

EFFLATOUNIA

SPECIAL ISSUE

Catalogue of Superfamily Asiloidea (Diptera: Brachycera) of Egypt

Magdi Shaaban Ali El-Hawagry



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Taha T.M. Bassal (Founder)

Catalogue of Superfamily Asiloidea (Diptera: Brachycera) of Egypt

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Manuscript: Authors are requested to submit a copy of the manuscript and figures to email: tahabasal@gmail.com. Papers should be in English and be original contributions to the field of entomology. A Microsoft word file should be submitted. The corresponding author should be identified (including an E mail address).

Title: Use a brief and informative title that includes order and family names in parentheses.

Abstract: Abstract should be an informative digest of the significant contents and the main conclusions of the research. It should not exceed 200 words.

Text: It is recommended that the manuscript contains the following items: Introduction, Materials and Methods, Results and Discussion, and References. Acknowledgements, and references to grants, if any, come directly at the end of the Discussion, separated from the latter with a clear distance. The Latin names should be given for all species referred to in the investigations.

References: Citations in the text should be by last name of the author and date [e.g. (Wigglesworth, 1972) – (Chapman and Bernays, 1980) – (Dorrah *et al.*, 2001)] and refer to a reference listed alphabetically by author in References. The full title of the paper in references must be given, together with first and last pages. Titles of books should be written in italics. References should be given in the following form:

Dorrah, MA, and Ayaad, T.H. (2004). Localization, purification, and *n* terminal amino acid sequence of prophenoloxidase of *Parasarcophaga surcoufi* prepupae (Diptera: Sarcophagidae). *Efflatounia*, 4: 1-8.

Bassal, T.T.M. (1986). Some aspects of carbohydrate biochemistry in ticks. In: *Morphology, Physiology, and Behavioral Biology of Ticks* (Sauer, JR., and Hair, JR., Eds): 280-298. Ellis Horwood Limited, Chichester.

Rehcgil, JE., and Rehcgil, N.A. (2000). *Biological and Biotechnological Control of Insect Pests*. Lewis Publishers, London.

Units and quantities: SI units should be used. Numbers preceding units should be written in arabic numerals; when at beginning of a sentence they should be spelt out.

Tables: Tables should be numbered consecutively, given a suitable caption, and should be self explanatory. Tables should not duplicate results presented elsewhere in the manuscript (*e.g.* in graphs).

Illustrations: Symbols should be large enough to be seen on reduction and explained in the provided legend. Photographs should be well contrasted.

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INTRODUCTION

Diptera, or flies as they are commonly called, comprise a diverse assemblage of insects in Egypt. Steyskal and El Bialy (1967) listed 1339 fly species belonging to 64 families from the Egyptian fauna. In addition, there are many other species that have been recorded and described from Egypt since 1967. The majority of these flies are either flower lovers, feeding upon nectar, etc., or frequent decaying organic matter of various kinds. Although these two habits predominate, a considerable number of flies are predacious or parasitic and live on or in various insects which form their prey or hosts, consequently they have potential as biological control agents. Additionally there are other flies which have acquired blood sucking habits and may transmit the pathogenic organisms of some virulent diseases.

Despite its importance as the only work compiling all the Egyptian Diptera, the list of Steyskal and El Bialy (1967) included merely the names of families and their species and subspecies without taking into account suprageneric groups such as subfamilies, tribes, etc. Also, it did not refer to other important data such as those of original descriptions, depositories, type localities, synonyms, world and local distributions, etc.

The present work provides a catalogue of asiloid flies (superfamily: Asiloidea) in Egypt, which comprise more than a quarter of the total number of Egyptian fly species.

Asiloidea likely originated close to 200 million years ago (Wiegmann *et al.*, 2003). It is a very large cosmopolitan superfamily of Diptera. Its flies are generally large, showy flower visitors as adults and almost exclusively substrate dwelling predators as larvae. Two of the largest families are significant exceptions to this rule: the larvae of Bombyliidae or bee flies, are insect parasitoids, and Asilidae, also known as robber flies, prey on insects as adults. Asiloid flies are distributed worldwide, with their greatest diversity occurring in arid, sandy areas (Trautwein, 2009).

In recent years, there have been several significant studies of the superfamily Asiloidea that have addressed some long standing phylogenetic questions (Trautwein, 2009). The interrelationships of asiloid families are largely unconfirmed, and the evidence that they all share a recent common ancestor is tenuous (Woodley, 1989; Yeates, 1994). The actual sister group of Asiloidea is unknown, but their close relationship to Eremoneura (Empidoidea + Cyclorrhapha) has been

established along with evidence that they may have diverged at a similar time (Wiegmann *et al.*, 2003). Trautwein *et al.* (2010) considered Asiloidea to be the closest relative to the large Metazoan radiation Eremoneura (Cyclorrhapha + Empidoidea). They stated that evidence for asiloid monophyly is limited, and few characters define the relationships between the families of Asiloidea and Eremoneura.

In the present catalogue I follow the studies suggesting that Asiloidea includes ten families: Asilidae, Bombyliidae, Mydidae, Mythicomyiidae, Scenopinidae, Therevidae, Apsilocephalidae, Apioceridae, Evocoidae, and Hilarimorphidae. Only the first six families are represented in Egypt.

Biogeographic remarks:

The position of Egypt amongst the faunal regions of the world is a rather anomalous one, since it combines the characteristics of both Palaearctic and Afrotropical regions. It has generally been considered to belong to the Palaearctic, but there is evidence that the Afrotropical influence is much greater than usually thought (Steyskal and El Bialy, 1967). The Afrotropical region has its northern limits at Gebel Elba which is currently politically controlled by Egypt, but disputed with Sudan. It is a “mist oasis” where much of the precipitation is contributed in the form of dew, mist and clouds, creating a unique ecosystem and a biological diversity not found anywhere else in Egypt.

Egypt, as a whole, is a part of the Great Desert Belt, and is characterized by a warm and almost rainless climate. Only the Coastal Strip, Eastern Desert, Gebel Elba, and higher parts of the southern Sinai mountains receive comparatively higher rainfall. This is reflected in their floral and faunal composition, and may explain their higher bee fly species diversity than in the other ecological zones of Egypt.

Ecologists divide Egypt into eight ecological zones namely: Coastal Strip, Lower Nile Valley (including the Delta), Upper Nile Valley, Fayoum Basin, Eastern Desert, Western Desert, Sinai, and Gebel Elba (Fig. 1) (Larsen, 1990). In the present study, the Upper Nile Valley is taken to begin south of Giza province, not at Assiout as some ecologists considered (El Hawagry, 2002a).

Efflatoun Bey and his co workers recorded many bee fly species from localities in the neighborhood of Cairo such as Abu Rawash, Kirdassa, Kafr Hakim, Kafr Eldems (=Mansheyet Radwan), Borgash, Mansouriah, Mazghouna, Sakkara, etc.; he also recorded many species from Mariout district on the Coastal Strip. However, many of these species have disappeared from these localities because of severe

changes in the floral and faunal composition during the last 50 years. These changes may be attributed to urbanization or modern agricultural activities in these localities.

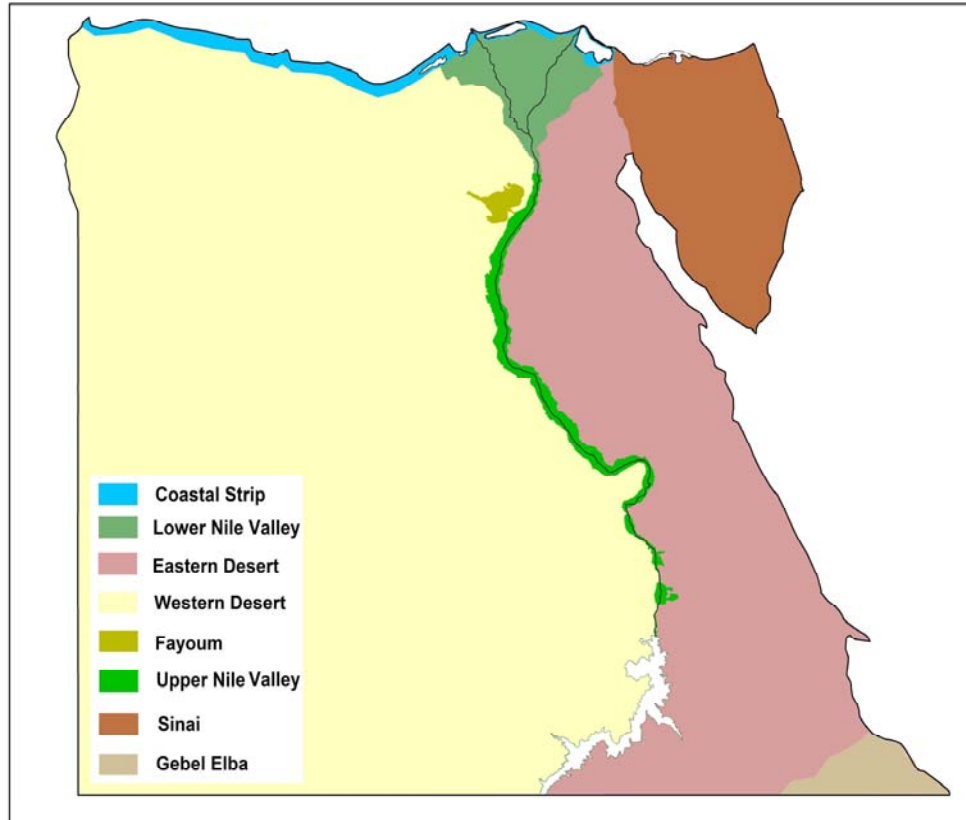


Fig. 1: Map of Egypt showing the ecological zones

MATERIAL AND METHODS

Data for the present study was gathered from specimens preserved in the Egyptian insect collections, in addition to specimens have been collected from different Egyptian localities, from 1991 to 2010, by the author. A great deal of information are also taken from literature and website databases. The most important literature reviewed are: Efflatoun (1934 & 1937) and Geller Grimm (2004) [for Asilidae], Efflatoun (1945) and Evenhuis & Greathead (1999) [for Bombyliidae], Hassan & El Hawagry (2001) [for Scenopinidae], Evenhuis (2002) [for Mythicomyiidae], and Steyskal & El Bialy (1967) [for all families]. The following websites have been checked out as well:

<http://www.mydidae.tdvia.de/> [for Mydidae],

<http://www.inhs.uiuc.edu/research/mandala/TherevidWebMandala.html> [for Therevidae],

<http://www.cdfa.ca.gov/phpps/ppd/entomology/scenopinidae.html#Scenopinus> [for Scenopinidae],

<http://www.geller-grimm.de/asilidae.htm> [for Asilidae],

<http://www.sel.barc.usda.gov/diptera/> [for all families].

Scope:

This catalogue includes all names of taxa, taxonomically valid and invalid, of the superfamily Asiloidea occurring in Egypt.

Arrangement of taxa:

Families are arranged alphabetically, while suprageneric taxa (subfamilies and tribes) are arranged in a systematic order following the classification of the world catalogues wherever possible.

Names of valid genera are listed alphabetically within subfamilies and valid subgenera are listed alphabetically within genera. Valid species are listed alphabetically within genera or subgenera, and valid subspecies are listed alphabetically within species.

Synonyms including all available and unavailable names are listed chronologically, and variant spellings (termed “errors”, “incorrect spellings” and “misspellings”) are listed at the end of the synonyms.

Typographical treatment of names:

Genus group and suprageneric headings are centered and written in boldface Roman uppercase letters, with authorship written in roman lowercase letters except the first letter which is written uppercase. Species group headings are left justified and written in boldface

italicized lowercase letters except the first letter which is written uppercase.

Taxonomically valid genus group names are listed again in boldface italicized lowercase letters (except the first uppercase letter) and left justified under the headings followed by the reference including author, year, and page. Taxonomically valid species group names combined with their original genera are listed again in italicized lowercase letters (except the first uppercase letter) and left justified under the headings followed by the reference including author, year, and page.

For each genus and species group name, associated synonyms are listed below the main name in chronological order. They are written in italicized lowercase letters (except the first uppercase letter).

Type localities:

The countries and islands are listed according to the type localities given in the original descriptions. Some countries and islands are 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 broken down to “smaller sublocalities”. These “smaller sublocalities” are written after a colon following the sublocality, e.g., “Egypt (Sinai: Wadi El Lega)”.

If the type locality was not given in the original description or in any other part of the original work, the term “Not given” is used.

Type depositories:

Egyptian asiloid flies have been examined in the main Egyptian insect collections to ascertain the existence of the types and their depositories in these collections. The form of citation is an indication of the rank of type that currently exists (e.g., syntype, holotype, lectotype, etc.) and the location of the type specimen(s) in Egyptian collections. All these information are given in closed brackets, e.g., “[1S in CUE; 2S in ESEC]”. Clarification of certain destroyed or damaged types and other notes are given in parenthesis for selected species following the rank of type, e.g., “[1S (destroyed) in ESEC]”. If a lectotype has been previously designated, the citation referring to such a designation is also given following the rank of type, e.g., “[L & 33PL designated by El Hawagry (2008: 219, 220) in CUE]”.

Abbreviations used for types:

H= holotype

L= lectotype

PL = paralectotype
S = syntype(s)
T = type (status not ascertained)
C = cotype

Abbreviations for Egyptian insect collections:

CUE = Collection of Efflatoun Bey, Entomology Department, Faculty of Science, Cairo University, Cairo, Egypt.

ESEC = Collection of Entomological Society of Egypt, Ramses Street, Cairo, Egypt.

