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**Systema Diptero**

*The BioSystematic Database of World Diptera*



NOMENCLATURAL NOTES III

*NEAL L. EVENHUIS & THOMAS PAPE, EDITORS*



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## Two new species of Hilarini (Diptera: Empididae) from the Auckland Islands, New Zealand

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**Abstract.** Two species, *Hilara ranui* n. sp. and *Hilarempis motumaka* n. sp. (Diptera: Empididae: Empidinae) are described from the Auckland Islands, New Zealand.

### INTRODUCTION

Bickel (2023) described two new species in an electronic-only journal, but due to an oversight, the article was not registered in the Official Register of Zoological Nomenclature (ZooBank) and thus is not published for the purposes of zoological nomenclature. In order to make the names available, a succinct, Code-compliant extract from that article is published here. For further details on morphology and biology, see Bickel (2023).

### DEPOSITORIES OF MATERIAL

AMS: Australian Museum, Sydney, NSW, Australia (AMS).

BPBM: Bishop Museum, Honolulu, Hawai‘i, USA (BPBM).

CNC: Canadian National Collection, Agriculture Canada, Ottawa, Ontario, Canada.

NZAC: New Zealand Arthropod Collection, Auckland, New Zealand.

### *Hilara ranui* Bickel, new species

lsid:zoobank.org:act:239809DB-8C8D-4716-A95E-167FBA2A91D9

**Differential diagnosis.** This species is distinguished from all other New Zealand *Hilara* by the combination of unmodified male basitarsus I, hypopygium ovate and elongated, and partially translucent, hemi-campanuliform vein  $R_4$ , and grey pruinose mesonotum with darker grey pruinose bands between ac and dc bands.

**Etymology.** The specific epithet *ranui* is a geographical place name from indigenous Maori languages and should be treated as a noun in apposition.

**Type material.** NEW ZEALAND, AUCKLAND ISLANDS: Holotype ♂, AUCKLAND ISLAND, Ranui Cove, 2♂♂, Malaise trap, 3 Jan 1963, J. L. Gressitt (BPBM); paratypes 523 ♂♂, 401 ♀♀, same but various dates, 27 Dec 1962–18 Jan 1963 (BPBM; also AMS, NZAC, CNC).

**Additional material.** NEW ZEALAND, AUCKLAND ISLANDS: ADAMS ISLAND: Magnetic Cove, 2 m, 20 Jan 1966, 3 Feb 1966, J.L. Gressitt; west end of island, streamlet and seal wallows, 22 Jan 1966, K.A.J. Wise; AUCKLAND ISLAND: Crozier Point, 1–20 m, on *Poa* sp., 28 Dec 1962, J.L. Gressitt; Bivouac Mtn, 200–400 m, 18 Jan 1963, ex *Danthonia*, J.L. Gressitt; Webling Bay, 13 Jan 1963, J.L. Gressitt; ENDERBY ISLAND: 1–50 m, on mat plants above stream, 31 Dec 1963, J.L. Gressitt; OCEAN ISLAND: 1–18 m, 2 Jan 1963, sweep, J.L. Gressitt; ROSE ISLAND: 1–10 m, on *Carex* & *Polystichum* spp., 8 Jan 1963 (84♂♂, 38♀♀, BPBM).

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*Hilarempis motumaka* Bickel, new species

lsid:zoobank.org:act:87BEB3A2-1637-483B-A7DD-DD0AF42B5F73

**Differential diagnosis.** This species is distinguished from all other New Zealand *Hilarempis* by the combination of unmodified male basitarsus I, the rather compact hypopygium with the rather large and capitate cercus, and the highly setose head, coxa I and mesonotum.

**Etymology.** The specific epithet *motumaka* is the indigenous Maori name for the Auckland Islands and should be treated as a noun in apposition. Archaeological evidence suggests that voyagers first discovered the Auckland Islands leaving traces of settlement, possibly in the 13th century A.D. It is the southernmost known settlement by Polynesians.

**Type material.** NEW ZEALAND, AUCKLAND ISLANDS: Holotype ♂, ADAMS ISLAND: Magnetic Cove, 2 m, 3 Feb 1966, Malaise trap near shore, K.A.J. Wise; paratypes 10♂♂, 2♀♀, same as holotype; 1♂, West End, Fairchild's Garden, 21 Jan 1966, K.A.J. Wise (BPBM).

**Additional material.** NEW ZEALAND, AUCKLAND ISLANDS: 2♂♂, 3♀♀, AUCKLAND ISLAND: 3♂♂, Crozier Point, 1–20 m, on *Poa* sp., 28 Dec 1962, J.L. Gressitt; 2♂♂, 1♀, West Coast, below Stony Peak, 1–100 m, ex *Casinia* & *Danthonia* sp., 17 Jan 1963, J.L. Gressitt; 8♂♂, 2♀♀, Bivouac Mtn, 540 m, 14 Jan 1963, ex tussock, J.L. Gressitt; ENDERBY ISLAND: 11♂♂, 4♀♀, 1–50 m, on *Casinia*, 31 Dec 1963, K.A.J. Wise; EWIG ISLAND: 3♂♂, SE Coast, sweeping sedges, 4–5 Jan 1964, J.L. Gressitt; OCEAN ISLAND: 5♂♂, 2♀♀, 1–18 m, 29 Dec 1962, ex *Metrosideros*, J.L. Gressitt; ROSE ISLAND: 2♂♂, 1♀, 1–10 m, ex herb mat, 8 Jan 1963, J.L. Gressitt (BPBM; also AMS, NZAC, CNC).

#### REFERENCE

- Bickel, D.J. 2023. Hilarini (Diptera: Empididae) from the Auckland Islands New Zealand, the homoplastic loss of the male silk-producing basitarsus in two insular species, and notes on the Empidoidea of the Subantarctic Islands. *Diversity* **15**, 267: 1–11.  
<https://doi.org/10.3390/d15020267>

## First Reviser actions on Diptera genus-group names in Neave's *Nomenclator Zoologicus*

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**Abstract.** Neave's *Nomenclator Zoologicus* is found to select between multiple original spellings and as such contain potential First Reviser actions for genus-group names. Seventy-six cases of such potential First Reviser actions for Diptera genus-group names found in the series (published in nine volumes from 1939–1996) are listed, evaluated as valid or invalid, and the impact on the nomenclature of each name is discussed. Of the 76 cases of potential First Reviser actions by Neave, the following 27 spellings were found to have been selected by Neave in valid First Reviser action for each: *Achantipodus* Rondani, 1856 [Dolichopodidae]; *Alphoxycera* Pleske, 1925 [Stratiomyidae]; *Archaeboletina* Meunier, 1904 [Mycetophilidae]; *Arpagita* Lioy, 1864 [Conopidae]; *Chetoptilia* Rondani, 1862 [Tachinidae]; *Chlorosia* Rondani, 1861 [Stratiomyidae]; *Cryptochetum* Rondani, 1875 [Cryptochetidae]; *Dasyllina* Bromley, 1935 [Asilidae]; *Discocerina* Macquart, 1855 [Ephydriidae]; *Dithryca* Rondani, 1856 [Ephydriidae]; *Dolichocephala* Macquart, 1823 [Empididae]; *Entesia* Blackman, 1968 [Therevidae]; *Fairmairia* Robineau-Desvoidy, 1853 [Conopidae]; *Hinea* Adams, 1905 [Tabanidae]; *Homalomyia* Bouché, 1834 [Fanniidae]; *Idiohelina* Malloch, 1921 [Muscidae]; *Lathyromyza* Rübsaamen, 1915 [Cecidomyiidae]; *Microcheilosia* Macquart, 1855 [Tachinidae]; *Oedemagena* Latreille, 1818 [Oestridae]; *Olcanabates* Enderlein, 1911 [Chloropidae]; *Parahyphenidium* Shiraki, 1933 [Tephritidae]; *Plagiotormia* Ségué, 1926 [Tachinidae]; *Solieria* Robineau-Desvoidy, 1849 [Tachinidae]; *Sphyracera* Lioy, 1864 [Tachinidae]; *Spogostylum* Macquart, 1840 [Bombyliidae]; *Synseoda* Enderlein, 1937 [Psychodidae]; *Tachinoestrus* Portschinsky, 1887 [Tachinidae]; *Thelairochaetona* Townsend, 1919 [Tachinidae]. As a result of these above actions, and to maintain current usage, the following spellings are retained as correct original spellings by virtue of prevailing usage under ICZN Code Art. 33.2.1: *Dryodromia* Rondani, 1856 (instead of *Dryodromya*) [Empididae]; *Gonistylum* Macquart, 1851 (instead of *Gonystylum*) [Tachinidae].

### INTRODUCTION

Sheffield Airey Neave's *Nomenclator Zoologicus* (1939–1992) remains one of the major nomenclatural resources available to zoological researchers. Tapping heavily into the expertise of curators at the nearby British Museum (Natural History) and their library resources as well as an extensive network of international zoologists, Neave was able to compile an exhaustive list of generic names of animals that has stood the test of time. Over its life, the *Nomenclator* came to include a total of 343,143 records (Remsen *et al.* 2006). The first four volumes comprise the main corpus of names (published from 1939–1940; with 217,960 records); with supplementary volumes, corrigenda and addenda added in subsequent volumes. The first five volumes cover names from 1758–1945 (Neave, 1939a, 1939b, 1940a, 1940b, 1950); volume six covers names from 1946–1955 (Edwards & Hopwood 1966); volume seven covers names from 1956–1965 (Edwards & VEVERS 1975); volume eight covers names from 1966–1977 (Edwards & Tobias 1993); and volume nine

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covers names from 1978–1994 (Edwards *et al.* 1996). NB: Although later volumes were edited by others, the entire series has always been referred to as “Neave” or “the Neave”.

All but one (for *Entesia* Blackman, 1968) potential First Reviser (FR) actions for Diptera in this study appear in the first five volumes. This is no doubt because the procedure for listing multiple spellings and cross-referencing to one record that listed the multiple spelling(s) apparently (for the most part) ceased with the advent of new editors starting with volume VI (Edwards & Hopwood 1966), despite their preface stating that “It [= Vol. VI] has been prepared on the same lines as the earlier volumes ...”. A check of Diptera genus-group names with known multiple original spellings published after 1945 shows only one case (*Entesia*) with multiple spellings in volumes VI–IX spanning the years 1946–1994.

The main usages of the *Nomenclator* are (1) when wanting to propose a new generic name for a group of one or more animals, to quickly check whether the same name had been previously proposed, or (2) when finding a generic name in the literature and wanting more information such as author, year, publication, etc. To help with these and other queries, the *Nomenclator* gives publication, authorship, and dating information on all zoological genus-group names known to have been published, including multiple spellings appearing in the same work. As to the last feature, not well-known is that Neave, when listing such multiple spellings of names, does so in a way that selects one spelling to be the correct spelling and therefore provides potential First Reviser (FR) actions. Dubois (2009) gave details on the rationale behind including Neave’s actions as potential FR actions, which has been followed by others (e.g., Bouchard *et al.* 2021, Evenhuis 2022) and that rationale is followed here.

After having realized that Neave was a source of numerous potential FR actions, I decided to enumerate all such cases where multiple original spellings were selected for Diptera genus-group names in the volumes of the *Nomenclator* and evaluate their validity (e.g., some actions relate to unavailable names; other actions include a selection based on only two different spellings where more than two spellings existed; neither of these qualify as FR actions; and still other actions relate to multiple spellings that are not original spellings and therefore not eligible for FR action) as well as give remarks where such actions may have an impact on the genus-group name involved. Seventy-six cases of potential FR action in Neave for Diptera genus-group names have been identified in this study and are listed here. One FR action for Diptera in Neave was previously noted in Evenhuis (2022) and concerned a psychodid name with the spellings *Synseoda* and *Synseodais* (Enderlein 1937) and for which Neave (1950: 263) selected *Synseoda* as the correct original spelling. It and another 75 actions by Neave have been found in this study and are enumerated below. [For completeness, four genus-group names with multiple original spellings that are listed but not acted upon by Neave are also included.]

### **What constitutes a First Reviser action**

The ICZN *Code* Glossary defines a First Reviser as:

“The first author to subsequently cite names (including different original spellings of the same name) or nomenclatural acts published on the same date and to select one of them to have precedence over the other(s)” (ICZN 1999: 115).

There are two ways in which a FR action can take place with regard to selection of correct multiple original spellings. The first (ICZN *Code* Art. 24.2.3) states:

“If a name is spelled more than one way in the original work, the first author to have cited them together and to have selected one spelling as correct.”

