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# Catalogue of the Tachinidae of Egypt (Diptera: Oestroidea)

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## Abstract

Tachinid flies are an important group of parasitoids in their larval stage, and all their hosts are of the Arthropoda, almost exclusively other insects, including important insect pests in agriculture and forestry. All known Egyptian taxa of the family Tachinidae are systematically catalogued. Synonymies, type localities, type depositories, world distributions by biogeographic realm(s) and country, Egyptian localities, and dates of collection are provided. A total of 72 tachinid species belonging to 42 genera, 15 tribes, and 4 subfamilies has been treated.

**Keywords:** Tachinid flies, Egyptian taxa, World distribution, Egyptian localities, Dates of collection

## Background

Tachinidae are a large and cosmopolitan family of flies within the superfamily Oestroidea. It is the second largest family in the order Diptera (Irwin et al. 2003), with some 1500 recognized genera (O'Hara 2016) and more than 8500 described species (O'Hara 2013) worldwide. However, the estimated true diversity of the family is probably double the number of the currently known species, making this family a good candidate for the first largest family of Diptera (O'Hara, 2008 and 2013 and Pape et al. 2011).

Tachinid flies range in size from 2 to 20 mm, and most of them are larger than a house fly and noticeably more bristly, especially on thoracic dorsum and third to fifth abdominal segments; however, across the family there is a tremendous variety of shapes, colors, and degree of bristling. In addition to features shared with other families of the super family Oestroidea (Rhinophoridae, Sarcophagidae, Calliphoridae, and Oestridae), adult tachinids can be recognized by the developed postscutellum (a rounded bulge below the hind part of the thoracic dorsum) (O'Hara 2008). The family is divided into four subfamilies: Dexiinae, Exoristinae, Phasiinae, and Tachininae. All four subfamilies are represented in Egypt as shown in the present results.

Tachinid flies are nectar or honeydew feeders as adults and are effective pollinators (Tooker et al. 2006). However, they are an important group of parasitoids in their larval stage, and all their hosts are of the phylum Arthropoda, almost exclusively other insects, including insect pests in

agriculture and forestry. They typically parasitize phytophagous larvae of Lepidoptera and Coleoptera or nymphs of Hemiptera and Orthoptera. Consequently, tachinid flies have been successfully applied in programs of biological control against different insect pests (Stireman et al. 2006; O'Hara 2008 and Cerretti and Tschorsnig 2010).

No comprehensive taxonomic studies on the family Tachinidae have been carried out in Egypt before. Only one published study, Steyskal and El-Bialy (1967), listed the Egyptian species of dipterous families including Tachinidae based on literature and specimens deposited in the main Egyptian insect collections. However, despite its importance, the list included only the names of species within the family ordered alphabetically without referring to their suprageneric classification or to other important data such as original descriptions, type localities, synonymies, world distribution, type depositories, and local distribution. Another study, an unpublished Ph.D. thesis by Dr. Fathy Negm (Plant Protection Institute, Ministry of Agriculture) was completed in 1987 and reviewed the taxonomy of Egyptian Tachinidae. The author mainly adopted the classification of the Palaearctic catalogue of Herting (1984).

All missing data and deficiencies in previous Egyptian studies have been perfected with an updated taxonomy of the Egyptian Tachinidae in the present catalogue.

The present study is one in a series of planned studies on different Egyptian dipteran families aiming to catalogue the order Diptera as a whole in Egypt.

Egypt, as a part of the Great Desert Belt, is characterized by a warm and almost rainless climate (El-Hawagry 2017).

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Ecologists divide Egypt into eight ecological zones: Coastal Strip, Lower Nile Valley and Delta, Upper Nile Valley, Fayoum, Eastern Desert, Western Desert, Sinai, and Gebel Elba (Fig. 1). These zones have a greater affiliation to the Palaearctic Region except for the Gebel Elba, the southeastern triangle of Egypt, which has a greater affiliation to the Afrotropical Region (El-Hawagry and Gilbert 2014).

### Material and methods

The present catalogue is based mainly on specimens collected by the author and his co-workers from different Egyptian localities, in addition to data compiled from specimens preserved in the main Egyptian insect collections, especially EFC and PPDD. A great deal of information, including synonymies and distributional data is obtained from relevant literature and website databases as well. Of the most important literature reviewed are Kugler (1980a); Herting (1984); Cerretti and Freidberg 2009; O'Hara et al. (2009); O'Hara and Cerretti (2016); and Pape and Thompson (2017).

### Scope

This catalogue treats all names of taxa of the family Tachinidae recorded from Egypt.

### Arrangement of taxa

All taxa are arranged alphabetically. Old world synonyms, including all available and unavailable names, are chronologically listed.

### Typographical treatment of names

Family-group headings are centered and written in bold uppercase letters. Genus-group headings are left-justified

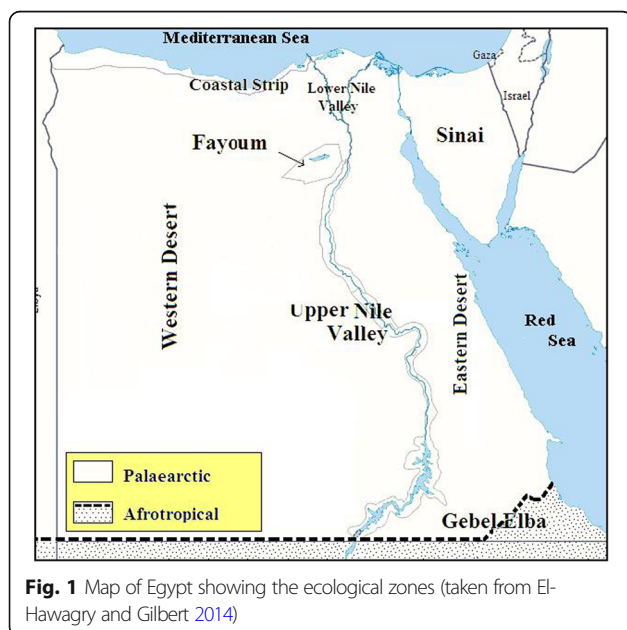
and written in bold uppercase letters. Species-group headings are left-justified and written in bold italicized lowercase letters except the first letter which is written uppercase. Authorship of genera, subgenera, and species are written in lowercase letters except the first letter which is written in uppercase. Taxonomically valid genus-group names (senior synonyms) are listed again in bold italicized lowercase letters (except the first uppercase letter) and left-justified under the headings followed by the reference including author, year, and journal pages. Taxonomically valid species-group names combined with their original genera (senior synonyms) are listed again in regular italicized lower case letters (except the first uppercase letter) and left-justified under the headings followed by the reference including author, year, and journal pages. Type species for all nomenclaturally available genus-group names are given after the reference line, followed by method of their fixation. For each genus and species-group name, associated synonyms are listed in a chronological order. They are written in regular italicized lowercase letters (except the first uppercase letter), followed by the reference and other data as in senior taxa. The rank of types that currently exist (e.g., syntype, holotype, lectotype) is given after the reference of each species-group taxon, followed by its location (depository) in museums, which is given as abbreviations in parenthesis. The type locality of each species-group taxon is given at the end after its type depository. Countries and islands of type localities are usually broken down to states, provinces, archipelagos, ecological zones, towns, and villages. These “sublocalities” are placed in parentheses after the main locality, e.g., “Egypt (Sinai)”. The sublocalities may be more broken down to “smaller sublocalities”. These “smaller sublocalities” are written after a colon following the sublocality, e.g., “Egypt (Sinai: Tor)”.

### Distribution

A complete world distribution by biogeographic realm(s) and country of each tachinid species, as is known from the literature, is listed in alphabetical order. Distribution localities preceded by a question mark (?) are considered questionable.

### Egyptian localities and dates of collection

The Egyptian localities from which each tachinid species is collected and dates of collection are given to map a picture for the distribution and activity periods of the species in the different ecological zones of Egypt. Localities within each ecological zone are arranged alphabetically and written after a colon following the ecological zone, e.g., “Coastal Strip: Mariout”. Spelling of locality names in Egypt almost follows El-Hawagry and Gilbert (2014) and El-Hawagry (2015 and 2017).



## The catalogue

This catalogue presents four tachinid subfamilies as represented in Egypt, and the number of taxa treated in the catalogue can be summarized in table.

Subfamily	Tribes	Genera	Species
Dexiinae	2	6	6
Exoristinae	5	21	37
Phasiinae	3	5	7
Tachininae	5	10	16
Doubtful taxa			6
Total number	15	42	72

### Subfamily DEXIINAE

#### Tribe DEXIINI

##### Genus *TRIXICEPS* Villeneuve

*Trixiceps* Villeneuve, 1936: 329. Type species: *Trixiceps aegyptiaca* Villeneuve, 1936, by monotypy.

*Trixiceps magnipalpis* (Bezzi, 1922)

*Paraprosena magnipalpis* Bezzi, 1922: 154. Type(s) not located. Libya (Benghazi).

*Trixiceps aegyptiaca* Villeneuve, 1936: 329. Egypt (Ikingi Mariout).

Distribution: PA: Egypt, Europe, Libya.

Egyptian localities: Coastal Strip: Mariout, Mersa Matruh.

Dates of collection: April to August.

#### Tribe VORIINI

##### Genus *HYPOVORIA* Villeneuve

*Hypovoria* Villeneuve, 1913a: 510 (as subgenus of *Voria* Robineau-Desvoidy 1830). Type species: *Voria (Hypovoria) hilaris* Villeneuve, 1913, by monotypy.

*Hypovoria hilaris* (Villeneuve, 1913)

*Voria (Hypovoria) hilaris* Villeneuve, 1913a: 510. Holotype female (CNC). Tunisia (Sfax).

Distribution: PA: Canary Is., C. Asia (Kyrgyzstan, Tajikistan, Turkmenistan, Uzbekistan), China, Egypt, S. Europe (Albania, Bosnia and Herzegovina, Bulgaria, Croatia, France, Greece, Italy, Malta, Monaco, Montenegro, Macedonia, San Marino, Serbia, Slovenia), W. Europe (Andorra, Portugal (including Azores, excluding Madeira), Spain), Israel, Mongolia, Russia (E. Siberia), Tunisia, Transcaucasia.

Egyptian localities: Coastal Strip: El-Marg, Mariout.

Dates of collection: February to July.

##### Genus *NANOPLAGIA* Villeneuve

*Nanoplagia* Villeneuve, 1929a: 45. Type species: *Plagia hilfii* Strobl, 1902, by original designation.

*Nanoplagia sinaica* (Villeneuve, 1909)

*Plagia hilfii sinaica* Villeneuve in Hermann and Villeneuve, 1909: 157. Holotype female (CNC). Egypt (Sinai).

Distribution: PA: Algeria, China, Egypt, S. Europe (Albania, Bosnia and Herzegovina, Bulgaria, Croatia, France, Greece, Italy, Malta, Monaco, Montenegro, Macedonia, San Marino, Serbia, Slovenia), Israel, Kazakhstan, Morocco, Russia (W. Russia, E. Siberia), Transcaucasia.

Egyptian localities: Sinai:?

Dates of collection: April.

##### Genus *PERISCEPSIA* Gistel

*Scopolia* Robineau-Desvoidy, 1830: 268 (junior homonym of *Scopolia* Hübner). Type species: *Musca carbonaria* Panzer, 1798, by subsequent designation of Zetterstedt, 1844: 1239).

*Periscepsia* Gistel, 1848: x (*nomen novum* for *Scopolia* Robineau-Desvoidy, 1830).

*Phoricheta* Rondani, 1861a: 8 (*nomen novum* for *Scopolia* Robineau-Desvoidy, 1830).

*Ramonda* Robineau-Desvoidy, 1863a: 790. Type species: *Ramonda fasciata* Robineau-Desvoidy, 1863 (= *Tachina spathulata* Fallén, 1820) by original designation.

Subgenus *PERISCEPSIA* Gistel —Nominotypical subgenus

*Periscepsia (Periscepsia) handlirschi* (Brauer and von Bergenstamm, 1891)

*Phorichaeta handlirschii* Brauer and Bergenstamm, 1891: 52. Unspecified type(s) (NHMW). Italy (Trentino: Trafoi).

Note: The specific epithet was spelled *handlirschii* in the original description but was subsequently changed to *handlirschi* (O'Hara 2009).

Distribution: PA: China, Egypt, Israel, Europe.

Egyptian localities: Coastal Strip: Burg El-Arab, Mariout.

Dates of collection: February to October.

##### Genus *UCLESIA* Girschner

*Uclesia* Girschner, 1901: 69. Type species: *Uclesia fumipennis* Girschner, 1901, by monotypy.

*Uclesia petiolata* (Villeneuve, 1929)

*Nanoplagia petiolata* Villeneuve, 1929a: 45. Holotype female (?EFC, not located). Egypt (Wadi Rishrash).

Distribution: PA: Algeria, Tunisia, Egypt, Russia, Tadjikistan.

Egyptian localities: Eastern Desert: Wadi Rishrash.

Dates of collection: March.

##### Genus *WAGNERIA* Robineau-Desvoidy

*Wagneria* Robineau-Desvoidy, 1830: 126. Type species: *Wagneria gagatea* Robineau-Desvoidy, 1830, by monotypy.

*Wagneria cunctans* (Meigen, 1824)

*Tachina cunctans* Meigen, 1824: 419. Holotype male (MNHN). Germany.

*Wagneria riedeli* Villeneuve, 1937: 405. Germany (Frankfurt).

Distribution: PA: Egypt, Europe, Israel.

Egyptian localities: Coastal Strip: El-Burg, Mariout, Nuzha. Eastern Desert: Suez Road. Lower Nile Valley and Delta: Dokki. Sinai: Ein Mouussa.

Dates of collection: January to July.

## Subfamily EXORISTINAE

### Tribe ERYCIINI

#### Genus AMELIBAEA Mesnil

*Amelibaea* Mesnil, 1955: 454 (as subgenus of *Phebellia* Robineau-Desvoidy, 1846). Type species: *Par-exorista tultschensis* Brauer and Bergenstamm, 1891, by monotypy.

