

This document contains:

- Chandler, P.F. 2024. Corrections and changes to the Diptera Checklist (52). *Dipterists Digest* 32(2): 208–211.
- Chandler, P.F. 2024. Changes to the Irish Diptera List (37). *Dipterists Digest* 32(2): 214.

## Corrections and changes to the Diptera Checklist (52) – 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 8 species and loss of 5 due to synonymy, resulting in a total of **7270** species (of which 39 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 updated following publication of each issue of *Dipterists Digest*.

**Psychodidae.** The following species was added by L. TONNOIR (1940. A synopsis of the British Psychodidae (Dipt.), with descriptions of new species. *Transactions of the Society for British Entomology* 7(2), 21-64), but subsequently overlooked:

*Psychoda pusilla* Tonnoir, 1922

The following synonymy was proposed by G.M. KVIFTE, J. SALMELA and A. SUURONEN (2020. Taxonomic history of *Pericoma albomaculata* Wahlgren, 1904 (Diptera, Psychodidae) with new synonymies and description of *Panimerus halophilus* sp. n. *Norwegian Journal of Entomology* 67(1), 61-69):

*Pericoma albomaculata* Wahlgren, 1904 = *Pericoma rivularis* Berdén, 1954

The name *Pericoma pseudoexquisita* Tonnoir, 1940 was found to be an incorrect subsequent spelling, hence unavailable, by A. MORELLI and A.B. BISCACCIANTI (2021. New records of moth flies (Diptera Psychodidae) mainly from protected areas of peninsular Italy. *Redia* 104, 111-123), and should be *Pericoma pseudexquisita* Tonnoir, 1940

The tribal and generic composition is amended to reflect that currently accepted in European studies of this family:

Tribe Pericomaini: revised spelling of tribal name due to homonymy in Dermaptera; Mormiini and Paramormiini (revised name for Telmatoscopini of earlier list) are treated as synonymous with Pericomaini following G.M. KVIFTE (2018. Molecular phylogeny of moth flies (Diptera, Psychodidae, Psychodinae) revisited, with a revised tribal classification: Phylogeny of Psychodidae: Psychodinae. *Systematic Entomology* 43(3), 1-10).

BOREOCLYTOCERUS Duckhouse, 1978 is returned to a subgenus of **CLYTOCERUS** Eaton, 1904

**PARABAZARELLA** Vaillant, 1983 raised from a subgenus of *Bazarella* includes *P. neglecta* PNEUMIA Enderlein, 1935 and ULOMYIA Haliday in Walker, 1856 are raised to generic rank from subgenera of PERICOMA Haliday in Walker, 1856

TINEARIA Schellenberg, 1803 = PSYCHODA Latreille, 1796, returned to no more than subgeneric status

The splitting of TELMATOSCOPIUS Eaton, 1904 is recognised, with *Telmatoscopus* restricted to the concept of G.M. KVIFTE (2014. Nomenclature and taxonomy of *Telmatoscopus* Eaton and *Seoda* Enderlein; with a discussion of parameral evolution in Paramormiini and Pericomaini

(Diptera: Psychodidae, Psychodinae). *Zootaxa* **3878**(4), 390-400 (including *T. advena* and *T. laurencei*)

**SEODA** Enderlein, 1935 (also as in Kvitte 2014; including *S. ambigua*, *S. britteni*, *S. labeculosa*, *S. morula* and *S. similis*)

The other species included under *Telmatoscopus* in the checklist are distributed as follows:

**JUNGIELLA** Vaillant, 1972 (including *J. acuminata*, *J. parvula*, *J. soleata* and *J. valachica*)

**LEPISEODINA** Enderlein, 1937 (including *L. rothschildii* and *L. tristis*)

**PARAJUNGIELLA** Vaillant, 1972 (including *P. consors*, *P. ellisi*, *P. longicornis* and *P. pseudolongicornis*)

**Chironomidae.** The following species is added in the present issue (p. 245):

*Corynoneura collaris* Makarchenko & Makarchenko, 2010

**Hybotidae.** The following synonymy was proposed by I. SHAMSHEV and P. GROOTAERT (2024. Revision of the described Nearctic species of the genus *Tachydromia* Meigen (Diptera: Hybotidae). *Zootaxa* **5403**(2),151-196, doi: 10.11646):

