
<i>PHILOPOTAMUS</i>	96	(<i>Drymus</i>)	
<i>PHILOPTERUS</i>	80	<i>pilipennis</i> (Lienhard, 1996)	86
<i>PHILOTARSUS</i>	87	<i>pilosa</i> (Fabricius, 1775)	98
<i>PHLAEOTHRIPS</i>	93	(<i>Goera</i>)	
<i>PHLOEOMYZUS</i>	61	<i>pilosella pilosella</i> (Thomson, 1871)	25
<i>PHOLIDOPTERA</i>	75	<i>pilosum</i> (Scopoli, 1763)	77
<i>PHORODON</i>	56	(<i>Pseudomenopon</i>)	
<i>PHRYGANEAE</i>	100	<i>pilosus</i> (Boheman 1852)	26
<i>PHYLLAPHIS</i>	61	(<i>Bothynotus</i>)	
<i>PHYLUS</i>	31	<i>pilosus</i> (Fallén, 1807)	24
<i>physapus</i> Linnaeus, 1758	93	(<i>Chiloxanthus</i>)	
<i>PHYSOKERMES</i>	63	<i>pilosus</i> (Olivier, 1791)	40

<i>(Tachycixius)</i>		<i>PODURA</i>	13
<i>PINALITUS</i>	28	<i>poecilus</i> (Herrich-Schäffer, 1835)	47
<i>pinea</i> (Mordvilko, 1894)	61	<i>POGONOGNATHELLUS</i>	8
<i>pinetella</i> (Zetterstedt, 1828)	32	[<i>politus</i> McLachlan, 1865]	99
<i>pineti</i> (Fabricius, 1781)	61	<i>POLYCENTROPUS</i>	95
<i>PINEUS</i>	66	<i>polygoni</i> Foerster, 1848	66
<i>pini</i> (Burmeister, 1835)	60	<i>POLYMERUS</i>	28
<i>(Prociphilus)</i>		<i>POLYPLAX</i>	77
<i>pini</i> (Linnaeus, 1758)	61	<i>pomi</i> De Geer, 1773	52
<i>(Cinara)</i>		<i>pongei</i> Rusek, 1982	13
<i>pini</i> (Macquart, 1819)	66	<i>poppei poppei</i> Wagner, 1903	91
<i>(Pineus)</i>		<i>populi</i> (del Guercio, 1911)	53
<i>pini</i> Stephens, 1836	70	<i>(Brachycaudus)</i>	
<i>(Hemerobius)</i>		<i>populi</i> (Edwards, 1908)	48
<i>pinihabitans</i> (Mordvilko, 1894)	61	<i>(Kybos)</i>	
<i>PINNASPIS</i>	64	<i>populi</i> (Linnaeus, 1758)	28
<i>pipistrelli</i> Jenyns, 1839	34	<i>(Phytocoris)</i>	
<i>pisivorus</i> (Westwood, 1880)	93	<i>populi</i> (Linnaeus, 1761)	47
<i>pisum</i> (Harris, 1776)	52	<i>(Populicerus)</i>	
<i>PITHANUS</i>	29	<i>POPULICERUS</i>	47
<i>PLAGIOGNATHUS</i>	32	<i>populinigrae</i> (Schrank, 1801)	60
<i>PLANAPHRODES</i>	43	<i>POTAMOPHYLAX</i>	100
<i>planicornis</i> (Pallas, 1772)	30	<i>potentillae</i> (Walker, 1850)	53
<i>PLANOCOCCUS</i>	65	<i>poweri poweri</i> (Douglas and Scott, 1869)	20
<i>plantaginea</i> (Passerini, 1860)	54	<i>praecox</i> (Morton, 1894)	83
<i>plantaginis</i> Goeze, 1778	52	<i>praeusta</i> (<i>praeusta</i> , Fieber 1848)	20
<i>plataleae</i> (Denny, 1842)	79	<i>prasina</i> (Boheman, 1852)	48
<i>platanoidis</i> (Schrank, 1801)	59	<i>(Macropsis)</i>	
<i>PLATYCRANUS</i>	31	<i>prasina</i> Linnaeus, 1761	39
<i>platygaster</i> (Denny, 1842)	81	<i>(Palomena)</i>	
<i>PLEA</i>	22	<i>prasinus</i> (Fallén, 1826)	30
<i>PLECTROCNEMIA</i>	95	<i>(Orthotylus)</i>	
<i>PLEOTRICHOPHORUS</i>	56	[<i>prasinus</i> (Reuter, 1891)]	7
<i>PLESIODEMA</i>	32	<i>(Isotomurus)</i>	
<i>PLINTHISUS</i>	38	<i>pratense</i> (Müller, 1764)	72
<i>plusiochaeta</i> Silvestri, 1912	15	[<i>pratensis</i> (Linnaeus, 1758)]	27
<i>poae</i> (Gillette, 1908)	56	<i>(Lygus)</i>	
<i>(Rhopalomyzus)</i>		<i>primulae</i> (Theobald, 1913)	52
<i>poae</i> (Hardy, 1850)	54	<i>principalis</i> Stach, 1945	14
<i>(Cryptaphis)</i>		<i>procampata</i> (Gisin, 1956)	12

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<i>PROCIPHILUS</i>	60	<i>pteridis</i> (Spinola, 1839)	41
<i>PROCLOEON</i>	17	(<i>Ditropis</i>)	
<i>productus</i> (Axelson, 1906)	5	<i>PTEROCALLIS</i>	58
<i>PROISOTOMA</i>	6	<i>PTEROXANIUM</i>	85
<i>proletella</i> (Linnaeus, 1758)	51	<i>PTHIRUS</i>	77
<i>propinqua</i> (Fieber, 1860)	20	<i>puberulus</i> Horváth, 1887	37
<i>PROTAPHORURA</i>	11	<i>pubescens</i> (Knight, 1931)	32
<i>PROTONEMURA</i>	83	<i>pubis</i> (Linnaeus, 1758)	78