#### *Amelibaea ?signifera* (Villeneuve, 1929)

*Exorista signifera* Villeneuve, 1929a: 44. Holotype male (?EFC, not located). Egypt (Mariout).

Remarks: The identity of this species is not clear since the male holotype is apparently lost (Cerretti and Freidberg 2009).

Distribution: PA: Egypt, Israel (Cerretti and Freidberg 2009).

Egyptian localities: Coastal Strip: Mariout.

Dates of collection: January.

#### Genus APLOMYA Robineau-Desvoidy

*Aplomya* Robineau-Desvoidy, 1830: 184. Type species: *Aplomya zonata* Robineau-Desvoidy, 1830 (= *Tachina confinis* Fallén, 1820), by subsequent designation of Robineau-Desvoidy (1863a: 459, 460).

*Prozenillia* Villeneuve, 1916: 487. Type species: *Prozenillia distans* Villeneuve, 1916, by monotypy.

*Wiedemanniomyia* Townsend, 1933: 469. Type species: *Tachina metallica* Wiedemann, 1824, by original designation.

*Aplomyiella* Mesnil, 1939: 31. Type species: *Tricholyga impexa* Villeneuve, 1916 (= *Tachina metallica* Wiedemann, 1824), by original designation.

*Atricholyga* Villeneuve, 1939: 9. Type species: *Tricholyga impexa* Villeneuve, 1916 (= *Tachina metallica* Wiedemann, 1824), by monotypy.

#### *Aplomya confinis* (Fallén, 1820)

*Tachina confinis* Fallén, 1820b: 32. Syntypes, males and females (NHRS and/or MZLU). Sweden (Gotland).

*Phryxe zonata* Robineau-Desvoidy, 1830: 159. France.

*Phryxe servillei* Robineau-Desvoidy, 1830: 159. France (Paris).

*Aplomya nitens* Robineau-Desvoidy, 1830: 185. France (Yonne: St. Sauveur).

*Aplomya zonata* Robineau-Desvoidy, 1830: 185. France (Paris).

*Tachina bicingulata* Zetterstedt, 1844: 1133. Sweden (Skåne: Esperod).

*Exorista aenescens* Macquart, 1850: 409. France (Lestrem).

*Exorista longicornis* Perris, 1852: 206. France (Grandes Landes).

*Tachina bizonata* Zetterstedt, 1859: 6119. Sweden (Skåne: Sjöbo).

Distribution: AF: ?Malawi, Yemen. OR: Orient. China [see O'Hara and Cerretti 2016: 19]. PA: Canary Is., C. Asia (Kyrgyzstan, Tajikistan, Turkmenistan, Uzbekistan), Egypt, Europe, Israel, Japan, Korea, Kuril Is., Madeira, Mongolia, Pal. China [see O'Hara and Cerretti 2016: 19], Russia, Transcaucasia.

Egyptian localities: Lower Nile Valley and Delta: Abu Rawash, Koubba.

Dates of collection: February to April.

#### *Aplomya metallica* (Wiedemann, 1824)

*Tachina metallica* Wiedemann, 1824: 46. Lectotype male (ZMUC). India. [by fixation of Townsend (1933: 470)].

*Tachina nigriventris* Wiedemann, 1824: 43. India.

*Tachina notata* Wiedemann, 1830: 653. Sudan (Nubia Region [as "Nubien"]).

*Tachina socia* Wiedemann, 1830: 654. Sudan (Nubia Region [as "Nubien"]).

*Phorocera eucalypta* Loew, 1852: 659. Mozambique (Tete [as "Tette"]).

*Parexorista laeviventris* Wulp, 1893: 173. Indonesia (Jawa).

*Tricholyga impexa* Villeneuve, 1916: 494. D.R. Congo and South Africa (Eastern Cape).

Distribution: AF: Widespread. OR: Widespread. Palaearctic: Egypt, Israel, Japan, Pal. China [see O'Hara and Cerretti 2016: 19].

Egyptian localities: Upper Nile Valley: Asswan.

Dates of collection: Unknown.

#### Genus CADURCIELLA Villeneuve

*Cadurciella* Villeneuve, 1927: 120. Type species: *Cadurciella rufipalpis* Villeneuve, 1927, by monotypy.

#### *Cadurciella tritaeniata* (Rondani, 1859)

*Exorista tritaeniata* Rondani, 1859: 147. Unspecified type(?MZF). Italy (Parma).

Distribution: PA: Egypt, Europe (northwards to Scotland, S. Norway, Sweden, Japan).

Egyptian localities and dates of collection are not precisely known. Recorded by Steyskal and El-Bialy (1967: 48).

#### Genus CESTONIA Rondani

*Cestonia* Rondani, 1861a: 105. Type species: *Cestonia cineraria* Rondani, 1861, by monotypy.

#### *Cestonia cineraria* Rondani, 1861

*Cestonia cineraria* Rondani, 1861a: 106. Syntypes, males and females (MZF). Italy (Parma).

Distribution: PA: Egypt, Europe (Mediterranean, northwards to S. France, Switzerland, and Italy), Israel.

Egyptian localities: Coastal Strip: Nuzha. Eastern Desert: Wadi Hoff. Lower Nile Valley and Delta: Ezbet El-Nakhl. Sinai: Wadi El-Tih.

Dates of collection: March to July.

***Cestonia rutilans* Villeneuve, 1929**

*Cestonia rutilans* Villeneuve, 1929b: 102. Syntypes, 1 male and 1 female, not located. Egypt (Cairo).

Distribution: AF: Senegal, Yemen. PA: Egypt, Libya.

Egyptian localities and dates of collection are not precisely known.

**Genus *CESTONIONERVA* Villeneuve**

*Cestonionerva* Villeneuve, 1929a: 43. Type species: *Conogaster petiolata* Villeneuve, 1910, by subsequent designation of Townsend (1936: 137).

***Cestonionerva petiolata* (Villeneuve, 1910)**

*Conogaster petiolata* Villeneuve in Becker, 1910: 144. Holotype female (NHMW, not located). Yemen (Socotra).

*Cestonionerva proxima* Villeneuve, 1929a: 43. Egypt (Dahshour).

Distribution: AF: U.A. Emirates, Yemen. PA: Canary Is., C. Asia (Kyrgyzstan, Tajikistan, Turkmenistan, Uzbekistan), Israel, Mongolia, North Africa, Pal. China [see O'Hara and Cerretti 2016: 19].

Egyptian localities: Lower Nile Valley and Delta: Dahshour.

Dates of collection: April.

**Genus *DRINO* Robineau-Desvoidy**

*Drino* Robineau-Desvoidy, 1863a: 250. Type species: *Drino volucris* Robineau-Desvoidy, 1863 (= *Tachina lota* Meigen, 1824), by original designation.

**Subgenus *PALEXORISTA* Townsend**

*Palexorista* Townsend, 1921: 134. Type species: *Tachina succini* Giebel, 1862 (as "*Tichina succini* Giebel"), by monotypy.

*Prosturmina* Mesnil, 1970b: 110 (as subgenus of *Drino* Robineau-Desvoidy). Type species: *Sturmia vigilans* Villeneuve, 1933 (= *Sturmia pulchra* Curran, 1927), by original designation.

***Drino (Palexorista) gilva* (Hartig, 1838)**

*Tachina gilva* Hartig, 1838: 288. Syntypes, males and females, not located. Germany.

*Drino aurora* Mesnil, 1949: 15. Japan.

Distribution: PA: Egypt, Europe, Japan, Transcaucasia.

Egyptian localities and dates of collection are not precisely known. Recorded from Egypt by Steyskal and El-Bialy (1967: 48).

***Drino (Palexorista) imberbis* (Wiedemann, 1830)**

*Tachina imberbis* Wiedemann, 1830: 317. Syntypes, males (ZMUH, lost). Egypt.

*Sturmia zonata* Curran, 1927b: 336. Uganda (Entebbe).

Distribution: AF: D.R. Congo, Kenya, Malawi, South Africa, Sudan, Tanzania, U.A. Emirates, Uganda, Yemen. PA: Canary Is., C. Asia (Kyrgyzstan, Tajikistan, Turkmenistan, Uzbekistan), Egypt, Iran, Israel, North Africa, Turkey, Turkmenia.

Egyptian localities and dates of collection are not precisely known.

***Drino (Palexorista) inconspicua* (Meigen, 1830)**

*Tachina inconspicua* Meigen, 1830: 369. Unspecified types, females (MNHN). Germany (Berlin).

*Tachina bimaculata* Hartig, 1838: 286. Germany.

*Tachina flavoscutellata* Zetterstedt, 1844: 1042. Sweden.

*Masicera cursitans* Rondani, 1861a: 21. Italy (Parma).

*Sturmia lophyri* Robineau-Desvoidy, 1863b: 892. Germany.

*Drino inusta* Mesnil, 1949: 25. Poland.

Distribution: PA: C. Asia (Kyrgyzstan, Tajikistan, Turkmenistan, Uzbekistan), China, Egypt, Europe, Russia (W. Russia, W. Siberia), Taiwan, Transcaucasia.

Egyptian localities and dates of collection are not precisely known.

**Subgenus *ZYGOBOTHRIA* Mik**

*Zygobothria* Mik, 1891: 193. Type species: *Sturmia atropivora* Robineau-Desvoidy, 1830, by original designation.

*Formosodoria* Townsend, 1933: 475. Type species: *Sturmia (Argyrophylax) dilabida* Villeneuve, 1916 (= *Meigenia ciliata* van der Wulp, 1881), by original designation.

***Drino (Zygobothria) atropivora* (Robineau-Desvoidy, 1830)**

*Sturmia atropivora* Robineau-Desvoidy, 1830: 171. Syntypes, males and females (MNHN). France.

*Sturmia masakensis* Curran, 1927c: 117. Uganda (Masaka).

Distribution: AF: Widespread. AU: Australia. OR: India, Indonesia, Laos, Malaysia, Orien. China [see O'Hara and Cerretti, 2016: 19], Ryukyu Is., Sri Lanka. PA: Algeria, Canary Is., C. Asia (Kyrgyzstan, Tajikistan, Turkmenistan, Uzbekistan), Egypt, all Europe (except British Is., Scand.), Israel, Japan, Pal. China [see O'Hara and Cerretti 2016: 19], Morocco, Russia, Transcaucasia, Tunisia.

Egyptian localities: Coastal Strip: Ramleh. Eastern Desert: Ismailia, Suez Road. Lower Nile Valley and Delta: El-Qubba, Dekernes, Maadi, Shubra.

Dates of collection: April to July.

**Genus *THECOCARCELIA* Townsend**

*Thecocarcelia* Townsend, 1933: 471. Type species: *Argyrophylax pelmatoprocta* Brauer and Bergenstamm, 1891 (= *Masicera acutangulata* Macquart, 1851), by original designation.

*Thelycarcelia* Townsend, 1933: 475. Type species: *Thelycarcelia thrix* Townsend, 1933 (= *Sturmia sumatrana* Baranov, 1932), by original designation.

***Thecocarcelia acutangulata* (Macquart, 1851)**

*Masicera acutangulata* Macquart, 1851a: 478. Unspecified type, female (?MHNL). Switzerland (Chur [as "Coire"]).

*Masicera incedens* Rondani, 1861a: 22. Italy (Parma).

*Argyrophylax pelmatoprocta* Brauer and Bergenstamm, 1891: 344. Austria (Bisamberg: nr. Vienna).

Distribution: AF: Widespread. PA: Palaearctic: Egypt, all Europe (except Turkey), Japan, Transcaucasia.

Egyptian localities and dates of collection are not precisely known.

#### Tribe ETHILLINI

##### Genus ATYLOMYIA Brauer

*Atylomyia* Brauer, 1898: 525. Type species: *Atylomyia loewii* Brauer, 1898, by monotypy.

##### *Atylomyia albifrons* Villeneuve, 1911

*Atylomyia albifrons* Villeneuve, 1911: 86. Lectotype female (CNC). Egypt (Helwan).

*Atylomyia rungsi* Mesnil, 1962: 778. Holotype. Morocco (Ait Melloul).

Distribution: PA: China, Egypt, Israel, W. Europe (Andorra, Portugal (including Azores, excluding Madeira), Spain).

Egyptian localities: Lower Nile Valley and Delta: Helwan.

Dates of collection: January and February.

#### Tribe EXORISTINI

##### Genus ALLOPROSOPAEA Villeneuve

*Alloprosopaea* Villeneuve, 1923: 89. Type species: *Alloprosopaea efflatouni* Villeneuve, 1923, by monotypy.

##### *Alloprosopaea efflatouni* Villeneuve, 1923

*Alloprosopaea efflatouni* Villeneuve, 1923: 90. Unspecified type(s) (CNC). Egypt (Wadi Hoff).

Distribution: PA: Egypt, Israel.

Egyptian localities: Eastern Desert: Wadi Hoff. Lower Nile Valley and Delta: Dahshour.

Dates of collection: April.

##### Genus CHAETORIA Becker

*Chaetoria* Becker, 1908: 113. Type species: *Chaetoria stylata* Becker, 1908, by monotypy.

*Clistorrhina* Bezzi *in* Bezzi and Lamb, 1926: 570. Type species: *Clistorrhina aurifrons* Bezzi, 1926, by monotypy.

##### *Chaetoria stylata* Becker, 1908

*Chaetoria stylata* Becker, 1908: 114. Lectotype female (ZMHB). Canary Islands (Tenerife).

Distribution: AF: Botswana, Mozambique, Nigeria, Senegal, U.A. Emirates, Yemen. PA: Algeria, Canary Is., C. Asia (Kyrgyzstan, Tajikistan, Turkmenistan, Uzbekistan), Egypt, Europe, Morocco, Tunisia.

Egyptian localities: Coastal Strip: Ramleh. Upper Nile Valley: Luxur.

Dates of collection: January to September.

##### Genus CHETOGENA Rondani

*Salia* Robineau-Desvoidy, 1830: 108 (junior homonym of *Salia* Hübner, 1818). Type species: *Salia echinura*

Robineau-Desvoidy, 1830 (= *Tachina obliquata* Fallén 1810), by subsequent designation of Robineau-Desvoidy (1863a: 553).