This is the most common method used by First Revisers and usually involves selection of one from a set of two different original spellings. Neave’s method of listing an incorrectly spelled name with only the cross-reference “see [correct spelling]” (Fig. 1), i.e., pointing to the selected correct spelling (where the multiple spellings are listed along with author year and bibliographic information) qualifies as a FR action. Most FR actions are based upon only two different original spellings. However, if more than two different original spellings occur in the work, then the FR must cite all of them together and select one. To not do so makes the action invalid. Dubois (2009) gave one example of three different spellings listed in Neave for a nominal genus of birds (*Agaia*, *Ajaia*, *Ajaja*), where Neave (1939a: 99) selected one spelling (*Ajaia*). In Diptera generic names, only one instance of three different spellings of a nominal genus of flies was found to be listed in Neave (*Pantophtalmus*, *Pantophthalmus*, *Panophthalmus*, see Fig. 2) and Neave (1940a: 550) selected one (*Pantophtalmus*) from all of them (Fig. 2); otherwise, for all other cases of Diptera genus-group names in Neave, only two different original spellings were listed and one spelling selected from the two (Fig. 3). In cases when there were more than two different spellings in a work, the selections from only two of them by Neave do not fulfill the criteria for a FR action.

verm. (Oligoch.).  
**Archenomus** Howard 1898, Proc. ent. Soc. Washington, 4, 136.—Hym.  
**Archeobdella** (pro *Archeo*-Grimm 1876) Leiper 1909, Zoologist, (4) 13, 422.—Verm.  
 (Hirud.).  
**Archeoboletina** see *Archaeboletina*.  
**Archeocidaris** (pro *Archeo*-McCoy 1844) Agassiz 1872, Ill. Cat. Mus. Harvard, No.  
 7, 56.—Echin.  
**Archeocyathus** Billings 1861, Geol. Surv. Canada palaeoz. Foss., 1, 3.—*Archeo*-  
*cyathinae*.

**Figure 1.** Example in Neave (1939a: 278) of cross-reference from one spelling (*Archeoboletina*) to the correct original spelling (*Archaeboletina* Meunier, 1904).

**Pantopelta** Haeckel 1887, Rep. Voy. Challenger Exped., Zool., 18 (1), 855.—Prot.  
**Pantopholis** Davis 1887, Trans. R. Dublin Soc., (2) 3, 599.—Pisces.  
**Pantophos** Jordan & Hubbs 1925, Mem. Carnegie Mus., 10, 156.—Pisces.  
**Pantophtalmus** Thunberg 1819, Göteborg. VetenskSamm. nya Handl., 3, 7 (as  
*Pentophtalmus* p. 8, *Panophthalmus* expl. pl.).—Dipt.

**Figure 2.** Example in Neave (1940b: 550) showing the selection of one spelling from three spellings of *Pantophtalmus* Thunberg, 1819.

**Paraemigus** Bolivar 1914, Mem. Soc. españ. Hist. nat., 8, no. 5, 203.—Orth.  
**Paraepreocnemis** Brunner 1893, Ann. Mus. Stor. nat. Genova, 33, 151.—Orth.  
**Paraexorista** Brauer & Bergenstamm 1890 [sep. 1889], Denkschr. Akad. Wiss. Wien,  
 56 (1), 87, (as *Paraxorista* p. 161).—Dipt.  
**Parafabricia** Brauer & Bergenstamm 1895 [sep. 1894], Denkschr. Akad. Wiss. Wien,  
 61 (1), 612.—Dipt.  
**Parafairmairea** (pro *-ria* Cockerell 1899) Lindinger 1907, Ent. Wochenblatt, 24, 20.  
 —Hem.

**Figure 3.** Example in Neave (1940a: 568) of selection of one correct original spelling from two spellings of *Paraexorista* Brauer & Bergenstamm, 1889.

The second, a lesser-known method (ICZN *Code* Art. 24.2.4), states:

“When the authors, or one of joint authors, of two different original spellings of the same name subsequently uses one of them as valid in a work (including the author’s or publisher’s corrigenda) and neither had previously been selected as the correct spelling by a First Reviser, the author is deemed to be the First Reviser, whether or not the author cites both spellings (that used as valid becomes the correct original spelling).”

This latter method has not been used by many Diptera workers when determining a FR action and will sometimes reverse later actions that have been followed by workers and that may have selected another spelling as correct. A number of these cases of Art. 24.2.4 have been found in recent studies of Diptera genus-group names [e.g., O’Hara *et al.* (2011); Evenhuis & Pont (2013); Evenhuis (2015); Evenhuis *et al.* (2016); Evenhuis (2018); Evenhuis & Pape (2019)]; and a few more such instances are recorded here for the first time.

### FORMAT OF LISTINGS HERE

All instances found in the volumes of the *Nomenclator Zoologicus* where Neave selects between spellings considered to be multiple original spellings are listed below, alphabetically according to current usage of the nominal genus-group name, and organized within each record into the following fields:

**NEAVE SPELLINGS.** The names in this field are those different spellings for the same nominal genus dealt with by Neave. Most are multiple original spellings, but others are not and are indicated as such in each entry here. Names are listed alphabetically in their original orthography as they appear in their respective works with author(s), year, and the first page of appearance in the work [e.g., *Achanthipodus* (Rondani 1856: 201); *Achantipodus* (Rondani 1856: 144)]<sup>p</sup>. Where not all the different spellings of a genus-group name in a particular work were noticed and/or dealt with by Neave, all spellings are listed here and those not in Neave are annotated as such. Additionally, Neave sometimes made FR actions on what he considered different original spellings in a particular work, but where in fact there were works that made one of the names available at an earlier date; or the names were mistakenly thought to have been in one work, but were actually found to be published in two separate works. These spellings are listed in single quotes, e.g., ‘*Thricolyga*’. All these cases of errors or omissions by Neave are annotated under the relevant record.

**NEAVE ACTION.** This field gives the date and page on which Neave (or subsequent editors) made a selection between spellings and provides an assessment of the action. Each selection has been evaluated as to whether or not it fulfills the criteria for a FR action and if so whether or not it is valid (i.e., the earliest).

**CURRENT STATUS.** The current status of the correct original spelling of the name dealt with by Neave (or the current valid nominal genus if Neave had made an error in dealing with names) is listed here with a current authority source treating that status as such.

**REMARKS.** Annotations of the action in Neave or by others are listed here, as are any other details pertinent to the name, such as ICZN actions that may have been taken with regard to any of the multiple spellings.

**FAMILY.** The family to which the taxon of the current name belongs is listed here based on its listing in *Systema Dipteroorum* (Evenhuis & Pape 2023).

Abbreviations/shortened phrases used: *Code* = International Code of Zoological Nomenclature; FR = First Reviser; ICZN and I.C.Z.N. = International Commission on Zoological Nomenclature; Neave = any of the volumes of the *Nomenclator Zoologicus*.



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**LIST OF POTENTIAL FIRST REVISER ACTIONS FOR DIPTERA GENUS-GROUP NAMES IN NEAVE'S *NOMENCLATOR ZOOLOGICUS*****1. *Achantipodus* Rondani, 1856**

NEAVE SPELLINGS: *Achantipodus* (Rondani 1856: 144); *Achanthipodus* (Rondani 1856: 201).

NEAVE ACTION: Neave (1939a: 28) selected *Achantipodus* over *Achanthipodus* in a FR action.

CURRENT STATUS: Senior (but invalid) synonym of *Poecilobothrus* Mik, 1878 [*teste* Grichanov (2017: 35; as "*Achanthipodus*")].

REMARKS: Acting as FR, Negrobov (1991: 82) selected *Achanthipodus* over *Achantipodus*, but this action was later. Brooks (2005) declared *Achantipodus* Rondani, 1856 (as "*Achanthipodus*") as a *nomen oblitum* and *Poecilobothrus* Mik, 1878 as a *nomen protectum*.

FAMILY: DOLICHOPODIDAE.

**2. *Acreotrichus* Macquart, 1850**

NEAVE SPELLINGS: *Aceotichus* (Macquart 1850: 6) [not in Neave]; *Aceotrichus* (Macquart 1850: 47); *Acreotrichus* (Macquart 1850: 121); *Aceotricus* (Macquart 1850: 166) [not in Neave].

NEAVE ACTION: Neave (1939a: 40) selected *Acreotrichus* over *Aceotrichus*, but this does not qualify as a FR action as only a subset of the four different spellings were decided upon.

CURRENT STATUS: Valid nominal genus [*teste* Evenhuis & Greathead (1999: 21)].

REMARKS: Evenhuis (1989b: 365) selected *Acreotrichus* over *Aceotrichus*, but this does not qualify as a FR action as only a subset of the four different spellings were decided upon. Acting as FR, Evenhuis & Greathead (1999: 21) selected *Acreotrichus* over *Aceotichus*, *Aceotrichus* and *Aceotricus*.

FAMILY: BOMBYLIIDAE.

**3. *Agnotomyia* Williston, 1886**

NEAVE SPELLINGS: *Agnotomyia* (Williston 1886: 106); *Agnotemyia* (Williston 1886: 106).

NEAVE ACTION: Neave (1939a: 91) selected *Agnotomyia* over *Agnotemyia*, but this action is later than that by Williston (1895: 264).

CURRENT STATUS: Junior synonym of *Dialysis* Walker, 1850 [*teste* Woodley (2011: 472)].

REMARKS: Acting as FR according to ICZN *Code* Art. 24.2.4, Williston (1895: 264) selected *Agnotomyia* over *Agnotemyia*.

FAMILY: XYLOPHAGIDAE.

**4. *Alphoxycera* Pleske, 1925**

NEAVE SPELLINGS: *Alphoxycera* (Pleske 1925: 166, 178); *Alphaoxycera* (Pleske 1925: 188)

NEAVE ACTION: Neave (1939a: 127) selected *Alphoxycera* over *Alphaoxycera* in a FR action.

CURRENT STATUS: Junior synonym of *Oxycera* Meigen, 1803 [*teste* Woodley (2001: 245)].

REMARKS: Woodley (2001: 245) also selected *Alphoxycera*, but this action was later.  
FAMILY: STRATIOMYIDAE.

### 5. *Anabarhynchus* Macquart, 1848

NEAVE SPELLINGS: *Anabarynchus* (Macquart 1848: 191); *Anabarhinchus* (Macquart 1848: 192); *Anabarhynchus* (Macquart 1848: 231) [not in Neave].

NEAVE ACTION: Neave (1939a: 169) selected *Anabarynchus* over *Anabarhinchus*, but this does not qualify as a FR action as not all spellings were decided upon.

CURRENT STATUS: Valid nominal genus [*teste* Evenhuis *et al.* (2016: 28)].

REMARKS: Acting as FR, Irwin & Lyneborg (1989: 354–355) selected *Anabarhynchus* (p. 231) over all three different spellings.

FAMILY: THEREVIDAE.

### 6. *Archaeboletina* Meunier, 1904

NEAVE SPELLINGS: *Archaeboletina* (Meunier 1904: 147); *Archeoboletina* (Meunier 1904: 149).

NEAVE ACTION: Neave (1939a: 275) selected *Archaeboletina* over *Archeoboletina* in a FR action.

CURRENT STATUS: Valid nominal genus [*teste* Evenhuis (1994: 148)].

REMARKS: Evenhuis (1994: 148) also selected *Archaeboletina* over *Archeoboletina*, but this action was later.

FAMILY: MYCETOPHILIDAE.

### 7. *Arpagita* Lioy, 1864

NEAVE SPELLINGS: *Arpagita* (Lioy 1864: 1327); *Arpagina* (Lioy 1864: 1327).

NEAVE ACTION: Neave (1939a: 302) selected *Arpagita* over *Arpagina* in a FR action.

CURRENT STATUS: Junior synonym of *Myopa* Fabricius, 1775 [*teste* Stuke (2017: 147)].

FAMILY: CONOPIDAE.

### 8. *Botria* Rondani, 1856

NEAVE SPELLINGS: *Botria* (Rondani 1856: 68); *Bothria* (Rondani 1856: 203).

NEAVE ACTION: Neave (1939a: 459) selected *Botria* over *Bothria*, but this action is later than that by Rondani (1862: 10).

CURRENT STATUS: Valid nominal genus [*teste* O'Hara *et al.* (2020: 431)].

REMARKS: By using only the spelling *Botria* in a subsequent work, Rondani (1862: 10) acted as FR according to ICZN *Code* Art. 24.2.4.

FAMILY: TACHINIDAE.

### 9. *Cardiacera* Macquart, 1847

NEAVE SPELLINGS: *Cardiacera* (Macquart 1847: 108); *Cardiocera* (Macquart 1847: 108).

NEAVE ACTION: Neave (1939a: 582) selected *Cardiacera* over *Cardiocera*, but this action is later than that by Macquart (1851b: 362).

REMARKS: By using only the spelling *Cardiacera* in a subsequent work, Macquart (1851b: 362) acted as FR according to ICZN Code Art. 24.2.4. Verrall in Scudder (1882: 60) selected *Cardiocera*, but this was later.

CURRENT STATUS: Valid nominal genus *teste* Evenhuis *et al.* (2016: 40)].

FAMILY: PYRGOTIDAE.

#### 10. *Chaetochlorops Malloch, 1914*

NEAVE SPELLINGS: *Chactochlorops* (Malloch 1914: 116); ‘*Choetochlorops*’.

NEAVE ACTION: Neave (1939a: 654) selected *Chactochlorops* over *Choetochlorops*, but the spellings are not eligible for FR action.