<i>PROTRAMA</i>	61	<i>puella</i> (Linnaeus, 1758)	72
<i>pruinosa</i> (Hartig, 1841)	61	<i>pulchella</i> (Fallén, 1806)	50
<i>pruni</i> (Geoffroy, 1762)	52	(<i>Eurhadina</i>)	
(<i>Hyalopterus</i>)		<i>pulchellum</i> (Vander Linden, 1825)	72
<i>pruni</i> (Scopoli, 1763)	67	(<i>Coenagrion</i>)	
(<i>Cacopsylla</i>)		<i>pulchellus</i> (Curtis, 1833)	41
<i>prunicola</i> (Edwards, 1914)	49	(<i>Delphax</i>)	
<i>prunifex</i> (Theobald, 1927)	53	<i>pulchra</i> (Zetterstedt, 1838)..67	
<i>PSALLODEMA</i>	32	<i>pulchricornis</i> Pictet, 1834	101
<i>PSALLUS</i>	32	<i>PULEX</i>	89
<i>psammae</i> Theobald, 1922	59	<i>pulicaris</i> (Fallén, 1806)	45
<i>PSAMMOTETTIX</i>	46	<i>pullata</i> (Curtis, 1834)	100
<i>PSECTRA</i>	71	<i>pullulus</i> (Boheman, 1852)	42
<i>pselaphiformis</i> Curtis, 1833	25	<i>pullus</i> (Reuter, 1870)	31
<i>PSEUDACAUDELLA</i>	56	<i>pulsatorium</i> (Linnaeus, 1758)	85
<i>PSEUDACHORUTELLA</i>	10	<i>pulvera</i> (Walker, 1848)	55
<i>PSEUDACHORUTES</i>	10	<i>PULVINARIA</i>	63
<i>PSEUDANUROPHORUS</i>	6	<i>pumilio</i> (Charpentier, 1825)	72
<i>PSEUDISOTOMA</i>	7	<i>pumilis</i> (Hagen, 1861)	87
<i>pseudocellaris</i> (Flor, 1861)	46	(<i>Elipsocus</i>)	
<i>pseudocellata</i> (Naglitsch, 1962)	12	<i>pumilis</i> (Krausbauer, 1898)	15
<i>PSEUDOMENOPON</i>	77	(<i>Sphaeridia</i>)	
<i>PSEUDOPSOCUS</i>	87	<i>punctata</i> (Fabricius, 1775)	45
<i>PSEUDOSINELLA</i>	3	(<i>Balclutha</i>)	
<i>psociformis</i> (Curtis, 1834)	70	<i>punctata</i> (Illiger, 1807)	21
<i>PSOCOCERASTIS</i>	88	(<i>Corixa</i>)	
<i>PSYCHOMYIA</i>	95	<i>punctatissima</i> (Bosc, 1792)	75
<i>PSYLLA</i>	67	<i>punctatus</i> (Burmeister, 1838)	79
<i>PSYLLIPSOCUS</i>	85	(<i>Koeniginirmus</i>)	
<i>PSYLLOPSIS</i>	68	<i>punctatus</i> (Linnaeus, 1758)	39
<i>pteridis</i> (Fallén, 1807)	26	(<i>Rhacognathus</i>)	
(<i>Bryocoris</i>)		[<i>punctatus</i> (Zetterstedt, 1838)]	27

<i>(Lygus)</i>		<i>quadrispina</i> (Börner, 1901)	13
<i>punctipennis</i> (Zetterstedt, 1828)	58	<i>quadrituberculata</i>	
<i>punctipes</i> (Germar, 1822)	36	(Kaltenbach, 1843)	57
<i>punctulum</i> (Kirschbaum, 1868)	42	<i>querceus</i> (Kaltenbach, 1843)	58
<i>punctum</i> (Flor, 1861)	46	[<i>quercicola</i> (Bouché, 1851)]	63
<i>purchasi</i> Maskell, 1878	65	<i>quercus</i> (Fabricius, 1777)	50
<i>purpurescens</i> (Lubbock, 1867)	9	(<i>Typhlocyba</i>)	
<i>pusilla</i> (Fabricius, 1781)	95	<i>quercus</i> (Kirschbaum, 1856)	32
(<i>Psychomyia</i>)		(<i>Psallus</i>)	
<i>pusillus</i> (Herrich-Schaeffer, 1835)	34	<i>quercus</i> (Signoret, 1868)	51
(<i>Temnostethus</i>)		(<i>Pealius</i>)	
<i>putoni</i> (Then, 1898)	46	<i>querquedulae</i> (Linnaeus, 1758)	77
PYCNOSCELUS	16	<i>radiatus</i> (Curtis, 1834)	99
<i>pygmaea</i> Börner, 1901	10	<i>radicis</i> (Kaltenbach, 1843)	61
(<i>Micranurida</i>)		[RALLICOLA]	81
<i>pygmaea</i> (Dufour, 1833)	23	<i>ramburii</i> Selys-Longchamps, 1872	85
(<i>Microvelia</i>)		<i>ramicuspis</i> (Gisin, 1953)	13
<i>pygmaeus</i> (Fallén, 1807)	33	<i>ranunculi</i> (Kaltenbach, 1843)	54
(<i>Acompocoris</i>)		<i>ranunculina</i> (Walker, 1852)	57
<i>pygmaeus</i> (Rambur, 1839)	26	<i>rectospinatus</i> Stach, 1922	11
(<i>Macrolophus</i>)		<i>reducta</i> (Hagen, 1868)	95
<i>pygmaeus</i> (Wankel, 1861)	14	(<i>Lype</i>)	
(<i>Arrhopalites</i>)		<i>reducta</i> (McLachlan, 1865)	96
<i>pygmaeus</i> (Zetterstedt, 1838)	33	(<i>Adicella</i>)	
(<i>Tytthus</i>)		<i>regalis</i> Canard, 1968	63
<i>pyri</i> (Linnaeus, 1758)	67	<i>remota</i> Foerster, 1848	68
<i>pyricola</i> (Foerster, 1848)	67	<i>repandus</i> Ågren, 1903	14