*Chetogena* Rondani, 1856: 68. Type species: *Salia rondaniana* Villeneuve, 1931.

*Spoggosia* Rondani, 1859: 182. Type species: *Spoggosia occlusa* Rondani, 1859 (= *Tachina obliquata* Fallén 1810), by monotypy.

*Stomatomyia* Brauer and Bergenstamm, 1889: 98. Type species: *Chetogena filipalpis* Rondani, 1859, by subsequent designation of Brauer (1893: 483).

##### *Chetogena aegyptiaca* (Villeneuve, 1923)

*Tachinosalia aegyptiaca* Villeneuve, 1923: 91. Holotype male (EFC). Egypt.

Distribution: PA: Egypt, Israel.

Egyptian localities: Coastal Strip: Mariout.

Dates of collection: March.

##### *Chetogena cercosa* (Kugler, 1980)

*Chaetogena cercosa* Kugler, 1980a: 31. Holotype male (TAU). Israel (Elat).

Distribution: AF: U. A. Emirates. PA: Egypt, Israel.

Egyptian localities: Sinai: Serabit El-Khadim.

Dates of collection: April.

##### *Chetogena sinaica* (Villeneuve, 1909)

*Stomatomyia acuminata* var. *sinaica* Villeneuve *in* Hermann and Villeneuve, 1909: 157. Holotype female (CNC). Egypt (Sinai).

Distribution: PA: Egypt, Israel.

Egyptian localities: Sinai: South Sinai.

Dates of collection: ?April.

##### Genus EXORISTA Meigen

*Exorista* Meigen, 1803: 280. Type species: *Musca larvarum* Linnaeus, 1758, by monotypy.

##### Subgenus ADENIA Robineau-Desvoidy

*Adenia* Robineau-Desvoidy, 1863a: 1041. Type species: *Tachina grisea* Robineau-Desvoidy, 1830 (= *Tachina rustica* Fallén, 1810), by original designation.

*Staegeria* Robineau-Desvoidy, 1863a: 972 (junior homonym of *Staegeria* Rondani 1856). Type species: *Tachina pratensis* Robineau-Desvoidy, 1830, by original designation.

*Chaetotachina* Brauer and Bergenstamm, 1889: 98. Type species: *Tachina rustica* Fallén, 1810, by monotypy.

##### *Exorista (Adenia) rustica* (Fallén, 1810)

*Tachina rustica* Fallén, 1810: 264. Lectotype male (NHRS). Sweden (Skåne).

Distribution: PA: C. Asia (Kyrgyzstan, Tajikistan, Turkmenistan, Uzbekistan), China, Egypt, all Europe, M. East, Mongolia, Russia, Taiwan, Transcaucasia.

Egyptian localities: Eastern Desert: Wadi Hoff.

Dates of collection: March to June.

**Subgenus EXORISTA Meigen** —Nominotypical subgenus

*Exorista* Meigen, 1803: 280. Type species: *Musca larvarum* Linnaeus, 1758 (as "*Musca larvarum* Fabr."), by monotypy.

***Exorista (Exorista) fasciata* (Fallén, 1820)**

*Tachina fasciata* Fallén, 1820a: 5. Syntypes, males and females (NHRS and/or MZLU). Sweden (Skåne, Äsperöd [as “Esperöd”] and Abusa).

*Chetogena segregata* Rondani, 1859: 181. Italy (Parma and Sicily); Malta.

Distribution: NE: Yukon, introduced and established in Ontario, Québec and New England. OR: India. PA: China, Egypt, Europe, Japan, M. East, Mongolia, Russia, Taiwan, Transcaucasia.

Egyptian localities: Upper Nile Valley: Assiout.

Dates of collection: March.

***Exorista (Exorista) larvarum* (Linnaeus, 1758)**

*Musca larvarum* Linnaeus, 1758: 596. Unspecified Type(s) (LSUK). Europe.

*Tachina moreti* Robineau-Desvoidy, 1853: 534. France (Auxerre).

Distribution: NE: New England, Ontario, Québec, Yukon. OR: India. PA: C. Asia (Kyrgyzstan, Tajikistan, Turkmenistan, Uzbekistan), China, all Europe, Japan, M. East, Mongolia, North Africa, Russia, Taiwan, Transcaucasia.

Egyptian localities: Coastal Strip: Alexandria, Mariout, Nuzha. Eastern Desert: Ismailia. Lower Nile Valley and Delta: Bahtim, Dessouk, Dokki, Embaba, Sakha, Tanta. Fayoum: ?. Sinai: El-Arish. Upper Nile Valley: Sohag.

Dates of collection: Throughout the year.

**Subgenus *PODOTACHINA* Brauer and Bergenstamm**

*Podotachina* Brauer and Bergenstamm, 1891: 350. Type species: *Tachina sorbillans* Wiedemann, 1830, by subsequent designation of Townsend (1916: 8).

***Exorista (Podotachina) sorbillans* (Wiedemann, 1830)**

*Tachina sorbillans* Wiedemann, 1830: 311. Lectotype male (NHMW). Canary Islands (Tenerife).

Distribution: AF: Cameroon, Canary Is., D.R. Congo, Kenya, Malawi, Nigeria, Sierra Leone, Uganda. OR: India, Indonesia, Nepal, Orien. China [see O'Hara and Cerretti 2016: 19], Philippines, Ryukyu Is., Sri Lanka, Taiwan, Thailand, Vietnam. Australasian: Australia, N. Australasian. PA: C. Asia (Kyrgyzstan, Tajikistan, Turkmenistan, Uzbekistan), Egypt, Europe, Israel, Japan, Mongolia, China.

Egyptian localities and dates of collection are not precisely known. Recorded from Egypt by Steyskal and El-Bialy (1967: 49).

**Subgenus *PTILOTACHINA* Brauer and Bergenstamm**

*Ptilotachina* Brauer and Bergenstamm, 1891: 350. Type species: *Exorista florentina* Herting, 1975, by fixation of O'Hara *et al.* (2009: 94) under Article 70.3.2 of the Code (ICZN, 1999).

***Exorista (Ptilotachina) rutilans* Mesnil, 1970**

*Exorista rutilans* Mesnil, 1970a: 113. Holotype male (MNHN). Egypt (Sinai).

Distribution: PA: Egypt, Israel.

Egyptian localities: Sinai.

Dates of collection: April.

***Exorista (Ptilotachina) xanthaspis* (Wiedemann, 1830)**

*Tachina xanthaspis* Wiedemann, 1830: 314. Syntypes, males and females (SMF). Sudan (Nubia Region [as “Nubien”]).

*Tachina pyrrhocera* Wiedemann, 1830: 314. Sudan (Nubia Region [as “Nubien”]).

*Tachina fallax pseudofallax* Villeneuve, 1920: 151. South Africa (Eastern Cape).

*Larvaevora (Ptilotachina) fallax aethiopica* Rohdendorf, 1931: 348. Sudan (Wad Medani).

Distribution: AF: Madagascar, Seychelles, Sudan, U.A. Emirates, Yemen. AU: N. Australasian. OR: India, Indonesia, Orien. China [see O'Hara and Cerretti 2016: 19], Ryukyu Is., Taiwan. PA: C. Asia (Kyrgyzstan, Tajikistan, Turkmenistan, Uzbekistan), Egypt, all Europe (except British Is., Scand.), Israel, Mongolia, Pal. China [see O'Hara and Cerretti 2016: 19], Russia, Transcaucasia.

Egyptian localities: Lower Nile Valley and Delta: Abu Rawash. Sinai: St. Katherine.

Dates of collection: February to August. Upper Nile Valley: Asswan.

**Genus *MACULOSALIA* Mesnil**

*Maculosalia* Mesnil, 1946: 62 (as subgenus of *Spoggosia* Rondani 1859). Type species: *Deuterammobia maculosa* Villeneuve, 1909, by monotypy.

***Maculosalia maculosa* (Villeneuve, 1909)**

*Deuterammobia maculosa* Villeneuve, 1909: 80. ?Holotype (?MNHN). Egypt (Sinai).

Distribution: PA: Egypt, Iran, Tunisia.

Egyptian localities: Sinai: ?

Dates of collection: Unknown.

**Tribe *GONIINI*****Genus *BLEPHARELLA* Macquart**

*Blepharella* Macquart, 1851b: 176. Type species: *Blepharella lateralis* Macquart, 1851, by original designation.

***Blepharella versatilis* (Villeneuve, 1910)**

*Sturmia versatilis* Villeneuve, 1910a: 253. Unspecified type(s), 1 male (CNC). D.R. Congo.

Distribution: AF: D.R. Congo, Malawi, Nigeria, Sudan. PA: ?Egypt.

Note: Villeneuve (1913b: 29) recorded this species from Egypt, based on a male in BMNH, however this record needs confirmation (O'Hara and Cerretti 2016).

**Genus *CLEMELIS* Robineau-Desvoidy**

*Clemelis* Robineau-Desvoidy, 1863a: 481. Type species: *Zenillia ciligera* Robineau-Desvoidy, 1830 (= *Tachina pullata* Meigen, 1824), by original designation.

***Clemelis apicalis* Villeneuve, 1923**

*Clemelis apicalis* Villeneuve, 1923: 92. Holotype male (?EFC, not located). Egypt [as "Lower Egypt"].

Distribution: PA: Egypt.

Egyptian localities: Coastal Strip: Mariout.

Dates of collection: April.

**Genus *GONIA* Meigen**

*Salmacia* Meigen, 1800: 38. Name suppressed by ICZN (1963: 339).

*Gonia* Meigen, 1803: 280. Type species: *Gonia bimaculata* Wiedemann, 1819, by subsequent designation of Sabrosky and Arnaud Jr (1965: 1075).

*Reaumuria* Robineau-Desvoidy, 1830: 79. Type species: *Musca capitata* De Geer, 1776, by subsequent designation of Robineau-Desvoidy (1863a: 733).

*Pissemya* Robineau-Desvoidy, 1851b: 318. Type species: *Gonia atra* Meigen, 1826, by monotypy.

*Turanogonia* Rohdendorf, 1924: 228. Type species: *Turanogonia smimovi* Rohdendorf, 1924 (= *Gonia chinensis* Wiedemann, 1824), by monotypy.

*Asiogonia* Rohdendorf, 1928: 98. Type species: *Asiogonia asiatica* Rohdendorf, 1928, by monotypy.

*Chrysocero-gonia* Rohdendorf, 1928: 98 (as subgenus of *Salmacia* Meigen, 1800). Type species: *Salmacia (Chrysocero-gonia) ussuriensis* Rohdendorf, 1928, by monotypy.

*Eremogonia* Rohdendorf, 1928: 98 (as subgenus of *Salmacia* Meigen, 1800). Type species: *Salmacia (Eremogonia) desertorum* Rohdendorf, 1928, by monotypy.

***Gonia atra* Meigen, 1826**

*Gonia atra* Meigen, 1826: 7. Unspecified type(s) (MNHN). France.

Distribution: PA: C. Asia (Kyrgyzstan, Tajikistan, Turkmenistan, Uzbekistan), China, Egypt, Europe, Kazakhstan, Mongolia, Russia (Siberia), Transcaucasia.

Egyptian localities: Fayoum? . Lower Nile Valley and Delta: El-Marg, Ezbet El-Nakhl, Kafr Hakim, Kerdassa, Sentrees.

Dates of collection: February to October.

***Gonia bimaculata* Wiedemann, 1819**

*Gonia bimaculata* Wiedemann, 1819: 25. Syntypes, females (NHMW, ZMUC). South Africa (Western Cape: Cape of Good Hope).

*Gonia cilipeda* Rondani, 1859: 35. Italy (Parma and Malta).

*Gonia incerta* Bigot, 1888: 10. (Tunisia. Tunis).

*Salmacia cabraerae* Mesnil, 1956: 523. Canary Is. (Hiero).

Distribution: AF: Widespread (excl. W. AF). OR: Orien. China [see O'Hara and Cerretti 2016: 19]. PA: Canary Is., C. Asia (Kyrgyzstan, Tajikistan, Turkmenistan, Uzbekistan), Europe, Israel, Madeira, North Africa, Pal. China [see O'Hara and Cerretti 2016: 19], Transcaucasia.

Egyptian localities: Coastal Strip: Abu Qir. Eastern Desert: Gebel Asfar, Ismailia, Wadi Hoff. Fayoum:

Kom Osheem. Lower Nile Valley and Delta: Abu Rawash, Borkash, El-Marg, Ezbet El-Nakhl, Kafr Hakim, Pyramids, Shubra, Tanta, Zaqaq.

Dates of collection: February to September.

***Gonia capitata* (De Geer, 1776)**

*Musca capitata* De Geer, 1776: 23. Syntypes, unspecified number and sex (?NHRS). Sweden.

*Rhedia testacea* Robineau-Desvoidy, 1830: 75. France (Paris).

*Gonia trifaria* Zeller, 1842: 841. Austria (Wien), Poland (Reinerz and Szczecin).

*Gonia maritima* Perris, 1847: 495. France.

Distribution: PA: China, Egypt, Europe, Mongolia, Russia (W. Russia, W. Siberia), Transcaucasia.

Egyptian localities: Common throughout the country, particularly in: Coastal Strip: El-Burg, Mariout. Fayoum: ?. Eastern Desert: Wadi Rishrash, Wadi Wirak. Lower Nile Valley and Delta: Giza, Helwan, Kerdassa, Tanta. Sinai: El-Arish, Ein Gedeirat, Ein Moweileh, Gebel Moussa, Wadi El-Lega, Wadi Firan. Western Desert: Siwa Oasis. Upper Nile Valley: Asswan.

Dates of collection: February to October.

***Gonia ornata* Meigen, 1826**

*Gonia ornata* Meigen, 1826: 3. Syntypes, males (MNHN). France (Lyon).

*Gonia vittata* Meigen, 1826: 3. Germany.

*Gonia nervosa* Meigen, 1826: 4. Germany (Hamburg).

*Rhedia vernalis* Robineau-Desvoidy, 1830: 74. France.

*Rhedia diversa* Robineau-Desvoidy, 1830: 77. France.

*Gonia lateralis* Zeller, 1842: 843. Poland (Glogow).