ASUC = Collection of Entomology Department, Faculty of Science, Ain Shams University, Abbassia, Cairo, Egypt.

Distribution:

Complete distributional information as is known from the literature is listed in alphabetical order. Localities preceded by a question mark (?) are considered questionable for purposes of this catalogue.

The following abbreviations are used in the geographical treatment of the catalogue:

AF = Afrotropical
AU = Australasian/Oceanian
NEA = Nearctic
OR = Oriental
PA = Palaearctic

Gebel Elba, the south eastern triangle of Egypt, is considered as the northern limit of the Afrotropical region. It is placed in closed brackets after the country name "Egypt" and listed as Afrotropical, e.g., " AF: Egypt [as "Gebel Elba"]". While other regions of Egypt are listed as Palaearctic, e.g., "PA: Egypt".

Egyptian localities and dates of collection:

The Egyptian localities and dates of collection map a picture for the distribution and activity periods of flies 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., " Lower Nile Valley: Abu Rawash, Kafr Hakim, Kirdassa". Data from specimens preserved in the Egyptian insect collections and literature records, in addition to specimens collected from different Egyptian localities, from 1991 to 2010, by the author are the main sources for this part of the catalogue.

If the Egyptian localities or dates of collection were not known from the literature or from the specimens deposited in the collections or collected by the author, the term “Unknown” is used.

Literature cited:

The bibliography in the last chapter gives full references to all works cited in the catalogue. References are cited chronologically for multiple articles with the same authorship. In cases where more than one article was published by an author(s) in the same year, a suffix letter is put following the year (letters listed alphabetically according to publication chronology).

Journals are abbreviated according to the Serial Sources for the BIOSIS database, Biosciences Information Service, and the International Standard (ISO), or on the same principles. Volume numbers of journals are given in Arabic numbers, and issue or part numbers (if present) are included in parentheses after the volume number. In cases where there is no volume number, but the volume pertains to a particular year, that year is used as the volume number.

Books are cited with italicized title, publisher (if known), place(s) of publication, and pagination in Roman and Arabic.

Taxa treated in the catalogue are summarized numerically as follows:

Family	Subfamilies	Tribes	Genera	Species and subspecies
Asilidae	11	7	53	124
Bombyliidae	11	14	53	229
Mydidae	3	1	4	17
Mythicomyiidae	4		7	18
Scenopinidae	2		5	16
Therevidae	2	1	11	26
Total	33	23	133	430

THE CATALOGUE

Family ASILIDAE

Subfamily APOCLEINAE Papavero

Genus APOCLEA Macquart

Apoclea Macquart, 1838: 119. Type species *Apoclea pallida* Macquart, 1838, by designation of Engel (1926: 40, 42).

Bisapoclea Becker, 1925: 76. Type species: *Bisapoclea duplicata* Becker 1925.

Apoclea algira (Linnaeus, 1767)

Asilus algirus Linnaeus, 1767: 1006. Type locality: Algeria or Tunisia [as "Barbaria "].

Asilus vegeta Wiedemann, 1828: 571. Type locality: Egypt or Sudan [as "Nubien"].

Apoclea pallida Macquart, 1838: 119. Type locality: Egypt.

Apoclea fuscana Macquart, 1838: 120. Type locality: Egypt.

Apoclea aberrans Schiner, 1867: 391. Type locality: Egypt.

Asilus deformis Walker, 1871a: 259. Type locality: Egypt (Sinai: Wadi Genneh).

Apoclea alginis Fabricius, 1787. Error.

DISTRIBUTION: AF: Niger. PA: Algeria, Asian Arabic States, Egypt, Iran, Israel, Libya, Morocco, Turkey, Tunisia.

EGYPTIAN LOCALITIES: Coastal Strip: Amriah, Burg Mariout, Nuzha, Salloum; Lower Nile Valley: Abu Rawash, Borgash, Kafr Hakim, Kirdassa, Mansouriah; Eastern Desert: Ferdan, Gebel Asfar, Geneifa, Ismailia, Suez Road, Wadies south east of Cairo.

DATES OF COLLECTION: May to October.

Apoclea conicera Loew, 1856

Apoclea conicera Loew, 1856: 42. Type locality: Egypt.

DISTRIBUTION: PA: Egypt, Israel.

EGYPTIAN LOCALITIES: Coastal Strip: Amriah, Burg Mariout; Eastern Desert: Wadi Hoff.

DATES OF COLLECTION: May and June.

Apoclea femoralis (Wiedemann, 1828)

Asilus femoralis Wiedemann, 1828: 466. Type locality: Egypt.

Asilus helva Wiedemann, 1828: 570. Type locality: Egypt.

Apoclea illustris Schiner, 1867: 391. Type locality: Egypt.

Apoclea aperta Becker in Becker & Stein, 1909b: 291. Type locality: Iran (Chorossan, Sirkuch, Plateau Bamrull & Beludschistan between Basman & Bampur).

DISTRIBUTION: AF: Egypt [as "Gebel Elba"], Nigeria, Sudan, Yemen. PA: Asian Arabic States, Egypt, Iran, Israel.

EGYPTIAN LOCALITIES: Lower Nile Valley: Abu Rawash, Barrage, Kafr Hakim, Mansouriah; Fayoum: Tisfa; Eastern Desert: Ghobbet El Bous; Sinai: Wadi Firan, Wadi Gedeirat; Gebel Elba.

DATES OF COLLECTION: April to July.

Apoclea helvipes Loew, 1873

Apoclea helvipes Loew, 1873: 141. Type locality: Kazakhstan (Tschardara).

DISTRIBUTION: PA: Algeria, ?Egypt, Iran, Russia, Turkey.

EGYPTIAN LOCALITIES: Unknown.

DATES OF COLLECTION: Unknown.

Apoclea micracantha Loew, 1856

Apoclea micracantha Loew, 1856: 42. Type locality: Egypt.

Apoclea arabica Becker, 1910: 136, sensu Eflatoun, 1937 (questionable sensu Geller Grimm, 2002: 488).

DISTRIBUTION: AF: Egypt [as "Gebel Elba"]. PA: Asian Arabic States, Egypt, Iran, Israel, Libya, Morocco, Tunisia, Yemen.

EGYPTIAN LOCALITIES: Coastal Strip: Salloum; Lower Nile Valley: Borgash, Kafr Hakim, Katta, Kirdassa, Mansouriah, Marg; Western Desert: Dakhla Oasis; Sinai: El Tor; Gebel Elba.

DATES OF COLLECTION: March to September.

Apoclea plurisetosa Becker, 1909

Apoclea plurisetosa Becker, 1909b: 293. Type locality: Iran.

DISTRIBUTION: PA: Iran, ?Egypt.

EGYPTIAN LOCALITIES: Unknown.

DATES OF COLLECTION: Unknown.

Genus **HIPPOMACHUS** Engel

Trichonotus Loew, 1858: 365. Type species: *Trichonotus pegasus* Loew,

1858, by monotypy. Junior primary homonym, preoccupied by Schneider, 1801.

Hippomachus Engel, 1927: 148. Replacement name for *Trichonotus* Loew.

Hipomachus [of authors]. Misspelling

Hippomachus mivatus (Walker, 1871)

Asilus mivatus Walker, 1871: 259. Type locality: Djibouti (Tajura, Wadi Nash).

Apoclea algira sensu Efflatoun, 1934: 93.

DISTRIBUTION: AF: Central African Republic, Djibouti, Kenya, Sudan.

PA: Asian Arabic States, Egypt.

EGYPTIAN LOCALITIES: Coastal Strip: Mariout; Lower Nile Valley: Abu Rawash, Mansouriah; Eastern Desert: Wadies south east of Cairo.

DATES OF COLLECTION: May to October.

Genus **NEOLOPHONOTUS** Engel

Lophonotus Macquart, 1838: 125. Type species: *Lophonotus auribarbis* Macquart, 1838 [= *Dasyopogon suillus* Fabricius, 1805], junior primary homonym, preoccupied by Stephens, 1829. Subsequent designation by Coquillett 1910: 562.

Neolophonotus Engel, 1925: 347. Replacement name for *Lophonotus* Macquart.

Lophopeltis Engel, 1925: 348 (as subgenus of *Neolophonotus*). Type species: *Lophonotus erythracanthus* Hermann, 1907, by original designation.

Lophybus Engel, 1925: 348 (as subgenus of *Neolophonotus*). Type species: *Lophonotus melanolophus* Loew, 1858, by original designation.

Antilophonotus Lindner, 1955: 38. Type species: *Antilophonotus maculipennis* Lindner, 1955, by monotypy.

Neolophonotus efflatouni Londt, 1987

Neolophonotus molitor (Wiedemann, 1828: 450), sensu Efflatoun, 1934: 77.

Neolophonotus efflatouni Londt, 1987: 404. Type locality: Egypt.

DISTRIBUTION: AF & PA: Egypt.

EGYPTIAN LOCALITIES: Coastal Strip: Burg Matrouh; Lower Nile Valley: Abu Rawash; Eastern Desert: Wadi Degla, Wadi Dar El Maskhara, Wadi Gharaba, Wadi Hoff, Wadi Ibtadi, Wadi Rishrash, Wadi Um Elek, Wadi Zohleiga.

DATES OF COLLECTION: March to May.

Neolophonotus leucotaenia (Bezzi, 1906)

Lophonotus leucotaenia Bezzi, 1906: 286. Type locality: Eritrea.

DISTRIBUTION: AF: Ethiopia. PA: ?Egypt.

EGYPTIAN LOCALITIES: Unknown.

DATES OF COLLECTION: Unknown.

Neolophonotus macropterus (Loew, 1854)

Lophonotus macropterus Loew, 1854: 7. Type locality: Egypt or Sudan [as "Nubien"].

Dysmachus macropterus sensu Loew, 1860b.

DISTRIBUTION: AF: Sudan. PA: Egypt.

EGYPTIAN LOCALITIES: Upper Nile Valley.

DATES OF COLLECTION: Unknown.

Neolophonotus pegasus (Loew, 1858)

Trichonotus pegasus Loew, 1858: 365. Type locality: South Africa (Eastern Cape) [as "Caffraria"].

DISTRIBUTION: AF: Egypt [as "Gebel Elba"], South Africa, Sudan.

EGYPTIAN LOCALITIES: Gebel Elba: Wadi Kanssissrob.

DATES OF COLLECTION: January.

Neolophonotus spiniventris (Loew, 1858)

Lophonotus spiniventris Loew, 1858: 365. Type locality: South Africa (Cape of Good Hope).

DISTRIBUTION: AF: Egypt [as "Gebel Elba"], South Africa, Sudan.

EGYPTIAN LOCALITIES: Coastal Strip: Matrouh; Gebel Elba: Wadi Edeib, Wadi Hekwal, Wadi Kanssissrob.

DATES OF COLLECTION: January to May.

Genus **PHILODICUS** Loew

Philodicus Loew, 1847: 391. Type species: *Asilus javanus* Wiedemann, 1819, by monotypy.

Philodicus ludens (Wiedemann, 1828)

Asilus ludens Wiedemann, 1828: 572. Type locality: Egypt or Sudan [as "Nubien"].

DISTRIBUTION: AF: Sudan. PA: Egypt.

EGYPTIAN LOCALITIES: Upper Nile Valley.

DATES OF COLLECTION: Unknown.

Genus **PROMACHUS** Loew

Trupanea Macquart, 1838: 91. Type species: *Asilus maculatus* Fabricius, 1775, by designation of Coquillett (1910b: 618). Junior primary homonym, preoccupied by Schrank, 1795.

Promachus Loew, 1848: 390. Replacement name for *Trupanea* Macquart, 1838

Teretromyia Bigot, 1859: 416. Type species: *Teretromyia cothurnata* Bigot, 1859, by monotypy.

Telejoneura Rondani, 1863: 48. Type species: *Trupanea cyprica* Rondani, 1856, by monotypy.

Philomachus Karsch, 1888: 375. Type species: *Philomachus rhopalocerus* Karsch, 1888, by original designation and monotypy.

Trypanoides Becker 1925: 71. Type species: *Trupanea testaceipes* Macquart, 1855, by designation of Engel (1926: 22).

Enagaedium Engel 1930: 459 (as subgenus). Type species: *Asilus poetinus* Walker, 1849, by original designation.

Parapromachus Hull 1962: 464. Type species: *Promachus leoninus* Loew, 1848: 404.

Promacus [of authors]. Incorrect subsequent spelling of *Promachus*.

Promachus aegyptiacus Efflatoun, 1929

Promachus aegyptiacus Efflatoun, 1929: 66. Type locality: Egypt (Burg Mariout).

DISTRIBUTION: AF: Sudan. PA: Egypt.

EGYPTIAN LOCALITIES: Coastal Strip: Burg Mariout.

DATES OF COLLECTION: March to May.

Promachus argentipennis Efflatoun, 1929

Promachus argentipennis Efflatoun, 1929: 68. Type locality: Egypt (Gebel Elba: Wadi Kanssissrob) [4S in ESEC].

DISTRIBUTION: AF: Egypt [as "Gebel Elba"]. PA: Egypt.

EGYPTIAN LOCALITIES: Gebel Elba: Wadi Kanssissrob.

DATES OF COLLECTION: March and May.

Promachus griseiventris Becker in Becker & Stein, 1913

Promachus griseiventris Becker in Becker & Stein, 1913: 529. Type locality: Iran (Persisch Beludschistan).

DISTRIBUTION: AF: Egypt [as "Gebel Elba"], Sudan. PA: Egypt, Iran, Israel.