PYRRHOCORIS	38	<i>resedae</i> (Panzer, 1797)	36
PYRRHOSOMA	72	<i>reticulata</i> (Burmeister, 1835)	23
QUADRACEPS	81	(<i>Microvelia</i>)	
<i>quadratum</i> (Fieber, 1844)	40	<i>reticulata</i> (Fabricius, 1794)	50
<i>quadrifasciatus</i> (Reuter, 1894)	71	(<i>Ulopa</i>)	
<i>quadrimaculata</i> (Latreille, 1794)	88	REUTERELLA	87
(<i>Blaste</i>)		<i>reuteri</i> (McLachlan, 1880)	97
<i>quadrimaculata</i> Linnaeus, 1758	73	(<i>Ylodes</i>)	
(<i>Libellula</i>)		<i>reuteri</i> Saunders, 1876	28
<i>quadrimaculatus</i> (Signoret, 1865)	41	(<i>Phytocoris</i>)	
(<i>Megamelodes</i>)		<i>reyi</i> (Fieber, 1866)	40
<i>quadrinotata</i> (Fabricius, 1794)	44	RHABDOMIRIS	29
<i>quadrioculata</i> (Tullberg, 1871)	5	RHACOGNATHUS	39

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<i>RHADINOPSYLLA</i>	91	(<i>Lepidocyrtus</i>)	
<i>rhamnocola</i> (Scott, 1876)	67	<i>rubi</i> (Kaltenbach, 1843)	53
<i>rhapsidius</i> (Nitzsch in Giebel, 1866)	78	<i>rubida</i> Börner, 1950	56
<i>rhinanthi</i> (Schouteden, 1903)	54	<i>ruborum</i> (Börner, 1932)	52
<i>RHITHROGENA</i>	18	<i>rubricatus</i> (Fallén, 1807)	28
<i>RHIZOECUS</i>	65	<i>rufescens</i> (Burmeister, 1835)	31
<i>rhodani</i> (Pictet, 1843)	17	(<i>Hallodapus</i>)	
<i>rhombicus</i> (Linnaeus, 1758)	99	<i>rufescens</i> (Herrich-Schaeffer, 1835)	36
<i>RHOPALOMYZUS</i>	56	(<i>Metatropis</i>)	
<i>RHOPALOPYX</i>	45	<i>rufescens</i> Melichar, 1896	48
<i>RHOPALOSIPHONINUS</i>	56	(<i>Kybos</i>)	
<i>RHOPALOSIPHUM</i>	52	<i>ruficeps</i> Thomson, 1871	23
[<i>RHOPALUS</i>]	35	<i>ruficornis</i> (Geoffroy, 1785)	29
<i>RHYACOPHILA</i>	102	<i>rufifrons</i> (Fallén, 1807)	31
<i>RHYTIDODUS</i>	47	<i>rufipennis</i> (Fallén, 1807)	27
<i>ribauti</i> (Ossiannilsson, 1938)	43	<i>rufipes</i> (Linnaeus, 1758)	39
<i>RIBAUTIANA</i>	50	(<i>Pentatoma</i>)	
<i>ribis</i> (Linnaeus, 1758)	54	<i>rufipes</i> (Wolff, 1804)	38
<i>ribisnigri</i> (Mosley, 1841)	56	(<i>Acompus</i>)	
<i>RICINUS</i>	77	<i>rufoscutellatus</i> (Latreille, 1807)	24
<i>RIPERSIELLA</i>	65	<i>rufula</i> Walker, 1849	52
<i>risi</i> (Morton, 1896)	84	<i>rufus</i> (Burmeister, 1838)	79
<i>rivulorum</i> Eaton, 1884	19	(<i>Kelerinirmus</i>)	
<i>roboris</i> (Linnaeus, 1758)	61	<i>rufus</i> Haliday, 1836	92
<i>roeselii</i> (Hagenbach, 1822)	75	(<i>Aptinothrips</i>)	
<i>rosae</i> (Bouché, 1833)	64	<i>rugicollis</i> (Fallén, 1807)	27
(<i>Aulacaspis</i>)		<i>rugosus</i> (Linnaeus, 1758)	33
<i>rosae</i> (Linnaeus, 1758)	49	<i>rugulipennis</i> Poppius, 1911	28
(<i>Edwardsiana</i>)		<i>rumicis</i> Linnaeus, 1758	52
<i>rosae</i> (Linnaeus, 1758)	55	<i>rusticus</i> (Fallén, 1807)	38
(<i>Macrosiphum</i>)		(<i>Stygnocoris</i>)	
<i>rosarum</i> (Kaltenbach, 1843)	56	<i>rusticus</i> Wagner, 1903	90
<i>roseomaculatus roseomaculatus</i>		(<i>Ceratophyllus</i>)	
(De Geer, 1773)	27	<i>rutilans</i> (Kirschbaum, 1868)	47
<i>rostocki</i> Kolbe, 1882	87	<i>ryeii</i> Douglas and Scott, 1865	37
<i>rostrata</i> (Burmeister, 1838)	82	<i>sabuleti</i> (Fallén, 1826)	36
<i>rubeculae</i> (Denny, 1842)	80	<i>sabulicola</i> (Curtis, 1837)	46
[<i>ruber</i> (Linnaeus, 1758)]	26	(<i>Psammotettix</i>)	
(<i>Deraeocoris</i>)		<i>sabulicola</i> Wagner, 1952	42
<i>ruber</i> Schoett, 1902	3	(<i>Kelisia</i>)	

<i>sabulosus</i> (Schilling, 1829)	38	<i>SCHIZAPHIS</i>	52
<i>saccharina</i> Linnaeus, 1758	102	<i>SCHIZOLACHNUS</i>	61
<i>SAEMUNDSSONIA</i>	81	<i>SCHOETTELLA</i>	9
<i>sagittifera</i> Ris, 1897	101	<i>schoetti</i> Axelson, 1903	15