Distribution: PA: C. Asia (Kyrgyzstan, Tajikistan, Turkmenistan, Uzbekistan), China, Egypt, Europe (all), M. East, Mongolia, Russia (W. Russia, W. Siberia, S. Far East), Transcaucasia.

Egyptian localities: Common throughout the country, particularly in: Lower Nile Valley and Delta: Abu Rawash, Tanta. Upper Nile Valley: Qena.

Dates of collection: February to August.

**Genus *MENDELSSOHNIA* Kugler**

*Mendelssohnia* Kugler 1971: 69. Type species: *Mendelssohnia sinaica* Kugler, 1971, by original designation.

***Mendelssohnia sinaica* Kugler, 1971**

*Mendelssohnia sinaica* Kugler, 1971: 70. Holotype male (TAU). Egypt (Sinai: Wadi El-Sheikh).

Distribution: Egypt, Israel.

Egyptian localities: Sinai: Wadi El Sheikh.

Dates of collection: Unknown.

**Genus *NEALSOMYIA* Mesnil**

*Nealsomyia* Mesnil, 1939: 31. Type species: *Exorista (Alsomyia) triseriella* Villeneuve, 1929, by original designation.

***Nealsomyia triseriella* (Villeneuve, 1929)**

*Exorista triseriella* Villeneuve, 1929c: 185. Holotype male (CNC). Egypt (Wadi Hoff: nr. Helwan).



Distribution: PA: Egypt, Israel.

Egyptian localities: Eastern Desert: Wadi Hoff.

Dates of collection: April to August.

**Genus PSEUDOGONIA Brauer and Bergenstamm**

*Pseudogonia* Brauer and Bergenstamm, 1889: 100.

Type species: *Gonia cinerascens* Rondani, 1859 (= *Tachina rufifrons* Wiedemann, 1830), by monotypy.

*Gaediogonia* Townsend, 1927: 71. Type species: *Gaediogonia jacobsoni* Townsend, 1927 (= *Tachina rufifrons* Wiedemann, 1830), by original designation.

***Pseudogonia fasciata* (Wiedemann, 1819)**

*Gonia fasciata* Wiedemann, 1819: 25. Syntypes, females (ZMUC). South Africa (Western Cape: Cape of Good Hope).

*Rhedia capensis* Robineau-Desvoidy, 1830: 77. South Africa (Western Cape: Cape of Good Hope).

*Reaumuria lalandii* Robineau-Desvoidy, 1830: 80. South Africa (Western Cape: Cape of Good Hope).

Distribution: AF: South Africa, Zimbabwe. PA: Andorra, Canary Is., Egypt, Portugal (including Azores, excluding Madeira), Spain.

Egyptian localities and dates of collection are not precisely known. Recorded from Egypt by Steyskal and El-Bialy 1967: 49).

***Pseudogonia rufifrons* (Wiedemann, 1830)**

*Tachina rufifrons* Wiedemann, 1830: 318. Lectotype female (ZMUC). China.

*Latreillia lalandii* Robineau-Desvoidy, 1830: 106. South Africa (Western Cape: Cape of Good Hope).

*Gonia cinerascens* Rondani, 1859: 34. Italy (Parma).

*Gonia munroi* Curran, 1927b: 339. Tanzania.

*Gonia ritchiei* Cuthbertson and Munro, 1941: 109. *Nomen nudum*.

*Gonia munroi curran*, 1927b: 339) Tanzania (Tanganyika) and South Africa.

Distribution: AF: Widespread, including Cape Verde, Nigeria, South Africa, Tanzania, U.A. Emirates, Yemen. AU: Australia, Hawaii, Melanesia, N. Australasian. OR: India, Indonesia, Malaysia, Myanmar, Orien. China [see O'Hara and Cerretti 2016: 19], Pakistan, Philippines, Ryukyu Is., Taiwan, Thailand. PA: C. Asia (Kyrgyzstan, Tajikistan, Turkmenistan, Uzbekistan), Egypt, all Europe (except British Is.), Japan, Kazakhstan, Korea, M. East (Israel), Mongolia, Pal. China [see O'Hara and Cerretti 2016: 19], Russia, Transcaucasia.

Egyptian localities: Coastal Strip: Mariout, Nuzha. Eastern Desert: Wadi Hoff. Gebel Elba: Wadi Edeib. Lower Nile Valley and Delta: Abu Rawash. Sinai: Wadi El-Tih.

Dates of collection: January to July.

**Genus RAMONELLA Kugler**

*Ramona* Kugler, 1980a: 40 (junior homonym of *Ramona* Casey, 1886). Type species: *Ramona mesnili* Kugler, 1980, by original designation.

*Ramonella* Kugler, 1980b: 67 (*nomen novum* for *Ramona* Kugler, 1980).

***Ramonella mesnili* (Kugler, 1980)**

*Ramona mesnili* Kugler, 1980a: 41. Holotype male (TAU). Israel (Negev: Ramon).

Distribution: AF: Yemen. PA: Canary Is., Egypt, Turkey, Israel.

Egyptian localities: Lower Nile Valley and Delta: El-Marg. Sinai: Wadi Taibe, Wadi Watir.

Dates of collection: May to September.

**Tribe WINTHEMIINI**

**Genus NEMORILLA Rondani**

*Nemorilla* Rondani, 1856: 66. Type species: *Tachina maculosa* Meigen, 1824, by original designation.

***Nemorilla floralis* (Fallén, 1810)**

*Tachina floralis* Fallén, 1810: 287. Holotype male (NHRS). Sweden.

*Tachina notabilis* Meigen, 1824: 266. Sweden.

*Tachina angustipennis* Meigen, 1824: 333. W. Europe.

*Tachina pabulina* Meigen, 1824: 358. Germany (Hamburg).

*Exorista laticella* Macquart, 1850: 373. France (Lestrem).

*Exorista arrogans* Macquart, 1850: 374. France (Lestrem).

*Tachina intersita* Walker, 1853: 72. England.

*Nemorilla amica* Rondani, 1859: 102. Italy (Parma).

*Aubaea campestris* Robineau-Desvoidy, 1863: 186. France.

*Pitthaea nebulosa* Robineau-Desvoidy, 1863: 189. France.

Distribution: PA: Egypt, Europe, Russia, Japan, North Korea.

Egyptian localities: Lower Nile Valley and Delta: Bahtim, Ezbet El-Nakhl. Sinai: El-Arish.

Dates of collection: April to June.

**Subfamily PHASIIINAE**

**Tribe CYLINDROMYIINI**

**Genus BESSERIA Robineau-Desvoidy**

*Besseria* Robineau-Desvoidy, 1830: 232. Type species: *Besseria reflexa* Robineau-Desvoidy, 1830, by monotypy.

*Apostrophus* Loew, 1871: 310, 311. Type species: *Apostrophus suspectus* Loew, 1871 (= *Actia zonaria* Loew, 1847), by subsequent designation of Coquillett (1910: 509).

*Apostrophusia* Townsend, 1933: 454. Type species: *Apostrophus anthophilus* Loew, 1871, by original designation.

***Besseria anthophila* (Loew, 1871)**

*Apostrophus anthophilus* Loew, 1871: 310. Type(s), male(s), not located. Germany (Bavaria: Munich-Geiselsgasteig).

*Melia forcipata* Bigot, 1881: 368. France (Hautes-Alpes: Queyras, Abries).

Distribution: NE: Alberta, Northwest Territories. PA: Egypt, Europe, Mongolia.

Egyptian localities: Coastal Strip: Dekhila, Mariout.

Dates of collection: June to August.

#### Genus *CYLINDROMYIA* Meigen

*Cylindromyia* Meigen, 1803: 279. Type species: *Musca brassicaria* Fabricius, 1775, by monotypy.

*Ocyptera* Latreille, 1804: 195. Type species: *Musca brassicaria* Fabricius, 1775, by subsequent designation of Curtis (1837: 629).

*Exogaster* Rondani, 1856: 78. Type species: *Exogaster carinatus* Rondani, 1856 (= *Ocyptera rufifrons* Loew, 1844), by original designation.

*Ocypterula* Rondani, 1856: 78. Type species: *Ocyptera pusilla* Meigen, 1824, by original designation.

*Plesiocyptera* Brauer and Bergenstamm, 1893: 56. Type species: *Ocyptera bicolor* Wiedemann, 1819, by monotypy.

*Conopisoma* Speiser, 1910: 144. Type species: *Conopisoma miraculum* Speiser, 1910, by original designation.

*Formicocyptera* Townsend, 1933: 451. Type species: *Ocyptera atrata* Fabricius, 1805, by original designation.

#### *Cylindromyia intermedia* (Meigen, 1824)

*Ocyptera intermedia* Meigen, 1824: 212. Holotype male (MNHN). ?Europe.

*Ocyptera scalaris* Loew, 1844: 240. Austria (Vienna).

*Ocyptera excisa* Loew, 1845: 171. Romania (Mehadia).

*Ocyptera excisa* var. *rufiventris* Strobl, 1906: 338. Spain (Villa Rutas).

*Ocyptera reinigi* Enderlein, 1934: 132. Tajikistan (Pamir: Karasu).

Distribution: Nearctic: Widespread. PA: C. Asia (Kyrgyzstan, Tajikistan, Turkmenistan, Uzbekistan), China, Egypt, Europe, Iran, Israel, Mongolia, Russia, Tadjikistan, Transcaucasia, Ukraine, Uzbekistan.

Egyptian localities: Coastal Strip: Alexandria, Mariout, Max, Ramleh. Upper Nile Valley: Beni Suef.

Dates of collection: April to September.

#### *Cylindromyia rufipes* (Meigen, 1824)

*Ocyptera rufipes* Meigen, 1824: 215. Lectotype male (MNHN). France.

Distribution: AF: U.A. Emirates. OR: India, Pakistan. PA: Egypt, all Europe (except British Is., Scand.), Pakistan, Russia (W. Russia), Saudi Arabia, Transcaucasia, Ukraine.

Egyptian localities: Coastal Strip: Alexandria. Lower Nile Valley and Delta: Gebel Asfar, Kubba.

Dates of collection: October to February.

#### Tribe *LEUCOSTOMATINI*

#### Genus *DIONOMELIA* Kugler

*Dionomelia* Kugler, 1978b: 346. Type species: *Dionomelia hennigi* Kugler, 1978, by original designation.

#### *Dionomelia hennigi* Kugler, 1978

*Dionomelia hennigi* Kugler, 1978b: 346. Holotype female (TAU). Israel (Dead Sea area: Ein Boqeq).

Distribution: AF: U.A. Emirates. PA: Andorra, Egypt, Israel, Portugal (including Azores, excluding Madeira), Spain.

Egyptian localities: Sinai.

Dates of collection: April to September.

#### Genus *LEUCOSTOMA* Meigen

*Leucostoma* Meigen, 1803: 279. Type species: *Ocyptera simplex* Fallén, 1815, by subsequent monotypy of Meigen (1824: 234).

#### *Leucostoma engeddense* Kugler, 1966

*Leucostoma engeddense* Kugler, 1966: 177. Holotype female (TAU). Israel (Dead Sea area: Ein Gedi).

Distribution: AF: South Africa, U.A. Emirates. PA: Algeria, Canary Is., Egypt, Israel, Madeira, NW Africa, Spain, Turkey.

Egyptian localities: Lower Nile Valley and Delta: Minia El-Qamh, Tanta.

Dates of collection: February to May.

#### *Leucostoma obsidianum* (Wiedemann, 1830)

*Tachina obsidiana* Wiedemann, 1830: 341. Lectotype female (SMF). Sudan (Nuba [as "Nubien"]).

*Leucostoma marismortui* Kugler, 1966: 179. Israel (Dead Sea area: Ein Gedi).

Distribution: AF: Sudan, Yemen. PA: Canary Is., Egypt, Europe, Israel, Malta, Saudi Arabia.

Egyptian localities: Upper Egypt: Asswan.

Dates of collection: Unknown.

#### Tribe *PHASIINI*

#### Genus *PHASIA* Latreille

*Phasia* Latreille, 1804: 195. Type species: *Conops subcoleopratus* Linnaeus, 1767, by subsequent monotypy of Latreille (1805: 379).

*Alophora* Robineau-Desvoidy, 1830: 293. Type species: *Syrphus hemipterus* Fabricius, 1794, by subsequent designation of Robineau-Desvoidy (1863b: 226, as "*Thereva hemiptera* de Fabricius").

*Hyalomya* Robineau-Desvoidy, 1830: 298. Type species: *Phasia semicinerea* Meigen, 1824 (= *Phasia pusilla* Meigen, 1824), by subsequent designation of Westwood (1840: 140).

*Phorantha* Rondani, 1861b: 209. Type species: *Phorantha musciformis* Rondani, 1861 (= *Conops subcoleopratus* Linnaeus, 1767), by monotypy.

*Paralophora* Girschner, 1887: 412 (as subgenus of *Alophora* Robineau-Desvoidy, 1830). Type species: *Phasia pusilla* Meigen, 1824, by monotypy.

*Alophorella* Townsend, 1912: 45. Type species: *Thereva obesa* Fabricius, 1798, by original designation.

***Phasia pusilla* Meigen, 1824**

*Phasia pusilla* Meigen, 1824: 198. Lectotype male (CNC). Germany (Stolberg).

*Phasia semicinerea* Meigen, 1824: 199. Germany (Stolberg).

*Hyalomya carbonaria* Robineau-Desvoidy, 1830: 300. France (St. Sauveur).

*Hyalomya corinna* Robineau-Desvoidy, 1830: 301. France.

*Phasia vitripennis* Zetterstedt, 1859: 6169. Sweden (Skane).

*Hyalomya chorea* Robineau-Desvoidy, 1863: 266. France.

Distribution: PA: C. Asia (Kyrgyzstan, Tajikistan, Turkmenistan, Uzbekistan), China, Egypt, Europe (all), Israel, Japan, Kazakhstan, Mongolia, Russia, Transcaucasia.

Egyptian localities and dates of collection are not precisely known.

**Subfamily TACHININAE****Tribe ERNESTIINI****Genus EURITHIA Robineau-Desvoidy**

*Erigone* Robineau-Desvoidy, 1830: 65 (junior homonym of *Erigone* Audouin, 1826). Type species: *Erigone anthophila* Robineau-Desvoidy, 1830, by subsequent designation of Townsend (1932: 42).