CURRENT STATUS: Valid nominal genus [*teste* Nartshuk 2012: 11)].

REMARKS: The spelling “*Choetochlorops*” does not exist in Malloch (1914) (it appears first in Neave as an incorrect subsequent spelling), but the spellings *Chactochlorops* (p. 116) and *Chaetochlorops* (p., 120) do; thus Neave’s selection of *Chactochlorops* was invalid. Acting as FR, Sabrosky (1941: 751) considered *Chactochlorops* as a misspelling of *Chaetochlorops*. Edwards & Hopwood (1966: 322) noted the error by Neave (1939a: 654) and corrected “*Choetochlorops*” to *Chaetochlorops*.

FAMILY: CHLOROPIDAE.

#### 11. *Chariclea Robineau-Desvoidy, 1863*

NEAVE SPELLINGS: *Chariclea* (Robineau-Desvoidy 1863: 557; *Chariclaea* (Robineau-Desvoidy 1863: 558).

NEAVE ACTION: Neave (1939a: 672) selected *Chariclea* over *Chariclaea*, but this action is later than that by Verrall in Scudder (1882: 62).

CURRENT STATUS: Junior synonym of *Bothria* Rondani, 1856 [*teste* O’Hara *et al.* (2020: 431)].

REMARKS: Acting as FR, Verrall in Scudder (1882: 67) selected *Chariclea* over *Chariclaea*.

FAMILY: TACHINIDAE.

#### 12. *Chetoptilia Rondani, 1862*

NEAVE SPELLINGS: *Chetoptilia* (Rondani 1862: 166); *Chetoptylia* (Rondani 1862: 232).

NEAVE ACTION: Neave (1939a: 688) selected *Chetoptilia* over *Chetoptylia* in a FR action.

CURRENT STATUS: Valid nominal genus [*teste* O’Hara *et al.* (2020: 91)].

REMARKS: O’Hara *et al.* (2011: 55) also selected *Chetoptilia* over *Chetoptylia*, but this action was later.

FAMILY: TACHINIDAE.

#### 13. *Chlorosia Rondani, 1861*

NEAVE SPELLINGS: *Chlorosia* (Rondani 1861: 11); *Clorosia* (Rondani 1861: 164).

NEAVE ACTION: Neave (1939a: 709) selected *Chlorosia* over *Clorosia* in a FR action.

CURRENT STATUS: Unnecessary new replacement name for *Clorisoma* Rondani, 1856; junior synonym of *Microchrysa* Loew, 1855 [*teste* O’Hara *et al.* (2011: 57)].

REMARKS: The alternative original spelling *Clorosia* was missed by Woodley (2001, 2011) and O'Hara *et al.* (2011). A check in this study of subsequent usage by Rondani shows no use of either spelling in his subsequent works, so Art. 24.2.4 cannot be applied here.

FAMILY: STRATIOMYIDAE.

#### 14. *Chrysochlora Latreille, 1829*

NEAVE SPELLINGS: *Chrysochloran* (Berthold 1827: 503); *Chrysochlore* (Berthold 1827: 570).

NEAVE ACTION: Neave (1939a: 726) selected *Chrysochloran* over *Chrysochlore*, but the spellings are not eligible for a FR action.

CURRENT STATUS: Valid nominal genus [*teste* Woodley (2001: 174)].

REMARKS: The spelling *Chrysochlore*, found in the index (Berthold 1827: 570), was corrected to *Chrysochloran* in a corrigendum on p. 604, which would have nullified a subsequent FR action, but *Chrysochloran* Berthold, 1827 is a *nomen nudum* because no characters are given specifically for the taxon [the characters given by Berthold are for *Chrysochloran*, as well as for two nominal genera (*Sargus* and *Vappo*)]. Woodley (2001: 174) treated *Chrysochloran* Berthold, 1827 as a *nomen nudum* with *Chrysochlora* Latreille, 1829 as the earliest available name for the genus.

FAMILY: STRATIOMYIDAE.

#### 15. *Chyromantis Rondani, 1856*

NEAVE SPELLINGS: *Chyromantis* (Rondani 1856: 148); *Chiromantis* (Rondani 1856: 205).

NEAVE ACTION: Neave (1939a: 733) selected *Chyromantis* over *Chiromantis* (p. 205), but this action is later than that by Verrall *in* Scudder (1882: 70).

CURRENT STATUS: Junior synonym of *Chelipoda* Macquart, 1823 [*teste* O'Hara *et al.* (2011: 56)].

REMARKS: Acting as FR, Verrall *in* Scudder (1882: 70) selected *Chyromantis* over *Chiromantis*. Collin (1961: 687) selected *Chiromantis* over *Chyromantis*, but this action was later.

FAMILY: EMPIDIDAE.

#### 16. *Chrysopilus Macquart, 1826*

NEAVE SPELLINGS: '*Chrysopila*'; *Chrysopilus* (Macquart 1826: 403).

NEAVE ACTION: Neave (1939a: 729) selected *Chrysopila* over *Chrysopilus*, but the spellings are not eligible for FR action.

CURRENT STATUS: Valid nominal genus [*teste* Evenhuis *et al.* (2016: 45)].

REMARKS: Neave (1939a: 729) listed the spelling *Chrysopila* as occurring in Macquart (1826: 403), but this was in error. A check of Macquart (1826) during this study shows that neither the spelling *Chrysopila* nor any other variant spelling of *Chrysopilus* exists in Macquart (1826), so a FR action is not applicable.

FAMILY: RHAGIONIDAE.

**17. *Coiloprosopa* Macquart, 1850**

NEAVE SPELLINGS: *Coiloprosopa* (Macquart 1850: 449); *Coilometopa* (Macquart 1850: 471).

NEAVE ACTION: Neave (1939a: 794) selected *Coiloprosopa* over *Coilometopa*, but this action is later than that by Williston (1887: 285).

CURRENT STATUS: Valid nominal genus [*teste* Evenhuis *et al.* (2016: 47)].

REMARKS: Acting as FR Williston (1887: 285), selected *Coiloprosopa* over *Coilometopa*.

FAMILY: SYRPHIDAE.

**18. *Comptosia* Macquart, 1840**

NEAVE SPELLINGS: *Comptosia* (Macquart 1840: 80); *Camptosia* (Macquart 1840: pl. 14).

NEAVE ACTION: Neave (1939a: 812) selected *Comptosia* over *Camptosia*, but this action is later than that by Verrall *in* Scudder (1882: 58).

CURRENT STATUS: Valid nominal genus [*teste* Evenhuis *et al.* (2016: 48)].

REMARKS: Acting as FR, Verrall *in* Scudder (1882: 58) selected *Comptosia* over *Camptosia*. Evenhuis (1991: 29) also selected *Comptosia*, but this action was later.

FAMILY: BOMBYLIIDAE.

**19. *Cryptochetum* Rondani, 1875**

NEAVE SPELLINGS: *Cryptochetum* (Rondani 1875: 167); *Cryptochoetum* (Rondani 1875: 172).

NEAVE ACTION: Neave (1939a: 886) selected *Cryptochetum* over *Cryptochoetum* in a FR action.

CURRENT STATUS: Valid nominal genus [*teste* O'Hara *et al.* (2011: 65)].

REMARKS: Sabrosky (1999: 100) also selected *Cryptochetum*, but this action was later.

FAMILY: CRYPTOCHETIDAE.

**20. *Cyclorhynchus* Macquart, 1840**

NEAVE SPELLINGS: *Cyclorhynchus* (Macquart 1840: 114); *Cyclorynchus* (Macquart 1840: 123).

NEAVE ACTION: Neave (1939a: 921) selected *Cyclorhynchus* over *Cyclorynchus*, but this action is later than that by Macquart (1851b: 351).

CURRENT STATUS: Preoccupied by *Cyclorhynchus* Sundevall, 1835; senior (but invalid) synonym of *Tmemophlebia* Evenhuis, 1986 [*teste* Evenhuis & Greathead (1999:34)].

REMARKS: By using only the spelling *Cyclorhynchus* in a subsequent work, Macquart (1851b: 351) acted as FR according to ICZN Code Art. 24.2.4. Evenhuis (1986: 19) also selected *Cyclorhynchus*, but this action was later.

FAMILY: BOMBYLIIDAE.

**21. *Dasyllina* Bromley, 1935**

NEAVE SPELLINGS: *Dasyllina* (Bromley 1935: 412); *Dassyllina* (Bromley 1935: 412).

NEAVE ACTION: Neave (1939b: 18) selected *Dasyllina* over *Dassyllina* in a FR action.

CURRENT STATUS: Valid nominal genus [*teste* Geller-Grimm (2004: 492)].

REMARKS: Oldroyd (1980: 349) also selected *Dasyllina*, but this action was later.

FAMILY: ASILIDAE.

**22. *Dimorphophora* Walker, 1871**

NEAVE SPELLINGS: *Dimorphaphus* (Walker 1871a: 255); *Dimorphophora* (Walker 1871b: 272).

NEAVE ACTION: Neave (1939b: 92) selected *Dimorphophora* over *Dimorphaphus*, but the spellings are not eligible for a FR action.

CURRENT STATUS: Junior synonym of *Antonia* Loew 1856 [*teste* Evenhuis & Greathead (1999: 280)].

REMARKS: A FR action is inapplicable since the two spellings were in separate articles published on two different dates; and *Dimorphaphus* is a *nomen nudum* in Walker (1871a: 255).

FAMILY: BOMBYLIIDAE.

**23. *Discocerina* Macquart, 1835**

NEAVE SPELLINGS: *Discocerina* (Macquart 1835: 527); *Dioscocerina* (Macquart 1835: 528)

NEAVE ACTION: Neave (1939b: 120) selected *Discocerina* over *Dioscocerina* in a FR action.

CURRENT STATUS: Valid nominal genus [*teste* Evenhuis *et al.* (2016: 56)].

REMARKS: Evenhuis *et al.* (2016: 56) also selected *Discocerina*, but this action was later.

FAMILY: EPHYDRIDAE.

**24. *Dithryca* Rondani, 1856**

NEAVE SPELLINGS: *Dithryca* (Rondani 1856: 113); *Dithricha* (Rondani 1856: 208).

NEAVE ACTION: Neave (1939b: 130) selected *Dithryca* over *Dithricha*, in a FR action.

CURRENT STATUS: Valid nominal genus [*teste* O'Hara *et al.* (2011: 74; as "*Dithryca*")].

REMARKS: Sabrosky (1999: 115) selected *Dithryca* over *Dithricha*, but this action was later. In a subsequent work, Rondani (1871: 161) used only one spelling (*Ditricha*), but as this was not one of the two original spellings in Rondani (1856), it does not qualify as a FR action under ICZN Code Art. 24.2.4.

FAMILY: TEPHRITIDAE.

**25. *Dolichocephala* Macquart, 1823**

NEAVE SPELLINGS: *Dolichocephala* (Macquart 1823: 147); *Dolichocephalus* (Macquart 1823: 165).

NEAVE ACTION: Neave (1939b: 137) selected *Dolichocephala* over *Dolichocephalus* in a FR action.

CURRENT STATUS: Valid nominal genus [*teste* Evenhuis *et al.* (2016: 57)].

REMARKS: Evenhuis *et al.* (2016: 57) also selected *Dolichocephala*, but this action was later.

FAMILY: EMPIDIDAE.

#### 26. *Dolichomerus* Macquart, 1850

NEAVE SPELLINGS: *Dolichomerus* (Macquart 1850: 435); *Dolichoremus* (Macquart 1850: 436).

NEAVE ACTION: Neave (1939b: 138) selected *Dolichomerus* over *Dolichoremus*, but this action is later than that by Verrall *in* Scudder (1882: 113).

CURRENT STATUS: Valid nominal subgenus of *Phytomia* Guérin, 1833 [*teste* Evenhuis *et al.* (2016: 57)].

REMARKS: Acting as FR, Verrall *in* Scudder (1882: 113) selected *Dolichomerus* over *Dolichoremus*. Evenhuis *et al.* (2016: 57) also selected *Dolichomerus*, but this action was later.

FAMILY: SYRPHIDAE.

#### 27. *Dryodromia* Rondani, 1856

NEAVE SPELLINGS: *Dryodromya* (Rondani 1856: 150); *Driodromya* (Rondani 1856: 209).

NEAVE ACTION: Neave (1939b: 163) selected *Dryodromya* over *Driodromya*, but this action was nullified due to prevailing usage of an emendation of the nominal genus.

CURRENT STATUS: Valid nominal genus [*teste* O'Hara *et al.* (2011: 76)].

REMARKS: Both spellings are considered incorrect original spellings because of the emendation [*Dryodromia*; by Loew (1862: 31)], which is deemed to be a justified emendation by being in prevailing usage and attributed to the original author and date (see O'Hara *et al.* 2011: 76 for further details and selection of works using the spelling *Dryodromia*).

FAMILY: EMPIDIDAE.

#### 28. *Eggisoneura* Rondani, 1861

NEAVE SPELLINGS: '*Egginoneura*'; '*Eggisoneura*'.