<i>sahlbergi</i> (Fieber, 1848)	21	(<i>Sminthurides</i>)	
<i>SAISSETIA</i>	63	<i>schoetti</i> (Dalla Torre, 1895)	4
<i>SALDA</i>	24	(<i>Ballistura</i>)	
<i>SALDULA</i>	24	<i>schoetti</i> (Lie-Pettersen, 1896)	11
<i>salicellum</i> (Herrich-Schaeffer, 1841)	31	(<i>Oligaphorura</i>)	
<i>saliceti</i> (Foerster, 1848)	67	<i>schreiberi</i> Hille Ris Lambers and	
<i>salicina</i> (Goeze, 1778)	43	Stroyan, 1959	58
<i>salicis</i> (Kirschbaum, 1856)	32	<i>sciuri</i> Jancke, 1932	77
(<i>Psallus</i>)		<i>sciuricola</i> Ferris, 1921	77
<i>salicis</i> (Linnaeus, 1758)	64	<i>sciurorum sciurorum</i> (Schrank, 1803)	90
(<i>Chionaspis</i>)		<i>SCOLOPACEPS</i>	82
<i>salignus</i> (Gmelin, 1790)	61	<i>scolopacisphaeopodis humeralis</i>	
<i>saltator</i> (Hahn, 1835)	29	(Denny, 1842)	81
<i>saltatoria</i> (Linnaeus, 1758)	25	<i>SCOLOPOSTETHUS</i>	37
<i>sambuci</i> Linnaeus, 1758	52	<i>scotica</i> (Carpenter and Evans, 1899)	8
<i>sanborni</i> (Gillette, 1908)	55	(<i>Ceratophysella</i>)	
<i>sanguineum</i> (Müller, 1764)	73	<i>scotica</i> (Curtis, 1835)	24
<i>sarothamni</i> Douglas and Scott, 1865	33	(<i>Macrosaldula</i>)	
<i>saulii</i> Tamanini, 1947	23	<i>scotti</i> (Douglas and Scott, 1868)	22
<i>saundersi saundersi</i> Douglas and Scott, 1869	29	(<i>Sigara</i>)	
(<i>Teratocoris</i>)		<i>scotti</i> Edwards, 1920	48
<i>saundersi</i> (Lubbock, 1862)	14	(<i>Macropsis</i>)	
(<i>Dicyrtomina</i>)		<i>scutellaris</i> (Fabricius, 1794)	26
<i>saxicola</i> (Womersley, 1930)	69	<i>scutellata</i> (Boheman, 1845)	48
<i>saxonica</i> McLachlan, 1884	94	<i>sedii</i> Kaltenbach, 1843	52
<i>scabripennis</i> Edwards, 1915	48	<i>segnis</i> (Schönherr, 1811)	89
<i>scalaris</i> (Piaget, 1880)	79	<i>SEHIRUS</i>	39
(<i>Carduceps</i>)		<i>SEIRA</i>	4
<i>scalaris</i> (Ribaut, 1931)	50	<i>sejuncta</i> (Walker, 1848)	55
(<i>Ribautiana</i>)		<i>selecta</i> (Fieber, 1848)	21
<i>scambus</i> Eaton, 1870	17	[<i>sellatus</i> (Burmeister, 1838)]	80
<i>scanicus</i> (Fallén, 1806)	48	<i>semicolorata</i> (Curtis, 1834)	18
<i>scapelliferus</i> (Gisin, 1955)	5	<i>semistriata</i> (Fieber, 1848)	21
<i>scarabaeoides</i> (Linnaeus, 1758)	40	[<i>senecionis</i> Bagnall, 1932]	93
<i>SCHAEFFERIA</i>	9		
{ <i>SCHISTOCERCA</i> }	74		

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<i>senilis</i> (Burmeister, 1839)	96	<i>simplex</i> Ris, 1897	101
<i>sensibilis</i> (Tullberg, 1876)	7	(<i>Oxyethira</i>)	
<i>sensillata</i> (Gisin, 1953)	10	<i>simplex simplex</i> Rothschild, 1906	90
<i>septemnotatus</i> (Fallén, 1806)	45	(<i>Ischnopsyllus</i>)	
<i>sequax</i> McLachlan, 1875	100	<i>simulans</i> Mosely, 1920	101
SERICOSTOMA	100	(<i>Hydroptila</i>)	
SERICOTHRIPS	93	<i>simulans</i> Walker, 1853	70
<i>serrata</i> (Burmeister, 1839)	77	(<i>Hemerobius</i>)	
SERRATELLA	19	[<i>SINELLA</i>]	3
[<i>serrilimbus</i> (Burmeister, 1838)]	81	SIPHA	59
<i>serrulatus</i> Haliday, 1838	59	SIPHONURUS	18
<i>seticornis</i> (Fabricius, 1775)	26	SIPHONINUS	51
[<i>setiger</i> Priesner, 1921]	93	SIPHONOPERLA	84
SETODES	97	SISYRA	71
<i>setosus</i> (v. Olfers, 1816)	77	SITOBION	57
<i>setulosa</i> (Passerini, 1860)	60	<i>smaragdula</i> (Stål, 1853)	41
<i>sexmaculata</i> Curtis, 1834	101	(<i>Chloriona</i>)	
(<i>Agraylea</i>)		<i>smaragdulus</i> (Fallén, 1806)	49
<i>sexmaculata</i> (Fallén, 1806)	50	(<i>Kybos</i>)	
(<i>Linnavuoriana</i>)		SMINTHURIDES	15
<i>sexnotatus</i> (Fallén, 1806)	46	SMINTHURINUS	14
<i>sexoculata</i> (Tullberg, 1871)	5	SMINTHURUS	14
<i>sexpunctata</i> Axelson, 1902	10	SMYNTHURODES	60