EGYPTIAN LOCALITIES: Coastal Strip: Amriah, Mariout; Lower Nile Valley: Borgash, Kafr Hakim, Kirdassa, Mansouriah; Eastern Desert: Serapium, Wadi Digla. Sinai: El Arish, Wadi Um Choshihi; Gebel Elba.

DATES OF COLLECTION: March to July.

Promachus lacinosus Becker, 1907

Promachus lacinosus Becker, 1907a: 46. Type locality: Tunis (El Djerba).

DISTRIBUTION: PA: Egypt, Tunisia.

EGYPTIAN LOCALITIES: Coastal Strip: Hammam, Ikingi Mariout; Lower Nile Valley: Kirdassa; Eastern Desert: Geneifa, Suez Road, Wadi Um Elek.

DATES OF COLLECTION: May to July.

Promachus rectangularis Loew, 1854

Promachus rectangularis Loew, 1854: 5. Type locality: Ethiopia (Massaua).

DISTRIBUTION: AF: ?Egypt [as "Gebel Elba"], Eritrea, Yemen. PA: Iran.

EGYPTIAN LOCALITIES: Unknown.

DATES OF COLLECTION: Unknown.

Promachus ruepelli Loew, 1854

Promachus ruepelli Loew, 1854: 6. Type locality: Ethiopia (Massaua).

Erax cinctipes Walker, 1871b: 258. Type locality: Egypt (South Sinai: Wadi Feran).

DISTRIBUTION: AF: ?Egypt [as "Gebel Elba"], Ethiopia.

EGYPTIAN LOCALITIES: Unknown.

DATES OF COLLECTION: Unknown.

Promachus sinaiticus Eflatoun, 1934

Promachus sinaiticus Eflatoun, 1934: 58. Type locality: Egypt (Sinai: Wadi Feran and Wadi Gedeirat) [7S in ESEC].

DISTRIBUTION: PA: Egypt.

EGYPTIAN LOCALITIES: Sinai: Wadi Firan, Wadi Gedeirat.

DATES OF COLLECTION: May and June.

Promachus tewfiki Efflatoun, 1929

Promachus tewfiki Efflatoun, 1929: 70. Type locality: Egypt (Gebel Elba) [7S in ESEC].

DISTRIBUTION: AF: Egypt [as "Gebel Elba"]. PA: Egypt.

EGYPTIAN LOCALITIES: Sinai: Wadi Firan; Gebel Elba.

DATES OF COLLECTION: April and May.

Subfamily ASILINAE Latreille

Genus ANEOMOCHTHERUS Lehr

Aneomochtherus Lehr, 1996: 75. Type species: *Neomochtherus micrasiaticus* Tsacas, 1968, by original designation.

Aneomochtherus aegyptius (Macquart, 1838)

Asilus aegyptius Macquart, 1838: 137. Type locality: Egypt.

Mochtherus longitudinalis Loew, 1856: 41. Type locality: Egypt.

DISTRIBUTION: PA: Egypt.

EGYPTIAN LOCALITIES: Coastal Strip: Amriah, Burg, Ikingi Mariout, Mallaha.

DATES OF COLLECTION: May and June.

Genus ANTIPHRISSON Loew

Antiphrisson Loew, 1849: 124. Type species: *Asilus trifarius* Loew, 1849, by original designation.

Antiphrisson adpressus (Loew, 1849)

Asilus adpressus Loew, 1849: 125. Type locality: Turkey (Deniglu am Maander).

DISTRIBUTION: PA: Egypt, Europe, Iran, Israel, Kazakhstan, Russia, Tunisia, Turkey.

EGYPTIAN LOCALITIES: Coastal Strip: Matrouh, Ramleh, Wadi Mayer; Lower Nile Valley: Abu Rawash, Borgash, El Katta, El Marg, Kafir Hakim, Kirdassa, Mansouriah; Eastern Desert: Geneifa, Ogret El

Sheikh, Serapium, Wadi Degla, Wadi Hai, Wadi Handal; Western Desert: Baharia Oasis; Fayoum: Beni Meggon.
DATES OF COLLECTION: August to November.

Antiphrisson trifarius (Loew, 1849)

Asilus trifarius Loew, 1849: 128. Type locality: Italy (Sicily) & Greece or Turkey [as "Kleinasien, die griechischen Inseln, Sicilien"].

Antiphrisson sareptans Lichtwardt, 1903: 103. Type locality: Russia (Sarepta) [as "Krasnoarmeysk near Volgograd"].

Antiphrisson thalhammeri Lichtwardt, 1903: 106. Type locality: Ungarn.

DISTRIBUTION: PA: Albania, Belgium, Bosnia Herzegovina, Croatia, Egypt, France, Germany, Greece, Hungary, Israel, Italy, Kazakhstan, Macedonia, Malta, Morocco, Romania, Russia, Slovenia, Spain, Switzerland, Syria, Transcaucasia, Turkey, Tunisia.

EGYPTIAN LOCALITIES: Coastal Strip: Mariout; Lower Nile Valley: Abu Rawash, Ezbet El Nakhl, Kafr Hakim, Ma'adi, Marg; Eastern Desert: Turah, Wadi Zohleiga.

DATES OF COLLECTION: March and April.

Genus **ASILUS** Linnaeus

Asilus Linnaeus, 1758: 605. Type species: *Asilus crabroniformis* Linnaeus, 1758, by subsequent designation of Latreille (1810: 443).

Asilus enitens Walker, 1871

Asilus enitens Walker, 1871a: 259. Type locality: Egypt (Sinai: Wadi Genneh).

DISTRIBUTION: PA: Egypt.

EGYPTIAN LOCALITIES: Sinai: Wadi Genneh.

DATES OF COLLECTION: Unknown.

Genus **CERDISTUS** Loew

Cerdistus Loew, 1849: 74 (as subgenus of *Asilus*). Type species: *Asilus erythrurus* Meigen, 1820, by designation of Engel (1927: 92).

Rhabdotoitamus White, 1918: 95. Type species: *Neoitamus brunneus* White, 1914. Proposed as a subgenus.

Rhabdotoitamus Hull, 1962: 513. Misspelling of *Rhabdotoitamus* White, 1918.

Cerdistus desertorum Efflatoun, 1934

Cerdistus desertorum Efflatoun, 1934: 136. Type locality: Egypt (Ogret el Sheikh, Wadi Abu El Nessour, Wadi Hai, Wadi Hoff, Mariout) [3S in ESEC].

DISTRIBUTION: PA: Egypt.

EGYPTIAN LOCALITIES: Coastal Strip: Mariout; Eastern Desert: Ogret El Sheikh, Wadi Abu El Nessour, Wadi Hai, Wadi Hoff; Sinai: Wadi Gedeirat.

DATES OF COLLECTION: October.

Cerdistus pallidus (Efflatoun, 1927)

Epitriptus pallidus Efflatoun, 1927: 98. Type locality: Egypt (Abu Rawash, Beni Meggon, Kafr Hakim, Katta, Mansouriah) [6S in ESEC].

DISTRIBUTION: PA: Libya, Egypt.

EGYPTIAN LOCALITIES: Lower Nile Valley: Abu Rawash, Borgash, El Katta, Kafr Hakim, Katta, Kirdassa, Mansouriah; Fayoum: Beni Meggon.

DATES OF COLLECTION: October and November.

Genus **DYSMACHUS** Loew

Dysmachus Loew, 1860: 143. Type species: *Asilus trigonus* Meigen, 1804, by designation of Coquillett (1910: 536).

Dysmachus albiciliatus (Loew, 1854)

Lophonotus albiciliatus Loew, 1854: 6. Type locality: Egypt (Mariout) [5S in CUE].

DISTRIBUTION: AF: Sudan. PA: Algeria, Egypt.

EGYPTIAN LOCALITIES: Coastal Strip: Burg Mariout.

DATES OF COLLECTION: February and March.

Dysmachus albiseta Becker, 1907

Dysmachus albiseta Becker, 1907a: 51. Type locality: Tunis (Gafsa).

DISTRIBUTION: PA: ?Egypt, Tunisia.

EGYPTIAN LOCALITIES: Unknown.

DATES OF COLLECTION: Unknown.

Dysmachus theodori Engel, 1930

Dysmachus theodori Engel, 1930: 127. Type locality: Egypt & Tunisia.

DISTRIBUTION: PA: ?Egypt, Tunisia.
EGYPTIAN LOCALITIES: Unknown.
DATES OF COLLECTION: Unknown.

Genus **ECCOPTOPUS** Loew

Eccoptopus Loew, 1860: 144. Type species: *Asilus longitarsis* Macquart, 1838, by original designation.
Coelopus Becker, 1907: 58. Type species: *Coelopus lucidus* Becker, 1907, by monotypy.

Eccoptopus longitarsis (Macquart, 1838)

Asilus longitarsis Macquart, 1838: 140. Type locality: Iran.
Asilus erythrogastrus Loew, 1871: 120. Type locality: Spain.
Coelopus lucidus Becker, 1907a: 58. Type locality: Tunis.
DISTRIBUTION: PA: Algeria, Egypt, Iran, Iraq, Israel, Morocco, Spain, Tunisia.
EGYPTIAN LOCALITIES: Coastal Strip: Amriah, Burg Ikingi Mariout, Max, Nuzha, Salloum; Eastern Desert: Gebel Shmendeib; Sinai: Ein Gedeirat, El Arish, kosseyima.
DATES OF COLLECTION: March to September.

Genus **ECHTHISTUS** Loew

Echthistus Loew, 1849: 142. Type species: *Asilus rufinervis* Meigen, 1820.

Echthistus rufinervis (Meigen, 1820)

Asilus rufinervis Meigen, 1820: 324. Type locality: Austria & Southern Russia.
DISTRIBUTION: PA: Egypt, Israel, Russia, Turkey.
EGYPTIAN LOCALITIES: Eastern Desert: Abu Soueir.
DATES OF COLLECTION: May.

Genus **EREMISCA** Hull

Eremisca Zinojeva, 1956. *Nomen nudum*.

Eremisca Hull, 1962: 516. Type species: *Eremisca vernalis* Zinovjeva, 1956, by original designation.

Eremisca heleni heleni (Efllatoun, 1934)

Cerdistus heleni Efllatoun, 1934: 140. Type locality: Egypt (Eastern Desert: Gebel Asfar, Geneifa, Wadies south east of Cairo) [8S in ESEC].

DISTRIBUTION: AF: Oman. PA: Asian Arabic States, Egypt, Iran, Israel, Morocco.

EGYPTIAN LOCALITIES: Coastal Strip: Wadi Mayer; Eastern Desert: Wadies south east of Cairo, Gebel Asfar, Geneifa.

DATES OF COLLECTION: October and November.

Eremisca osiris (Wiedemann, 1828)

Asilus osiris Wiedemann, 1828: 452. Type locality: Egypt.

DISTRIBUTION: PA: Egypt, Israel, Morocco, Tunisia.

EGYPTIAN LOCALITIES: Coastal Strip: Mallaha; Lower Nile Valley: Abu Rawash, Ezbet El Nakhl, Giza; Eastern Desert: Ismailia, Wadi Dar El Maskharah, Wadi Ibtadi, Wadi Murrah, Wadi Um Meallag, Wadi Zohleiga; Sinai: Wadi Gedeirat.

DATES OF COLLECTION: March to May.

Genus **MACHIMUS** Loew

Machimus Loew, 1849: 1 (as subgenus of *Asilus*). Type species: *Asilus chrysitis* Meigen, 1820, by designation of Coquillett (1910b: 564).

Dinozabrus Hull, 1962: 573. Type species: *Dinozabrus bicolor* Hull, 1962, by original designation.

Subgenus **ALLOMACHIMUS** Bequaert

Allomachimus Bequaert, 1964: 1. Type species: *Machimus (Allomachimus) barcelonicus* Bequaert, 1964, by original designation.

Machimus (Allomachimus) meridionalis Efllatoun, 1934

Machimus meridionalis Efllatoun, 1934: 168. Type locality: Egypt (Salloum) [2S in ESEC].

DISTRIBUTION: PA: Egypt.
EGYPTIAN LOCALITIES: Coastal Strip: Burg Salloum.
DATES OF COLLECTION: May to August.

Genus **MACHIREMISCA** Lehr

Machiremisca Lehr, 1996: 21. Type species: *Dysmachus verticillatus* Becker, 1907, by original designation.

Machiremisca costalis (Theodor, 1980)

Dysmachus costalis Theodor, 1980: 383. Type locality: Israel.

DISTRIBUTION: PA: Egypt, Israel.

EGYPTIAN LOCALITIES: Sinai: El Arish, St. Katharine.

DATES OF COLLECTION: April to August.

Machiremisca verticillatus (Becker, 1907)

Dysmachus verticillatus Becker, 1907a: 53. Type locality: Tunisia (Sfax).

DISTRIBUTION: PA: Egypt, Israel, Tunisia.

EGYPTIAN LOCALITIES: Coastal Strip: Burg Mariout; Eastern Desert:

Suez Road; Sinai: El Arish, Wadi El Arish; Upper Nile Valley:

Asswan.

DATES OF COLLECTION: January to March.

Genus **NEOEPITRIPTUS** Lehr

Neopitriptus Lehr, 1992: 101. Type species: *Asilus setosulus* Zeller, 1840, by original designation.

Neopitriptus inconstans (Wiedemann in Meigen, 1820)

Asilus inconstans Wiedemann in Meigen, 1820: 323. Type locality:

Portugal.

Asilus culiciformis Wiedemann, 1818: 32. Type locality: Crimea [as "Taurica"].

Machimus micropyga Becker in Becker & Stein, 1913: 74. Type locality:

Morocco (Tanger).

