

Corrections and changes to the Diptera Checklist (48) – Editor

It is intended to publish here any corrections to the text of the latest Diptera checklist (publication date was 13 November 1998; the final ‘cut-off’ date for included information was 17 June 1998) and to draw attention to any subsequent changes. All readers are asked to inform me of errors or changes and I thank all those who have already brought these to my attention.

Changes are listed under families; names new to the British Isles list are in bold type. The notes below refer to the addition of 17 species, deletion of two and loss to synonymy of one species, resulting in a total of **7243** species (of which 41 are recorded only from Ireland).

An updated version of the checklist, incorporating all corrections and changes that have been reported in *Dipterists Digest*, is available for download from the Dipterists Forum website. It is intended to update this regularly following the appearance of each issue of *Dipterists Digest*.

Limoniidae. The following species were added by A.E. STUBBS (2021. *British Craneflies*. 434 + xvi pp, 63 plates. British Entomological and Natural History Society, Reading):

Rhabdomastix (sensu stricto) **eugeni** Starý, 2004

Rhabdomastix (sensu stricto) **laeta** (Loew, 1873 – *Gonomyia*)

Mycetophilidae. The following species was added by K.N.A. ALEXANDER and P.J. CHANDLER (2022. Saprophytic and other invertebrates from an upland woodland on the fringes of Bodmin Moor, Cornwall. *British Journal of Entomology and Natural History* **35**, 25-35):

Sciophila **arizonensis** Zaitzev, 1982

The subgenera of *Allodia* (*Allodia* s.s. and *Brachycampta*) were raised to generic rank by T. MAGNUSSEN, A. JOHNSEN, J. KJÆRANDSEN, T. STRUCK and G.E.E. SØLI (2021. Molecular phylogeny of *Allodia* (Diptera: Mycetophilidae) constructed using genome skimming. *Systematic Entomology* DOI: 10.1111/syen.12529: 1-15). Within the genus *Brachycampta* species described under that name no longer require parentheses around the author’s name, while these are now applied for those species of *Brachycampta* that were described in *Allodia*.

The following additions and changes result from P. CHANDLER (2022. Fungus gnats (Diptera: Mycetophilidae, Mycetophilinae). *Handbooks for the Identification of British Insects* **9(8)**: vi + 397 pp. Royal Entomological Society):

Brevicornu **canadense** Zaitzev, 1988 (= *Brevicornu* sp. near *arcticum* sensu Chandler, 2013)

Brevicornu sp. near *arcticum* (= *arcticum*: Chandler, 1977, misident.); this species is now considered to have been misidentified and is probably an undescribed species.

Trichonta **subterminalis** Zaitzev & Menzel, 1996 (a new addition)

A species of *Cordyla* near *C. murina* was keyed but also remains nameless.

Cecidomyiidae. The following genus and species of subfamily Cecidomyiinae (tribe Dasineurini) was added by T. WHITHAM, J. BOWDREY and M. BLAKE (2022. *Dryomyia lichtensteinii* (Diptera: Cecidomyiidae), a holm oak gall midge new to the British Isles. *British Journal of Entomology and Natural History* **35**, 5-11):

DRYOMYIA Kieffer, 1898

lichtensteinii (F. Löw, 1878 – *Cecidomyia*). Host: *Quercus ilex*.

A new edition has been published of the world catalogue by R.J. GAGNÉ and M. JASCHHOF (2021. *A Catalog of the Cecidomyiidae (Diptera) of the World*. Fifth Edition. Digital. 816 pp). This has resulted in the following amendments to the British checklist, including some previously overlooked (Mathias Jaschhof has advised on changes in subfamilies other than Cecidomyiinae):

ANTENNARDIA Mamaev, 1993 (in tribe Micromyini)

Antennardia antennata (Winnertz, 1870 – *Campylomyza*) (transferred from *Monardia*, of which this genus had been considered a subgenus, by M. JASCHHOF and C. JASCHHOF (2020. An update of Micromyinae (Diptera: Cecidomyiidae) taxonomy, with descriptions of a new genus and 13 new species from northern Europe. *Zootaxa* **4750**, 349-369)).