(<i>Paranura</i>)		<i>socialis</i> (Flor, 1861)	46
<i>sexpunctatum</i> (Linnaeus, 1758)	88	<i>solani</i> (Kaltenbach, 1843)	53
(<i>Trichadenotecnum</i>)		SOLENOPOTES	77
SIALIS	68	<i>solidaginis</i> (Fabricius, 1779)	57
SIGARA	21	SOMATOCHLORA	73
<i>signatipennis</i> (Boheman, 1847)	50	<i>sonchi</i> (Foerster, 1848)	66
<i>signoreti</i> (Fieber, 1859)	36	(<i>Craspedolepta</i>)	
SILO	98	<i>sonchi</i> (Linnaeus, 1767)	57
<i>siltalai</i> Döhler, 1963	94	(<i>Uroleucon</i>)	
<i>simile</i> Eaton, 1870	17	SONRONIUS	46
(<i>Cloeon</i>)		<i>sorbi</i> (Kaltenbach, 1843)	54
<i>similis</i> (Giebel, 1866)	81	(<i>Dysaphis</i>)	
(<i>Quadriceps</i>)		<i>sorbi</i> (Linnaeus, 1758)	67
<i>similis</i> Kirschbaum, 1868	40	(<i>Cacopsylla</i>)	
(<i>Cixius</i>)		<i>sordidus</i> (Zetterstedt, 1828)	45
<i>similis</i> van der Goot, 1915	53	SORHOANUS	46
(<i>Capitophorus</i>)		<i>soricis soricis</i> (Dale, 1878)	91

<i>sotoensis</i> Simon, Ruiz and Martin, 1994	5	<i>statices statices</i> (Haliday, 1836)	93
<i>SPANIONEURA</i>	68	<i>staticis</i> (Theobald, 1923)	57
<i>sparsa</i> Curtis, 1834	101	<i>STATICOBIUM</i>	57
(<i>Hydroptila</i>)		<i>stellariae</i> Theobald, 1913	55
<i>sparsus</i> Curtis, 1834	99	<i>STENACIDIA</i>	15
(<i>Limnephilus</i>)		<i>STENAPHORURELLA</i>	13
<i>spartiophila</i> (Foerster, 1848)	66	<i>STENIDIOCERUS</i>	47
<i>spatulata</i> Taylor, 1997	68	<i>STENOCRANUS</i>	42
<i>spencei</i> Nasonow, 1893	92	<i>STENODEMA</i>	29
<i>SPEUDOTETTIX</i>	45	<i>STENOPHYLAX</i>	100
<i>SPHAERIDIA</i>	15	<i>STENOPSOCUS</i>	86
[<i>sphagnetocolus</i> (Linnaniemi, 1912)]	5	<i>STENOTUS</i>	29
<i>SPILOPSYLLUS</i>	89	<i>STETHOPHYMA</i>	74
<i>spinolae</i> (Meyer-Dür, 1841)	26	<i>stigma</i> Curtis, 1834	99
<i>spinosa</i> Kseneman, 1936	5	(<i>Limnephilus</i>)	
(<i>Folsomia</i>)		<i>stigma</i> Stephens, 1836	70
<i>spinosus</i> (Bagnall, 1949)	12	(<i>Hemerobius</i>)	
(<i>Allonychiurus</i>)		<i>stigmatalis</i> Lewis, 1834	47
<i>spinulosa</i> (Burmeister, 1839)	77	<i>STIROMA</i>	42
(<i>Polyplax</i>)		<i>stramineus</i> (Stål, 1858)	42
<i>spinulosus</i> (Piaget, 1880)	76	<i>strepsilaris</i> (Denny, 1842)	81
(<i>Actornithophilus</i>)		<i>STREPTANUS</i>	45
<i>splendens</i> (Harris, 1780)	71	<i>striata</i> (Linnaeus, 1758)	100
<i>sponsa</i> (Hansemann, 1823)	71	(<i>Oligotricha</i>)	
<i>spumarius</i> (Linnaeus, 1758)	43	<i>striatellus</i> (Fallén, 1826)	41
<i>spyrothecae</i> Passerini, 1860	60	(<i>Laodelphax</i>)	
<i>stachi</i> Bagnall, 1935	12	<i>striatellus striatellus</i> (Fabricius, 1794)	29
<i>stachydearum</i> (Hardy, 1850)	50	(<i>Rhabdomiris</i>)	
<i>stachydis stachydis</i> J. Sahlberg, 1878	26	<i>striatus</i> (Linnaeus, 1758)	28
<i>STAEGERIELLA</i>	57	(<i>Miris</i>)	
[<i>stagnalis</i> (Albarda, 1874)]	95	<i>striatus</i> (Linnaeus, 1758)	46
(<i>Holocentropus</i>)		(<i>Psammotettix</i>)	
<i>stagnalis stagnalis</i> (Leach, 1817)	21	<i>strigilifer</i> (Ossiannilsson, 1941)	49
(<i>Sigara</i>)		[<i>STRIGIPHILUS</i>]	82
<i>stagnorum</i> (Linnaeus, 1758)	23	<i>striola</i> (Fallén, 1806)	45
<i>staphyleae</i> (Koch, 1854)	57	(<i>Limotettix</i>)	
<i>staphylinus</i> Haliday, 1836	93	<i>striolatum</i> (Charpentier, 1840)	73
(<i>Sericothrips</i>)		(<i>Sympetrum</i>)	
<i>staphylinus</i> Westwood, 1842	15	<i>STROGGYLOCEPHALUS</i>	43
(<i>Campodea</i>)		<i>STROPHINGIA</i>	68

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<i>STRUEBINGIANELLA</i>	42	<i>SYMYDOBIUS</i>	58
<i>sturni</i> (Schrank, 1776)	82	<i>tabaci</i> Lindeman, 1889	93