DISTRIBUTION: PA: Algeria, Corse "Corsica", Czech Republic, ?Egypt,

France, Greece, Italy, Morocco, Portugal, Russia, Slovakia, Spain,

Switzerland, Tunisia.

EGYPTIAN LOCALITIES: Unknown.
DATES OF COLLECTION: Unknown.

Genus **PASHTSHENKOA** Lehr

Pashtshenkoa Lehr, 1995: 73. Type species: *Neomochtherus kaszabi*
Lehr, 1975, by original designation.

Pashtshenkoa clypeatus (Becker, 1915)

Heligmoneura clypeatus Becker, 1915: 312. Type locality: Tunisia.

DISTRIBUTION: PA: Algeria, Egypt, Tunisia.

EGYPTIAN LOCALITIES: Lower Nile Valley: Mansouriah; Eastern
Desert: Wadi Garawi, Wadi Hoff.

DATES OF COLLECTION: May to November.

Genus **PHILERIS** Tsacas & Weinberg

Phileris Tsacas & Weinberg, 1976: 93. Type species: *Asilus dorsiger*
Wiedemann, 1828, by original designation.

Phileris dorsiger (Wiedemann, 1828)

Asilus dorsiger Wiedemann, 1828: 436. Type locality: Egypt.

DISTRIBUTION: PA: Egypt, Greece, Israel, Libya.

EGYPTIAN LOCALITIES: Coastal Strip: Dekheila, Maa'moura.

DATES OF COLLECTION: September.

Phileris sinaiticus (Eflatoun, 1934)

Philonicus sinaiticus Eflatoun, 1934: 131. Type locality: Egypt (Sinai)
[3S destroyed in ESEC].

DISTRIBUTION: PA: Afghanistan, Egypt, Israel.

EGYPTIAN LOCALITIES: Sinai: El Arish, Wadi Gedeirat.

DATES OF COLLECTION: July to November.

Genus **PREMOCHTHERUS** Lehr

Premochtherus Lehr, 1996: 126. Type species: *Neomochtherus helictus*
Tsacas, 1968, by original designation.

Premochtherus detorsus (Tsacas, 1968)

Neomochtherus detorsus Tsacas, 1968: 192. Type locality: Egypt (Wadi Hoff).

DISTRIBUTION: PA: Egypt.

EGYPTIAN LOCALITIES: Wadi Hoff.

DATES OF COLLECTION: Unknown.

Genus **SATANAS** Jacobson

Satanas Jacobson, 1908: 36. Type species: *Asilus gigas* Eversmann, 1855, by monotypy.

Satanas gigas (Eversmann, 1855)

Asilus gigas Eversmann, 1855: 200. Type locality: Russia.

DISTRIBUTION: PA: Algeria, China, Egypt, Greece, Iran, Israel, Kazakhstan, Libya, Mongolia, Romania, Russia, Transcaucasia, Turkey.

EGYPTIAN LOCALITIES: Lower Nile Valley: Beheira, Dekernis, Sharqeya; Eastern Desert: Abu Soueir, Geneifa, Ismailia; Western Desert: Kharga Oasis; Fayoum.

DATES OF COLLECTION: May and June.

Genus **TOLMERUS** Loew

Tolmerus Loew, 1849: 94 (as subgenus of *Asilus*). Type species: *Asilus pyragra* Zeller, 1840, by designation of Coquillett (1910: 615).

Epitriptus Loew, 1849: 108. Type species: *Asilus cingulatus* Fabricius, 1781, by designation of Coquillett (1910: 593).

Epitreptus: [of authors]. Incorrect subsequent spelling of *Epitriptus*.

Tolmerus katharinae (Theodor, 1980)

Machimus katharinae Theodor, 1980: 347. Type locality: Egypt (Sinai: St. Katharina).

DISTRIBUTION: PA: Egypt.

EGYPTIAN LOCALITIES: Sinai: St. Katharine.

DATES OF COLLECTION: April to August.

Genus **TURKIELLA** Lehr

Turkiella Lehr, 1996: 131. Type species: *Epitriptus cervinus* Loew, 1856, by original designation.

Turkiella cervinus (Loew, 1856)

Epitriptus cervinus Loew, 1856: 40. Type locality: Egypt.

Epitriptus cretaceus Becker & Stein, 1913: 532. Type locality: Iran.

DISTRIBUTION: PA: Egypt, Iran, Iraq, Kazakhstan, Middle Asia, Morocco, Russia, Turkey, Tunisia.

EGYPTIAN LOCALITIES: Unknown.

DATES OF COLLECTION: Unknown.

Subfamily **DASYPOGONINAE** Macquart

Tribe **DASYPOGONINI** Macquart

Genus **DASYPOGON** Meigen

Dasygogon Meigen, 1803: 270. Type species: *Asilus diadema* Fabricius, 1781, by designation of Westwood (1840: 133).

Dasygogon longus Macquart, 1838

Dasygogon longus Macquart, 1838: 43. Type locality: Egypt.

DISTRIBUTION: PA: Egypt.

EGYPTIAN LOCALITIES: Unknown.

DATES OF COLLECTION: Unknown.

Genus **SAROPOGON** Loew

Saropogon Loew, 1847: 439 (as subgenus of *Dasygogon*). Type species: *Dasygogon luctuosus* Wiedemann, 1820, by designation of Coquillett (1910: 603).

Araiopogon Carrera, 1949: 122. Type species: *Dasygogon gayi* Macquart, 1838, by original designation.

Oberon Carrera & Papavero 1962: 57. Type species: *Oberon velutinus* Carrera & Papavero, 1962, by original designation.

Saropogon [of authors]. Incorrect subsequent spelling of *Saropogon*.

***Saropogon aurifrons* (Macquart, 1850)**

Dasyopogon aurifrons Macquart, 1850: 434. Type locality: Algeria.

DISTRIBUTION: PA: Algeria, Egypt, Israel, Morocco, Tunisia.

EGYPTIAN LOCALITIES: Coastal Strip: Abu Sir, Burg Mariout; Eastern Desert: Suez Road.

DATES OF COLLECTION: March to June.

***Saropogon distinctus* Becker, 1906**

Saropogon distinctus Becker, 1906d: 359. Type locality: Algeria (Bou Saad).

DISTRIBUTION: PA: Algeria, Egypt, Israel.

EGYPTIAN LOCALITIES: Coastal Strip: Maa'moura; Lower Nile Valley:

Edfina, Edku, El Katta, Kafr Hakim, Kirdassa, Mansouriah, Shebin

El Qanater, Wardan; Eastern Desert: Abu Soueir, El Gorani,

Ghobbet El Bous, Serapium, Suez Road, Wadi Abu Trifia.

DATES OF COLLECTION: April to July.

***Saropogon elbaiensis* Efflatoun, 1937**

Saropogon elbaiensis Efflatoun, 1937: 394. Type locality: Egypt (Gebel Elba) [13S (7 destroyed) in ESEC, 14S in CUE].

DISTRIBUTION: AF: Egypt [as "Gebel Elba"]. PA: Libya.

EGYPTIAN LOCALITIES: Gebel Elba.

DATES OF COLLECTION: April and May.

***Saropogon jugulum* (Loew, 1847)**

Dasyopogon jugulum Loew, 1847: 441. Type locality: Greece (Insel Rhodus).

Saropogon micropterus Loew, 1869b: 82, sensu Engel, 1030. Type locality: Greece.

Saropogon brachypterus Loew, 1869b: 96. Type locality: Spain (Andalusia).

DISTRIBUTION: AF: Egypt [as "Gebel Elba"], Sudan. PA: Albania,

Algeria, Bosnia Herzegovina, Croatia, Egypt, France, Greece, Iran,

Libya, Morocco, Macedonia, Serbia, Slovenia, Spain, Turkey.

EGYPTIAN LOCALITIES: Common in all Egyptian ecological zones.

DATES OF COLLECTION: March to June.

***Saropogon leucocephalus* (Meigen, 1820)**

Dasyopogon leucocephalus Meigen, 1820: 259. Type locality: France

(Antibes).

Laphria scutellaris Wiedemann, 1820: 296. Type locality: Portugal.

DISTRIBUTION: PA: Egypt, France, Israel, Italy, Morocco, Spain, Tunisia, Turkey.

EGYPTIAN LOCALITIES: Coastal Strip: Burg Sinai: Wadi Gedeirat.

DATES OF COLLECTION: March.

Saropogon longicornis (Macquart, 1838)

Dasypogon longicornis Macquart, 1838: 192. Type locality: Egypt.

DISTRIBUTION: PA: Egypt, Iran, Israel.

EGYPTIAN LOCALITIES: Lower Nile Valley: Abu Rawash, Ezbet El

Nakhl, Kafr Hakim, Kafr Katati, Katta, Kirdassa, Marg Mansouriah, Wardan; Eastern Desert: Wadi Gharagid; Sinai: Ein Gedeirat, Wadi Moweileh.

DATES OF COLLECTION: May to September.

Saropogon melampygy (Loew, 1851)

Dasypogon melampygy Loew, 1851: 10. Type locality: Syria.

Dasypogon melanopygy: Becker, 1903c. Incorrect subsequent spelling of *melampygy*?

DISTRIBUTION: AF: Ethiopia, Mali, Mauritania, Niger, Senegal, Sudan, Yemen. PA: Egypt, Syria, Turkey.

EGYPTIAN LOCALITIES: Lower Nile Valley: Abu Rawash, Ezbet El

Nakhl, Kafr Hakim, Kafr Katati, Katta, Kirdassa, Marg Mansouriah, Wardan; Eastern Desert: Wadi Gharagid; Sinai: Ein Gedeirat, Wadi Moweileh.

DATES OF COLLECTION: May to September.

Saropogon olivierii (Macquart, 1838)

Dasypogon olivierii Macquart, 1838: 33. Type locality: Egypt.

DISTRIBUTION: PA: Egypt.

EGYPTIAN LOCALITIES: Unknown.

DATES OF COLLECTION: Unknown.

Saropogon pittoproctus Loew, 1873

Saropogon pittoproctus Loew, 1873: 124. Type locality: Uzbekistan (Samarkand).

DISTRIBUTION: PA: Egypt, Kazakhstan, Mongolia, Russia, Uzbekistan.

EGYPTIAN LOCALITIES: Coastal Strip: Hammam.

DATES OF COLLECTION: May.

***Saropogon pollinosus* Loew, 1869**

Saropogon pollinosus Loew, 1869b: 75. Type locality: Turkey (Izmir).

DISTRIBUTION: PA: Egypt, Turkey, Spain, Tunisia.

EGYPTIAN LOCALITIES: Unknown.

DATES OF COLLECTION: Unknown.

***Saropogon pseudojugulum* Theodor, 1980**

Saropogon pseudojugulum Theodor, 1980: 201. Type locality: Israel (Revivim).

DISTRIBUTION: PA: Egypt, Israel.

EGYPTIAN LOCALITIES: Sinai: El Arish, St. Katharine.

DATES OF COLLECTION: April to August.

***Saropogon vestitus* (Wiedemann, 1828)**

Dasypogon vestitus Wiedemann, 1828: 406. Type locality: Egypt or Sudan [as "Nubien"].

Dasypogon aegypticus Macquart, 1838: 33. Type locality: Egypt.

Saropogon confluens Loew, 1851: 10. Type locality: Syria.

DISTRIBUTION: PA: Egypt, Iran, Israel, Libya, Syria, Turkey, Switzerland.

EGYPTIAN LOCALITIES: Coastal Strip: Abu Sir, Burg, Dekheila, Ikingi Mariout; Lower Nile Valley: Abu Rawash, Ezbet El Nakhl, Giza, Helwan, Kafr Katati, Kafr Hakim, Kirdassa, Mansouriah, Marg Pyramids; Upper Nile Valley: Wadi Assiuot; Eastern Desert: Wadi Ibtadi, Wadi Gharagid; Sinai: Wadi Gedeirat, South Sinai.

DATES OF COLLECTION: April and May.

***Saropogon weissi* Bezzi, 1910**

Saropogon weissi Bezzi, 1910 [See: Bezzi, 1911: 316]. Type locality: Tunis (Djerba).

DISTRIBUTION: PA: Algeria, Egypt, Tunisia.

EGYPTIAN LOCALITIES: Coastal Strip: Maa'moura; Lower Nile Valley: Edfina, Edku, El Katta, Kafr Hakim, Kirdassa, Mansouriah, Shebin El Qanater, Wardan; Eastern Desert: Abu Soueir, El Gorani, Ghobbet El Bous, Serapium, Suez Road, Wadi Abu Trifia.

DATES OF COLLECTION: April to July.

Subfamily **DIOCTRIINAE** Enderlein

Tribe **DIOCTRIINI** Enderlein

Genus **DIOCTRIA** Meigen

Dioctria Meigen, 1803: 270. Type species: *Asilus oelandicus* Linnaeus, 1758, by subsequent designation of Latreille (1810: 443).

Dioctria lateralis Meigen, 1804

Dioctria lateralis Meigen, 1804: 258. Type locality: Germany (Stolberg near Aachen).

Dioctria haemorrhoidalis Meigen, 1820: 250. Type locality: France (Paris & southern France).

DISTRIBUTION: PA: Algeria, Austria, Belgium, Bulgaria, Corse, Czech, Egypt, France, Germany, Hungary, Kazakhstan, Poland, Romania, Republic, Russia, Switzerland, Slovakia, The Netherlands.

EGYPTIAN LOCALITIES: Lower Nile Valley: Cairo.

DATES OF COLLECTION: Unknown.