Monardia (Xylopriona) monothea Edwards, 1938 (transferred from *Polyardis* by M. JASCHHOF and C. JASCHHOF (2009. The wood midges (Diptera: Cecidomyiidae: Lestremiinae) of Fennoscandia and Denmark. *Studia Dipterologica Supplement* **18**, 1-333 (p. 211))

Peromyia aertipennis (Skuse, 1888 – *Campylomyza*) (= *muscorum* (Kieffer, 1895 – *Joannisia*)

Peromyia impexa (Skuse, 1888 – *Campylomyza*) (= *palustris* (Kieffer, 1895 – *Joannisia*))

(These synonymies were established by M. JASCHHOF (2010. New species of *Peromyia* from Tasmania, with a revision of Schiner's and Skuse's types of Australian Micromyinae (Diptera: Cecidomyiidae). *Beiträge zur Entomologie* **60**, 33-55).

Peromyia trimera (Edwards, 1938 – *Joannisia*) (raised from synonymy with *P. ramosa* (Edwards, 1938) (both species had British types) by M. JASCHHOF and C. JASCHHOF (2017. Mycophagous gall midges (Diptera, Cecidomyiidae: Lestremiinae, Micromyinae, Winnertziinae, Porricondyliinae): first records in Sweden and descriptions of closely related new species from elsewhere. *Zootaxa* **4226**(4), 546-570)).

Cassidoides pini Mamaev, 1960 (= *C. fulvus* (Kieffer, 1896) according to M. JASCHHOF and C. JASCHHOF (2013. The Porricondyliinae (Diptera: Cecidomyiidae) of Sweden, with notes on extralimital species. *Studia Dipterologica Supplement* **20**, 1-392 (p.300)).

Claspettomya toelgi (Kieffer, 1913) (spelling corrected from *toelgii*)

Contarinia betulicola (Kieffer, 1889 – *Diplosis*) (newly transferred from *Resseliella* in Catalogue)

Contarinia lonicerearum (F. Löw, 1877 – *Diplosis*) (raised from synonymy with *C. sambuci* (Kaltenbach, 1873) by M. SKUHRAVÁ (2009. New records and name changes in Cecidomyiidae (Diptera) of Czech Republic and Slovakia with comments on their occurrence. *Folia Faunistica Slovaca* **14**, 131-137)).

Dasineura subpatula (Bremi, 1847 – *Cecidomyia*), which was listed under Excluded species in the checklist, is now placed as a synonym of *Spurgia euphorbiae* (Vallot, 1827)

ENDAPHIS Kieffer, 1896 (= ENDOPSYLLA de Meijere, 1907). Genus synonymised by R.J. GAGNÉ and J. ETIENNE (2019. A review of the genus *Endaphis* (Diptera: Cecidomyiidae) and the description of a new species preying on *Mitropsylla* sp. (Hemiptera: Psyllidae) in Guadeloupe F.W.I. *Proceedings of the Entomological Society of Washington* **121**, 26-38): *Endaphis agilis* (de Meijere, 1907 – *Endopsylla*)

Macrolabis luceti Kieffer, 1899 is the accepted name as the synonymy with *rhodophila* (Hardy, 1850) by Bland (2000) is not accepted; *rhodophila* is returned to nomen dubium status.

Mayetiola bromicola Roberti, 1953 (listed from UK) Host: *Bromus* spp.

PICEACECIS Gagné, 2014

Piceacecis abietiperda (Henschel, 1880 – *Cecidomyia*) (transferred from *Dasineura* by R.J. GAGNÉ (2014. pp. 379, 382-390. In Gagné, R.J. and Grancy L. *Piceacecis* (Diptera,

Cecidomyiidae), a new genus for a non-native pest of Norway spruce from Europe and its North American relative. *Proceedings of the Entomological Society of Washington* **116**, 378-393).

Rabdophaga clausilia (Bremi, 1847) is returned to a nomen dubium, and the identifications by Redfern and Shirley (2002) and O'Connor (2006) are not accepted. The identity of the species they recorded is unclear.

Rabdophaga rosariella (Kieffer, 1896 – *Bertiera*) was raised from synonymy with *R. pulvini* by K.M. HARRIS (2009. Rosette galls on willows: *Rabdophaga rosariella* (Kieffer) restored from synonymy. *Cecidology* **24**, 27-30).

The following species listed in the “Excluded species” category in the British checklist are listed from the UK in the Catalog:

Camptodiplosis boleti (Kieffer, 1901)

Planetella caricis (Rübsaamen, 1911)

Trisopsis hyperici Tavares, 1919

Trotteria umbelliferarum (Kieffer, 1901)

Of these *P. caricis* was noted in the checklist as having been cited as British in error (Skuhravá pers. comm.) and the others are retained with excluded status pending further information.