<i>STURNIDOECUS</i>	82	<i>TACHYCINES</i>	75
<i>STYGNOCORIS</i>	38	<i>TACHYCIXIUS</i>	40
<i>stylifer</i> Trybom, 1894	92	<i>tadornae</i> (Denny, 1842)	78
<i>STYLOPS</i>	92	[<i>TAENIOPTERYX</i>]	84
<i>stysi</i> (Wagner, 1968)	27	<i>TAENIOTHRIPS</i>	93
<i>styx jordani</i> Smit, 1955	90	<i>TAKECALLIS</i>	
<i>styx styx</i> Rothschild, 1909	90	<i>talpae talpae</i> (Curtis, 1826)	91
<i>subaequalis</i> (Bagnall, 1937)	12	<i>TAPHROPELTUS</i>	37
<i>subambulans</i> Denis, 1935	11	<i>taraxaci</i> (Kaltenbach, 1843)	57
<i>subangulata</i> (J. Sahlberg, 1871)	48	<i>tauricus</i> Schmid, 1964	99
<i>subarmata</i> (Gisin, 1957)	12	<i>TEMNOSTETHUS</i>	33
<i>subcrassus</i> Tullberg, 1871	10	<i>templetoni</i> Bagnall, 1939	6
<i>subfasciatus</i> (Rambur, 1842)	87	<i>tenebricosa</i> Folsom, 1902	3
<i>subfuscus</i> (Fallén, 1806)	45	<i>tenella</i> (Reuter, 1895)	6
<i>submarina</i> Bagnall, 1934	10	(<i>Proisotoma</i>)	
<i>subnebulosus</i> (Stephens, 1836)	70	[<i>tenellum</i> (de Villers, 1789)]	72
<i>subnigra</i> McLachlan, 1865	96	(<i>Ceriagrion</i>)	
<i>subpunctata</i> (Foerster, 1848)	67	<i>tenellus</i> (Fallén, 1807)	30
<i>SUBSALTUSAPHIS</i>	62	(<i>Orthotylus</i>)	
<i>subterranea</i> (Walker, 1852)	53	<i>tenellus</i> (Rambur, 1842)	94
<i>subulata</i> (Linnaeus, 1758)	74	(<i>Ecnomus</i>)	
<i>subuliginata</i> (Gisin, 1956)	12	<i>tenerrima</i> (Herrich-Schäffer, 1834)	50
[<i>subvirei</i> Bonet, 1931]	4	<i>tenuicornis</i> (Axelson, 1903)	7
<i>succinea</i> (Gisin, 1949)	8	(<i>Marisotoma</i>)	
<i>suis</i> (Linnaeus, 1758)	78	<i>tenuicornis</i> (Kirby, 1815)	92
<i>sulcicollis</i> (Stephens, 1836)	83	(<i>Elenchus</i>)	
<i>sulphurea</i> (Müller, 1776)	18	<i>tenuisensillata</i> Rusek, 1974	13
(<i>Heptagenia</i>)		<i>TERATOCORIS</i>	29
<i>sulphurella</i> (Zetterstedt, 1828)	44	<i>terminalis</i> Curtis, 1854	71
(<i>Elymana</i>)		[<i>terricolus</i> Gisin, 1958]	14
<i>sulphureus</i> (Koch, 1840)	14	<i>testacea</i> (Curtis, 1834)	97
(<i>Deuterostminthurus</i>)		<i>testudinaceus</i> (Ferne, 1852)	59
<i>SUPELLA</i>	17	<i>testudinaria</i> (Geoffroy, 1785)	39
{ <i>supplicans</i> (F. Walker, 1859)}	74	<i>TETRACANTHELLA</i>	6
<i>SUPRAPHORURA</i>	12	<i>TETRANEURA</i>	59
<i>surinamensis</i> (Linnaeus, 1758)	16	<i>TETRAPHLEPS</i>	34
<i>sylvaticus</i> (Fabricius, 1775)	37	<i>tetrarhodum</i> (Walker, 1849)	53
<i>SYMPETRUM</i>	73	<i>TETRIX</i>	74

{TETTIGONIA}	75	<i>tineiformis</i> Curtis, 1834	97
THALASSAPHORURA	12	(<i>Leptocerus</i>)	
<i>thalassinum</i> (De Geer, 1773)	75	<i>tineoides</i> Dalman, 1819	101
<i>thalassophila</i> (Bagnall, 1939)	10	TINGIS	25
(<i>Anurida</i>)		<i>tinnunculi</i> (Linnaeus, 1758)	76
<i>thalassophila</i> Bagnall, 1940	5	TINODES	95
(<i>Folsomia</i>)		<i>tipularius</i> (Linnaeus, 1758)	35
THAMNOTETTIX	45	<i>titei</i> Pearman, 1953	86
THECABIUS	60	TOMOCERUS	8
THELAXES	62	<i>tormentillae</i> Passerini, 1879	52
<i>theobaldi</i> Takahashi, 1930	57	<i>torrentis</i> Kimmins, 1942	18
THERMOBIA	102	<i>torrentium</i> (Pictet, 1841)	84
<i>thermophilus</i> (Axelson, 1900)	5	[? <i>totani</i> (Schrank, 1803)]	76
<i>thomsoni</i> Reuter, 1875	37	TRABECULUS	82
<i>thoracica</i> (Fallén, 1807)	31	<i>traegardhi</i> Ionesco, 1937	15
(<i>Harpocera</i>)		TRAMA	61
<i>thoracicus</i> Schummel, 1832	24	<i>transitorium</i> Berlese, 1908	15
(<i>Gerris</i>)		<i>transversum</i> (Denny, 1842)	76
THRIPS	93	TRAPEZONOTUS	37
THRIPSAPHIS	62	<i>tremulae</i> (Estlund, 1796)	47
<i>thymi</i> (Wolff, 1804)	37	(<i>Tremulicerus</i>)	
THYREOCORIS	39	<i>tremulae</i> Koch, 1854	59