Subfamily **LAPHRIINAE** Macquart

Tribe **CTENOTINI** Hull

Genus **CTENOTA** Loew

Ctenota Loew, 1873: 136. Type species: *Ctenota molitrix* Loew, 1873, by monotypy.

Epilamyra Becker & Stein 1913: 541. Type species: *Epilamyra coerulea* Becker & Stein, 1913, by monotypy.

Paractenota Engel, 1925: 141. Type species: *Paractenota efflatouni* Engel, 1925, by original designation.

Ctenota coerulea (Becker & Stein, 1913)

Epilamyra coerulea Becker & Stein, 1913: 542. Type locality: Iran.

DISTRIBUTION: PA: Egypt, Iran, Mongolia, Russia.

EGYPTIAN LOCALITIES: Western Desert: Kharga Oasis.

DATES OF COLLECTION: September.

Ctenota efflatouni (Engel, 1925)

Paractenota efflatouni Engel, 1925: 142. Type locality: Egypt (Ikingi Mariout).

DISTRIBUTION: PA: Egypt, Israel.

EGYPTIAN LOCALITIES: Coastal Strip: Amriah, Burg, Mariout.

DATES OF COLLECTION: April to July.

Ctenota molitrix Loew, 1873

Ctenota molitrix Loew, 1873: 135. Type locality: Middle Russia (Middle Russia).

DISTRIBUTION: PA: Egypt, Iran, Israel, Kazakhstan, Russia, Syria.

EGYPTIAN LOCALITIES: Lower Nile Valley: Kafr Hakim, Kirdassa, Pyramids; Eastern Desert: Abu Sultan, Gebel Asfar, Hurghada, Suez Road, Wadies south east of Cairo; Sinai: Wadi Gedeirat.

DATES OF COLLECTION: March to November.

Genus **LAMYRA** Loew

Lamyra Loew, 1851: 19 (as subgenus of *Laphria*). Type species:

Laphria gulo Loew, 1851, by monotypy.

Lamyra vorax Loew, 1858

Lamyra vorax Loew, 1858: 353. Type locality: Sudan (Khartoum).

Laphria nobilis Walker, 1871: 258 sensu Loew, 1873: 108.

DISTRIBUTION: AF: Burkina Faso, Djibouti, Ethiopia, Gambia, Ghana, Mauritania, Saudi Arabia, Sudan, Yemen. PA: Egypt, Israel.

EGYPTIAN LOCALITIES: Unknown.

DATES OF COLLECTION: Unknown.

Genus **STIPHROLAMYRA** Engel

Stiphrolamyra Engel, 1928: 231. Type species: *Lamyra bipunctata* Loew, 1858, by original designation.

Stiphrolamyra rubicunda Oldroyd, 1947

Stiphrolamyra rubicunda Oldroyd, 1947: 117. Type locality: Egypt

(Siwa Oasis).

Stiphrolamyra diaxantha [of authors, not Hermann].

DISTRIBUTION: PA: Egypt, Israel, Libya, Morocco.

EGYPTIAN LOCALITIES: Lower Nile Valley: Marg; Eastern Desert: Ghobbet El Bous, Wadi Gharandal; Western Desert: Siwa Oasis; Sinai: Wadi Firan.

DATES OF COLLECTION: May to July.

Stiphrolamyra sinaitica Theodor, 1980

Stiphrolamyra sinaitica Theodor, 1980: 245. Type locality: Egypt (Sinai: St. Catherine).

DISTRIBUTION: PA: Egypt, Iraq, Jordan.

EGYPTIAN LOCALITIES: Sinai: St. Catherine.

DATES OF COLLECTION: March to September.

Tribe LAPHRIINI Macquart

Genus NUSA Walker

Nusa Walker, 1851: 105. Type species: *Nusa aequalis* Walker, 1851, by designation of Hermann (1912: 243).

Dasythrix Loew, 1851: 21 (as subgenus of *Laphria*). Type species: *Laphria infumata* Loew, 1851, by designation of Engel (1928: 236).

Halictosoma Rondani, 1873: 298. Type species: *Halictosoma puella* Rondani, 1873, by monotypy.

Nusa infumata (Loew, 1851)

Laphria infumata Loew, 1851: 21. Type locality: South Africa.

Laphria brachyptera Loew, 1851: 21. Type locality: South Africa.

Dasythrix stenura Loew, 1858: 358. Type locality: South Africa.

Dasythrix ruficornis Wulp, 1899: 91. Type locality: South Yemen.

Dasythrix vittipes Bezzi, 1915: 226. Type locality: Somalia.

Nusa gaerdesi Lindner, 1973: 79. Type locality: Namibia.

DISTRIBUTION: AF: Egypt [as "Gebel Elba"], Iran, Kazakhstan, Kenya, Middle Asia, Mozambique, Namibia, Socotra, Somalia, South African Republic, Tanzania, Yemen, Zimbabwe. PA: Russia.

EGYPTIAN LOCALITIES: Gebel Elba.

DATES OF COLLECTION: Unknown.

Subfamily LAPHYSTIINAE Hardy

Genus ACROCHORDOMERUS Hermann

Acrochordomerus Hermann, 1920. Type species: *Acrochordomerus aeneus* Hermann, 1920, by original designation.

Acrochordomerus engeli Efflatoun, 1937

Acrochordomerus engeli Efflatoun, 1937: 214. Type locality: Egypt (Eastern Desert: Ghobbet El Bous) [H in ESEC].

DISTRIBUTION: PA: Egypt.

EGYPTIAN LOCALITIES: Eastern Desert: Ghobbet El Bous "Red Sea Coast".

DATES OF COLLECTION: June.

Genus GLYPHOTRICLIS Hermann

Glyphotriclis Hermann, 1920. Type species: *Triclis ornatus* Schiner, 1868, by original designation.

Glyphotriclis ornatus (Schiner, 1868)

Triclis ornatus Schiner, 1868: 162. Type locality: Gibraltar [= Gebel Tarek].

DISTRIBUTION: PA: Algeria, Egypt, France, Israel, Morocco, Spain, Tunisia.

EGYPTIAN LOCALITIES: Coastal Strip: Burg Matrouh; Lower Nile Valley: Helwan; Eastern Desert: Wadi Dar El Maskhara, Wadi Hataim.

DATES OF COLLECTION: April to June.

Genus LAPHYSTIA Loew

Laphystia Loew, 1847. Type species: *Laphystia sabulicola* Loew, 1847, by monotypy.

Laphistia [of authors]. Misspelling

Laphystia aegyptiaca Efflatoun, 1937

Laphystia aegyptiaca Efflatoun, 1937: 226. Type locality: Egypt [27S in CUE & 19S in ESEC].

DISTRIBUTION: AF: Egypt (Gebel Elba). PA: Egypt.

EGYPTIAN LOCALITIES: Coastal Strip: Amriah, Burg Ikingi Mariout, Mallaha; Lower Nile Valley: Abu Rawash, Borgash, Kafr Hakim, Kirdassa, Mansouriah; Eastern Desert: Gobbet El Bous, Hurghada, Ismailia, Serapium, Wadi Rishrash; Sinai: St. Catherine, Wadi Firan, Wadi Gedeirat; Gebel Elba.

DATES OF COLLECTION: April to July.

Laphystia erberi Schiner, 1866

Laphystia erberi Schiner, 1866b: 996. Type locality: Greece.

Laphystia arenacea Paramonov, 1930b: 342. Type locality: Turkmenistan.

DISTRIBUTION: PA: Egypt, Greece, Iran, Iraq, Israel, Italy, Kazakhstan, Malta, Middle Asia, Spain, Romania, Russia, Transcaucasia, Tunisia, Turkey.

EGYPTIAN LOCALITIES: Coastal Strip: Burg Ikingi Mariout; Fayoum.

DATES OF COLLECTION: May.

Genus **TRICHARDIS** Hermann

Trichardis Hermann, 1906: 137. Type species: *Laphria testacea* Macquart, 1838, by designation of Hermann (1920: 177).

Strobilothrix Becker, 1907b: 42. Type species: *Strobilothrix albipila* Becker, 1907 [= *Hoplistomera leucomoma* Wulp, 1899], by monotypy.

Trichardis leucomomus (Wulp, 1899)

Hoplistomera leucomoma Wulp, 1899: 90. Type locality: Yemen (Shaik Othmann).

Strobilothrix albipila Becker, 1907a: 43. Type locality: Algeria (Laghout).

DISTRIBUTION: AF: Egypt [as "Gebel Elba"], Yemen. PA: Algeria, Asian Arabic States, Egypt, Iran, Israel, Kazakhstan, Mongolia, Morocco, Russia.

EGYPTIAN LOCALITIES: Eastern Desert: Ghobbet El Bous, Ismailia, Ogret El Sheikh, Suez Road, Wadi Degla, Wadi Hoff, Wadi Kheda,

Wadi Nakhla, Wadi Rishrash, Wadi Um Elek; Upper Nile Valley:
Wadi Assiouti; Sinai: Wadi Gedeirat; Gebel Elba.
DATES OF COLLECTION: March to September.

Trichardis rueppelii (Wiedemann, 1828)

Dasypogon rueppelii Wiedemann, 1828: 569. Type locality: Egypt or Sudan [as "Nubien"].

DISTRIBUTION: AF: Sudan. PA: Egypt.

EGYPTIAN LOCALITIES: Upper Nile Valley.

DATES OF COLLECTION: Unknown.

Subfamily LEPTOGASTRINAE Schiner

Genus EUSCELIDIA Westwood

EUSCELIDIA Westwood, 1850: 232. Type species: *Euscelidia rapax* Westwood, 1850, by monotypy.

Dolichoscius Janssens, 1953: 2. Type species: *Dolichoscius francoisi* Janssens, 1953, by monotypy.

Euscelidia bishariensis Efflatoun, 1937

Euscelidia bishariensis Efflatoun, 1937: 420. Type locality: Egypt (Gebel Elba) [4S (3 destroyed) in ESEC & 29S in CUE].

DISTRIBUTION: AF: Egypt [as "Gebel Elba"], Ethiopia, Sudan.

EGYPTIAN LOCALITIES: Gebel Elba: Wadi Hekwal, Kanssissroub, Wadi Edeib.

DATES OF COLLECTION: January and February.

Euscelidia nitida (Wiedemann, 1828)

Leptogaster nitida Wiedemann, 1828: 535. Type locality: Egypt or Sudan [as "Nubien"].

DISTRIBUTION: AF: Sudan. PA: Asian Arabic States, Egypt [see: Dikow (2003)].

EGYPTIAN LOCALITIES: Unknown.

DATES OF COLLECTION: Unknown.

Genus **LEPTOGASTER** Meigen

Leptogaster Meigen, 1803: 269. Type species: *Asilus tipuloides* Linnaeus, 1758, sensu Fabricius [misident., = *Asilus cylindricus* De Geer, 1776], by monotypy.

Gonypes Latreille, 1805: 309. Type species: *Asilus tipuloides* Linnaeus, 1758, sensu Fabricius [misident., = *Asilus cylindricus* De Geer, 1776], by monotypy.

Leptogaster elbaiensis Efflatoun, 1937

Leptogaster elbaiensis Efflatoun, 1937: 424. Type locality: Egypt (Gebel Elba) [2S (1 destroyed) in ESEC].

DISTRIBUTION: AF: Egypt [as "Gebel Elba"].

EGYPTIAN LOCALITIES: Gebel Elba.

DATES OF COLLECTION: April.

Leptogaster faragi Efflatoun, 1937

Leptogaster faragi Efflatoun, 1937: 427. Type locality: Egypt (Gebel Elba: Wadi Edeib and Wadi Kanssissrob) [5S in ESEC, 4S in CUE].

DISTRIBUTION: AF: Egypt [as "Gebel Elba"].

EGYPTIAN LOCALITIES: Gebel Elba: Wadi Edeib and Wadi Kanssissrob.

DATES OF COLLECTION: January.

Leptogaster longitibialis Efflatoun, 1937

Leptogaster longitibialis Efflatoun, 1937: 431. Type locality: Egypt (Gebel Elba: Wadi Edeib) [H in ESEC].

DISTRIBUTION: AF: Egypt [as "Gebel Elba"], Socotra, Sudan, Yemen.

EGYPTIAN LOCALITIES: Gebel Elba: Wadi Edeib.

DATES OF COLLECTION: January.

Subfamily **OMMATIINAE** Hardy

Genus **OMMATIUS** Wiedemann

Ommatius Wiedemann, 1821b: 213. Type species: *Asilus marginellus* Fabricius, 1781, by designation of Coquillett (1910: 579).

Ommatinus Becker, 1925: 78, 80. Type species: *Ommatius pinguis* Wulp, 1872, by designation of Engel (1926: 37).

Subgenus **OMMATIUS** Wiedemann
(Nominate subgenus)

Ommatius (Ommatius) striatus (Eflatoun, 1934)

Ommatius striatus Eflatoun, 1934: 73. Type locality: Egypt (Gebel Elba) [3S in ESEC].

DISTRIBUTION: AF: Egypt [as "Gebel Elba"].

EGYPTIAN LOCALITIES: Gebel Elba: Wadi Edeib.

DATES OF COLLECTION: January.

Ommatius (Ommatius) tenellus Wulp, 1899

Ommatius tenellus Wulp, 1899: 97. Type locality: Yemen (Haithalhim & Lahej).

DISTRIBUTION: AF: Chad, Egypt [as "Gebel Elba"], Ethiopia, Niger, Senegal, Sudan, Yemen. OR: India. PA: Algeria, Asian Arabic States, China, Iran, Israel, Russia, Transcaucasia.

EGYPTIAN LOCALITIES: Gebel Elba: Halaieb.

DATES OF COLLECTION: May.