NEAVE ACTION: Neave (1939b: 198) selected *Egginoneura* over *Eggisoneura*, but the spellings are not eligible for a FR action.

CURRENT STATUS: New replacement name for *Lucina* Meigen, 1830; junior synonym of *Salticella* Robineau-Desvoidy, 1830 [*teste* O'Hara *et al.* (2011: 78)].

REMARKS: The only spelling of this nominal genus in Rondani (1861) is *Eggisoneura* (on pp. 10 and 166). However, the 1914 facsimile edition of Rondani (1861) by Junk does have these two different spellings *Egginoneura* (Junk 1914: 10); *Eggisoneura* (Junk 1914: 166), and that may have been what had misled Neave and others into believing their existence in Rondani's original 1861 work.

FAMILY: SCIOMYZIDAE.

**29. *Entesia* Blackman, 1968**

NEAVE SPELLINGS: *Entesia* (Blackman 1968: 69 [May]); *Entesis* (Blackman 1968: 69 [May])

NEAVE ACTION: Edwards & Tobias (1993: 160) selected *Entesia* over *Entesis* in a FR action.

CURRENT STATUS: Valid nominal genus [*teste* Webb *et al.* (2013: 13)].

REMARKS: Authorship of these names has been given in the literature as either Oldroyd *in* Blackman (1968) or Oldroyd (1968). In studying some predators and parasites of scarab beetles in Argentina, Roger Blackman collected some therevids and sent them for identification to Harold Oldroyd, who sent back to Blackman the names for his published report (Blackman 1968 [May]), wherein he credited Oldroyd for this: "I am especially grateful to Mr. Oldroyd for naming the new Therevids so promptly". However, there is no indication that characters in the descriptions of the new nominal taxa in Blackman (1968) [May] were provided by Oldroyd. As such, the names must be attributed to Blackman alone. Oldroyd (1968: 377 [July]) subsequently described the therevid taxa as new (not knowing that Blackman's report with those same taxa named and described would antedate his description).

FAMILY: THEREVIDAE.

**30. *Eurimyia* Bigot, 1883**

NEAVE SPELLINGS: *Eurimyia* (Bigot 1883b: xx); *Eurhimyia* (Bigot 1883c: 226).

NEAVE ACTION: Neave (1939b: 178) selected *Eurimyia* over *Eurhimyia*, but the spellings are not eligible for FR action.

CURRENT STATUS: Junior synonym of *Helophilus* Meigen, 1822 [*teste* Evenhuis & Pont (2004: 27)].

REMARKS: The listing in Neave (1939b: 178) states: "***Eurimyia*** Bigot 1883, Ann. Soc. ent. France, (6) 3, Bull. xx (as *Eurhimyia* p. 226)" and could be construed as a FR action since the *Bulletin* portion of the journal may have been thought to have been published at the same time as the *Annals* article. This is not the case. The *Bulletin* for vol. (6) 3 with pp. i–xlviii came out on 8 August 1883, whereas the *Annals* for that volume with pp. 129–272 came out on 31 October 1883. But this information is irrelevant, because the nominal genus *Eurimyia* Bigot was made available earlier in the *Bulletin Bimensuel de Séances* of the society (Bigot 1883a: 21), which was published on 3 February 1883 (*teste* Evenhuis, 2002a: 19). Thus, *Eurhimyia* of Bigot (1883c) is an incorrect subsequent spelling and FR action is not applicable.

FAMILY: SYRPHIDAE.

**31. *Exodontha* Rondani, 1856**

NEAVE SPELLINGS: *Exodontha* (Rondani 1856: 169); '*Hexodonta*'.

NEAVE ACTION: Neave (1939b: 391) selected *Exodontha* over *Hexodonta*, but the spellings are not eligible for FR action.

CURRENT STATUS: Valid nominal genus [*teste* O'Hara *et al.* (2011: 85)].

REMARKS: The spelling *Hexodonta* does not appear in Rondani (1856), but instead the name was proposed as an emendation for *Exodontha* in Mik (1897: 40). Thus, FR action is not applicable.

FAMILY: STRATIOMYIDAE.



**32. Fairmairia Robineau-Desvoidy, 1853**

NEAVE SPELLINGS: *Fairmairia* (Robineau-Desvoidy 1853: 111); *Fairemairia* (Robineau-Desvoidy 1853: 111).

NEAVE ACTION: Neave (1939b: 395) selected *Fairmairia* over *Fairemairia* in a FR action.

CURRENT STATUS: Junior synonym of *Myopa* Fabricius, 1775 [*teste* Evenhuis *et al.* (2010: 79)].

REMARKS: Evenhuis *et al.* (2010: 79) also selected *Fairmairia*, but this action was later.

FAMILY: CONOPIDAE.

**33. Glaurotricha Thomson, 1869**

NEAVE SPELLINGS: *Glaurotricha* (Thomson 1869: 493); *Haurottricha* (Thomson 1869: 493).

NEAVE ACTION: Neave (1939b: 474) selected *Glaurotricha* over *Haurottricha*, but this action is later than that by Bigot (1883c: 250).

CURRENT STATUS: Junior synonym of *Copestylum* Macquart, 1846 [*teste* Thompson *et al.* (1976: 70)].

REMARKS: Acting as FR, Bigot (1883c: 250) selected *Glaurotricha* over *Haurottricha*.

FAMILY: SYRPHIDAE.

**34. Gonistylum Macquart, 1851**

SPELLINGS: *Gonistylum* (Macquart 1851a: 153); *Gonystylum* (Macquart 1851a: 153).

NEAVE ACTION: Neave (1939b: 506) selected *Gonystylum* over *Gonistylum* in a FR action, but this action is nullified due to prevailing usage of *Gonistylum*.

CURRENT STATUS: Valid nominal genus [*teste* O'Hara *et al.* (2020: 465)].

REMARKS: Guimarães (1971: 176) selected *Gonistylum*, but this action was later.

Although *Gonystylum* was selected by a FR action, the spelling *Gonistylum* is in **prevailing usage**. As such, via Art. 33.3.1, *Gonistylum* is maintained as the correct spelling for this nominal genus.

FAMILY: TACHINIDAE.

**35. Graphalostylum Macquart, 1851**

NEAVE SPELLINGS: *Graphalostylum* (Macquart, 1851a: 223); *Graphalostylum* (Macquart 1851a: 223; *Graphalostilum* Macquart 1851a: 285) [not in Neave].

NEAVE ACTION: Neave (1939b: 514) selected *Graphalostylum* over *Graphalostylum*, but this does not qualify as a FR action as not all spellings were decided upon.

CURRENT STATUS: Valid nominal subgenus of *Rutilia* Robineau-Desvoidy, 1830 [*teste* O'Hara *et al.* (2020: 112)].

REMARKS: Neave's (1939b) action is invalid because he decided upon only two of the three different spellings. Acting as FR, Evenhuis *et al.* (2016: 66) selected *Graphalostylum* over all three different spellings.

FAMILY: TACHINIDAE.

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**36. *Gymnojurinella* Vimmer & Soukup, 1940 and *Gimnojurinella* Vimmer & Soukup, 1940**

NEAVE SPELLINGS: *Gymnojurinella* (Vimmer & Soukup 1940: 210); *Gimnojurinella* (Vimmer & Soukup 1940: 223).

NEAVE ACTION: Neave (1950: 108) selected *Gymnojurinella* over *Gimnojurinella*, but as unavailable names they are not eligible for a FR action.

CURRENT STATUS: Unavailable names; genus-group names proposed after 1930 without a designation of a type species [*teste* O'Hara *et al.* (2020: 897)].

REMARKS: Both names are unavailable as they represent genus-group names proposed after 1930 without a type species designation, and as such they are not eligible for a FR action. The names have never been made available subsequently and were not treated in Evenhuis *et al.* (2008).

FAMILY: TACHINIDAE.

**37. *Hinea* Adams, 1905**

NEAVE SPELLINGS: *Hinea* (Adams 1905: 150); *Hinea* (Adams 1905: 150).

NEAVE ACTION: Neave (1939b: 659) selected *Hinea* over *Hinea* in a FR action.

STATUS: Preoccupied by *Hinea* Gray, 1847; senior (but invalid) synonym of *Jashinea* Oldroyd, 1970 [*teste* Chainey & Oldroyd (1980: 283)].

FAMILY: TABANIDAE.

**38. *Homalomyia* Bouché, 1834**

NEAVE SPELLINGS: *Homalomyia* (Bouché 1834: 90); *Homolamyia* (Bouché 1834: 89).

NEAVE ACTION: Neave (1939b: 681) selected *Homalomyia* over *Homolamyia* in a FR action.

CURRENT STATUS: Junior synonym of *Fannia* Robineau-Desvoidy, 1830 [*teste* O'Hara *et al.* (2011: 97)].

REMARKS: Pont (1989b: 700) also selected *Homalomyia*, but this action was later.

FAMILY: FANNIIDAE.

**39. *Idiohelina* Malloch, 1921**

NEAVE SPELLINGS: *Idiohelina* (Malloch 1921: 238); *Idiochelina* (Malloch 1921: 238).

NEAVE ACTION: Neave (1939b: 762) selected *Idiohelina* over *Idiochelina* in a FR action.

CURRENT STATUS: Valid nominal genus [*teste* Pont (1989a: 686)].

FAMILY: MUSCIDAE.

**40. *Lathryomyza* Rübsaamen, 1915**

NEAVE SPELLINGS: *Lathryomyza* (Rübsaamen 1915: 491); *Lathryomyza* (Rübsaamen 1915: 518).

NEAVE ACTION: Neave (1939b: 876) selected *Lathryomyza* over *Lathryomyza* in a FR action.

CURRENT STATUS: Valid nominal genus [*teste* Gagné & Jaschhof (2021: 404)].

REMARKS: Neave (1939b: 876) gave the date of publication for this Rübsaamen work as “[1916]” (implying a publication date later than the printed date) but I cannot find any evidence of a date of publication later than the “Dezember. 1915.” date printed on the issue and follow Gagné & Jaschhof (2021: 784) in dating this work as 1915.

FAMILY: CECIDOMYIIDAE.

**41. Leptoxyda Macquart, 1835**

NEAVE SPELLINGS: *Leptoxyda* (Macquart 1835: 452); *Leptoxida* (Macquart 1835: 684).

NEAVE ACTION: Neave (1939b: 922) selected *Leptoxyda* over *Leptoxida*, but this action is later than that by Macquart (1844: 290).

CURRENT STATUS: Valid nominal subgenus of *Dacus* Fabricius, 1805 [*teste* Evenhuis *et al.* (2016: 77)].

REMARKS: By using only the spelling *Leptoxyda* in a subsequent work, Macquart (1844: 290) acted as FR according to ICZN *Code Art.* 24.2.4. The spelling *Leptoxida* was treated as a misspelling by Agassiz (1846: 20) and was listed as such by Norrbom *et al.* (1999: 136).

FAMILY: TEPHRITIDAE.

**42. Logcocerius Rondani, 1863**

NEAVE SPELLINGS: *Logcocerius* (Rondani, 1863: 61); *Loncocerius*'.

NEAVE ACTION: Neave (1939b: 146) selected *Logcocerius* over *Loncocerius*, but the spellings are not eligible for a FR action.

CURRENT STATUS: Junior synonym of *Chalcochiton* Loew, 1844 [*teste* O'Hara *et al.* (2011: 107)].

REMARKS: A FR action is not applicable; the spelling *Loncocerius* is not found in Rondani (1863) but was instead proposed by Bezzi (1903: 182) as an unjustified emendation for *Logcocerius* Rondani, 1863 (O'Hara *et al.* 2011: 107).

FAMILY: BOMBYLIIDAE.

**43. Macherea Rondani, 1859**

NEAVE SPELLINGS: *Machaeraea* (Rondani 1859b: 159); *Macherea* (Rondani 1859b: 239).

NEAVE ACTION: Neave (1939b: 4) selected *Machaeraea* over *Macherea*, but this action is later than that by Rondani (1862: 10).

CURRENT STATUS: Junior synonym of *Compsilura* Bouché, 1834 [*teste* O'Hara *et al.* (2020: 214)].

REMARKS: By using only the spelling *Macherea* in a subsequent work, Rondani (1862: 10) acted as FR according to ICZN *Code Art.* 24.2.4.

FAMILY: TACHINIDAE.

**44. Macronychia Rondani, 1859**

NEAVE SPELLINGS: *Macronichia* Rondani, 1859b: 229); *Macronychia* (Rondani 1859b: 239).

NEAVE ACTION: Neave (1940a: 16) selected *Macronichia* over *Macronychia*, but this action is later than that by Rondani (1862: 10).

CURRENT STATUS: Valid nominal genus [*teste* O'Hara *et al.* (2011: 111)].

REMARKS: By using only the spelling *Macronychia* in a subsequent work, Rondani (1862: 10) acted as FR according to ICZN *Code Art.* 24.2.4. Pape (1996: 94) also selected *Macronychia*, but this action was later.