***Eurithia*** Robineau-Desvoidy, 1844: 24. Type species: *Erigone puparum* Robineau-Desvoidy, 1830 (= *Tachina caesia* Fallén, 1810), by monotypy.

***Eurithia castellana* (Strobl, 1906)**

*Eurithia castellana* Strobl, 1906: 338. Holotype male (NMBA). Spain (Madrid). Holotype may be lost, see O'Hara et al. (2009).

Distribution: PA: Albania, Bosnia and Herzegovina, Bulgaria, China, Croatia, Egypt, Greece, Israel, Montenegro, Macedonia, Serbia, Slovenia, Transcaucasia.

Egyptian localities: Coastal Strip: El-Burg, Mariout. Eastern Desert: Ismailia. Fayoum: ?. Lower Nile Valley and Delta: Abu Rawash. Upper Nile Valley: Asswan.

Dates of collection: January to October.

**Genus LINNAEMYA Robineau-Desvoidy**

***Linnaemya*** Robineau-Desvoidy, 1830: 52. Type species: *Linnaemya silvestris* Robineau-Desvoidy, 1830 (= *Tachina vulpina* Fallén, 1810), by subsequent designation of Robineau-Desvoidy (1863a: 131).

*Bonellia* Robineau-Desvoidy, 1830: 56 (junior homonym of *Bonellia* Rolando, 1822). Type species: *Bonellia tessellans* Robineau-Desvoidy, 1830, by subsequent designation of Townsend (1916: 6).

*Elachipalpus* Rondani, 1850: 169. Type species: *Micropalpus longirostris* Macquart, 1845 (junior primary homonym of *Micropalpus longirostris* Macquart, 1844; = *Elachipalpus rondanii* Townsend, 1916), by original designation.

*Tachinomima* Brauer and Bergenstamm, 1891: 383. Type species: *Tachinomima expetens* Brauer and Bergenstamm, 1891 (= *Micropalpus longirostris* Macquart, 1844), by monotypy.

*Hecatoepalpus* Townsend, 1933: 467. Type species: *Micropalpus prohecate* Speiser, 1910, by original designation.

*Micropalpinus* Enderlein, 1937: 441. Type species: *Micropalpus pallidus* Jaenicke, 1867, by original designation.

*Gymmantia* Enderlein, 1937: 441. Type species: *Micropalpus alboscuteclatus* Speiser, 1910, by original designation.

***Linnaemya comta* (Fallén, 1810)**

*Tachina comta* Fallén, 1810: 277. Unspecified type(s), females (NHRS) Sweden.

*Tachina compta* Meigen, 1824: 262. Unjustified emendation of *comta* Fallén.

*Tachina fulgens* Meigen, 1824: 259. Austria, France and Germany.

*Linnaemya heraclei* Robineau-Desvoidy, 1830: 53. France (Paris).

*Linnaemya analis* Robineau-Desvoidy, 1830: 54. France (Angers).

*Linnaemya aestivalis* Robineau-Desvoidy, 1830: 54. France.

*Linnaemya borealis* Robineau-Desvoidy, 1830: 54. France.

*Bonnetia longipes* Robineau-Desvoidy, 1830: 55. France.

*Bonnetia oenanthis* Robineau-Desvoidy, 1830: 56. France (Paris).

*Micropalpus humeralis* Robineau-Desvoidy, 1863: 119. New name for *Bonnetia longipes* Robineau-Desvoidy, 1830.

Distribution: AF: Sudan. NE: Widespread. OR: India, Nepal. PA: C. Asia (Kyrgyzstan, Tajikistan, Turkmenistan, Uzbekistan), China, Egypt, Europe (all), Kazakhstan, Israel, Mongolia, Russia (W. Russia, W. Siberia, E. Siberia, S. Far East), Taiwan, Transcaucasia.

Egyptian localities: Eastern Desert: Wadi Garawi, Wadi Rishrash. Gebel Elba: ?. Lower Nile Valley and Delta: Mansouriya.

Dates of collection: January to March.

***Linnaemya latigena* Kugler, 1977**

*Linnaemya latigena* Kugler, 1977: 3. Holotype male (TAU). Egypt (Sinai: Bir Gifgafa [as "Refidim"]).

Distribution: AF: U.A. Emirates. PA: Egypt, Israel. Egyptian localities: Sinai: Bir Gifgafa, Mitla, Wadi Firan.

Dates of collection: April.

***Linnaemya petiolata* Kugler, 1971**

*Linnaemya petiolata* Kugler, 1971: 80. Unspecified type(s), male(s) (TAU). Egypt (South Sinai: Abu Marawath).

Distribution: PA: Egypt.

Egyptian localities: Sinai: Abu Marawath.

Dates of collection: April to August.

***Linnaemya soror* Zimin, 1954**

*Linnaemya soror* Zimin, 1954: 266. Holotype male (ZIN). Tajikistan (Gorno-Badakhshan: Khorugh).

Distribution: PA: Canary Is., C. Asia (Kyrgyzstan, Tajikistan, Turkmenistan, Uzbekistan), China, Egypt, W. Europe (Andorra, Portugal (including Azores, excluding Madeira), Spain), S. Europe (Albania, Bosnia and Herzegovina, Bulgaria, Croatia, Greece, Montenegro, Macedonia, Serbia, Slovenia), Israel, North Africa, Russia, Transcaucasia, Turkmenia, Uzbekistan. OR: India, Nepal.

Egyptian localities: Pyramids.

Dates of collection: September.

**Tribe GRAPHOGASTRINI**

**Genus PHYTOMYPTERA Rondani**

*Phytomyptera* Rondani, 1845: 32, 33. Type species: *Phytomyptera nitidiventris* Rondani, 1845 (= *Tachina nigrina* Meigen, 1824), by monotypy.

*Elfia* Robineau-Desvoidy, 1850: 190. Type species: *Actia cingulata* Robineau-Desvoidy, 1830, by subsequent designation of Robineau-Desvoidy (1863a: 672).

***Phytomyptera lacteipennis* Villeneuve, 1934**

*Phytomyptera lacteipennis* Villeneuve, 1934b: 71. Lectotype female (CNC). Egypt (Suez).

Distribution: AF: U.A. Emirates. PA: Egypt, Europe, Israel, Libya, Mongolia, Russia (W. Russia).

Egyptian localities: Eastern Desert: Suez Road.

Dates of collection: March.

**Tribe MINTHOINI**

**Genus MINTHO Robineau-Desvoidy**

*Mintho* Robineau-Desvoidy, 1830: 216. Type species: *Musca compressa* Fabricius, 1787, by subsequent designation of Rondani (1856: 79).

***Mintho compressa* (Fabricius, 1787)**

*Musca compressa* Fabricius, 1787: 346. Unspecified type(s) (ZMUC). Spain.

*Mintho capensis* Robineau-Desvoidy, 1830: 217. South Africa (Western Cape: Cape of Good Hope).

*Tachina isis* Wiedemann, 1830: 304. Egypt.

*Ocyptera vittata* Costa, 1844: 94. Italy (Cervinara and Guagnano).

*Sericocera algira* Macquart, 1849: 480. Algeria.

*Dexia thala* Walker, 1849: 845. Morocco (Tangier).

*Dexia isapis* Walker, 1849: 848. Egypt.

Distribution: AF: Widespread, including D.R. Congo, Eritrea, Kenya, Nigeria, Somalia, South Africa, Sudan, Tanzania, Yemen. PA: Algeria, Canary Is., Egypt, Europe, Israel, Libya, Morocco, Transcaucasia, Tunisia.

Egyptian localities. Coastal Strip: Alexandria, Amrya. Lower Nile Valley and Delta: Abu Rawash, Ain Shams, Beni Meggon, Cairo, Dokki, El-Baragil, Ezbet El-Nakhl, Giza, Kafr Hakim, Kerdassa, Mansouriya, Maadi, Nahya, Shubra, Sinai: El-Arish. Sinai: El-Arish. Upper Nile Valley: Assiout, Asswan.

Dates of collection. Throughout the year.

**Genus PLESINA Meigen**

*Plesina* Meigen, 1838: 214. Type species: *Tachina phalerata* Meigen, 1824, by monotypy.

*Xanthopetia* Townsend, 1933: 452. Type species: *Tachina fascipennis* Wiedemann, 1830, by original designation.

*Kugleria* Verbeke, 1970: 299 (junior homonym of *Kugleria* Bouwman, 1938). Type species: *Plesina fascipennis claripennis* Mesnil, by monotypy.

***Plesina claripennis* Mesnil, 1953**

*Plesina claripennis* Mesnil, 1953b: 166. Holotype (not located). Israel (Jerusalem).

Distribution: Egypt, Israel.

Egyptian localities: Sinai.

Dates of collection: ?

***Plesina deserticola* Kugler, 1978**

*Plesina deserticola* Kugler, 1978a: 93. Holotype male (TAU). Egypt (Sinai: Wadi Shag).

Distribution: PA: Egypt, Israel.

Egyptian localities: Sinai: Wadi Shag (South Sinai).

Dates of collection: ?

**Genus ROSSIMYIOPS Mesnil**

*Rossimylops* Mesnil, 1953a: 145. Type species: *Rossimylops whiteheadi* Mesnil, 1953, by monotypy.

*Mesnilomyia* Kugler, 1972: 103. Type species: *Mesnilomyia magnifica* Kugler, 1972, by original designation.

*Persedeia* Richter, 2001: 25. Type species: *Persedeia exquisita* Richter, 2001, by original designation.

***Rossimylops achilleae* (Kugler, 1972)**

*Mesnilomyia achilleae* Kugler, 1972: 107. Holotype male (TAU). Israel ('Arad).

Distribution: PA: Egypt, Israel.

Egyptian localities: Sinai: St. Catherine, Wadi El-Arbaein, Wadi Shag.

Dates of collection: July.

***Rossimylops magnificus* (Kugler, 1972)**

*Mesnilomyia magnifica* Kugler, 1972: 105. Holotype male (TAU). Israel ('Arad).

Distribution: PA: Egypt, Iraq, Israel.

Egyptian localities: Sinai: Tarfat El-Kadarin, Wadi Nazeab, Wadi Sa'al, Nueiba'.

Dates of collection: April to September.

**Tribe SIPHONINI**

**Genus ACTIA Robineau-Desvoidy**

**Actia** Robineau-Desvoidy, 1830: 85. Type species: *Roelsia lamia* Meigen, 1838, by designation under the plenary powers of ICZN.

*Gymnophthalma* Lioy, 1864: 1341. Type species: *Tachina crassicornis* Meigen, 1824, by monotypy.

*Gymnopareia* Brauer and Bergenstamm, 1889: 103. Type species: *Tachina crassicornis* Meigen, 1824, by monotypy.

**Actia crassicornis (Meigen, 1824)**

*Tachina crassicornis* Meigen, 1824: 351. Syntypes, males and females (MNHN). Probably Germany (Stolberg). See O'Hara (2009).

*Thryptocera bicolor* Macquart, 1834: 312. France (Lille).

*Thryptocera flavipalpis* Macquart, 1848: 135. Switzerland (Ütliberg).

*Thryptocera nigripalpis* Robineau-Desvoidy, 1851: 182. France.

*Thryptocera palpalis* Rondani, 1859: 14. Italy (Parma).

*Thryptocera claripennis* Robineau-Desvoidy, 1863: 716. France,

*Thryptocera scutellaris* Rondani, 1865: 195. Italy (Parma).

Distribution: PA: China, Egypt, Europe (all), Japan, Kazakhstan, Mongolia, Russia, Transcaucasia.

Egyptian localities: Coastal Strip: Alexandria. Eastern Desert: Ismailia. Lower Nile Valley and Delta: Abu Rawash, Dokki, Giza, Kerdassa. Sinai: El-Arish. Upper Nile Valley: Assiout.

Dates of collection: April to September.

**Genus PERIBAEA Robineau-Desvoidy**

*Herbstia* Robineau-Desvoidy, 1851: 184 (junior homonym of *Herbstia* Edwards, 1834). Type species: *Herbstia tibialis* Robineau-Desvoidy, 1851, by monotypy.

**Peribaea** Robineau-Desvoidy, 1863a: 720. Type species: *Peribaea apicalis* Robineau-Desvoidy, 1863 (= *Herbstia tibialis* Robineau-Desvoidy, 1851), by subsequent designation of Coquillett (1910: 587).

*Stroblomyia* Townsend, 1926a: 31. Type species: *Trypocera fissicornis* Strobl, 1910 (as "*Thryptocera fissicornis*") (= *Thryptocera setinervis* Thomson, 1869), by original designation.

**Peribaea orbata (Wiedemann, 1830)**

*Tachina orbata* Wiedemann, 1830: 336. Neotype female (BMNH). India (Assam: Azra).

*Gymnopareia (Actia) aegyptia* Villeneuve, 1913a: 508. Egypt (Qaliūb).

*Actia nigripes* Curran, 1927a: 6. D.R. Congo (Bas-Congo: Boma).

*Stroblomyia sororcula* Mesnil, 1954: 16. D.R. Congo (Nord-Kivu: Rutshuru).

Distribution: AF: Widespread. OR: India, Indonesia, Orien. China [see O'Hara and Cerretti 2016: 19], Malaysia, Myanmar, Philippines, Ryukyu Is., Sri Lanka,

Taiwan, Thailand. PA: Japan, Israel, North Africa, P. China. AU: Australia, Melanesia, Micronesia, N. Australasian.

Egyptian localities: Lower Nile Valley and Delta: Giza, Sidi Ghazi, Torah. Upper Nile Valley: Beni Morr (Assiout).

Dates of collection: May to August.

**Peribaea palaestina (Villeneuve, 1934)**

*Actia palaestina* Villeneuve, 1934a: 57. Holotype female (SMNS). Israel, (Rehovot [as "Rehoboth"]).

*Actia alipes* Villeneuve, 1942: 134. Egypt (Assuan [as "Assuan"]).

Distribution: AF: U.A. E., Yemen. PA: C. Asia (Kyrgyzstan, Tajikistan, Turkmenistan, Uzbekistan), China, Egypt, Iran, Israel.