Subgenus **METOMMATIUS** Hull

Metommatius Hull, 1962: 436. Type species: *Ommatius aegyptius* Eflatoun, 1934, by original designation.

Ommatius (Metommatius) aegyptius Eflatoun, 1934

Ommatius aegyptius Eflatoun, 1934: 66. Type locality: Egypt (Helwan, Kafr Hakin, Tisfa) [4S in ESEC].

DISTRIBUTION: PA: Egypt, Israel.

EGYPTIAN LOCALITIES: Lower Nile Valley: Abu Rawash, Borgash, Heliopolis, Helwan, Kafr Hakim, Kirdassa, Mansouriah, Tisfa.

DATES OF COLLECTION: May to October.

Subfamily **STENOPOGONINAE** Hull

Tribe **CYRTOPOGONINI** Artigas & Papavero

Genus **HETEROPOGON** Loew

Heteropogon Loew, 1847: 488 (as subgenus of *Dasyopogon*). Type

species: *Dasyopogon manicatus* Meigen, 1820, by designation of Back (1909: 318).

***Heteropogon elegans* Becker, 1907**

Heteropogon elegans Becker, 1907a: 36. Type locality: Tunis.

DISTRIBUTION: PA: Egypt, Tunisia.

EGYPTIAN LOCALITIES: Coastal Strip: Amriah, Burg Sinai: El Arish.

DATES OF COLLECTION: May.

***Heteropogon pyrinus* Hermann, 1906**

Heteropogon pyrinus Hermann, 1906: 19. Type locality: Turkmenistan (Ashgabat "= Ascabad").

Heteropogon pyrrihinus Engel, 1925: 352. Error.

DISTRIBUTION: PA: Egypt, Iran, Israel, Kazakhstan, Russia, Turkmenistan.

EGYPTIAN LOCALITIES: Eastern Desert: Wadies south east of Cairo.

DATES OF COLLECTION: April and May.

Tribe ENIGMOMORPHINI Hull

Genus MICROSTYLUM Macquart

***Microstylum* Macquart, 1838: 26.** Type species: *Dasyopogon venosum* Wiedemann, 1821, by designation of Back (1909: 213).

Megapollyon Walker, 1851: 85. *Nomen nudum*.

Megapollyon Walker, 1855: 452. Type species: *Microstylum acutirostre* Loew, 1852, by designation of Coquillett (1910: 566).

Eclipsis Bezzi, 1908b: 375. Type species: *Eclipsis maculiventris* Bezzi, 1908, by monotypy.

Epiblepharis Bezzi, 1908b: 375. Type species: *Epiblepharis pedunculata* Bezzi, 1908, by monotypy.

***Microstylum nigrisetosum* Eflatoun, 1937**

Microstylum nigrisetosum Eflatoun, 1937: 280. Type locality: Egypt (Gebel Elba) [4S (1 destroyed) in ESEC].

DISTRIBUTION: AF: Egypt [as "Gebel Elba"], Sudan, Yemen.

EGYPTIAN LOCALITIES: Gebel Elba.

DATES OF COLLECTION: April and May.

Tribe **STENOPOGONINI** Hull

Genus **AMPHISBETETUS** Hermann

Amphisbetetus Hermann, 1906: 131. Type species: *Habropogon favillaceus* Loew, 1856, by original designation.

Amphisbetetus dorsatus Becker in Becker & Stein, 1913

Amphisbetetus dorsatus Becker in Becker & Stein, 1913: 519. Type locality: Iran [as "Persisch Beludshitan"].

Amphisbetetus rufipes Engel, 1930: 421. Type locality: Uzbekistan (Kerki, Buchara).

DISTRIBUTION: PA: Egypt, Iran, Israel, Kazakhstan, Middle Asia, Russia, Turkey.

EGYPTIAN LOCALITIES: Eastern Desert: Wadies south east of Cairo; Sinai: El Kantara.

DATES OF COLLECTION: March to May.

Amphisbetetus favillaceus (Loew in Rosenhauer, 1856)

Habropogon favillaceus Loew in Rosenhauer, 1856: 388. Type locality: Spain.

DISTRIBUTION: PA: Afghanistan, Egypt, Greece, Iran, Israel, Russia, Spain, Turkey.

EGYPTIAN LOCALITIES: Coastal Strip: Matrouh.

DATES OF COLLECTION: May.

Amphisbetetus gederati Eflatoun, 1937

Amphisbetetus gederati Eflatoun, 1937: 363. Type locality: Egypt (Northern Sinai: Wadi Ein Gederat) [4S (1 destroyed) in ESEC].

DISTRIBUTION: PA: Egypt, Israel.

EGYPTIAN LOCALITIES: Sinai: Wadi Ein Gederat.

DATES OF COLLECTION: May.

Genus **ANCYLORHYNCHUS** Berthold in Latreille

Ancylorhynchus Berthold, 1827: 498 (Latinisation of *Ancylorhinque* Latreille). Type species: *Asilus glaucius* Rossi, 1790, by designation of Engel (1930: 363).

Xiphocera Macquart, 1834: 279. Type species: *Xiphocera percheronii* Macquart, 1834, by monotypy.
Enhocera Blanchard, 1840. *Enhocera* Blanchard, 1840. Unnecessary replacement name for *Xiphocera*.
Elasmocera Rondani 1846: 154. Type species: *Elasmocera cingulatus* Rondani, 1846, by monotypy.
Ancilorhynchus, *Ancylorrhynchus* [of authors]. Misspelling of *Ancylorhynchus*.
Xiphocerus, *Xyphocera*, *Xyphocerus* [of authors]. Misspelling of *Xiphocera*.

Ancylorhynchus elbaiensis (Efflatoun, 1937)
Saropogon elbaiensis Efflatoun, 1937: 394. Type locality: Egypt (Gebel Elba) [2S in ESEC].
DISTRIBUTION: AF: Egypt [as "Gebel Elba"].
EGYPTIAN LOCALITIES: Gebel Elba.
DATES OF COLLECTION: March and April.

Genus ANISOPOGON Röder

Anisopogon Röder, 1881: 215. Type species: *Anisopogon glabellus* Röder, 1881, by original designation.

Anisopogon parvum Efflatoun, 1937
Anisopogon parvum Efflatoun, 1937: 378. Type locality: Egypt (Northern Sinai: Wadi Gedeirat) [9S destroyed in ESEC & 8S in CUE].
DISTRIBUTION: AF: Egypt [as "Gebel Elba"], Sudan. PA: Egypt, Israel.
EGYPTIAN LOCALITIES: Eastern Desert: Ghobbet El Bous; Sinai: Ein Gedeirat, Wadi Gedeirat, Wadi Moweileh; Gebel Elba.
DATES OF COLLECTION: April to June.

Anisopogon pulchrum Efflatoun, 1937
Anisopogon pulchrum Efflatoun, 1937: 381. Type locality: Egypt (Eastern Desert: Wadi Rishrash) [23S (all destroyed) in ESEC & 12S in CUE].
DISTRIBUTION: PA: Egypt.
EGYPTIAN LOCALITIES: Eastern Desert: Wadi Rishrash.
DATES OF COLLECTION: July.

Genus **HABROPOGON** Loew

Habropogon Loew, 1847: 463 (as subgenus of *Dasygogon*). Type species: *Dasygogon exquisitus* Meigen, 1820, by designation of Coquillett (1910: 548).

Dactiliscus Rondani 1856: 158. Type locality: *Asilus striatus* Fabricius, 1794, by original designation.

Habropogon aegyptius Efflatoun, 1937

Habropogon aegyptius Efflatoun, 1937: 297. Type locality: Egypt [4S in ESEC & 7S in CUE].

DISTRIBUTION: PA: Egypt, Israel, Jordan.

EGYPTIAN LOCALITIES: Coastal Strip: Burg Lower Nile Valley; Abu Rawash, Bahr El Ghazal, Kafr Hakim, Kirdassa, Wardan; Eastern Desert: Wadi Garawi, Wadi Ogret El Naga, Wadi Murrah.

DATES OF COLLECTION: April to July.

Habropogon appendiculatus Schiner, 1867

Habropogon appendiculatus Schiner, 1867: 36. Type locality: Croatia (Spalato "= Split").

DISTRIBUTION: PA: Bosnia Herzegovina, Croatia, Egypt, France, Greece, Israel, Italy, Kazakhstan, Macedonia, Morocco, Russia, Serbia, Slovenia, Spain.

EGYPTIAN LOCALITIES: Coastal Strip: Abu Mina, Amriah, Burg Ikingi Mariout.

DATES OF COLLECTION: March and April.

Habropogon elegantulus Efflatoun, 1937

Habropogon elegantulus Efflatoun, 1937: 304. Type locality: Egypt (Wadi El Shut, Wadi Garawi, Wadi Gendali, Wadi Um Elek) [13S in ESEC & 2S in CUE].

DISTRIBUTION: PA: Egypt.

EGYPTIAN LOCALITIES: Eastern Desert: Wadi Garawi, Wadi Gendali, Wadi Um Elek; Sinai: Wadi El Shut.

DATES OF COLLECTION: April to June.

Habropogon exquisitus Wiedemann, 1820

Dasygogon exquisitus Wiedemann, 1820b: 267 [or Meigen, 1820]. Type locality: Unknown.

Dasygogon rutilus Meigen, 1838: 70. Type locality: Spain.

DISTRIBUTION: PA: Bosnia Herzegovina, Corse, Croatia, Egypt, France, Italy, Macedonia, Portugal, Romania, Serbia, Slovenia, Spain, Tunisia.

EGYPTIAN LOCALITIES: Coastal Strip: Mariout.

DATES OF COLLECTION: March.

***Habropogon longiventris* Loew, 1847**

Habropogon longiventris Loew, 1847: 467. Type locality: Greece or Turkey [as "Kleinasien und die Inseln des griechischen Archipelagus"].

DISTRIBUTION: PA: ?Egypt, Iran, Israel, Turkey.

EGYPTIAN LOCALITIES: Unknown.

DATES OF COLLECTION: Unknown.

***Habropogon spissipes* Hermann, 1909**

Habropogon spissipes Hermann, 1909: 75. Type locality: Egypt (Sinai).

Habropogon espissipes: Misspelling for *spissipes* (Engel, 1925: 351).

DISTRIBUTION: AF: Egypt [as "Gebel Elba"]. PA: Egypt, Morocco, Turkey.

EGYPTIAN LOCALITIES: Coastal Strip: From Burg to Salloum; Lower Nile Valley: Abu Rawash, Kafr Hakim, Kirdassa, Mansouriah, Mazghouna; Western Desert: Dahshour, Sakkara; Upper Nile Valley: Wadi Assiouti; Eastern Desert: Wadies south east of Cairo; Sinai: El Arish, Wadi Hocheb; Gebel Elba.

DATES OF COLLECTION: March to July.

***Habropogon striatus* (Fabricius, 1794)**

Asilus striatus Fabricius, 1794: 387. Type locality: North Africa (Barbaria).

Habropogon heteroneurus Timon David, 1951: 135. Type locality: Morocco (Rabat).

DISTRIBUTION: PA: Algeria, Egypt, Israel, Malta, Morocco, Tunisia.

EGYPTIAN LOCALITIES: Coastal Strip: Abu Mina, Abu Sir, Amriah, Burg Dekheila, Mallaha, Mariout, Matrouh; Lower Nile Valley: Ezbet El Nakhl, Marg; Sinai: Wadi Gedeirat.

DATES OF COLLECTION: March to June.

***Habropogon theodori* Hradský & Geller Grimm, 2005**

Habropogon appendiculatus: *sensu* Efflatoun, 1937: 300 & Theodor, 1980: 107.

Habropogon theodori Hradsky & Geller Grimm, 2005: 10. Type locality: Palestine (Jericho " = Ariha").

DISTRIBUTION: PA: Egypt, Israel, Syria, Tunisia.
EGYPTIAN LOCALITIES: Sinai.
DATES OF COLLECTION: March to August.

Genus **JOTHOPOGON** Becker

Jothopogon Becker, 1913: 518. Type species: *Cyrtopogon leucomallus* Loew, 1871 "= *Jothopogon leucomallus* (Loew, 1871)", by original designation.

Jothopogon leucomallus (Loew, 1871)

Cyrtopogon leucomallus Loew, 1871: 102. Type locality: Tajikistan [as "Sarawschan Thai"].

DISTRIBUTION: PA: Egypt, Iran, Israel, Jordan, Russia, Tajikistan.

EGYPTIAN LOCALITIES: Sinai: North Sinai (Bir El Hassana).

DATES OF COLLECTION: May.

Genus **OLIGOPOGON** Loew

Oligopogon Loew, 1847: 497 (as subgenus of *Dasyopogon*). Type species: *Dasyopogon hybotinus* Loew, 1847, by monotypy. [Dikow (2009) listed this genus as "*incertae sedis*", and stated that it could not be placed in any of the higher level taxa and no family group name is available for it].

Oligopogon nitidus Efflatoun, 1937

Oligopogon nitidus Efflatoun, 1937: 290. Type locality: Egypt (Gebel Elba: Wadi Edeib & Wadi Kanssissrob) [10S in ESEC & 8S in CUE].

DISTRIBUTION: AF: Egypt [as "Gebel Elba"]. PA: Syria.

EGYPTIAN LOCALITIES: Gebel Elba: Wadi Edeib & Wadi Kanssissrob.

DATES OF COLLECTION: January.

Genus **PYCNOPOGON** Loew

Pycnopogon Loew, 1847: 526. Type species: *Dasyopogon apiformis* Loew, 1847, by monotypy.