FAMILY: SARCOPHAGIDAE.

**45. Merapioidus Bigot, 1879**

NEAVE SPELLINGS: *Merapioidus* (Bigot 1879b: 1); *Meropiodus* (Anonymous 1880: 108)].

NEAVE ACTION: Neave (1940a: 104) selected *Merapioidus* over *Meropiodus*, but the spellings are not eligible for FR action.

CURRENT STATUS: Valid nominal genus [*teste* Evenhuis & Pont (2004: 38)].

REMARKS: As discussed in Evenhuis & Pont (2004: 38), these two spellings were in separate works [one in an article by Bigot (1879b), and the other in the index to the journal prepared by Anonymous (1880)] and were published on two different dates. Moreover, a FR action is not applicable since the nominal genus *Merapioidus* was made available earlier in Bigot (1879a: 64), thus the two spellings dealt with by Neave, having been published subsequently and not on the same date, are not eligible for a FR action.

FAMILY: SYRPHIDAE.

**46. Microchaetona Townsend, 1919**

NEAVE SPELLINGS: *Microchaetona* (Townsend 1919: 565); *Michrochaetona* (Townsend 1919: 565).

NEAVE ACTION: Neave (1940a: 151) selected *Microchaetona* over *Michrochaetona*, but this action is later than that by Townsend (1939: 120).

CURRENT STATUS: Junior synonym of *Phyllophilopsis* Townsend, 1915 [*teste* O'Hara *et al.* (2020: 271)].

REMARKS: By using only the spelling *Microchaetona* in a subsequent work, Townsend (1939: 120) acted as FR according to ICZN Code Art. 24.2.4.

FAMILY: TACHINIDAE.

**47. Microcheilosia Macquart, 1855**

NEAVE SPELLINGS: *Microcheilosia* (Macquart 1855: 183); *Microcheiolosia* (Macquart 1855: 184).

NEAVE ACTION: Neave (1940a: 151) selected *Microcheilosia* over *Microcheiolosia* in a FR action.

CURRENT STATUS: Treated as "Doubtful taxa in Tachinidae" [*teste* Evenhuis *et al.* (2016: 84)].

REMARKS: Evenhuis *et al.* (2016: 84) also selected *Microcheilosia*, but this action was later.

FAMILY: TACHINIDAE.

**48. Mythicomymia Coquillett, 1893**

NEAVE SPELLINGS: *Mythicomyia* (Coquillett 1893: 209); *Mythiocomymia* (Coquillett 1893: 209).

NEAVE ACTION: Neave (1940a: 254) selected *Mythicomyia* over *Mythiocomymia*, but this action is later than that by Coquillett (1895: 409).

CURRENT STATUS: Valid nominal genus [*teste* Evenhuis (2002b: 36)].

REMARKS: By using only the spelling *Mythicomyia* in a subsequent work, Coquillett (1895: 409) acted as FR according to ICZN Code Art. 24.2.4. Evenhuis (2002b: 36) also selected *Mythiocomymia*, but this action was later.

FAMILY: MYTHICOMYIIDAE.

**49. Oedemagena Latreille, 1818**

NEAVE SPELLINGS: *Oedemagena* (Latreille 1818: 272); *Oedemegena* (Latreille 1818: 272).

NEAVE ACTION: Neave (1940a: 391) selected *Oedemagena* over *Oedemegena* in a FR action.

CURRENT STATUS: Junior synonym of *Hypoderma* Latreille, 1818 [*teste* Nilssen & Anderson 1995: 1228].

FAMILY: OESTRIDAE.

**50. Olcanabates Enderlein, 1911**

NEAVE SPELLINGS: *Olcanabates* (Enderlein 1911: 189, 231); *Olcanabathes* (Enderlein 1911: 186).

NEAVE ACTION: Neave (1940a: 400) selected *Olcanabates* over *Olcanabathes* in a FR action.

CURRENT STATUS: Valid nominal genus [*teste* Riccardi (2016: 703)].

FAMILY: CHLOROPIDAE.

**51. Ozodiceromyia Bigot, 1890**

NEAVE SPELLINGS: *Ozodiceromyia* (Bigot 1890: 321); *Ozodiceromyia* (Bigot 1890: 323).

NEAVE ACTION: Neave (1940a: 503) selected *Ozodiceromyia* over *Ozodiceromyia*, but this action was later than that by Beddard (1890: 283).

CURRENT STATUS: Valid nominal genus [*teste* Evenhuis & Pont (2004: 44)].

REMARKS: Acting as FR, Beddard (1890: 283) selected *Ozodiceromyia* over *Ozodiceromyia* [on p. 283, the spelling *Ozodiceromyia* was listed suffixed with “[sic]” indicating an error; in the index to new generic names for the volume (p. 7) the spelling *Ozodiceromyia* is adopted]. In separate actions, Sabrosky (1978: 143) selected *Ozodiceromyia* and Irwin & Lyneborg (1981: 254) selected *Ozodiceromyia*; however, both are later actions.

FAMILY: THEREVIDAE.

**52. Pachylomera Rondani, 1856**

NEAVE SPELLINGS: *Pachilomera* (Rondani 1856: 122); *Pachylomera* (Rondani 1856: 218)

NEAVE ACTION: Neave (1940a: 504) selected *Pachilomera* over *Pachylomera*, but this action is later than that by Rondani (1876: 188).

CURRENT STATUS: Preoccupied by *Pachylomera* Griffith & Pigeon, 1831; senior (but invalid) synonym of *Psilosoma* Zetterstedt, 1860 [*teste* O’Hara *et al.* (2011: 137)].

REMARKS: By using only the spelling *Pachylomera* in a subsequent work, Rondani (1876: 188) acted as FR according to ICZN *Code Art.* 24.2.4.

FAMILY: PSILIDAE.

**53. Pantophthalmus Thunberg, 1819**

NEAVE SPELLINGS: *Pantophthalmus* (Thunberg 1819: vii); *Pantophthalmus* (Thunberg 1819: viii, pl. 2); *Panophthalmus* (Anonymous 1819: unpaginated “Förklaring öfver Tabellerne”).

NEAVE ACTION: Neave (1940a: 550) selected *Pantophthalmus* over *Pantophthalmus* and *Panophthalmus*, but this action is later than that by Thunberg (1823: xxx).

CURRENT STATUS: Valid nominal genus [*teste* Wolff *et al.* (2016: 307)].

REMARKS: By using only the spelling *Pantophthalmus* in a subsequent work, Thunberg (1823: xxx) acted as FR according to ICZN *Code* Art. 24.2.4. The spelling *Panophthalmus* in the plate listing (Anonymous 1819) is not part of Thunberg's article and is not considered here as an original spelling. Papavero (1967: 1) selected *Pantophthalmus* over *Pantophthalmus*, but this was later.

FAMILY: PANTOPHTHALMIDAE.

#### 54. *Parerynnia* Brauer & Bergenstamm, 1889

NEAVE SPELLINGS: *Paraerynnia* (Brauer & Bergenstamm 1889: 91); *Parerynnia* (Brauer & Bergenstamm 1889: 161).

NEAVE ACTION: Neave (1940a: 568) selected *Paraerynnia* over *Parerynnia*, but this action was not needed.

CURRENT STATUS: Junior synonym of *Cestonia* Rondani, 1861 [*teste* O'Hara *et al.* (2020: 313)].

REMARKS: Brauer & Bergenstamm (1889: 161) corrected the spelling from *Paraerynnia* to *Parerynnia*, thus no FR action is needed. Herting (1984: 61) noted this and selected *Parerynnia* as the correct original spelling by stating that *Parerynnia* was a "correction" for *Paraerynnia*, but this action was later.

FAMILY: TACHINIDAE.

#### 55. *Parexorista* Brauer & Bergenstamm, 1889

NEAVE SPELLINGS: *Paraexorista* (Brauer & Bergenstamm 1889: 87); *Parexorista* (Brauer & Bergenstamm, 1889: 161).

NEAVE ACTION: Neave (1940a: 568) selected *Paraexorista* over *Parexorista*, but this action was not needed.

CURRENT STATUS: Junior synonym of *Carcelia* Robineau-Desvoidy, 1830 [*teste* O'Hara *et al.* (2020: 301)].

REMARKS: Brauer & Bergenstamm (1889: 161) corrected the spelling from *Paraexorista* to *Parexorista*, thus no FR action is needed. Herting (1984: 56) noted this and used *Parexorista* as the correct original spelling by stating that *Parexorista* was a "correction" for *Paraexorista*.

FAMILY: TACHINIDAE.

#### 56. *Parahyponidium* Shiraki, 1933

NEAVE SPELLINGS: *Parahyponidium* (Shiraki 1933: 203); *Parahyponidium* (Shiraki 1933: 124).

NEAVE ACTION: Neave (1940a: 572) selected *Parahyponidium* over *Parahyponidium* in a FR action.

CURRENT STATUS: Junior synonym of *Acidostigma* Hendel, 1927 [*teste* Norrbom *et al.* (1999: 68)].

REMARKS: Norrbom *et al.* (1999: 68) listed the spelling *Parahyponidium*, but not as an original spelling. Instead they attributed it to Foote (1984: 111) and labeled it as a "missp."

FAMILY: TEPHRITIDAE.

**57. Phrosinella Robineau-Desvoidy, 1863**

NEAVE SPELLINGS: *Phrosinella* Robineau-Desvoidy, 1863: 82 ); *Phrosina* (Robineau-Desvoidy, 1863: 101).

NEAVE ACTION: Neave (1940a: 733) selected *Phrosinella* over *Phrosina*, but this action is later than that by Allen (1926: 68).

CURRENT STATUS: Valid nominal genus [*teste* Johnston *et al.* (2020: 2)].

REMARKS: Allen (1926: 68) selected *Phrosinella* over *Phrosina* in a FR action. Townsend (1939: 136) also selected *Phrosinella*, but this action was later.

FAMILY: SARCOPHAGIDAE.

**58. Pioterpalpus Rondani, 1856**

NEAVE SPELLINGS: *Pioterpalpus* (Rondani, 1856: 196); *Piothepalpus* (Rondani 1856: 209).

NEAVE ACTION: Neave (1940a: 766) selected *Pioterpalpus* over *Piothepalpus*, but this action is later than that by Verrall in Scudder (1882: 264).

CURRENT STATUS: Valid nominal genus [*teste* O'Hara *et al.* (2011: 146)].

REMARKS: Acting as FR, Verrall in Scudder (1882: 264) selected *Pioterpalpus* over *Piothepalpus*. O'Hara *et al.* (2011: 146) also selected *Pioterpalpus*, but this action was later. Neave (1940a: 766) gave the year of publication incorrectly as "1858".

FAMILY: MYCETOPHILIDAE.

**59. Plagiocephalus Wiedemann, 1830**

NEAVE SPELLINGS: *Plagiocephalus* (Gray in Griffith & Pidgeon 1832: 792); *Phagiocephalus* (Gray in Griffith & Pidgeon 1832: 774).

NEAVE ACTION: Neave (1940a: 777) selected *Plagiocephalus* over *Phagiocephalus*, but the spellings are not eligible for FR action.

CURRENT STATUS: Valid nominal genus [*teste* Vasconcelos *et al.* (2019: 81)]

REMARKS: A FR action is not applicable since this was not a proposal of a new genus-group name but instead a subsequent usage of *Plagiocephalus* Wiedemann, 1830.

FAMILY: ULIDIIDAE.

**60. Plagiotormia Séguy, 1926**

NEAVE SPELLINGS: *Plagiotormia* (Séguy 1926: 19); *Plagiatormia* (Séguy 1926: 19).

NEAVE ACTION: Neave (1940a: 752) selected *Plagiotormia* over *Plagiatormia* in a FR action.

CURRENT STATUS: Junior synonym of *Ormiophasia* Townsend, 1919 [*teste* O'Hara *et al.* (2020: 747)].

REMARKS: Guimarães (1971: 22) selected *Plagiatormia* over *Plagiotormia*, but this action was later.

FAMILY: TACHINIDAE.

**61. *Prothechus Rondani, 1856***

NEAVE SPELLINGS: *Prothechus* (Rondani 1856: 139); *Prothecus* (Rondani 1856: 220).

NEAVE ACTION: Neave (1940a: 936) selected *Prothechus* over *Prothecus*, but this action is later than that by Verrall *in* Scudder (1882: 280).

CURRENT STATUS: Suppressed by action of I.C.Z.N (1961: 230 [Opinion 597]); senior (but invalid) synonym of *Cephalosphaera* Enderlein, 1936 [*teste* O'Hara *et al.* (2011: 152)].

REMARKS: Acting as FR, Verrall *in* Scudder (1882: 280) selected *Prothechus* over *Prothecus*. O'Hara *et al.* (2011: 152) also selected *Prothechus*, but this action was later.

FAMILY: PIPUNCULIDAE.

**62. *Ptecticus Loew, 1855***

NEAVE SPELLINGS: *Ptecticus* (Loew 1855: 142); *Plecticus* (Loew 1855: 147).