Egyptian localities and dates of collection are not precisely known.

**Genus SIPHONA Meigen**

*Crocota* Meigen, 1800: 39. Name suppressed by ICZN.

**Siphona** Meigen, 1803: 281. Type species: *Musca geniculata* De Geer, 1776, by designation under the plenary powers of ICZN.

**Subgenus SIPHONA Meigen, 1803** —Nominotypical subgenus.

**Siphona (Siphona) efflatouni Mesnil, 1960**

*Siphona efflatouni* Mesnil, 1960: 188. Holotype female (CNC). Egypt (Mariout).

Distribution: PA: Egypt, Israel.

Egyptian localities: Coastal Strip: Mariout. Sinai: El-Arish. Dates of collection: March to August.

**Tribe TACHININI**

**Genus PELETERIA Robineau-Desvoidy**

**Peleteria** Robineau-Desvoidy, 1830: 39. Type species: *Peleteria abdominalis* Robineau-Desvoidy, 1830, by subsequent designation of Coquillett (1910: 586).

*Cuphocera* Macquart, 1845: 267. Type species: *Micropalpus ruficornis* Macquart, 1835, by original designation.

*Acuphocera* Townsend, 1926b: 37. Type species: *Acuphocera sumatrensis* Townsend, 1926 (= *Tachina iavana* Wiedemann, 1819), by original designation.

*Pleropeleteria* Villeneuve, 1916: 470. Type species: *Dejeania (Pleropeleteria) peringueyi* Villeneuve, 1916 (= *Tachina lithanthrax* Wiedemann, 1830), by monotypy.

*Peletieriana* Mesnil, 1970a: 951 (as subgenus of *Peleteria* Robineau-Desvoidy, 1830, as "*Peletieria*"). Type species: *Echinomyia rustica* Karsch, 1886, by original designation.

**Peleteria meridionalis (Robineau-Desvoidy, 1830)**

*Faurella meridionalis* Robineau-Desvoidy, 1830: 41. Type(s) not located. France.

*Echinomyia ruficeps* Macquart, 1845: 263. Italy.

*Peleteria vernalis* Robineau-Desvoidy, 1863: 617. France (Hyerès).

*Peleteria pedemontana* Robineau-Desvoidy, 1863: 619. Italy.

*Peleteria algira* Robineau-Desvoidy, 1863: 621. Algeria.

*Peletieria capitata* Zimin, 1961: 265. Turkmenistan (Chandyr Valley).

Distribution: PA: Algeria, Egypt, Isael, Italy, Kirghizia, Russia, Tadzhhikistan, Transcaucasia, Uzbekistan.

Egyptian localities: Coastal Strip: Alexandria, Mariout. Fayoum: ?. Lower Nile Valley and Delta: Kerdassa, Dokki, Maadi. Sinai: El-Arish. Upper Nile Valley: Assiout.

Dates of collection: November to April.

**List of doubtful taxa (*Nomina Dubia*) described from Egypt:** (see Herting and Dely-Draskovits 1993)

- *Catabucentes abdominalis* Villeneuve, 1934b: 72. Egypt (Lower Egypt).
- *Eurigaster incisus* Walker, 1871: 340. Egypt (Hot Tamanib).
- *Eurigaster leucomelas* Walker, 1871: 339. Egypt.
- *Frontina latifascia* Walker, 1871: 340. Egypt (Wadi Genneh).
- *Reaumuria olivieri* Robineau-Desvoidy, 1830: 82. Egypt.
- *Reaumuria virescens* Robineau-Desvoidy, 1863b: 741. Egypt.

## Conclusion

As a final conclusion, this catalogue treats a total of 72 tachinid species belonging to 42 genera, 15 tribes and 4 subfamilies in Egypt. Synonymies, type localities, type depositories, world distributions by biogeographic realm(s) and country, Egyptian localities and dates of collection are provided for all Egyptian taxa.

## Appendix

### Checklist of the Tachinidae of Egypt

#### Subfamily DEXIINAE

##### Tribe DEXIINI

Genus *TRIXICEPS* Villeneuve

- *Trixiceps magnipalpis* (Bezzi, 1922)

##### Tribe VORIINI

Genus *HYPOVORIA* Villeneuve

- *Hypovoria hilaris* (Villeneuve, 1913)

Genus *NANOPLAGIA* Villeneuve

- *Nanoplagia sinaica* (Villeneuve, 1909)

Genus *PERISCEPSIA* Gistel

Subgenus *PERISCEPSIA* Gistel

- *Periscepsia (Periscepsia) handlirschi* (Brauer and von Bergenstamm, 1891)

Genus *UCLESIA* Girschner

- *Uclesia petiolata* (Villeneuve, 1929)

Genus *WAGNERIA* Robineau-Desvoidy

- *Wagneria cunctans* (Meigen, 1824)

#### Subfamily EXORISTINAE

##### Tribe ERYCIINI

Genus *AMELIBAEA* Mesnil

- *Amelibaea ?signifera* (Villeneuve, 1929)

Genus *APLOMYA* Robineau-Desvoidy

- *Aplomya confinis* (Fallén, 1820)
- *Aplomya metallica* (Wiedemann, 1824)

Genus *CADURCIELLA* Villeneuve

- *Cadurciella tritaeniata* (Rondani, 1859)

Genus *CESTONIA* Rondani

- *Cestonia cineraria* Rondani, 1861
- *Cestonia rutilans* Villeneuve, 1929

Genus *CESTONIONERVA* Villeneuve

- *Cestonionerva petiolata* (Villeneuve, 1910)

Genus *DRINO* Robineau-Desvoidy

Subgenus *PALEXORISTA* Townsend

- *Drino (Palexorista) gilva* (Hartig, 1838)
- *Drino (Palexorista) imberbis* (Wiedemann, 1830)
- *Drino (Palexorista) inconspicua* (Meigen, 1830)

Subgenus *ZYGOBOTHRIA* Mik

- *Drino (Zygobothria) atropivora* (Robineau-Desvoidy, 1830)

Genus *THECOCARCELIA* Townsend

- *Thecocarcelia acutangulata* (Macquart, 1851)

##### Tribe ETHILLINI

Genus *ATYLOMYIA* Brauer

- *Atylomyia albifrons* Villeneuve, 1911

##### Tribe EXORISTINI

Genus *ALLOPROSOPAEA* Villeneuve

- *Alloprosopaea efflatouni* Villeneuve, 1923

Genus *CHAETORIA* Becker

- *Chaetoria stylata* Becker, 1908

Genus *CHETOGENA* Rondani

- *Chetogena aegyptiaca* (Villeneuve, 1923)
- *Chetogena cercosa* (Kugler, 1980)
- *Chetogena sinaica* (Villeneuve, 1909)

Genus *EXORISTA* Meigen.

Subgenus *ADENIA* Robineau-Desvoidy

- *Exorista (Adenia) rustica* (Fallén, 1810)

Subgenus *EXORISTA* Meigen

- *Exorista (Exorista) fasciata* (Fallén, 1820)
- *Exorista (Exorista) larvarum* (Linnaeus, 1758)

Subgenus *PODOTACHINA* Brauer and Bergenstamm

- *Exorista (Podotachina) sorbillans* (Wiedemann, 1830)

Subgenus *PTILOTACHINA* Brauer and Bergenstamm

- *Exorista (Ptilotachina) rutilans* Mesnil, 1970
- *Exorista (Ptilotachina) xanthaspis* (Wiedemann, 1830)

Genus *MACULOSALIA* Mesnil

- *Maculosalia maculosa* (Villeneuve, 1909)

#### Tribe GONIINI

Genus *BLEPHARELLA* Macquart

- *Blepharella versatilis* (Villeneuve, 1910)

Genus *CLEMELIS* Robineau-Desvoidy

- *Clemelis apicalis* Villeneuve, 1923

Genus *GONIA* Meigen

- *Gonia atra* Meigen, 1826
- *Gonia bimaculata* Wiedemann, 1819
- *Gonia capitata* (De Geer, 1776)
- *Gonia ornata* Meigen, 1826

Genus *MENDELSSOHNIA* Kugler

- *Mendelssohnia sinaica* Kugler, 1971

Genus *NEALSOMYIA* Mesnil

- *Nealsomyia triseriella* (Villeneuve, 1929)

Genus *PSEUDOGONIA* Brauer and Bergenstamm

- *Pseudogonia fasciata* (Wiedemann, 1819)
- *Pseudogonia rufifrons* (Wiedemann, 1830)

Genus *RAMONELLA* Kugler

- *Ramonella mesnili* (Kugler, 1980)

#### Tribe WINTHEMIINI

Genus *NEMORILLA* Rondani

- *Nemorilla floralis* (Fallén, 1810)

#### Subfamily PHASIINAE

##### Tribe CYLINDROMYIINI

Genus *BESSERIA* Robineau-Desvoidy

- *Besseria anthophila* (Loew, 1871)

Genus *CYLINDROMYIA* Meigen

- *Cylindromyia intermedia* (Meigen, 1824)
- *Cylindromyia rufipes* (Meigen, 1824)

##### Tribe LEUCOSTOMATINI

Genus *DIONOMELIA* Kugler

- *Dionomelia hennigi* Kugler, 1978

Genus *LEUCOSTOMA* Meigen

- *Leucostoma engeddense* Kugler, 1966
- *Leucostoma obsidianum* (Wiedemann, 1830)

##### Tribe PHASIINI

Genus *PHASIA* Latreille

- *Phasia pusilla* Meigen, 1824

#### Subfamily TACHININAE

##### Tribe ERNESTIINI

Genus *EURITHIA* Robineau-Desvoidy

- *Eurithia castellana* (Strobl, 1906)

Genus *LINNAEMYA* Robineau-Desvoidy

- *Linnaemya comta* (Fallén, 1810)
- *Linnaemya latigena* Kugler, 1977

- *Linnaemya petiolata* Kugler, 1971
- *Linnaemya soror* Zimin, 1954

### Tribe GRAPHOGASTRINI

Genus *PHYTOMYPTERA* Rondani

- *Phytomyptera lacteipennis* Villeneuve, 1934

### Tribe MINTHOINI

Genus *MINTHO* Robineau-Desvoidy

- *Mintho compressa* (Fabricius, 1787)

Genus *PLESINA* Meigen

- *Plesina claripennis* Mesnil, 1953
- *Plesina deserticola* Kugler, 1978

Genus *ROSSIMYIOPS* Mesnil

- *Rossimylops achilleae* (Kugler, 1972)
- *Rossimylops magnificus* (Kugler, 1972)

### Tribe SIPHONINI

Genus *ACTIA* Robineau-Desvoidy

- *Actia crassicornis* (Meigen, 1824)

Genus *PERIBAEA* Robineau-Desvoidy

- *Peribaea orbata* (Wiedemann, 1830)
- *Peribaea palaestina* (Villeneuve, 1934)

Genus *SIPHONA* Meigen

Subgenus *SIPHONA* Meigen, 1803

- *Siphona (Siphona) efflatouni* Mesnil, 1960

### Tribe TACHININI.

Genus *PELETERIA* Robineau-Desvoidy.

*Peleteria meridionalis* (Robineau-Desvoidy, 1830).

#### Abbreviations

##### List of abbreviations used throughout the catalogue

C.: Central; E.: East; Eur.: Europe; ICZN: International Commission on Zoological Nomenclature; I, Is: Island, islands; M.: Middle; N.: North; Ne.: Northeast; Nw.: Northwest; nr.: near; Pal.: Palaeartic; S.: South; St.: Saint; var.: Variety; W.: West

##### Museum abbreviations used throughout the catalogue

BMNH: Natural History Museum [formerly British Museum (Natural History)], London, United Kingdom; CNC: Canadian National Collection of Insects, Agriculture and Agri-Food Canada, Ottawa, Ontario, Canada; EFC: Collection of Entomology Department, Faculty of Science, Cairo University, Egypt (Efflatoun's collection); LSUK: Linnaean Collections, The Linnean Society of

London, London, United Kingdom; MHNL: Musée d'Histoire Naturelle de Lille, Lille, France; MNHN: Muséum National d'Histoire Naturelle, Paris, France; MRSN: Museo Regionale di Scienze Naturali, Torino [Turin], Italy; MZF: Museo Zoologico "La Specola", Firenze [Florence], Italy; MZLU: Museum of Zoology, Lund University, Lund, Sweden; NHMW: Naturhistorisches Museum Wien, Wien [Vienna], Austria; NHRS: Naturhistoriska riksmuseet [Swedish Museum of Natural History], Stockholm, Sweden; NMBA: Naturhistorisches Museum der Benediktiner-Abtei Admont, Admont, Austria; PPDD: Ministry of Agriculture Collection, Plant Protection Research Institute, Dokki, Giza, Egypt; SMF: Forschungsinstitut und Naturmuseum Senckenberg, Frankfurt am Main, Germany; SMNS: Staatliches Museum für Naturkunde, Stuttgart, Germany; TAU: Tel Aviv University, Tel Aviv, Israel; USNM: National Museum of Natural History [formerly United States National Museum], Smithsonian Institution, Washington, District of Columbia, USA; ZIN: Zoological Institute, Russian Academy of Sciences, St. Petersburg, Russia; ZMHB: Museum für Naturkunde der Humboldt-Universität zu Berlin, Berlin, Germany; ZMUC: Zoological Museum, Natural History Museum of Denmark, University of Copenhagen, Copenhagen, Denmark; ZMUH: Universität von Hamburg, Zoologisches Institut und Zoologisches Museum, Hamburg, Germany

#### Biogeographic Realm abbreviations used throughout the catalogue

AF: Afrotropical; AU: Australasian; NE: Nearctic; NT: Neotropical; OR: Oriental; PA: Palaeartic