***Pycnopogon melanostomus* Loew, 1874**

Pycnopogon melanostomus Loew, 1874: 415. Type locality: Iran (Shahrud).

DISTRIBUTION: PA: Egypt, Iran, Kazakhstan, Russia.

EGYPTIAN LOCALITIES: Eastern Desert: Suez Road, Wadies south east of Cairo.

DATES OF COLLECTION: March and May.

***Pycnopogon mixtus* (Loew, 1847)**

Dasypogon mixtus Loew, 1847: 531. Type locality: Greece (Makri).

DISTRIBUTION: PA: ?Egypt, Greece, Iran, Israel, Jordan, Russia, Transcaucasia, Turkey.

EGYPTIAN LOCALITIES: Unknown.

DATES OF COLLECTION: Unknown.

Genus **SCYLATICUS** Loew

***Scylaticus* Loew, 1858: 349, Type species: *Scylaticus zonatus* Loew, 1858, by designation of Engel (1930: 369).**

***Scylaticus miniatus* Becker, 1915**

Scylaticus miniatus Becker, 1915: 310. Type locality: Tunisia (Ain Draham).

DISTRIBUTION: PA: Bosnia Herzegovina, Croatia, Egypt, Greece, Macedonia, Serbia, Slovenia, Tunisia.

EGYPTIAN LOCALITIES: Coastal Strip: Abu Sir, Burg

DATES OF COLLECTION: May.

Genus **SISYRNODYTES** Loew

***Sisyrnodytes* Loew, 1856: 40. Type species: *Sisyrnodytes floccus* Loew, 1856 [*Acnephalum nilicola* Rondani, 1850], by monotypy.**

***Sisyrnodytes nilicola* (Rondani, 1850)**

Acnephalum nilicola Rondani, 1850: 186. Type species: Egypt.

Sisyrnodytes floccus Loew, 1856: 40. Type locality: Egypt.

Dasyopogon contrarius Walker, 1871a: 257. Type locality: Egypt (South Sinai: Mount Sinai).

Sisyrnodytes rufus Séguy, 1931: 655. Type locality: Algeria [as "Fort de l'Eau"].

Sisyrnodytes brevis [of authors, not Macquart].

DISTRIBUTION: AF: Egypt [as "Gebel Elba"], Yemen. PA: Algeria, Egypt, Israel, Libya, Middle Asia, Morocco, Russia, Tunisia.

EGYPTIAN LOCALITIES: Common in all Egyptian ecological zones.

DATES OF COLLECTION: February to September.

Genus **STENOPOGON** Loew

Stenopogon Loew, 1847: 453 (as subgenus of *Dasyopogon*). Type species: *Asilus sabaudus* Fabricius, 1794, by designation of Rondani (1856: 158).

Stenopogon elongatissimus Efflatoun, 1937

Stenopogon elongatissimus Efflatoun, 1937: 258. Type locality: Egypt (Amriah, Mallaha, Mariout, Matrouh, Salloum, Wadi Gedeirat, Wadi Hataim) [7S (1 destroyed & 2 damaged) in ESEC].

DISTRIBUTION: PA: Israel, Egypt.

EGYPTIAN LOCALITIES: Coastal Strip: Amriah, Burg Dekheila, Ikingi Mariout, Mallaha, Matrouh, Salloum; Eastern Desert: Wadi Hataim; Western Desert: Dakhla Oasis; Sinai: Wadi Gedeirat.

DATES OF COLLECTION: April to August.

Stenopogon elongatus (Meigen, 1804)

Asilus elongatus Meigen, 1804: 248. Type locality: France.

Asilus loewi Schiner, 1866a. *Nomen nudum*.

DISTRIBUTION: PA: Egypt, France, Greece, Hungary, Iran, Israel, Romania, Russia, Tunisia, Turkey.

EGYPTIAN LOCALITIES: Coastal Strip: Abu Sir, Amriah, Burg Ikingi Mariout, Matrouh, Salloum.

DATES OF COLLECTION: April and June.

Stenopogon heteroneurus (Macquart, 1838)

Dasyopogon heteroneurus Macquart, 1838: 41. Type locality: Algeria.

DISTRIBUTION: PA: Algeria, Egypt, Iran, Israel, Middle Asia, Morocco, Russia, Tunisia.

EGYPTIAN LOCALITIES: Coastal Strip: Amriah, Burg Dekheila, Ikingi Mariout, Mallaha, Salloum; Eastern Desert: Ogret El Sheikh, Wadi Hoff; Sinai: Wadi Gedeirat.

DATES OF COLLECTION: May to July.

Stenopogon sciron (Loew, 1873)

Scleropogon sciron Loew, 1873: 130. Type locality: Iran (Schahkuh).

Scleropogon theseus Loew, 1873: 132. Type locality: USSR (Astrachan).

DISTRIBUTION: PA: Afghanistan, China, Egypt, Iran, Russia, Transcaucasia, Turkey.

EGYPTIAN LOCALITIES: Unknown.

DATES OF COLLECTION: Unknown.

Subfamily STICHOPOGONINAE Hardy

Genus CLINOPOGON Bezzi

Clinopogon Bezzi, 1910: 153. Type species: *Clinopogon sauteri* Bezzi, 1910, by original designation.

Clinopogon nicobarensis (Schiner, 1868)

Stichopogon nicobarensis Schiner, 1868: 161. Type locality: Nicobar Islands (Kondul).

Clinopogon sauteri Bezzi, 1910: 153, sensu Geller Grimm, 2002. Type locality: Taiwan (Takao).

Stichopogon grossus Bromley, 1947: 112. Type locality: South Africa.

DISTRIBUTION: PA: Egypt, Japan. AF: Madagascar, Mascarene Islands. AU: Solomon Islands, Australia (Queensland). OR: Cambodia, India, Indonesia, Malaysia, Nicobar Islands, Philippines, Sulawesi (Indonesia), Taiwan.

EGYPTIAN LOCALITIES: Eastern Desert: Ghardaka [= Hurghada].

DATES OF COLLECTION: July to September.

Genus EREMODROMUS Zimin

Eremodromus Zimin, 1928: 21. Type species: *Eremodromus noctivagus* Zimin, 1928, by original designation.

Turkmenomyia Paramonov 1930b: 335. *Turkmenomyia gracilis*
Paramonov, 1930: 335, by original designation.
Parastichopogon Theodor 1980: 335. *Stichopogon flaviventris* Efflatoun,
1937: 335, by original designation.

Eremodromus flaviventris (Efflatoun, 1937)
Stichopogon flaviventris Efflatoun, 1937: 335. Type locality: Egypt (El
Arish, Gebel Elba) [5S in ESEC & 2S in CUE].
DISTRIBUTION: AF: Egypt [as "Gebel Elba"]. PA: Egypt, Israel, Syria.
EGYPTIAN LOCALITIES: Sinai: El Arish; Gebel Elba.
DATES OF COLLECTION: January to May.

Genus **RHADINUS** Loew

Rhadinus Loew, 1856: 38. Type species: *Rhadinus unguinus* Loew,
1856, by designation of Engel (1929: 269).

Rhadinus khargaiensis Efflatoun, 1937
Rhadinus khargaiensis Efflatoun, 1937: 237. Type locality: Egypt
(Kharga Oasis) [2S in ESEC].
DISTRIBUTION: PA: Egypt.
EGYPTIAN LOCALITIES: Western Desert: Kharga Oasis.
DATES OF COLLECTION: September.

Rhadinus megalonix Loew, 1856
Rhadinus megalonix Loew, 1856: 39. Type locality: Egypt.
DISTRIBUTION: AF: Egypt (Gebel Elba), Sudan, Yemen. PA: Egypt, Iran,
Iraq, Israel, Libya, Russia, Syria, Tunisia, Transcaucasia.
EGYPTIAN LOCALITIES: Coastal Strip: Alexandria, Abu Kir, Burg
Mallaha, Port Said; Lower Nile Valley: Helwan, Kafr Hakim,
Kirdassa, Mansouriah, Mazghouna, Pyramids; Eastern Desert: Abu
Sultan, Fayed, Geneifa, Hurghada, Serapium, Wadi Garariyat, Wadi
Gharageed, Wadi Rishrash, Wasfia; Western Desert: Baharia Oasis,
Kharga Oasis, Siwa Oasis; Fayoum: ?; Upper Nile Valley: Along the
Nile Valley; Sinai: Wadi Moweileh; Gebel Elba: ?.
DATES OF COLLECTION: February to October.

Rhadinus tewfiki Efflatoun, 1937
Rhadinus tewfiki Efflatoun, 1937: 243. Type locality: Egypt (Red Sea

Coast) [22S (5 destroyed) in ESEC].

DISTRIBUTION: AF: Egypt [as "Gebel Elba"]. PA: Egypt.

EGYPTIAN LOCALITIES: Eastern Desert: Fayed, Geneifa, Ghobbet El Bous, Hurghada, Wadi Garawi, Wadi El Siala; Fayoum; Sinai: El Shut, El Tor, Wadi Moweileh; Gebel Elba.

DATES OF COLLECTION: March to September.

Rhadinus unguinus Loew, 1856

Rhadinus unguinus Loew, 1856: 38. Type locality: Egypt.

DISTRIBUTION: AF: Yemen. PA: Egypt, Israel, Tunisia.

EGYPTIAN LOCALITIES: Coastal Strip: Amriah, Burg Dekheila, Hammam, Ikingi Mariout, Mallaha, Matrouh, Mex, Nuzha, Salloum; Eastern Desert: Abu Soueir.

DATES OF COLLECTION: May to July.

Genus **STICHOPOGON** Loew

Stichopogon Loew, 1847: 499 (as subgenus of *Dasyopogon*). Type species: *Dasyopogon elegantulus* Wiedemann, 1820, by designation of Back (1909: 332).

Discodamalis Karsch, 1888: 374. Type species: *Discodamalis debilis* Karsch, 1888, by original designation and monotypy.

Echinopogon Bezzi, 1910: 131. Type species: *Dasyopogon albofasciatus* Meigen, 1820, by original designation.

Neopogon Bezzi, 1910: 147. Type species: *Dasyopogon trifasciatus* Say, 1823, by original designation.

Cryptopogon White, 1918: 76. Type species: *Cryptopogon vernaculus* White, 1918, by original designation.

Stilopogon Costa, 1884: 62. Misspelling of *Stichopogon*.

Subgenus **STICHOPOGON** Loew (Nominate subgenus)

Stichopogon (Stichopogon) albellus Loew, 1856

Stichopogon albellus Loew, 1856: 38. Type locality: Egypt.

DISTRIBUTION: PA: Egypt, Iran, Israel.

EGYPTIAN LOCALITIES: Lower Nile Valley: Abu Rawash, Ein Shams, Ezbet El Nakhl, Helwan, Kafr Hakim, Kirdassa, Mansouriah, Marg Mazghouna; Eastern Desert: Geneifa, Hurghada, Wadi Dar El

Maskhara, Wadi Gendali; Western Desert: Dahshour, Kharga Oasis, Sakkara; Sinai: Wadi Gedeirat.

DATES OF COLLECTION: January to September.

***Stichopogon (Stichopogon) beckeri* Bezzi, 1910**

Stichopogon beckeri Bezzi, 1910: 44. Type locality: Egypt (Alexandria).

DISTRIBUTION: PA: Cape Verde, Egypt.

EGYPTIAN LOCALITIES: Coastal Strip: Alexandria, Burg

DATES OF COLLECTION: May.

***Stichopogon (Stichopogon) chrysostoma* Schiner, 1867**

Stichopogon chrysostoma Schiner, 1867: 364. Type locality: Egypt.

Stichopogon lucidiventris Becker, 1902: 3. Type locality: Egypt

(Alexandria).

DISTRIBUTION: AF: Egypt [as "Gebel Elba"]. PA: Cyrus, Egypt, Iran, Israel, Kazakhstan, Libya, Middle Asia, Mongolia, Russia, Turkey.

EGYPTIAN LOCALITIES: Common in all Egyptian ecological zones.

DATES OF COLLECTION: March to September.

***Stichopogon (Stichopogon) elegantulus* (Wiedemann, 1820)**

Dasypogon elegantulus Wiedemann, 1820: 270. Type locality: Portugal.

Stichopogon aequecinctus Costa, 1844: 62. Type locality: Italy

(Sardinia).

Stichopogon tener Loew, 1847: 503. Type locality: Turkey (Patra and Xanthus).

Stichopogon frauenfeldi Egger, 1855: 5. Type locality: Austria.

Stichopogon riparius Loew, 1871: 93. Type locality: Spain (Carthago nova).

Stichopogon caspicus Richter, 1963: 466. Type locality: Azerbaijan (Talysch).

DISTRIBUTION: PA: Algeria, Austria, Bosnia Herzegovina, Bulgaria, Corse, Croatia, France, Egypt, Germany, Hungary, Israel, Italy, Macedonia, Malta, Middle Asia, Morocco, Portugal, Russia, Serbia, Slovenia, Spain, Switzerland, The Netherlands, Transcaucasia, Tunisia, Turkey.

EGYPTIAN LOCALITIES: Coastal Strip: Abu Kir, Alexandria, Max, Mariout, Matrouh, Ramleh, Salloum; Lower Nile Valley: Abu Rawash, Ezbet El Nakhl, Helwan, Mansouriah; Eastern Desert: Ismailia, Wadi Dar El Maskhara, Wadi Garawi, Wadi Um Elek, Wadi Zohleiga; Western Desert: Dahshour, Sakkara; Upper Nile Valley: Aswan; Sinai: El Arish, Rafah, Wadi Gedeirat.

DATES OF COLLECTION: March to August.