NEAVE ACTION: Neave (1940a: 1020) selected *Ptecticus* over *Plecticus*, but this action is later than that by Loew (1857: 263).

CURRENT STATUS: Valid nominal genus [*teste* Woodley (2001: 208)].

REMARKS: By using only the spelling *Ptecticus* in a subsequent work, Loew (1857: 263) acted as FR according to ICZN *Code Art.* 24.2.4.

FAMILY: STRATIOMYIDAE.

**63. *Rhinomyodes Townsend, 1933***

NEAVE SPELLINGS: *Rhinomyodes* (Townsend 1933: 474); *Rhinomydes* (Townsend 1933: 474).

NEAVE ACTION: Neave (1940b: 755) selected *Rhinomyodes* over *Rhinomydes*, but this action is later than that by Townsend (1936: 201).

CURRENT STATUS: Valid nominal genus [*teste* O'Hara *et al.* 2020: 508)].

REMARKS: By using only the spelling *Rhinomyodes* in a subsequent work, Townsend (1936: 201) acted as First Reviser according to ICZN *Code Art.* 24.2.4.

FAMILY: TACHINIDAE

**64. *Scatopse Geoffroy, 1762***

NEAVE SPELLINGS: *Scatopse* (Geoffroy 1762: 450); *Scathopse* (Geoffroy 1762: 544).

NEAVE ACTION: Neave (1940b: 127) selected *Scatopse* over *Scathopse*, but this action is later than that by Verrall *in* Scudder (1882: 301) and was nullified by I.C.Z.N. (1957: 83 [Opinion 441]).

CURRENT STATUS: Valid nominal genus [*teste* Amorim (2009: 4)].

REMARKS: Acting as FR, Verrall *in* Scudder (1882: 301) selected *Scatopse* over *Scathopse*. Neave (1940b: 127) also selected *Scatopse* but both of these actions were subsequently nullified by action of the I.C.Z.N. (1957: 83 [Opinion 441]), wherein the spelling of the nominal genus was fixed as *Scatopse* and *Scathopse* was deemed to be an incorrect original spelling. It is most probable that neither Verrall's *in* Scudder (1882) nor Neave's (1940b) action was unknown to the applicants (Alan Stone, Curtis Sabrosky, Willis Wirth and Richard Foote) of the Case that led to Opinion 441 (I.C.Z.N 1957: 83). In their application (submitted to the Commission in 1952), they mention the two original spellings and ask the



Commission to prefer *Scatopse* over *Scathopse* because the former was in current and wider use and had page precedence. Had they known of Scudder's FR action, no action would have been necessary by the ICZN Commission in selecting one spelling over the other. Although the Verrall *in* Scudder (1882) FR action was earlier than the ICZN action, the ICZN ruling must stay in effect until an application is submitted and voted on to either accept or rescind it.

FAMILY: SCATOPSIDAE.

**65. *Scaptomyzella* Hendel, 1928**

NEAVE SPELLINGS: *Scaptomyzella* (Hendel, 1928a: 290); *Scaptomyzetta* (Hendel 1928a: 290).

NEAVE ACTION: Neave (1940b: 125) selected *Scaptomyzella* over *Scaptomyzetta*, but this action is later than that by Hendel (1928b: 109).

CURRENT STATUS: Junior synonym of *Scaptomyza* Fallén, 1823 [*teste* Brake & Bächli (2009: 228)].

REMARKS: By using only the spelling *Scaptomyzella* in a subsequent work, Hendel (1928b: 109) acted as FR according to ICZN *Code Art.* 24.2.4. Tsacas (1980: 684) and O'Grady *et al.* (2003: 2) also selected *Scaptomyzella*, but these actions were later.

FAMILY: DROSOPHILIDAE.

**66. *Senotainia* Macquart, 1846**

NEAVE SPELLINGS: *Senotainia* (Macquart 1846: 295); *Senotainia* (Macquart 1846: 295); *Senotaina* (Macquart 1846: 364) [not in Neave].

NEAVE ACTION: Neave (1940b: 174) selected *Senotainia* over *Senotainia*, but this action is later than that by Macquart (1851: 356).

CURRENT STATUS: Valid nominal genus [*teste* Pape (1996: 133)].

REMARKS: By using only the spelling *Senotainia* in a subsequent work, Macquart (1851: 356) acted as First Reviser according to ICZN *Code Art.* 24.2.4. Neave's (1940b: 174) action was later, but it also would not qualify as a FR action because it did not include the third spelling.

FAMILY: SARCOPHAGIDAE.

**67. *Solieria* Robineau-Desvoidy, 1849**

NEAVE SPELLINGS: *Solieria* (Robineau-Desvoidy 1849: 461); *Solieria* (Robineau-Desvoidy 1849: 464)

NEAVE ACTION: Neave (~~1939b~~: 221) selected *Solieria* over *Solieria* in a FR action.

CURRENT STATUS: Valid nominal genus [*teste* O'Hara *et al.* (2020: 696)].

REMARKS: Evenhuis *et al.* (2010: 150) also selected *Solieria*, but this action was later.

FAMILY: TACHINIDAE.

**68. *Sphyracera* Lioy, 1864**

NEAVE SPELLINGS: *Sphyracera* (Lioy 1864: 1336); *Sphyracera* (Lioy 1864: 1336).

NEAVE ACTION: Neave (~~1939b~~: 253) selected *Sphyracera* over *Sphyracera* in a FR action.

CURRENT STATUS: Junior synonym of *Peleteria* Robineau-Desvoidy, 1830 [*teste* O'Hara *et al.* (2020: 856)].

FAMILY: TACHINIDAE.

**69. *Spogostylum* Macquart, 1840**

NEAVE SPELLINGS: *Spogostylum* (Macquart 1840: 53); *Spogastylum* (Macquart 1840: plate 19).

NEAVE ACTION: Neave (1940b: 265) selected *Spogostylum* over *Spogastylum* in a FR action.

CURRENT STATUS: Valid nominal genus [*teste* Evenhuis & Greathead (1999: 322)].

REMARKS: Evenhuis (1991: 69) also selected *Spogostylum*, but this action was later.

FAMILY: BOMBYLIIDAE.

**70. *Synseoda* Enderlein, 1937**

NEAVE SPELLINGS: *Synseoda* (Enderlein 1937: 92) over *Synseodais* (Enderlein 1937: 92).

NEAVE ACTION: Neave (1950: 263) selected *Synseoda* over *Synseodais* in a FR action.

CURRENT STATUS: Valid nominal subgenus of *Clytocerus* Eaton, 1904 [*teste* Evenhuis (2022: 13)].

FAMILY: PSYCHODIDAE.

**71. *Tachinoestrus* Portschinsky, 1887**

NEAVE SPELLINGS: *Tachinoestrus* (Portschinsky 1887: 194); *Tachinaestrus* (Portschinsky 1887: 200, plate legend).

NEAVE ACTION: Neave (1940b: 383) selected *Tachinoestrus* over *Tachinaestrus* in a FR action.

CURRENT STATUS: Valid nominal genus [*teste* O'Hara *et al.* (2020: 754)].

FAMILY: TACHINIDAE.

**72. *Tachista* Loew, 1864**

NEAVE SPELLINGS: *Tachista* (Loew 1864b: 7); *Tachysta* (Loew 1864b: 19).

NEAVE ACTION: Neave (1940b: 383) selected *Tachista* over *Tachysta*, but the spellings are not eligible for a FR action.

CURRENT STATUS: Junior synonym of *Tachydromia* Meigen, 1803 [*teste* Yang *et al.* (2007: 435)].

REMARKS: Neave (1940b) does not qualify as FR as the spellings dealt with were in a publication subsequent to the work that made the name *Tachista* available (Loew 1864a: 121). Those spellings listed in Neave (1940b: 383) are a subsequent usage of a correct original spelling and an incorrect subsequent spelling (*Tachysta*), thus the spellings are not eligible for a FR action.

FAMILY: HYBOTIDAE.

**73. Tephromyiella Townsend, 1918**

NEAVE SPELLINGS: *Tephomyiella* (Townsend 1918: 164); *Tephromyiella* (Townsend 1918: 164).

NEAVE ACTION: Neave (1939b: 423) selected *Tephomyiella* over *Tephromyiella*, but this action is later than that by Townsend (1935: 198).

CURRENT STATUS: Junior synonym of *Blaesoxipha* Loew, 1861 [*teste* Evenhuis *et al.* (2015: 260)].

REMARKS: By using only the spelling *Tephromyiella* in a subsequent work, Townsend (1935: 198) acted as FR according to ICZN *Code Art.* 24.2.4.

FAMILY: SARCOPHAGIDAE.

**74. Thelairochaetona Townsend, 1919**

NEAVE SPELLINGS: *Thelairochaetona* (Townsend 1919: 559); *Thelairochaetoma* (Townsend 1919: 559).

NEAVE ACTION: Neave (1940b: 460 [6 November]) selected *Thelairochaetona* over *Thelairochaetoma* in a FR action.

CURRENT STATUS: Valid nominal genus [*teste* O'Hara *et al.* (2020: 278)].

REMARKS: By using only the spelling *Thelairochaetona* in a subsequent work, Townsend (1940: 109 [31 December+]) fulfills requirements for FR according to ICZN *Code Art.* 24.2.4; but dating research on the two works found this to be a later action. Neave (1940b: 460) indicated the page number for each name incorrectly as "599".

FAMILY: TACHINIDAE.

**75. Thripomorpha Enderlein, 1905**

NEAVE SPELLINGS: *Thripomorpha* (Enderlein 1905: 448); *Tripomorpha* (Enderlein 1905: plate legend).

NEAVE ACTION: Neave (1940b: 480) selected *Thripomorpha* over *Tripomorpha*, but this action is later than that by Enderlein (1912: 264, 282).

CURRENT STATUS: Valid nominal genus [*teste* Krivosheina & Haenni (1986: 303)].

REMARKS: By using only the spelling *Thripomorpha* in a subsequent work, Enderlein (1912: 264, 282) acted as FR according to ICZN *Code Art.* 24.2.4.

FAMILY: SCATOPSIDAE.

**76. Tricoliga Rondani, 1856**

NEAVE SPELLINGS: '*Thricolyga*'; '*Tricolylga*'.

NEAVE ACTION: Neave (1940b: 480) selected *Thricolyga* over *Tricolylga*, but the spellings are not eligible for FR action.

CURRENT STATUS: Valid nominal subgenus of *Exorista* Meigen, 1803 [*teste* O'Hara *et al.* (2020: 401)].

REMARKS: By using only the spelling *Tricoliga* in a subsequent work, Rondani (1862: 10) acted as FR according to ICZN *Code Art.* 24.2.4. The action by Neave (1940b: 480) is invalid as neither of the two spellings he acted upon exist in Rondani (1856). The two original spellings in Rondani (1856) were *Thrycolylga* (p. 68) and *Tricoliga* (p. 225).

FAMILY: TACHINIDAE.

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**OTHER DIPTERA NAMES IN NEAVE WITH  
MULTIPLE ORIGINAL SPELLINGS**

The following genus-group names have multiple original spellings and these multiple spellings were listed by Neave but not acted upon.

**Hybobata Enderlein, 1922**

NEAVE SPELLINGS: *Hybobata* (Enderlein 1922: 165); *Hybobobata* (Enderlein 1922: 196).

NEAVE ACTION: Neave (1939b) listed both spellings (*Hybobata*, p. 707; *Hybobobata*, p. 727) but mistakenly attributed one of them (*Hybobata*) to Frey (1929: 316) as a misspelling of *Hybobobata*.

CURRENT STATUS: Junior synonym of *Mimegralla* Rondani, 1850 [*teste* Steyskal 1980: 580].

REMARKS: By using only the spelling *Hybobata* in a subsequent work, Enderlein (1923: 541) acted as FR according to ICZN Code Art. 24.2.4. Steyskal (1980: 580) also selected *Hybobata*, but this action was later.

FAMILY: MICROPEZIDAE.

**Oedipsilopus Bigot, 1859**

NEAVE SPELLINGS: *Aedipsilopus* (Bigot 1859a: 215); *Oedipsilopus* (Bigot 1859a: 224).

NEAVE ACTION: Neave (1940a: 393) listed *Oedipsilopus* with only the cross-reference “see *Aedipsilopus*”. *Aedipsilopus* is listed in Neave (1939a: 67), but without indication of multiple spellings. As such, Neave did not explicitly make a FR action on these two names. In any case, the spelling of the name was resolved earlier by Bigot (1860: 679) when, by using only the spelling *Oedipsilopus* in a subsequent work, he acted as FR according to ICZN Code Art. 24.2.4.

CURRENT STATUS: Junior synonym of *Condylostylus* Bigot, 1859 [*teste* Evenhuis & Pont (2004: 42)].

FAMILY: DOLICHOPODIDAE.

**Ozodostylus Bigot, 1859**

NEAVE SPELLINGS: *Osodostylus* (Bigot 1859: 215); *Ozodostylus* (Bigot 1859: 225).