*Tachydromia enecator* Melander, 1902 = *T. lundstroemi* Frey, 1913

**Empididae.** The following synonymy was proposed by M. BARTÁK and R. DANIELSSON (2007. Revision of *Rhaphomyia* species (Diptera, Empididae) described by J.W. Zetterstedt. *Acta Zoologica Universitatis Comenianae* **47**(2), 105-114):

*Rhaphomyia trilineata* Zetterstedt, 1859 = *R. sulcatina* Collin, 1926

**Note.** E. WAHLBERG and K.A. JOHANSON (2018. Molecular phylogenetics reveals novel relationships within Empidoidea (Diptera). *Systematic Entomology* **43**, 619-636) established **Ragadidae** as a family to include Ragadinae (sensu Sinclair 2016, including RAGAS and HORMOPEZA) and Itaphilinae, proposed as a new subfamily. E. WAHLBERG (2019. Revision and morphological analysis of the Ragadidae (Insecta, Diptera). *European Journal of Taxonomy* **521**, 1-19) then proposed that HORMOPEZA Zetterstedt, 1838 should be transferred to Itaphilinae, but when B.J. SINCLAIR and I. SHAMSHEV (2021) raised Itaphilinae to family status they did not accept that *Hormopeza* belonged there.

**Dolichopodidae.** The following species is added in the present issue (p. 133):

*Hercostomus argentifrons* Oldenberg, 1916

The following synonymy is proposed in the present issue (p. 170)

*Medetera feminina* Negrobov, 1967 = *Medetera oscillans* Allen, 1976

**Phoridae.** The following synonymy was proposed by R.H.L. DISNEY (2015. Scuttle flies (Diptera, Phoridae) from the canopies of oak trees (Fagaceae) in Norway, including 13 new species. *Norwegian Journal of Entomology* **62**(1), 20-52):

*Megaselia ignobilis* (Schmitz, 1919 – *Aphiochaeta*) = *M. sororpusilla* Disney, 2012

The following species is added in the present issue:

*Megaselia limpachensis* Disney & Prescher, 2015 (p. 250)

**Syrphidae.** The raising of LAPPOSYRPHUS Dušek & Láska, 1967 from a subgenus of EUPEODES to a distinct genus follows recent works, and is supported by the phylogenetic analysis by X. MENGUAL, G. STÁHLS, P. LÁSKA, L. MAZÁNEK and S. ROJO (2018. Molecular genetics of the predatory lineage of flower flies *Eupeodes-Scaeva* (Diptera:

Syrphidae), with the description of the Neotropical genus *Austroscaeva* gen. nov. *Journal of Zoological Systematics and Evolutionary Research* **56**, 148-169).

**Pipunculidae.** The following changes were proposed by B. MOTAMEDINIA, J.H. SKEVINGTON, S. KELSO and C. KEHLMAIER (2022). The first comprehensive, multigene molecular phylogeny for big-headed flies (Diptera: Pipunculidae). *Zoological Journal of the Linnean Society* **195**(4), 1200-1218):

VERRALLIA Mik, 1899 = JASSIDOPHAGA Aczél, 1939, new synonymy

Tribes of Pipunculinae were revised: Microcephalopsini (unchanged), Pipunculini (now including Cephalopsini), Tomosvaryellini (now including Eudorylini).

The following subgenera were raised to generic rank:

BECKERIAS Aczél, 1939, CEPHALOPS Fallén, 1810 (sensu stricto), PARABECKERIAS De Meyer, 1994, SEMICEPHALOPS De Meyer, 1994

The following new combinations were proposed:

*Clistoabdominalis fuscus* (Zetterstedt, 1844 – *Pipunculus*) (transferred from *Eudorylas*)

*Eudorylas ruralis* (Meigen, 1824 – *Pipunculus*) (returned from *Clistoabdominalis*)

**Lonchaeidae.** The following species is added in the present issue (p. 218):

*Lonchaea cryptica* MacGowan & Ruchin, 2022

**Lauxaniidae.** The following changes were proposed by M. SEMELBAUER (2016. Molecular phylogeny of lauxaniid flies (Diptera, Cyclorrhapha) confirms non-monophyly of *Sapromyza* Fallén, 1810. *Insect Systematics & Evolution* **47**(4), 389-409):