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#### References

- Becker T (1908) Dipteren der Kanarischen Inseln. Mitt Zool Mus Berlin 4:1–180
- Becker T (1910) Dipteren aus Südarabien und von der Insel Sokotra. Kaiserl Akad Wiss Wien, Math Naturwiss Kl, Denkschr 71:131–160
- Bezzi M (1922) Contributo allo studio della fauna Libica. Ditteri di Cirenaica raccolti dal Rev Miss Don Vito Zanon Mem Soc entomol ital 1: 140–157
- Bezzi M, Lamb CG (1926) Diptera (excluding Nematocera) from the island of Rodriguez. Trans Entomol Soc Lond 58(1925):537–573
- Bigot JMF (1881) Diptères nouveaux ou peu connus. 17e partie. XXVI. Ann Soc Entomol Fr, Sér. 6 1:363–371
- Bigot JMF (1888) Enumeration des Dipteres recueillis en Tunisie dans la Mission de 1884 par M. Valery Mayet membre de la Mission de l'Exploration Scientifique de la Tunisie, et description des especes nouvelles. Exploration



- scientifique de la Tunisie, publiée sous les auspices du Ministère de l'Instruction Publique. Zoologie, p 11
- Brauer F (1893) Vorarbeiten zu einer Monographie der Muscaria schizometopa (exclusive Anthomyidae) von Prof. Dr. Fr. Brauer und Julius Edl. v. Bergenstamm. Verh k k zool-bot Ges Wien 43(Abhandlungen):447–525
- Brauer F (1898) Beiträge zur Kenntniss der Muscaria schizometopa. I. Bemerkungen zu den Originalen Exemplaren der von Bigot, Macquart und Robineau-Desvoidy beschriebenen Muscaria schizometopa aus Sammlung des Herrn G.H. Verrall. Zweite Folge. Sber Akad Wiss Wien, Abteilung I 107:493–546
- Brauer F, von Bergenstamm JE (1889) Die Zweiflügler des Kaiserlichen museums zu Wien. IV. Vorarbeiten zu einer Monographie der Muscaria schizometopa (exclusive Anthomyidae). Pars I. Denkschr Akad Wiss Wien 56(1):69–180 + 11 pls
- Brauer F, von Bergenstamm JE (1891) Die Zweiflügler des Kaiserlichen Museums zu Wien. V. Vorarbeiten zu einer Monographie der Muscaria schizometopa (exclusive Anthomyidae). Pars II. F Tempsky, Wien:142
- Brauer F, von Bergenstamm JE (1893) Die Zweiflügler des Kaiserlichen Museums zu Wien. VI. Vorarbeiten zu einer Monographie der Muscaria Schizometopa (exclusive Anthomyidae). Pars III. F Tempsky, Wien:152
- Cerretti P, Freidberg A (2009) Updated checklist of the Tachinidae of Israel. *Tachinid Times* 22:9–16
- Cerretti P, Tschorsch HP (2010) Annotated host catalogue for the Tachinidae (Diptera) of Italy. *Stutt Beitr Naturk, Serie A (Biologie)* 3:305–340
- Coquillett DW (1910) The type-species of the North American genera of Diptera. *Proc U S Natl Mus* 37(1719):499–647
- Costa OG (1844) Descrizione di dodici specie nuove dell'ordine de'Ditteri ed illustrazione di altre quattordici meno ovvie raccolte nella state del 1834. *Atti Accad Sci Napoli* 5(2):81–107
- Curran CH (1927a) New African Tachinidae. *Am Mus Novit* 258:1–20
- Curran CH (1927b) Studies in African Tachinidae (Diptera). *Bull Entomol Res* 17: 319–340
- Curran CH (1927c) Studies in African Tachinidae (Diptera). *Bull Entomol Res* 18: 103–128. <https://doi.org/10.1017/S0007485300019787>
- Curtis J (1837) British Entomology; being illustrations and descriptions of the genera of insects found in Great Britain and Ireland: containing coloured figures from nature of the most rare and beautiful species, and in many instances of the plants upon which they are found, vol 14. Privately published, London, pp 626–673
- Cuthbertson A, Munro HK (1941) Some records of tachinid parasites and their insect hosts in southern Africa. *Trans Rhodesia Sci Assoc* 38:88–118
- De Geer C (1776) Memoires pour servir a l'histoire des insectes. Tome sixieme. P. Hesselberg, Stockholm, p viii + 522
- El-Hawagry M (2015) Catalogue of Superfamily Asiloidea. *Lap Lambert Academic Publishing, Saarbrücken*, p 196
- El-Hawagry M (2017) Catalogue of Egyptian Tephritoidea (Diptera: Schizophora: Acalyptratae). *Zootaxa* 4299(2):151–190. <https://doi.org/10.11646/zootaxa.4299.2.1>
- El-Hawagry M, Gilbert F (2014) Zoogeographical affinities and faunal relationships of bee flies (Diptera: Bombyliidae) in Egypt. *Zool Middle East* 60(1):50–56. <https://doi.org/10.1080/09397140.2014.892339>
- Enderlein G (1934) Entomologische Ergebnisse der Deutsch-Russischen alai-Pamir-expedition 1928 (III). I. Diptera. *Dtsch Entomol Z* 1933:129–146
- Enderlein G (1937) Dipterologica. IV. Sitz. Ges Nat Freunde Berlin 1936(3):431–443
- Fabricius JC (1787) Mantissa insectorum sistens species nuper detectas adiectis synonymis, observationibus, descriptionibus, emendationibus, vol 2, Hafniae, Impensis C. G. Proft (= Copenhagen, Denmark), p 382
- Fallén CF (1810) Försök att bestämma de i Sverige funne flugarter, som kunna föras till släktet *Tachina*. *K Svenska Vetensk Akad Handl*, Ser. 2 31:253–287
- Fallén CF (1820a) Monographia Muscidum Sveciae. [part I]. Berlingianis, Lundae [= Lund], pp 1–12
- Fallén CF (1820b) Monographia Muscidum Sveciae. [part III]. Berlingianis, Lundae [= Lund], pp 25–40
- Girschner E (1887) Die europäischen Arten der Dipterengattung Alophora. *Zeitsch Ges Naturwiss* 60:375–426
- Girschner E (1901) Ueber eine neue Tachinide und die Scutellarbeborstung der Musciden. *Wien Entomol Zeit* 20:69–72
- Gistel J (1848) Naturgeschichte des Thierreichs. Für höhere Schulen. R. Hoffmann, Stuttgart, p xvi + 216
- Hartig T (1838) Über die parasitischen Zweiflügler des Waldes. *Jber Fortschr forsiwiss Forst Naturk* 1:275–306
- Hermann F, Villeneuve J (1909) Diptera. Aus der Sinaihalbinsel. In: Kneucker A (ed) *Zoologische Ergebnisse zweier in den Jahren 1902 und 1904 durch die Sinaihalbinsel unternommener botanischer Studienreisen nebst zoologischen Beobachtungen aus Ägypten, Palästina und Syrien*, pp 147–159 *Verh. naturw. Ver. Karlsruhe*, 21: 79–165
- Herting B (1984) Catalogue of Palearctic Tachinidae (Diptera). *Stuttg Beitr Naturk, Serie A (Biologie)* 369:1–228
- Herting B, Dely-Draskovits Á (1993) Family Tachinidae, pp. 118–458. In: Soós Á, Papp L (eds) *Catalogue of Palearctic Diptera. Volume 13. Anthomyiidae—Tachinidae*. Hungarian Natural History Museum, Budapest, p 624
- ICZN (1963) International Commission on Zoological Nomenclature. Opinion 678. The suppression under the Plenary Powers of the pamphlet published by Meigen, 1800. *Bull Zool Nom* 20: 339–342.
- ICZN (1999) International code of zoological nomenclature (4 ed). International Trust for Zoological Nomenclature, London. <http://www.nhm.ac.uk/hostedsites/iczn/code/>.
- Irwin ME, Schlinger EI, Thompson FC (2003) Diptera, true flies. In: Goodman SM, Benstead JP (eds) *The natural history of Madagascar*. The University of Chicago Press, Chicago, pp 692–698
- Kugler J (1966) Species of the genus *Leucostoma* (Tachinidae, Phasiinae) in Israel. *Isr J Zool* 15:173–182
- Kugler J (1971) Tachinidae of Israel. IV. Description of ten new species. *Isr J Zool* 20:69–88
- Kugler J (1972) Tachinidae of Israel, V. *Mesnilomyia* and *Palmonia*, two new genera of Tachinidae (Diptera). *Isr J Zool* 21:103–112
- Kugler J (1977) Neue Tachinidae aus Israel (Diptera). *Stuttg Beitr Naturk, Serie A (Biologie)* 301:1–14
- Kugler J (1978a) A revision of the tachinid fly genus *Plesina* (Diptera: Tachinidae). *Entomol Ger* 4:84–96
- Kugler J (1978b) *Leucostoma edentata* n. sp. and *Dionomelia hennigi* n. gen., n. sp., two new Leucostomatini from Israel (Diptera: Tachinidae: Phasiinae). *Entomol Ger* 4:344–348
- Kugler J (1980a) New taxa of Tachinidae (Diptera) with a list of the species from Israel and adjacent territories. *Isr J Zool* 13(1979):27–60
- Kugler J (1980b) A new name to replace *Ramona* Kugler, 1980 (Diptera: Tachinidae). *Isr J Zool* 14:67
- Latreille PA (1804) Tableau méthodique des insectes. In: Société de Naturalistes et d'Agriculteurs, nouveau dictionnaire d'histoire naturelle, appliquée aux arts, principalement à l'agriculture et à l'économie rurale et domestique. Pp. 129–200. Tome XXIV [Section 3]: Tableaux méthodiques d'histoire naturelle. Déterville, Paris, p 84 + 4 + 85 + 238 + 18 + 34
- Latreille PA (1805) Histoire naturelle, générale et particulière, des crustacés et des insectes. Ouvrage faisant suite aux oeuvres de Leclerc de Buffon, et partie du cours complet d'histoire naturelle rédigé par C.S. Sonnini, membre de plusieurs Sociétés savantes. Tome quatorzième. F. Dufart, Paris, p 432
- Linnaeus C (1758) *Systema naturae per regna tria naturae, secundum classes, ordines, genera, species, cum caracteribus, differentiis, synonymis, locis*, vol 1, 10th edn. L. Salvii, Holmiae [= Stockholm], p 824
- Lioy P (1864) I ditteri distribuiti secondo un nuovo metodo di classificazione naturale. *Atti Ist veneto Sci*, Ser. 3 9:1311–1352
- Loew H (1844) Zur Kenntnis der Ocyptera-Arten. *Stettin Entomol Zeit* 5:226–240 266–269
- Loew H (1845) Noch einige Bemerkungen über die Gattung Ocyptera. *Stettin Entomol Zeit* 6:170–183
- Loew H (1852) Bericht über die zur Bekanntmachung geeigneten Verhandlungen der Königl. Preufs. Akad Wiss Berlin 1852:658–661
- Loew H (1871) Beschreibung europäischer Dipteren. Zweiter Band. Systematische Beschreibung der bekannten europäischen zweiflügeligen Insecten. Von Johann Wilhelm Meigen. Neunter Theil oder dritter Supplementband. H.W. Schmidt, Halle, p viii + 319
- Macquart J (1834) Insectes diptères du nord de la France. Athéricères: créophiles, oestridentes, myopaires, conopaires, scénopiniens, céphalopsides. *Mem Soc Sci Agric Lille* 1833:137–368
- Macquart J (1845) Nouvelles observations sur les insectes diptères de la tribu des tachinaires. *Ann Soc Entomol Fr, Sér. 2* 3:237–296
- Macquart J (1848) Nouvelles observations sur les diptères d'Europe de la tribu des tachinaires. (Suite) *Ann Soc Entomol Fr, Sér. 2* 6:85–138
- Macquart J (1851a) Nouvelles observations sur les diptères d'Europe de la tribu des tachinaires. Suite. *Ann Soc Entomol Fr, Sér 2* 8(1850):437–492
- Macquart J (1851b) Diptères exotiques nouveaux ou peu connus. Suite du 4.E supplément publié dans les Mémoires de 1849. *Mem Soc Sci Agric Lille* 1850:134–294
- Macquart PJM (1849) Huitième ordre. Les Diptères. In: Exploration scientifique de l'Algérie pendant les années 1840, 1841, 1842. Lucas, P. H. (Ed). *Sciences physiques, Zoologie III. Histoire naturelle des animaux articulés*. Troisième partie. Insectes. Bertrand, Paris, pp 1–527