NEAVE ACTION: Neave (1940a: 481, 503) listed both names but gave no indication they were multiple original spellings and took no FR action.

CURRENT STATUS: Junior synonym of *Nodicornis* Rondani, 1843 [*teste* Evenhuis & Pont (2004: 44)].

REMARKS: Evenhuis & Pont (2004: 44) noted no previous FR action and selected *Ozodostylus* over *Osodostylus*.

FAMILY: DOLICHOPODIDAE.

**Variptera Bigot, 1854**

NEAVE SPELLINGS: *Variiegata* (Bigot 1854: 456); *Variptera* (Bigot 1854: 471).

NEAVE ACTION: Neave (1940a: 629) listed both names but gave no indication they were multiple original spellings and took no FR action.

CURRENT STATUS: Junior synonym of *Gynoplistia* Westwood, 1835 [*teste* Evenhuis & Pont (2004: 80).

REMARKS: Evenhuis & Pont (2004: 60) noted the two spellings and that Bigot (1855: lxxvi) had selected *Variptera* over *Variiegata*. Verrall *in* Scudder (1882: 350) also selected *Variptera*, but this action was later.

FAMILY: LIMONIIDAE.

#### LIST OF NOMINAL GENERA BY FAMILY

ASILIDAE: *Dasyllina*.

BOMBYLIIDAE: *Acreotrichus*; *Comptosia*; *Cyclorhynchus*; *Dimorphophora*; *Logcocerius*; *Spogostylum*.

CECIDOMYIIDAE: *Lathyromyza*.

CHLOROPIDAE: *Chaetochlorops*; *Olcanabates*.

CONOPIDAE: *Arpagita*; *Fairmairia*.

CRYPTOCHETIDAE: *Cryptochetum*.

DOLICHOPODIDAE: *Achantipodus*.

DROSOPHILIDAE: *Scaptomyzella*.

EMPIDIDAE: *Chyromantis*; *Dolichocephala*; *Dryodromia*.

EPHYDRIDAE: *Discocerina*.

FANNIIDAE: *Homalomyia*.

HYBOTIDAE: *Tachista*

MUSCIDAE: *Idiohelina*.

MYCETOPHILIDAE: *Archaeboletina*; *Piotepalpus*.

MYTHICOMYIIDAE: *Mythicomyia*.

OESTRIDAE: *Oedemagena*.

PANTOPHTHALMIDAE: *Pantopthalmus*.

PIPUNCULIDAE: *Prothechus*.

PSILIDAE: *Pachylomera*.

PSYCHODIDAE: *Synseoda*.

PYRGOTIDAE: *Cardiacera*.

RHAGIONIDAE: *Chrysopilus*.

SARCOPHAGIDAE: *Macronychia*; *Phrosinella*; *Senotainia*; *Tephromyiella*

SCATOPSIDAE: *Scatopse*; *Thripomorpha*.

SCIOMYZIDAE: *Eggisoneura*.

STRATIOMYIDAE: *Alphoxycera*; *Chlorosia*; *Chrysochlora*; *Exodontha*; *Ptecticus*.

SYRPHIDAE: *Coiloprosopa*; *Dolichomerus*; *Eurimyia*; *Glaurotricha*; *Merapioidus*.

TABANIDAE: *Hinea*.

TACHINIDAE: *Botria*; *Chariclea*; *Chetoptilia*; *Gonistylum*; *Graphalostylum*; *Gymnojurinella*; *Gimnojurinella*; *Macherea*; *Microchaetona*; *Microcheilosia*; *Parerynnia*; *Parexorista*; *Plagiotormia*; *Rhinomyodes*; *Solieria*; *Sphyricea*; *Tachinoestrus*; *Thelairochaetona*; *Tricoliga*.

TEPHRITIDAE: *Dithrycha*; *Leptoxyda*; *Parahyphenidium*

THEREVIDAE: *Anabarhynchus*; *Entesia*; *Ozodiceromyia*.

ULIIDAE: *Plagiocephalus*.

XYLOPHAGIDAE: *Agnotomyia*.

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### REFERENCES

As accurate as possible dates of publication were searched for and are listed in square brackets after the citation in the format “[yyyy.mm.dd]”. If not annotated otherwise, they derive from the publication itself. Where no date other than the year could be found, the date is listed as “[yyyy.12.31++]” to distinguish from actual 31 December publication dates and December-only publication dates. In the same fashion, if no date other than the month could be found, it should be construed as being available on the last day of that month, e.g., for references known only to have been published in December: “[yyyy.12.31+]” until better evidence of publication issuance can be found. Works by the same author in the same year are listed chronologically.

- Adams, C.E.** 1905. Diptera Africana. I. *Kansas University Science Bulletin* **3**: 149–208. [1905.10.31+]
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## Will the real *Tinearia* please stand up? A history of errors and confusion in determining its type species (Diptera: Psychodidae)

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**Abstract.** The type species of *Tinearia*<sup>1</sup> Schellenberg, 1803 is clarified as being *Tipula hirta* Linnaeus, 1761, by subsequent designation of Enderlein in 1937, which results in *Tinearia* being deemed herein a **nomen dubium**. A brief summary of the checkered nomenclatural history of *Tinearia* is presented, with clarifications of authorship and status of the associated genera *Saccolpteryx* Haliday, 1839 and *Ulomyia* Haliday, 1856.

### INTRODUCTION

In 1803, Schellenberg and two anonymous authors<sup>2</sup> published the “*Genres des mouches diptères représentées en XLII planches projetées et dessinées par Mr. J.R. Schellenberg, et expliquées par deux amateurs de l’entomologie.*” As the title says, Schellenberg was responsible for the plates and two anonymous authors were responsible for the text.

One genus labeled on plate XL and depicting two different moth flies (Psychodidae) was *Tinearia*. The plate only has the generic name and no other name. That particular generic name does not occur in the text. It is one of a few named on a plate in this work that do not appear in the text. Its absence from the text has led some workers to believe there were no originally included species. In fact, two species were originally included without a type being designated, so that a subsequent designation would be needed for the nominal genus. This situation has been misinterpreted over the years leading to incorrect generic definitions. I here present the history of the name *Tinearia*, its originally included species, and the type species designated for it over the years; and clarify the true type species and resulting status of *Tinearia* and the dates, authorships and status of two other associated generic names (*Saccolpteryx* Haliday *in* Curtis, 1839 and *Ulomyia* Haliday *in* Walker, 1856) in nomenclature and taxonomy.

### BACKGROUND

#### Dramatis Personae

*Tinearia* Schellenberg, 1803

*Saccolpteryx* Haliday *in* Curtis, 1839

*Ulomyia* Haliday *in* Walker, 1856

Fairchild (1951)

Ježek (1977)

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1. Not to be confused with *Tinearia* Gravenhorst (1843), which the I.C.Z.N. 1957: 251 (Opinion 450) deemed a subsequent spelling of the family-group name Tineidae in Lepidoptera.

2. See Evenhuis (2014) for a detailed history of the authorship and publication of this work.

### Fairchild's faux pas

Fairchild (1951) gave some nomenclatural notes on various psychodid genera. One detailed discussion was on *Tinearia*. Fairchild had examined a copy of the 1803 work in which *Tinearia* was originally proposed and came to the conclusion that there were no originally included species. He then pointed to Coquillett (1910) as being the first to name an originally included species (*Psychoda alternata*) as the type species of *Tinearia*. Fairchild rejected Enderlein's (1937) designation of a type species basing his belief that it was not the same as the first included species by Coquillett (1910). Fairchild's interpretation was followed by Ježek (1977; plus subsequent articles) treating *Tinearia* as a valid genus with *Psychoda alternata* Say as its type. However, Fairchild made three mistakes:

- 1) He treated Schellenberg (1803) as two separate works: the plates by Schellenberg, and the text by the two anonymous authors. He determined this by noting that the plates were completed before the text by Schellenberg and assuming (incorrectly) that the publishers needed someone to do the text for those plates and found two anonymous authors to do this. Schellenberg labeled the two flies on plate 40 as *Tinearia* (Fig. 1); but the two anonymous authors made no mention of *Tinearia* in the text, thus the assumption by Fairchild that there were no originally included species. However, despite the two sets of authors and responsibilities, the title makes it clear that there is one single work, which is separated into plates and text – not two separate works. There are a number of cases within the work where names on the plate differ from what name they are described under in the text [see Evenhuis (2014) for a table of eight of these names]. In determining eligibility for type species, the ICZN *Code* (I.C.Z.N. 1999) states (Art. 67.2) that “A nominal species is only eligible to be fixed as the type species of a nominal genus or subgenus if it is an originally included nominal species”. The fact that plate 40 is labeled as *Tinearia* and that the textual legend on p. 23 for plate 40 (Fig. 2) lists two named species (*Tipula phalaenoides* and *T. hirta*) satisfies the ICZN *Code* in having two “originally included” species in *Tinearia*.
- 2) He presumed that Coquillett (1910) was the first to expressly include a species (*Psychoda alternata*) in *Tinearia*. In fact, two species were originally included in Schellenberg & Anonymii (1803) as explained above [and which Coquillett (1910) also mentioned (but he did not name them)]! However, even if the 1803 work is not considered as having “originally included” the two named species, there are a few works earlier than Coquillett (1910) that included species in *Tinearia*. The earliest after 1803 is Fabricius (1805) in which he listed under *Tipula phalaenoides* “*Tinearia*. Schellenberg. Dipt.”.
- 3) He rejected Enderlein's (1937) type species designation. Fairchild (1951) and subsequent workers who followed Fairchild's interpretation of things apparently failed to read Enderlein's complete account of *Tinearia* regarding the originally included species. Fairchild (1951) and those workers following him usually give the page of Enderlein's designation as p. 83 (Fig. 3) where *Tipula fuliginosa* (which was not an originally included species) is listed as type species. However, on p. 84 (Fig. 3), Enderlein explained that the two originally included species (*Tipula phalaenoides* and *T. hirta*) were switched on the plate; and that *T. hirta* is the same as *T. fuliginosa*. Thus, by placing the originally included species *T. hirta* in synonymy with *T. fuliginosa*, Enderlein validly designated a type species based on an originally included species.

*Tab. XXXVII. Fig. 1. TIPULALISTRIO. Fabr. Ent. syst. IV. p. 257.  
No. 17. (nicht 51.)*

- a.* dieselbe Art vergrößert.
- b.* der Kopf noch mehr vergrößert.
- c.* der Flügel vergrößert.
- d.* die Larve vergrößert, das Maafs der natürlichen Gröfse \*
- e.* die Puppe am Schwanz aufgehängt.
- f.* die Puppe, wie sie ihren Kopf erhebt, wenn sie der Entwicklung nahe ist.

Wir kennen die Naturgeschichte dieser Art genau, und werden dieselbe ein andermal nachtragen. Die Larve bewohnt das gelbe Veilchen (*viola biflora Linn.*)

*Fig. 2. TIPULA BARBIGORNIS. Fabr. Ent. syst. IV. p. 245. No. 57.*

- g.* dieselbe Art vergrößert.
- h.* das Fühlhorn vergrößert.
- i.* die Spitze des Hinterleibs vergrößert.

*Tab. XXXVIII. Fig. 1. TIPULA PICTA. Suppl. Ent. p. 550.*

- a.* der Kopf vergrößert.
- b.* der Flügel vergrößert.

*Fig. 2. TIPULA LITTORALIS. Fabr. Ent. syst. IV. p. 246. No. 62.*

- c.* dieselbe Art vergrößert.
  - d.* der Kopf des Männchens
  - e.* der Kopf des Weibchens
- } sehr vergrößert.

Die Fig. 3 dieser Tafel werden wir unten anführen.

*Tab. XL. Fig. 1. TIPULA PHALENOIDES. Fabr. Ent. syst. IV. p. 251. No. 85.*

- a.* dieselbe Art vergrößert.
- b.* das Fühlhorn sehr vergrößert.
- c.* die Spitze des Flügels sehr vergrößert.

*Fig. 2. TIPULA HIETA. Fabr. Ent. syst. IV. p. 251. No. 84.*

- d.* dieselbe Art vergrößert.

Die Fühlspitzen und das Aderngeflecht der Flügel zeigen bey dieser Gattung Verschiedenheiten, welche untersucht zu werden verdienen.

Fig. 1. Schellenberg (1803), plate 40.



Fig. 2. Schellenberg (1803), page 23.



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**What Really Happened**

In 1803, J.F. Schellenberg authored, along with two amateurs, a publication on the genera of Diptera. Schellenberg, an artist, had painted many plates for entomologists and authored some works that were based on his plates, sometimes collaborating with others for the textual portion of those works. The title of Schellenberg's 1803 work states that he was responsible for the plates, and two anonymous authors were responsible for the text. The actual production of the work [explained in Evenhuis (2014)] was conducted in two different countries due to the invasion of Switzerland by Napoleon at the end of the 18th century. One of the anonymous authors has been identified as J.P. de Clairville; he fled across the border to nearby southern Germany to avoid Napoleon's troops (it is assumed he was either French nobility or close relations with them). Clairville in Germany wrote the text while Schellenberg in Switzerland was completing the plates, but not having access to them, Clairville did not know how the plates were identified until he returned to Switzerland in 1803, and by then it was too late. Clairville did not agree with some of the generic names Schellenberg had given to the taxa depicted on the plates, but he could not change names on the plates, which were already engraved and completed. However, Clairville and the other author of the text did provide the figure legends, naming the species depicted on those plates.