<i>tibialis</i> (Hahn, 1833)	30	(<i>Chaitophorus</i>)	
(<i>Heterocordylus</i>)		<i>tremulae</i> (Linnaeus, 1761)	60
<i>tibialis</i> (Piaget, 1880)	82	(<i>Pachypappa</i>)	
(<i>Bovicola</i>)		TREMULICERUS	47
<i>tibialis</i> Reuter, 1888	34	TRIAENODES	97
(<i>Temnostethus</i>)		TRIALEURODES	51
<i>tigrina</i> Nicolet, 1842	6	<i>tricampata</i> (Gisin, 1956)	12
<i>tigurina</i> Ris, 1894	101	TRICHADENOTECCNUM	88
<i>tiliae</i> (Fallén, 1806)	49	TRICHODECTES	82
(<i>Zygina</i>)		TRICHOLEIOCHITON	102
<i>tiliae</i> (Linnaeus, 1758)	58	TRICHOPSOCUS	88
(<i>Eucallipterus</i>)		<i>tricornis</i> (Schrank, 1801)	25
<i>tiliae</i> (Linnaeus, 1758)	63	<i>triglochinis</i> Theobald, 1926	52
(<i>Eulecanium</i>)		TRIGONIOPHTHALMUS	69
<i>tiliae tiliae</i> (Fabricius, 1777)	28	TRIGONOTYLUS	29
(<i>Phytocoris</i>)		<i>trimaculatus</i> (Curtis, 1834)	95
<i>tineiformis</i> Curtis, 1834	70	[<i>tringae</i> (O. Fabricius, 1780)]	81
(<i>Coniopteryx</i>)		TRINOTON	77

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<i>TRIONYMUS</i>	65	(<i>Phytocoris</i>)	
<i>TRIOZA</i>	68	<i>ulmi</i> (Linnaeus, 1758)	50
<i>tripolii</i> Laing, 1920	52	(<i>Ribautiana</i>)	
<i>tripunctata</i> (Scopoli, 1763)	84	<i>ulmi</i> (Linnaeus, 1758)	59
<i>tripustulatus</i> (Fabricius, 1781)	27	(<i>Tetraneura</i>)	
<i>trirhodus</i> (Walker, 1849)	55	<i>ulmi</i> (Linnaeus, 1758)	64
<i>tristella</i> Klapálek, 1895	102	(<i>Lepidosaphes</i>)	
<i>tristis</i> (Zetterstedt, 1840)	48	<i>ulmi ulmi</i> (Linnaeus, 1758)	59
<i>tristriatus</i> (Fabricius, 1787)	38	(<i>Eriosoma</i>)	
<i>TROGIUM</i>	85	<i>ulmifoliorum</i> (Haliday, 1836)	93
<i>troglydites</i> von Heyden, 1837	61	<i>ulmiphagus</i> Wilson and Claridge, 1999	49
<i>TROILUS</i>	39	<i>ULOPA</i>	50
<i>truncata</i> Cassagnau, 1958	10	[<i>ultonica</i> Carpenter, 1911]	4
<i>TUBAPHIS</i>	57	<i>undulata</i> (Sowerby, 1806)	74
<i>TUBERCULATUS</i>	58	<i>unicolor</i> (Pictet, 1834)	95
<i>TUBEROLACHNUS</i>	61	<i>unipunctatus</i> (Müller, 1764)	87
<i>tullbergi</i> Börner, 1903	9	<i>ununguiculata</i> (Tullberg, 1869)	9
(<i>Xenylla</i>)		<i>UROLEUCON</i>	57
[<i>tullbergi</i> (Schaeffer, 1900)]	9	[<i>urticae</i> (Fabricius, 1775)]	36
(<i>Hypogastrura</i>)		(<i>Heterogaster</i>)	
<i>tullbergi</i> Schoett, 1891	10	<i>urticae</i> (Fabricius, 1803)	50
(<i>Anurida</i>)		(<i>Eupteryx</i>)	
<i>tumulorum</i> Perkins, 1918	92	<i>urticae</i> (Linnaeus, 1758)	65
<i>tunicatus</i> (Fabricius, 1781)	28	(<i>Orthezia</i>)	
<i>turdi merulae</i> (Denny, 1842)	80	<i>urticae</i> (Linnaeus, 1758)	68
<i>TURRUTUS</i>	46	(<i>Trioza</i>)	
<i>typhae</i> (Perris, 1857)	36	<i>UTAMPHOROPHORA</i>	57
<i>TYPHLOCERAS</i>	91	<i>utricularia</i> (Passerini, 1856)	60
<i>TYPHLOCYBA</i>	50	<i>vagabundus</i> (Linnaeus, 1758)	35
<i>TYTONIELLA</i>	82	(<i>Empicoris</i>)	
<i>TYTTHUS</i>	32	<i>vagabundus insularis</i> Rothschild, 1906	90
<i>ulicis</i> Curtis, 1836	67	(<i>Ceratophyllus</i>)	
(<i>Livilla</i>)		<i>VALENZUELA</i>	86
<i>ulicis</i> Foerster, 1848	66	<i>validus</i> Uzel, 1895	93
(<i>Aphalara</i>)		<i>vaporariorum</i> (Westwood, 1856)	51
<i>ulicis</i> (Haliday, 1836)	93	<i>varia</i> (Fabricius, 1793)	100
(<i>Odontothrips</i>)		<i>variabilis</i> (Fallén, 1807)	32
<i>ulicis</i> Walker, 1870	52	<i>varians varians</i> (Herrich-Schaeffer, 1841)	32
(<i>Aphis</i>)		<i>variegata</i> (Latreille, 1799)	88
<i>ulmi</i> (Linnaeus, 1758)	28	(<i>Loensia</i>)	

<i>variegatus</i> (Fabricius, 1793)	71	<i>viridinervis</i> (Kirschbaum, 1856)	30