- Macquart PJM (1850) Nouvelles observations sur les dipteres d'Europe de la tribu des Tachinaires (suite) [concl.] Ann Soc Entomol Fr, Sér 2 7(1849):357–418
- Meigen JW (1800) Nouvelle classification des mouches à deux ailes (Diptera L.) d'après un plan tout nouveau. JJ. Fuchs, Paris, p 40
- Meigen JW (1803) Versuch einer neuen Gattungseintheilung der europäischen zweiflügeligen Insekten. Mag Insekt 2:259–281
- Meigen JW (1824) Systematische Beschreibung der bekannten europäischen zweiflügeligen Insekten. Vierter Theil. Schulz-Wundermann, Hamm, p xii + 428
- Meigen JW (1826) Systematische Beschreibung der bekannten europäischen zweiflügeligen Insekten. Fünfter Theil. Schulz, Hamm, p xii + 412
- Meigen JW (1830) Systematische Beschreibung der bekannten europäischen zweiflügeligen Insekten. Sechster Theil. Schulz, Hamm, p xi + 401
- Meigen JW (1838) Systematische Beschreibung der bekannten europäischen zweiflügeligen Insekten. Siebenter Theil oder Supplementband. Schulz, Hamm, p xii + 434
- Mesnil LP (1939) Essai sur les tachinaires (Larvaevoridae). Monogr Cent Nat Rech Agron 7:1–67
- Mesnil LP (1946) Revision des Phorocerini de l'Ancien Monde (Larvaevoridae). Encyc Entomol Série B Mémoires et Notes II Diptera 10:37–80
- Mesnil LP (1949) Essai de révision des espèces du genre *Drino* Robineau-Desvoidy Sturmiiinae a oeufs macrotypes. Bull Insti R Sci Nat Belg 25(42):1–38
- Mesnil LP (1953a) A new tachinid parasite of an embiopteran. Proc R Entomol Soc Lond Series B Taxonomy 22:145–146
- Mesnil LP (1953b) Nouveaux tachinaires d'Orient. (1re partie). Bull Insti R Sci Nat Belg 89:85–114
- Mesnil LP (1954) Genres *Actia* Robineau-Desvoidy et voisins (Diptera Brachycera Calyptratae). Exploration du Parc National Albert, Mission GF de Witte (1933–1935) 81:1–41
- Mesnil LP (1955) 64g. Larvaevorinae (Tachininae). Flieg Palaearkt Reg 10(Lieferung 186):417–464
- Mesnil LP (1956) 64g. Larvaevorinae (Tachininae). Flieg Palaearkt Reg 10(Lieferung 192):513–554
- Mesnil LP (1960) Note préliminaire sur les *Siphona* Meig. (Dipt. Tachinidae) d'Europe et du bassin méditerranéen. Bull Ann Soc R Entomol Belg 96:187–192
- Mesnil LP (1962) 64g. Larvaevorinae (Tachininae). Flieg Palaearkt Reg 10(Lieferung 224):753–800
- Mesnil LP (1970a) 64g. Larvaevorinae (Tachininae). Flieg Palaearkt Reg 10(Lieferung 281):1–1435
- Mesnil LP (1970b) Description de nouveaux tachinaires de l'Ancien Monde, et notes synonymiques (Diptera, Tachinidae). Mushi 44:89–123
- Mik J (1891) Dipterologische Miscellen. XIX. Wien Entomol Zeit 10:189–194
- O'Hara JE (2008) Tachinid flies (Diptera: Tachinidae). In: Capinera JL (ed) Encyclopedia of Entomology, 2nd edn. Springer, Dordrecht, pp 3675–3686
- O'Hara JE (2009) Resurrection of the name *Pachycheta* Portschinsky for a genus of Tachinidae (Diptera). Zootaxa 1989:66–68
- O'Hara JE (2013) History of tachinid classification (Diptera, Tachinidae). ZooKeys 316:1–34
- O'Hara JE (2016) World genera of the Tachinidae (Diptera) and their regional occurrence. Version 9.0. PDF document, 93 pp. Available from: [http://www.nadsdiptera.org/Tach/WorldTachs/Genera/Gentach\\_ver9.pdf](http://www.nadsdiptera.org/Tach/WorldTachs/Genera/Gentach_ver9.pdf). Accessed 12 Feb 2018
- O'Hara JE, Cerretti P (2016) Annotated catalogue of the Tachinidae (Insecta, Diptera) of the Afrotropical region, with the description of seven new genera. ZooKeys 575:1–344. <https://doi.org/10.3897/zookeys.575.6072>
- O'Hara JE, Shima H, Zhang C (2009) Annotated catalogue of the Tachinidae (Insecta: Diptera) of China. Zootaxa 2190:1–236
- Pape T, Blagoderov V, Mostovski MB (2011) Order Diptera Linnaeus, 1758. In: Zhang, Z.Q. (Ed.), animal biodiversity: an outline of higher-level classification and survey of taxonomic richness. Zootaxa 3148:222–229
- Pape T, Thompson FC (2017) Systema Dipterorum. Version 2.0. Available from: <http://www.diptera.org/>. Accessed 1 Dec 2017
- Peris E (1847) Lettre de M. Edouard Peris a M. M sur une excursion dans les Grandes Landes. Mem Acad Sci Belles-Lett Lyon 2:433–506
- Peris E (1852) Seconde excursion dans les Grandes-Landes. Ann Soc Linn Lyon 1850/1852:145–216
- Richter VA (2001) A new genus and species of tachinid flies (Diptera: Tachinidae) from Iran. Int J Dipterol Res 12:25–28
- Robineau-Desvoidy JB (1830) Essai sur les myodaires. Mém. prés. div. Sav Acad Sci Inst Fr, Sér. 2 2:1–813
- Robineau-Desvoidy JB (1844) Études sur les myodaires des environs de Paris. Ann Soc Entomol Fr, Sér. 2 2:5–38
- Robineau-Desvoidy JB (1850) Myodaires des environs de Paris. Ann Soc Entomol Fr, Sér. 2 8:183–209
- Robineau-Desvoidy JB (1851) Myodaires des environs de Paris. Ann Soc Entomol Fr, Sér. 2 9:177–190
- Robineau-Desvoidy JB (1853) Sur les eclosions de plusieurs especes de Dipteres, obtenues par le docteur Moret, Medicin a Auxerre. Bull Soc Sci Hist Nat Yonne 7:531–536
- Robineau-Desvoidy JB (1863a) Histoire naturelle des diptères des environs de Paris. Tome premier. V. Masson et fils, Paris; F. Wagner, Leipzig, and Williams and Norgate, London, p 1143
- Robineau-Desvoidy JB (1863b). Histoire naturelle des diptères des environs de Paris. Tome second. Victor Masson et fils, Paris; Franz Wagner, Leipzig, and Williams and Norgate, London, p 920
- Rohdendorf BB (1924) Eine neue Tachiniden-Gattung aus Turkestan. Zool Anz 58:228–231
- Rohdendorf BB (1928) Beiträge zur Kenntnis der *Salmacia*- (*Gonia*-) Gruppe. (Diptera, Tachinidae). Zool Anz 78:97–102
- Rohdendorf BB (1931) Records of Tachinidae (Larvaevoridae), with new African species (Dipt.) Ann Mag Nat Hist, Ser. 10 8:347–351
- Rondani C (1845) Descrizione di due generi nuovi di insetti ditteri. Memoria duodecima per servire alla ditterologia italiana. Nuovi Ann Sci Nat Bologna, Ser. 3 225–36
- Rondani C (1850) Osservazioni sopra alcune specie di esapodi ditteri del Museo Torinese. Nuovi Ann Sci Nat Bologna, Ser. 3 2:165–197
- Rondani C (1856) Dipterologiae Italicae prodromus. Vol: I. Genera Italica ordinis Dipterorum ordinatim disposita et distincta et in familias et stirpes aggregata. A. Stocchi [as "Stocchij"], Parmae [= Parma], p 226
- Rondani C (1859) Dipterologiae Italicae prodromus. Vol: III. Species Italicae ordinis Dipterorum in genera characteribus definita, ordinatim collectae, methodo analitica distinctae, et novis vel minus cognitis descriptis. Pars secunda. Muscidae. Siphoninae et (partim) Tachininae. A. Stocchi, Parmae [= Parma], p 243
- Rondani C (1861a) Dipterologiae Italicae prodromus. Vol. IV. Species Italicae ordinis Dipterorum in genera characteribus definita, ordinatim collectae, methodo analitica distinctae, et novis vel minus cognitis descriptis. Pars tertia. Muscidae. Tachinarum complementum. A. Stocchi, Parmae [= Parma], p 174
- Rondani C (1861b) Species europeae generis Phasiae Latreillei observatae et distinctae. Atti Soc Ital Sci Nat Mus Civ Stor Nat Milano 3:205–220
- Rondani C (1865) Diptera Italica non vel minus cognita descripta vel annotata observationibus nonnullis additis. Fasc. II. Muscidae. Atti Soc Ital Sci. Nat Mus Civ Stor Nat Milano 8:193–231
- Sabrosky CW, Arnaud PH Jr (1965) Family Tachinidae (Larvaevoridae). In: Stone A, Sabrosky CW, Wirth WW, Foote RH, Coulson JR (eds) A catalog of the Diptera of America north of Mexico. United States Department of Agriculture, pp 961–1108 Agriculture Handbook 276. iv + 1696 pp
- Speiser P (1910) Cyclorapha, Aschiza. In: Sjöstedt Y (ed) Wissenschaftliche Ergebnisse der schwedischen zoologischen expedition nach dem Kilimandjaro, dem Meru und den umgebenden Massaiesteppen, pp 113–198 Deutsch-Ostafrikas 1905–1906 unter Leitung von Prof. Dr. Yngve Sjöstedt. 2. Band [Abteilung] 10 (Diptera). P. Palmquist, Stockholm. 202 pp
- Steyskal GC, El-Bialy S (1967) A list of Egyptian Diptera with a bibliography and key to families. Min Agric Tech Bull 3:12–18
- Stireman JO, O'Hara JE, Wood DM (2006) Tachinidae: evolution, behavior, and ecology. Annu Rev Entomol 51:525–555
- Strobl G (1906) Spanische Dipteren. II. Beitrag. Mem Real Soc Esp Hist Nat 3(1905):271–422
- Tooker JF, Hauser M, Hanks LM (2006) Floral host plants of Syrphidae and Tachinidae (Diptera) of Central Illinois. Ann Entomol Soc Am 99(1):96–112
- Townsend CHT (1912) A readjustment of muscoid names. Proc Entomol Soc Wash 14:45–53
- Townsend CHT (1916) Designations of muscoid genotypes, with new genera and species. Insector Inscit Menstr 4:4–12
- Townsend CHT (1921) Some new muscoid genera ancient and recent. Insector Inscit Menstr 9:132–134
- Townsend CHT (1926a) New Holarctic Muscoidea (Diptera). Insector Inscit. Menstr 14:24–41
- Townsend CHT (1926b) Fauna sumatrensis. (Beitrag Nr. 25). Diptera Muscoidea II. Suppl Ent 14:14–42
- Townsend CHT (1927) Fauna sumatrensis. (Beitrag Nr. 50). Diptera Muscoidea III. Suppl Ent 16:56–76
- Townsend CHT (1932) Notes on old-world oestromuscoid types. Part II. Ann Mag Nat Hist, Ser. 10 9:33–57
- Townsend CHT (1933) New genera and species of old world oestromuscoid flies. J NY Entomol Soc 40(1932):439–479

- van der Wulp FM (1893) Eenige Javaansche Tachininen. Tijdschr Entomol 36:159–188
- Verbeke J (1970) In: Hanström B (ed) *Diptera (Brachycera): Tachinidae (excl. Siphonina)*. South African animal life. Results of the Lund University expedition in 1950–1951. Almqvist & Wiksell. the University of California, USA.
- Villeneuve J (1911) Notes diptérologiques. Wien Entomol Zeit 30:84–87
- Villeneuve J (1913a) Diptères nouveaux du Nord Africain. Deuxième note. Bull Mus Hist Nat, Paris 18(1912):505–511
- Villeneuve J (1913b) Myodaires supérieurs de l'Afrique tropicale (1re liste). Rev Zool Afr 3:24–46
- Villeneuve J (1916) A contribution to the study of the south African higher Myodarii (Diptera Calypterae) based mostly on the material in the south African museum. Ann South Afr Museum 15:469–515
- Villeneuve J (1920) Étude de quelques myodaires supérieurs (recueillis par le Dr Brauns, à Willowmore, Cap). Rev Zool Afr 8:151–162
- Villeneuve J (1923) Myodaires supérieurs d'Égypte inédits (Dipt.) Bull Soc Royale Entomol Égypte 7(1922):88–94
- Villeneuve J (1927) Tachinides nouveaux de Formose et du Congo. Rev Zool Afr 15:217–224
- Villeneuve J (1929a) Descriptions de diptères égyptiens. Bull Soc Royale Entomol Égypte 12(1928):43–46
- Villeneuve J (1929b) Diagnoses de myodaires supérieurs inédits. Bull Ann Soc Entomol Belg 69:99–102
- Villeneuve J (1929c) Propos diptérologiques. Bull Ann Soc Entomol Belg 69:181–187
- Villeneuve J (1934a) Myodaires supérieurs peu connus ou inédits de la Palestine. Konowia 13:54–57
- Villeneuve J (1934b) Myodaires supérieurs inédits d'Afrique. Rev Zool Bot Afr 26: 68–72
- Villeneuve J (1936) Description de deux myodaires supérieurs (Diptera: Trixiini ou Dexiinae?). Bull Soc R Entomol Égypte 20:329–331
- Villeneuve J (1937) Notes diptérologiques. Bull Ann Soc Entomol Belg 77:404–408
- Villeneuve J (1939) Présentation de quelques myodaires supérieurs inédits. Bull Ann Soc Entomol Belg 79:347–354
- Villeneuve J (1942) Espèces inédites de la famille des Larvaevoridae (Dipt.) Bull Soc Entomol Fr 47:133–135
- Walker F (1849) List of the specimens of dipterous insects in the collection of the British Museum. Part IV, British Museum (Natural History), London, pp 689–1172
- Walker F (1853) *Insecta Britannica. Diptera*, vol II. Lovell Reeve, London, p vi + 297
- Walker F (1871) List of Diptera collected in Egypt and Arabia, by J. K. Lord, Esq., with descriptions of the species new to science. Entomologiste 5:255–263
- Westwood JO (1840) Order XIII. Diptera Aristotle. (Antliata Fabricius. Halteriptera Clairv.), pp. 125–154. In: Synopsis of the genera of British insects, p 158
- Wiedemann CRW (1819) Beschreibung neuer Zweiflügler aus Ostindien und Afrika. Zool Mag 1(3):1–39
- Wiedemann CRW (1824) Munus rectoris in Academia Christiana Albertina aditurus analecta entomologica ex Museo Regio Havniensi, Eregio typographeo scholarum, Kiliae [= Kiel], p 60
- Wiedemann CRW (1830) Aussereuropäische zweiflügelige Insekten. Als Fortsetzung des Meigenschen Werkes. Zweiter Theil. Schulz, Hamm, p xii + 684
- Zeller PC (1842) Diptero-logische Beytrage. Zweyte Abtheilung. Isis (Oken's), 1842, pp 807–847
- Zetterstedt JW (1844) *Diptera Scandinaviae. Disposita et descripta. Tomus tertius. Officina Lundbergiana, Lundae [= Lund]*, pp 895–1280
- Zetterstedt JW (1859) *Diptera Scandinaviae. Disposita et descripta, vol 13. Officina Lundbergiana, Lundae [= Lund]*, pp 4943–6190
- Zimin LS (1954) Species of the genus *Linnaemyia* Rob.-Desv. (Diptera, Larvaevoridae) in the fauna of the USSR. Trudy Bot Inst Akad Nauk SSSR 15: 258–282
- Zimin LS (1961) A review of the Palaearctic genera and species of the subtribe Peletieriina (Diptera, Larvaevoridae). Trudy Vses Entomol Obsch 48:230–334

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