HOMONEURA van der Wulp, 1891 = CNEMACANTHA Macquart, 1835, new synonymy

NANNOMYZA Frey, 1941 raised from subgenus for *N. basalis* (Zetterstedt, 1847 – *Sapromyza*)

PARALAUXANIA Hendel, 1908 raised from synonymy for *P. albiceps* (Fallén, 1820 – *Sapromyza*) (ex *Sapromyza*)

The following synonymy was proposed by M. SEMELBAUER and B. MANGOVA (2019. Genital morphology of the *Meiosimyza illota* Species Group (Diptera: Lauxaniidae) suggests that females are species-specific while males are highly variable. *Acta Zoologica Bulgarica* **71**(3), 335-348):

*Meiosimyza illota* (Loew, 1847 – *Sapromyza*) = *M. mihalyi* (Papp, 1978 – *Lyciella*)

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

*Agromyza polygona* Hering, 1941 (p. 176)

*Cerodontha (Dizygomyza) perryi* Warrington, 2024 (p. 157)

The following synonymy was proposed by O. LONSDALE (2017. The *Liriomyza* (Diptera: Schizophora: Agromyzidae) of Canada & Alaska. *Zootaxa* **4234**(1), 1-156):

GALIOMYZA Spencer, 1981 = LIRIOMYZA Mik, 1894 (two species now assigned to *Liriomyza*)

*Liriomyza morio* (Brischke, 1881 – *Agromyza*)

*Liriomyza violiphaga* Hendel, 1932

**Sphaeroceridae.** SPINOTARSELLA Richards, 1929 was restored as a subgenus of PSEUDOCOLLINELLA Duda, 1924 by L. PAPP (2016. An overview of the Old World species of *Pseudocollinella* Duda (Diptera: Sphaeroceridae) with description of a new subgenus. *Acta Zoologica Academiae Scientiarum Hungaricae* **62**(1), 1-58) to include *P. humida* and *P. jorlii*, with *P. septentrionalis* remaining in *Pseudocollinella* sensu stricto.

**Ephydriidae.** The following synonymy was proposed by J.-H. STUKE (2023. *Hydrellia* (Diptera: Ephydriidae) mining in *Stratiotes aloides*: a long history of confusion. *Zoosystematica Rossica* **32**(1), 99-111):

*Hydrellia tarsata* Haliday, 1839 = *H. stratiotae* Hering, 1925

**Scathophagidae.** The following synonymy and consequent priority was accepted by J. MORTELMANS (2016. Review of the genus *Norellisoma* Wahlgren, 1917 in Belgium (Diptera: Scathophagidae). *Bulletin de la Société Royale Belge d'Entomologie* **152**(1), 62-71), removing *N. flavicorne* from the synonymy of *N. lituratum* (Wiedemann in Meigen, 1826 – *Cordylura*):

*Norellisoma flavicorne* (Meigen, 1826 – *Cordylura*) = *N. opacum* (Loew, 1864 – *Cordylura*)

The following synonymy and new combination were proposed by A.L. OZEROV and M.G. KRIVOSHEINA (2023. Contribution to the fauna of dung-flies (Diptera: Scathophagidae) of Russia with a key to genera and a checklist of the Russian Scathophagidae. *Russian Entomological Journal* **32**(1), 95-122):

LEPTOPA Zetterstedt, 1838 = PARALLELOMMA Strobl, 1894

*Leptopa vittata* (Meigen, 1826 – *Cordylura*) = *paridis* (Hering, 1923 – *Parallelomma*)

The synonymy of *Parallelomma paridis* Hering, 1923 with *L. vittata* had been confirmed by A.L. OZEROV (2009. Flies of the genus *Parallelomma* Becker in Strobl, 1894 (Diptera, Scathophagidae) of Russia. *Russian Entomological Journal* **18**(4), 309-317), by examination of the male genitalia of the types of *P. paridis*.