(<i>Micromus</i>)		<i>viridis</i> Bourlet, 1839	7
<i>variolosa</i> (Ratzeburg, 1870)	63	(<i>Isotoma</i>)	
<i>varipes</i> Boheman, 1852	28	<i>viridis</i> Delcourt, 1909	22
<i>varius</i> (Burmeister, 1838)	79	(<i>Notonecta</i>)	
VELIA	23	<i>viridis</i> Douglas and Scott, 1867	29
<i>venosa</i> (Fourcroy, 1785)	43	(<i>Teratocoris</i>)	
(<i>Anaceratagallia</i>)		<i>viridis</i> (Fallén, 1807)	27
<i>venosus</i> (Fabricius, 1775)	18	(<i>Lygocoris</i>)	
(<i>Ecdyonurus</i>)		<i>viridis</i> (Linnaeus, 1758)	44
<i>ventralis</i> (Curtis, 1834)	70	(<i>Cicadella</i>)	
<i>ventricosus</i> (Denny, 1842)	77	<i>viridis</i> (Linnaeus, 1758)	15
<i>venusta</i> (Douglas and Scott, 1869)	21	(<i>Sminthurus</i>)	
[VERHOEFFIELLA]	4	{ <i>viridissima</i> (Linnaeus, 1758)}	75
<i>vernus</i> Curtis, 1834	17	<i>viridula</i> (Fallén, 1806)	48
<i>verrucosa</i> (Gillette, 1917)	62	(<i>Chlorita</i>)	
VERTAGOPUS	7	{ <i>viridula</i> Linnaeus, 1758}	39
VESICULAPHIS	57	(<i>Nezara</i>)	
<i>vespertina</i> (Linnaeus, 1758)	18	<i>viridulus</i> (Linnaeus, 1758)	74
[<i>vestita</i> (Brown, 1923)]	6	(<i>Omocestus</i>)	
<i>viatica</i> (Tullberg, 1872)	9	<i>vitifoliae</i> (Fitch, 1851)	66
<i>viburni</i> Scopoli, 1763	52	<i>vitis</i> (Goethe, 1875)	48
(<i>Aphis</i>)		(<i>Empoasca</i>)	
<i>viburni</i> Signoret, 1873	63	<i>vitis</i> (Linnaeus, 1758)	63
(<i>Lichtensia</i>)		(<i>Pulvinaria</i>)	
<i>viciae</i> Buckton, 1876	55	<i>vitreoradiata</i> (Maskell, 1879)	68
<i>villosa</i> (Fabricius, 1798)	98	<i>vitreus</i> (Fabricius, 1803)	47
(<i>Chaetopteryx</i>)		<i>vitripennis</i> (Flor, 1861)	45
<i>villosa</i> (Geoffroy, 1764)	4	<i>vitripennis hibernica</i> (Le Quesne, 1964)	45
(<i>Orchesella</i>)		<i>vittata</i> (Linnaeus, 1758)	50
<i>violacea</i> (Reuter, 1881)	15	(<i>Eupteryx</i>)	
(<i>Stenacidia</i>)		<i>vittata</i> (Wesmael, 1841)	70
<i>violacea</i> (Tullberg, 1876)	6	(<i>Nineta</i>)	
(<i>Desoria</i>)		<i>vittatus</i> (Fabricius, 1798)	99
<i>virescens</i> (Douglas and Scott, 1865)	31	(<i>Limnophilus</i>)	
<i>virgator</i> (Ribaut, 1933)	49	<i>vittipennis</i> (Sahlberg, 1868)	42
<i>virgo</i> (Linnaeus, 1758)	71	<i>vituli</i> (Linnaeus, 1758)	77
<i>virgula</i> (Herrich-Schaeffer, 1835)	26	<i>vulgaris</i> (Tullberg, 1871)	8
<i>viridana</i> (Cholodkovsky, 1896)	66	[<i>vulgata</i> Linnaeus, 1758]	19
<i>viridigriseus</i> (Edwards, 1924)	46	<i>vulgatissimus</i> Haliday, 1836	93

AN ANNOTATED CHECKLIST OF THE IRISH HEMIPTERA & SMALL ORDERS

<i>(Thrips)</i>		<i>willemi</i> (Bonet, 1930)	9
<i>vulgatissimus</i> (Linnaeus, 1758)	73	<i>WILLEMIA</i>	9
<i>(Gomphus)</i>		<i>WILLOWSIA</i>	4
<i>vulpis</i> (Denny, 1842)	82	<i>wollastoni</i> (Douglas and Scott, 1865)	20
<i>waeneri</i> (Linnaeus, 1758)	95	<i>WORMALDIA</i>	96
<i>wagneri</i> Ossiannilsson, 1953	32	<i>XANTHODELPHAX</i>	42
<i>(Psallus)</i>		<i>xanthoneurus</i> (Fieber, 1869)	46
<i>wagneri</i> Remane, 1955	28	<i>xavieri</i> da Gama, 1959	9
<i>(Lygus)</i>		<i>XENOPSYLLA</i>	89
<i>WAGNERIPTERYX</i>	50	<i>XENYLLA</i>	9
<i>wahlbergi</i> (Boheman, 1845)	48	<i>XENYLLODES</i>	11
<i>wahlgreni</i> Axelson, 1907	6	<i>XYLOCORIS</i>	34
<i>WAHLGRENIELLA</i>	57	<i>YLODES</i>	97
<i>walkeri</i> (Newstead, 1891)	65	<i>ZICRONA</i>	39
<i>wallengreni</i> McLachlan, 1871	98	<i>ZLOTORZYCKELLA</i>	78
<i>waltli</i> (Fieber, 1860)	20	<i>zonatus</i> (Frauenfeld, 1868)	64
<i>waterstoni</i> (Jordon, 1925)	90	<i>ZONOCYBA</i>	50
<i>WERNECKIELLA</i>	82	<i>ZYGINA</i>	49
<i>WESMAELIUS</i>	70		

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