With two included species and no type designation in Schellenberg & Anonymii (1803), a subsequent designation of type species of *Tinearia* would be needed from one of those two species. The earliest subsequent designation made from one of the two included species is found in Enderlein (1937: 84). There are other works prior to Enderlein (1937) that could be construed as subsequent type designations but are invalid, e.g., Macleay (1819: 379) stated the following "...*Psychoda phalaenoides*, forming the genus *Tinearia* of Schellenberg..." but it is not a valid type designation. Sabrosky (1999) explained that such a statement is not an explicit designation of a single species as type; and Coquillett (1910: 615) gave *Tipula alternata* as the type, but it is not of an originally included species.

**Status and authorship of the genera *Sacopteryx* and *Ulomyia***

The nominal genus *Sacopteryx* was proposed by Haliday in Curtis (1839: pl. 745), with its type species *Trichoptera fuliginosa* Meigen, 1804 by monotypy (as "*fuliginosa* Meig. v. 1. p. 107. 8."). The genus name is preoccupied by *Sacopteryx* Illiger, 1811, so the replacement name *Ulomyia* was proposed in Walker (1856: 261). Fairchild (1951: 14) said the authorship of *Ulomyia* was Haliday and not Walker. Haliday is indeed author of many new taxa in Walker's *Insecta Britannica* volumes, and Walker indicated in the work itself where Haliday was to be given authorship. A check of the 1856 work shows that Walker clearly gave Haliday authorship of the new taxa in the "Phlebotomidae" by the following statement (Walker 1856: 253): "I am indebted to Mr. Haliday for all the following characters of the genera and species of this Family [Phlebotomidae]." Thus, for the new nominal genus *Ulomyia*, Haliday is its author.

- downloaded www.zobodat.at
- Enderlein, Klassifikation der Psychodiden 83
- $r_{2+3}$  so lang oder kürzer als  $\frac{1}{3}$  von  $r_2$ ; wenn etwas länger, dann Flügel des ♂ mit Tasche oder Vorderrandseimbuchtung 4.
  - 4. Flügel des ♂ normal *Pericomina* nov. gen. (Typus: *P. opaca* (Tonn. 1922), Piemont).
  - Flügel des ♂ mit Tasche oder mit Vorderrandseimbuchtung oder mit beiden Sonderheiten . . . . . 5
  - 5. Flügel des ♂ mit taschenartiger Einsenkung in der Mitte der Basalhälfte . . . . . 4.
  - Flügel des ♂ ohne taschenartige Einsenkung. Vorderrand am Ende des 1. Drittels tief und breit eingebuchtet *Colpopteryx* nov. gen. (Typus: *C. undulata* (Tonn. 1919), Europa).
  - 6. Flügel des ♂ ohne Einbuchtung am Vorderrand. *Tinearia* Schellenb. 1803. (Typus: *T. fuliginosa* (Meig. 1804), Europa).
  - Flügel des ♂ mit tiefer und breiter Einbuchtung am Ende des ersten Drittels des Vorderrandes *Marsppia* nov. gen. (Typus: *M. plumata* (Tonn. 1920), Europa).
  - 7.  $r_3$  endet genau in der Flügelapizze . . . . . 8.
  - $r_3$  endet hinter der Flügelapizze . . . . . 10.
  - 8. Auch die Flügelmembran pubescent. Basis von  $r_3$  und  $m_3$  fehlt,  $r_2$  nur sehr kurz. *Trichopsychoda* Tonn. 1922. (Typus: *T. hirtella* (Tonn. 1919), Europa).
  - Nur Adern und Flügelrand pubescent . . . . . 9.
  - 9.  $r_{2+3}$  viel länger als  $r_2$  . . . . . *Sciria* Enderl. 1935. (Typus: *S. adona* (Eat. 1893), Europa).
  - $r_{2+3}$  viel kürzer als  $r_2$ . Flügelmembran mit schmalen Schuppen besetzt . . . . . *Clogmia* nov. gen. (Typus: *C. albipunctata* (Willist. 1893), (mediterran u. Tropenkosmopolit)).
  - 10.  $r_{2+3}$  etwa so lang wie  $r_2$  oder länger als die Hälfte von  $r_3$ . Flügelmembran an der Wurzel mit ± deutlichen Schuppen 11.
  - $r_{2+3}$  kürzer als die Hälfte von  $r_2$  . . . . . 12.
  - 11. Haarwirtel der Geißelglieder normal *Telmatoscopus* Eat. 1904. (Typus: *T. morala* (Eat. 1893), Europa).
  - Haarwirtel der Geißelglieder glockenförmig *Xenopsathes* Eat. 1904. (Typus: *X. fraudulenta* (Eat. 1904), Algier).
  - 12. Flügeladern pubescent.  $r_1$  endet ein wenig vor der Flügelapizze *Syntomoza* nov. gen. (Typus: *S. niceitarsis* nov. spec., Peru).
  - Adern der Basalhälfte des Flügels dicht mit schmalen am Ende ± abgerundeten Schuppen besetzt,  $r_1$  endet in die Flügelapizze *Lepidiella* nov. gen. (Typus: *L. lanuginosa* nov. spec., Peru).

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Deutsch. Ent. Zeitschr. 1936

- downloaded www.zobodat.at
- Marsppia* nov. gen.  
Typus: *M. plumata* (Tonn. 1920), Europa.
- Flügel des ♂ mit tiefer und breiter Einbuchtung am Ende des ersten Drittels des Vorderrandes; in der Mitte der Basalhälfte mit taschenartiger Einsenkung.  $r_{2+3}$  so lang oder kürzer als  $\frac{1}{3}$  von  $r_2$ .  $r_3$  endet hinter der Flügelapizze.  $r_{2+3}$ -Gabelpunkt über oder spitzwärts des  $m_{1+2}$ -Gabelpunktes.  $r_5$  faßt auf  $r_1$  in der Nähe von dessen Wurzel.
- Tinearia* Schellenb. 1803.
- Tinearia*, Schellenberg, Gattungen der Fliegen. Zürich. 1803. Tafel XL. Fig. 1, 1a, b, c.
- Ulongia*, Walker, Insecta Brit. III. 1856, pag. 261. Taf. 26, Fig. 3.
- Saccolpox*, Haliday in Curtis, Guide arrang. Brit. Ins. 1838, pag. 24 (nec Illiger 1811, Mammalia).
- Typus: *T. fuliginosa* (Meig. 1804), Europa.
- Flügel des ♂ in der Mitte der Basalhälfte mit taschenartiger Einsenkung, aber ohne die Einbuchtung des Vorderrandes. Sonst wie *Marsppia*. Die Basis von  $r_1$  und  $r_3$  wird in der Einsenkung dicht neben einander geführt und diese kann anscheinend dabei Ablenkung und Verschmelzung auslösen.
- Als Typus lege ich von den beiden Arten, die Schellenberg nennt, nämlich *Tipula phalaenoides* L. und *Tipula hirta* F. (= *fuliginosa*) letztere fest. Die Figurenbezeichnungen bei Schellenberg auf pag. 23 waren durch eine Verwechslung beider Namen vertauscht worden, so daß Fig. 1, 1a, b, c in Wirklichkeit letztere Species bezeichnen, Fig. 2, 2a erstere. Bei *Tipula hirta* ist dies eindeutig sicher zu erkennen. Der Gattungsname *Tinearia* findet sich nur am oberen Rande von Tafel XL.
- Colpopteryx* nov. gen.  
Typus: *C. undulata* (Tonn. 1919), Europa.
- Flügel des ♂ ohne taschenartige Einsenkung, aber mit einer tiefen und breiten Einbuchtung am Ende des 1. Drittels der Länge. Sonst wie *Marsppia*.  $r_{2+3}$  kann hier etwas länger auftreten, als  $\frac{1}{3}$  von  $r_2$ .
- Hier ist ferner einzuordnen: *C. incurva* (Feuerb. 1922), Europa.

Fig. 3. Enderlein (1937), page 83 and 84.

## RESULTS

Status of *Tinearia*

*Tinearia* Schellenberg, 1803: plate 40. Type species: *Tipula hirta* Linnaeus, 1761, by subsequent designation by Enderlein (1937: 84). *Nomen dubium*. [see under *Tipula hirta* below for explanation of the nomen dubium status].

The consequence of the revised identity of *Tinearia* here is that all nominal species attributed to it by those who believed its type to be *Psychoda alternata* Say have to now be placed under the next available name. However, there is no next available name as *Tinearia* has no synonyms and the generic circumscription of the taxa of "*Tinearia* sensu Fairchild" is equivocal [treated recently as a genus (Ježek *et al.* 2011) or as a subgenus of *Psychoda* (Gibernau & Albre 2022)], thus, no new genus is proposed for those species until their generic status within the *Psychoda*-complex of genera can be better ascertained. I here follow Gibernau & Albre's (2022) placement of *P. alternata* Say in *Psychoda* (but unplaced to subgenus) and transfer those listed by Ježek *et al.* (2011) to *Psychoda* (without subgeneric status), resulting in the following revived or new combinations:

- Psychoda acanthostyla* Tokunaga, 1957, **revived comb.**  
*Psychoda alia* Quate, 1962, **revived comb.**  
*Psychoda alternata* Say, 1825.  
*Psychoda alternicula* Quate, 1955, **revived comb.**  
*Psychoda boliviensis* Ježek, Le Pont, Martínez & Mollinedo, 2011, **n. comb.**  
*Psychoda capitipenis* Ibáñez-Bernal, 1992, **revived comb.**  
*Psychoda efflatouni* Tonnoir, 1922, **revived comb.**  
*Psychoda esfahanica* Ježek, 1990, **n. comb.**  
*Psychoda formosiensis* Tokunaga, 1957, **revived comb.**  
*Psychoda lativentris* Berdén, 1952, **revived comb.**  
 = *Psychoda quadesiana* Vaillant, 1963, **revived comb.**  
*Psychoda limicola* Vaillant, 1973, **revived comb.**  
*Psychoda platilobata* (Tokunaga, 1957, **revived comb.**  
*Psychoda pseudalternata* (Williams, 1943, **revived comb.**  
*Psychoda pseudoalternicula* Salamanna, 1975, **revived comb.**  
 = *Psychoda lebanica* Vaillant & Moubayed, 1987, **revived comb.**  
*Psychoda subquadrilobata* Tokunaga, 1957, **revived comb.**  
*Psychoda vagabunda* Quate, 1962, **revived comb.**

### Consequences of various type species designations

#### *Tipula phalaenoides* Linnaeus, 1758

This species is the type species of *Psychoda* Latreille, 1797 by subsequent monotypy in Latreille (1802: 424). It is also the type species of *Trichoptera* Meigen, 1803, by subsequent designation of Coquillett (1910: 616), thereby making *Trichoptera* a junior objective synonym of *Psychoda* Latreille, 1797.

#### *Trichoptera fuliginosa* Meigen

The type species of *Saccopteryx* Haliday in Curtis, 1839 and its replacement name *Ulomyia* Haliday in Walker, 1856. *Ulomyia* currently has 27 species allocated to it (Evenhuis & Pape 2023).

#### *Psychoda alternata* Say

Currently considered a species of *Psychoda* (cf. Evenhuis & Pape 2023). As the presumed type species of “*Tinearia* sensu Fairchild”, which has been followed by Ježek (1977) and others, the generic placement of this species (as a result of the clarification of *Tinearia* herein) needs to be ascertained in order to allow placement generically of those species previously described in or transferred to *Tinearia*.

#### *Tipula hirta* Linnaeus, 1761

The Linnaean type cannot be found (it is not in the Linnean Collection in London<sup>3</sup>; and not in other European museums checked) and the species is indeterminable (Kvifte 2013). Thus, with the type species indeterminable, the nominal genus *Tinearia* Schellenberg, 1803 is here deemed a *nomen dubium*.

3. A typed list of Diptera species in the Linnean Collection in London made by Mike Fitton in 1977 (photocopy held by me), shows *Tipula hirta* and a large number of other *Tipula* species to not be present in the Linnean Collection. For example, of the 17 *Tipula* species originally in old box no. 194, only one (*Tipula hortulana*) was found with 3 specimens. Kvifte’s (2013) inquiry corroborated its absence.

## ACKNOWLEDGMENTS

The late Chris Thompson alerted me more than 40 years ago to the mistakes in Fairchild (1951) concerning *Tinearia* being unknowingly perpetuated by Ježek and followers; and it is long overdue that this correction be published to clarify the status of *Tinearia* and associated taxa. A belated thanks to Chris for this. Thomas Pape kindly reviewed the manuscript and made a number of suggestions that helped improve it.

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