The following synonymy and new combination were proposed by A.L. OZEROV (2019. A review of the genus *Trichopalpus* Rondani, 1856. *Russian Entomological Journal* **28**(4), 470-484):

TRICHOPALPUS Rondani, 1856 = CHAETOSA Coquillett, 1898

*Trichopalpus punctipes* (Meigen, 1826 – *Cordylura*)

A.L. OZEROV and M.G. KRIVOSHEINA (2011. To the knowledge of dung flies (Diptera, Scathophagidae) of Vietnam, with the description of a new species. *Far Eastern Entomologist* **228**, 1-10) proposed restoring the genus **SCATOMYZA** Fallén, 1810 for *Scathophaga scybalaria* (Linnaeus, 1758) and its allies [none British] on grounds of their possession of a postmetacoxal bridge and larviparous females:

*Scatomyza scybalaria* (Linnaeus, 1758 – *Musca*)

The same authors (2021. A review of the genus *Scathophaga* Meigen, 1803 (Diptera: Scathophagidae) of Russia. *Russian Entomological Journal* **30**(2), 201-246) treated CONISTERNUM as synonymous with *Scathophaga* in this sense, i.e. without *Scatomyza*:

*Scathophaga decipiens* Haliday in Curtis, 1832 (*Scatophaga*)

*Scathophaga obscura* (Fallén, 1819 – *Cordylura*)

*Scathophaga tinctinervis* (Becker, 1894 – *Coniosternum*)

**Anthomyiidae.** The following species is added in the present issue:

*Anthomyia quinque maculata* Macquart, 1839 (p. 154)

The following synonymy is suggested to be restored in the present issue (p. 185):

*Botanophila striolata* (Fallén, 1824) = *Botanophila discreta* (Meigen, 1826)

**Muscidae.** The following misidentifications are corrected in the present issue, resulting in deletion of *Coenosia pulicaria* (Zetterstedt, 1845) and *Lispocephala spuria* (Zetterstedt, 1838) from the list:

*Coenosia acuminata* Strobl, 1898 = *C. pulicaria*: authors, misident. (p. 129)

*Lispocephala vitripennis* Ringdahl, 1951 = *L. spuria*: authors, misident. (p. 127)

The following changes result from V. MICHELSEN and A.C. PONT (2024. Macaronesian Muscidae (Diptera). V. The genera *Phaonia* Robineau-Desvoidy and *Muscina* Robineau-Desvoidy. *Zootaxa* **5458**(4), 581-596):

*Phaonia tuguriorum* (Scopoli, 1763 – *Musca*) = *P. scutellata* (Zetterstedt, 1845 – *Anthomyza*)

*Phaonia signata* (Meigen, 1826 – *Anthomyia*) (sp. rev.) = *P. tuguriorum*: Pont 1986, misident.

## Changes to the Irish Diptera List (37) – Editor

This section appears, whenever necessary, to keep up to date the initial update of the Irish list in *Dipterists Digest* Vol. **10**, 135-146 and the latest checklist of Irish Diptera (Chandler, P.J., O'Connor, J.P. and Nash, R. 2008. *An annotated checklist of the Irish two-winged flies (Diptera)*. 261 pp. The Irish Biogeographical Society in association with The National Museum of Ireland). Species are listed under families. The gain of 62 species brings the total Irish list to 3543. The addition of 58 species by Chandler *et al.* in the present issue, pp 193-207, are not repeated here.

**Psychodidae:** *Pericoma calcilega* Feuerborn, 1923 (added by Good *et al.* 2021)

**Chironomidae:** *Corynoneura collaris* Makarchenko & Makarchenko, 2010 (added by Murray 2024)

**Platypezidae:** *Agathomyia cinerea* (Zetterstedt, 1852) (added by Mitchell 2023)

**Sarcophagidae:** *Metopia argyrocephala* (Meigen, 1824) (added by Beckett in the present issue, p. 212)

## References

- Good, J.A., Withers, P. and Gittings, T. 2021 Psychodidae (Diptera) as indicators of the effects of the lined Kildare bypass motorway on tufa spring habitat at Pollardstown Fen, Ireland. *Bulletin of the Irish Biogeographical Society* **45**, 77-96.
- Mitchell, R. 2023. *Agathomyia cinerea* (Zetterstedt, 1852) (Diptera: Platypezidae) new to Ireland. *Irish Naturalists' Journal* **40**, 141-142.
- Murray, D.A. 2024. *Corynoneura collaris* Makarchenko & Makarchenko, 2010 (Diptera, Chironomidae: Orthoclaadiinae) new for Ireland. *Bulletin of the Irish Biogeographical Society* **47**, 207-210.