Empididae sensu lato. A new family **ITEAPHILIDAE** was proposed by B.J. SINCLAIR and I.V. SHAMSHEV (2021. World revision of *Iteaphila* with unbranched radial vein (Diptera: Empidoidea: Iteaphilidae). *Zootaxa* **4968**, 89 pp) to include *Iteaphila* and a newly established genus *Paraiteaphila*. This resulted in the following addition and changes:

Iteaphila falki Sinclair & Shamshev, 2021 (details provided by Falk in the present issue)

PARAITEAPHILA Sinclair & Shamshev, 2021

Paraiteaphila arundela (Shamshev & Sinclair, 2009 – *Iteaphila*)

Syrphidae. It was overlooked when citing changes proposed by A. VUJIĆ, G. STÅHLS, J. AČANSKI, H. BARTSCH, R. BYGEBJERG and A. STEFANOVIC (2013. Systematics of Pipizini and taxonomy of European *Pipiza* Fallén: molecular and morphological evidence (Diptera, Syrphidae). *Zoologica Scripta* **42**, 288-305) that *Neocnemodon* had been raised from a subgenus of *Heringia* to generic rank

NEOCNEMODON Goffe, 1944 (as genus; the citation of the five included species is otherwise unchanged)

The following species is added in the present issue:

Epistrophe flava Doczkal & Schmid, 1994

Agromyzidae. The following species are added in the present issue:

Amauromyza (*Cephalomyza*) *karli* (Hendel, 1927 – *Dizygomyza*)

Cerodontha (*Dizygomyza*) *hirtae* Nowakowski, 1967

Also in the present issue, twelve species added in the 1998 checklist are confirmed with the first published British records, while the following species is removed from the list:

Phytomyza rapunculi Hendel, 1927

Sphaeroceridae. The following species is added in the present issue:

Minilimosina floreni Roháček and Marshall, 1988

Ephydriidae. The following species is added in the present issue:

Hydrellia tibialis Cresson, 1917

The following changes result from T. ZATWARNICKI (2018. Solving the puzzle of taxonomic position of the petroleum fly by resurrection of *Diasemocera* Bezzi from *Psilopa* Fallén (Diptera: Ephydriidae) with proposed specific and generic synonymies. *Annales Zoologici* **68**(3), 527-552):

DIASEMOCERA Bezzi, 1895 (split from *Psilopa* to include the following species)

Diasemocera leucostoma (Meigen, 1830 – *Notiphila*)

Diasemocera marginella (Fallén, 1823 – *Psilopa*)

Diasemocera nana (Loew, 1860 – *Psilopa*)

Diasemocera pulicaria (Haliday, 1839 – *Notiphila*)

Diasemocera glabricula (Fallén, 1813 – *Notiphila*) (= *nigritella* (Stenhammar, 1844 – *Psilopa*))

The following species was added by J.-H. STUKE (2022. A second European *Axysta* species (Diptera: Ephydriidae). *Acta Zoologica Academiae Scientiarum Hungaricae* **68**(2), 159-168):

Axysta claussemi Stuke, 2022

Changes to the Irish Diptera List (33) – Editor

This section appears, whenever necessary, to keep up to date the initial update of the Irish list in Vol. **10**, 135-146 and the latest checklist of Irish Diptera (Chandler *et al.* 2008). Species are listed under families. The gain of 5 species and loss of 2 brings the total Irish list to 3466.

Ceratopogonidae

Culicoides cameroni Campbell & Pelham-Clinton, 1960 (Collins, A.B. *et al.* 2018. *Culicoides* species composition and abundance on Irish cattle farms: implications for arboviral disease transmission. *Parasites and Vectors* **11**, 472-485).

Syrphidae

The following species have been included in the Irish list in error (Stuart Ball *pers. comm.*) and should be deleted:

Heringia (Neocnemodon) latitarsis (Egger, 1865)

Pipiza fasciata Meigen 1822

Pipiza lugubris (Fabricius, 1775) (this was queried as Irish so was not included in the total of species)

Sphaeroceridae

Thoracochaeta brachystoma (Stenhammar, 1855) (this was queried as Irish and is confirmed by Hodge and Brice in the present issue)

Thoracochaeta erectiseta Carles-Tolrá, 1994 (added by Hodge and Brice in the present issue)

Thoracochaeta seticosta (Spuler, 1925) (added by Hodge and Brice in the present issue)

Thoracochaeta valentinei Roháčěk & Marshall, 2000 (added by Hodge and Brice in the present issue)