Stichopogon (Stichopogon) inconstans (Wiedemann, 1828)

Thereva inconstans Wiedemann, 1828: 558. Type locality: Egypt or Sudan [as "Nubien"].

DISTRIBUTION: AF: ? Egypt [as "Gebel Elba"], Ethiopia, Sudan, Yemen.

EGYPTIAN LOCALITIES: Unknown.

DATES OF COLLECTION: Unknown.

Stichopogon (Stichopogon) marinus Efllatoun, 1937

Stichopogon marinus Efllatoun, 1937: 39. Type locality: Egypt (Red Sea shore at Hurghada) [28S (14 destroyed) in ESEC & 56S in CUE].

DISTRIBUTION: PA: Egypt.

EGYPTIAN LOCALITIES: Eastern Desert: Hurghada "= Ghardaka".

DATES OF COLLECTION: July.

Stichopogon (Stichopogon) maroccanus (Becker, 1913)

Clinopogon sauteri Bezzi, 1910: 153, 1910: sensu Efllatoun, 1937.

Clinopogon maroccanus Becker, 1913: 66. Type locality: Morocco (Tanger).

DISTRIBUTION: PA: Egypt, Morocco.

EGYPTIAN LOCALITIES: Unknown.

DATES OF COLLECTION: Unknown.

Stichopogon (Stichopogon) pusio (Macquart in Lucas, 1849)

Dasyopogon pusio Macquart in Lucas, 1849: 438. Type locality: Algeria.

Stichopogon griseomaculatus Villeneuve, 1910: 303. Type locality: Tunisia.

DISTRIBUTION: AF: Egypt [as "Gebel Elba"]. PA: Algeria, Morocco, Tunisia.

EGYPTIAN LOCALITIES: Gebel Elba: Wadi Edeib.

DATES OF COLLECTION: January.

Stichopogon (Stichopogon) scaliger Loew, 1847

Stichopogon scaliger Loew, 1847: 501. Type locality: Italy [as "Sudlichen Russland"].

Stichopogon congener Loew, 1856: 37. Type locality: ?Egypt.

DISTRIBUTION: PA: Bulgaria, Czech Republic, Egypt, France, Greece, Iran, Italy, Kazakhstan, Romania, Russia, Slovakia, Turkey.

EGYPTIAN LOCALITIES: Unknown.

DATES OF COLLECTION: Unknown.

Subfamily TRIGONOMIMINAE Enderlein

Genus DAMALIS Fabricius

Damalis Fabricius, 1805: 147. Type species: *Damalis planiceps* Fabricius, 1805, designated by I.C.Z.N. (1985: 264).

Xenomyza Wiedemann, 1817: 60. Type species: *Damalis planiceps* Fabricius, 1805, by designation of Coquillett (1910: 620).

Chalcidimorpha Westwood, 1835: 684. Type species: *Chalcidimorpha fulvipes* Westwood, 1835, by monotypy.

Chalcidomorpha Agassiz, 1846b: 76. Unjustified emendation of *Chalcidimorpha* Westwood.

Icariomima Enderlein, 1914a: 163. Type species: *Icariomima coeruleiventris* Enderlein, 1914a, by original designation.

Lasiodamalis Hermann, 1926: 186. Type species: *Damalis capensis* Wiedemann, 1828 [= *Dioctria heterocera* Wiedemann, 1821], by original designation.

Lophurodamalis Hermann, 1926: 188. Type species: *Damalis hirtiventris* Macquart, 1846, by original designation.

Aireina Frey, 1934: 312. Type species: *Aireina paradoxa* Frey, 1934, by original designation.

Protodamalis Hull, 1962: 55. Type species: *Protodamalis elongates* Hull, 1962, by original designation.

Zygocolon Hull, 1962: 56. Type species: *Zygocolon compactus* Hull, 1962, by original designation.

Damalis cinctipes (Walker, 1871)

Dasygogon cinctipes Walker, 1871: 260. Type locality: Egypt. *Nomen dubium*.

DISTRIBUTION: AF: Egypt.

EGYPTIAN LOCALITIES: Unknown.

DATES OF COLLECTION: Unknown.

Family **BOMBYLIIDAE**

Subfamily **USIINAE** Becker

Tribe **APOLYSINI** Evenhuis

Genus **APOLYSIS** Loew

Apolysis Loew, 1860a: 86. Type species: *Apolysis humilis* Loew, 1860, by monotypy.

Rhabdopselaphus Bigot, 1886. Type species: *Rhabdopselaphus mus* Bigot, 1886, by monotypy.

Pseudogeron Cresson, 1915: 201. Type species: *Pseudogeron mitis* Cresson, 1915, by original designation.

Dagestania Paramonov, 1929a: 133(195). Type species: *Dagestania pusilla* Paramonov, 1929, by original designation.

Apolysis eremophila Loew, 1873

Apolysis eremophila Loew, 1873: 199. Type locality: Uzbekistan.

DISTRIBUTION: PA: Afghanistan, Canary Island, Croatia, Egypt, Hungary, Iran, Israel, Italy, Spain, Tunisia, Turkmenistan, Uzbekistan.

EGYPTIAN LOCALITIES: Eastern Desert: Ismailia.

DATES OF COLLECTION: April.

Apolysis ornata (Engel, 1932)

Usia ornata Engel, 1932: 76. Type locality: Egypt (Burg El Arab) [15S (destroyed) in ESEC; 5 in CUE].

Usia tomentosa Engel, 1932: 78. Type locality: Egypt [H (destroyed) in ESEC].

DISTRIBUTION: PA: Egypt, Morocco.

EGYPTIAN LOCALITIES: Coastal Strip: Burg El Arab.

DATES OF COLLECTION: March.

Tribe **USIINI** Evenhuis

Genus **PARAGERON** Paramonov

Parageron Paramonov, 1929a: 189(127). Type species: *Parageron*

orientalis Paramonov, 1929 [= *Usia lutescens* Bezzi, 1925], by monotypy.

Parageron gratus (Loew in Rosenhauer, 1856)

Usia grata Loew in Rosenhauer, 1856: 380. Type locality: Spain.

DISTRIBUTION: PA: Egypt, Italy, Morocco, Spain.

EGYPTIAN LOCALITIES: Coastal Strip: El Borg Mariout.

DATES OF COLLECTION: February to June.

Parageron lutescens (Bezzi, 1925)

Usia lutescens Bezzi, 1925: 180. Type locality: Egypt [1S in ESEC].

Parageron orientalis Paramonov, 1929a: 189(127). Type locality: Turkmenistan.

Usia lutescens var. *minor* Efflatoun, 1945: 223. Type locality: Egypt (Mallaha) [1S (damaged) in ESEC].

DISTRIBUTION: PA: Egypt, Turkmenistan, Uzbekistan.

EGYPTIAN LOCALITIES: Coastal Strip: Mallaha; Lower Nile Valley: Abu Rawash, El Katta, Kafr Hakim, Kirdassa; Eastern Desert: Wadies south east of Cairo; Western Desert: Kharga, Wadi El Nosousy.

DATES OF COLLECTION: May to August.

Genus **USIA** Latreille

Volucella Fabricius, 1794: 412. Type species: *Volucella florea* Fabricius, 1794, automatic, by designation of type species for *Usia* Latreille.

Usia Latreille, 1802: 430. Unjustified new replacement name for *Volucella* Fabricius, 1794. Type species: *Volucella florum* Fabricius, 1794, by subsequent designation (Latreille, 1810: 443).

Zerinthia Rafinesque, 1815: 130. Unnecessary replacement name for *Usia* Latreille, 1802. Type species: *Volucella florea* Fabricius, 1794, automatic.

Volvicella. Incorrect original spelling of *Volucella* (Fabricius, 1794: last unnumbered page of index).

Subgenus **MICRUSIA** Evenhuis

Micrusia Evenhuis, 1990: 38. Type species: *Usia forcipata* Brullé, 1833, by original designation.

Usia (Micrusia) aurata (Fabricius, 1794)

Voluccella aurata Fabricius, 1794: 413. Type locality: Algeria or Tunisia [as "Barbariae"].

Usia taeniolata Costa, 1883: 103. Type locality: Italy (Sardinia).

DISTRIBUTION: PA: Algeria, Armenia, Azerbaijan, Egypt, France, Gibraltar, Gruzia, Iran, Israel, Italy (Sardinia, Sicily), Kuwait, Kyrgyz Republic, Libya, Morocco, Spain, Tajikistan, Tunisia, Turkmenistan, Uzbekistan.

EGYPTIAN LOCALITIES: Coastal Strip: Amriah, Burg Hammam, Mariout.

DATES OF COLLECTION: January and March.

Subgenus **USIA** Latreille
(Nominate subgenus)

Usia (Usia) bicolor Macquart, 1855

Usia bicolor Macquart, 1855: 103(83). Type locality: Egypt.

DISTRIBUTION: PA: Bosnia Herzegovina, Croatia, Egypt, Greece, Israel, Italy, Kyrgyz Republic, Lebanon, Slovenia, Syria, Turkey, Tajikistan, Turkmenistan, Uzbekistan, Yugoslavia.

EGYPTIAN LOCALITIES: Eastern Desert: Kewal El Nedayet

DATES OF COLLECTION: February.

Usia (Usia) deserticola Efflatoun, 1945

Usia deserticola Efflatoun, 1945: 208. Type locality: Egypt (Sinai: Wadi El Lega) [H in ESEC].

DISTRIBUTION: PA: Egypt.

EGYPTIAN LOCALITIES: Eastern Desert: Agramieh, Wadi Wirak; Sinai: Wadi El Lega.

DATES OF COLLECTION: March and April.

Usia (Usia) efflatouni Venturi, 1948

Usia bicolor Efflatoun, 1945: 206. Type locality: Egypt (Eastern Desert: Kewal El Nedayet) [2S (1 damaged & 1 destroyed) in ESEC].
Preoccupied by Macquart, 1855.

Usia efflatouni Venturi, 1948: 129. New replacement name for *Usia bicolor* Efflatoun, 1945.

DISTRIBUTION: PA: Egypt.

EGYPTIAN LOCALITIES: Eastern Desert: Kewal El Nedayet.

DATES OF COLLECTION: February.

Usia (Usia) elbae Efflatoun, 1945

Usia elbae Efflatoun, 1945: 210. Type locality: Egypt (Gebel Elba) [6S in CUE; 24S (8 destroyed & 11 damaged) in ESEC].

DISTRIBUTION: AF: Egypt [as "Gebel Elba"], Sudan. PA: Egypt.

EGYPTIAN LOCALITIES: Gebel Elba: Wadi Edeib, Wadi Kanssissrob; Sinai: Wadi Firan.

DATES OF COLLECTION: January to July.

Usia (Usia) flavipes Efflatoun, 1945

Usia flavipes Efflatoun, 1945: 212. Type locality: Egypt (Sinai: Wadi El Lega) [H (destroyed) in ESEC].

DISTRIBUTION: PA: Egypt.

EGYPTIAN LOCALITIES: Sinai: Wadi El Lega.

DATES OF COLLECTION: June.

Usia (Usia) grisea Efflatoun, 1945

Usia grisea Efflatoun, 1945: 214. Type locality: Egypt (Gebel Elba: Wadi Ehameib) [H in ESEC].

DISTRIBUTION: AF: Egypt [as "Gebel Elba"], Sudan.

EGYPTIAN LOCALITIES: Gebel Elba: Wadi Ehameib.

DATES OF COLLECTION: February.

Usia (Usia) ignorata Becker, 1906

Usia ignorata Becker, 1906a: 15. Type locality: Tunisia & Syria.

DISTRIBUTION: AF: Sudan. PA: Algeria, Egypt, Israel, Morocco, Spain, Syria, Tunisia.

EGYPTIAN LOCALITIES: Coastal Strip: Mariout district from Abdul Kader to Hammam; Lower Nile Valley: Abu Rawash, Kafr Hakim, Mazghouna; Western Desert: Sakkara.

DATES OF COLLECTION: February and March.

Usia (Usia) inornata Engel, 1932

Usia inornata Engel, 1932: 74. Type locality: Egypt (Gebel Elba) [4S in ESEC].

DISTRIBUTION: AF: Egypt [as "Gebel Elba"], Sudan.

EGYPTIAN LOCALITIES: Gebel Elba: Wadi Edeib.

DATES OF COLLECTION: January to March.

Usia (Usia) minuscula Efflatoun, 1945

Usia minuscula Efflatoun, 1945: 224. Type locality: Egypt (Gebel Elba)

[15S in CUE; 12S (4 destroyed & 1 damaged) in ESEC].
DISTRIBUTION: AF: Egypt [as "Gebel Elba"], Sudan.
EGYPTIAN LOCALITIES: Gebel Elba: Wadi Edeib, Wadi Kanssissrob.
DATES OF COLLECTION: March & April.

Usia (Usia) parvula Efflatoun, 1945

Usia parvula Efflatoun, 1945: 229. Type locality: Egypt (Gebel Elba: Wadi Ehameib) [2S in ESEC].
DISTRIBUTION: AF: Egypt [as "Gebel Elba"], Sudan.
EGYPTIAN LOCALITIES: Gebel Elba: Wadi Ehameib.
DATES OF COLLECTION: February

Usia (Usia) tewfiki Efflatoun, 1945

Usia tewfiki Efflatoun, 1945: 230. Type locality: Egypt (Bir Abrug & Wadi Ibib) [2S (1 damaged) in ESEC; 1S in CUE].
DISTRIBUTION: AF: Egypt [as "Gebel Elba"]. PA: Egypt.
EGYPTIAN LOCALITIES: Eastern Desert: Bir Abrug; Gebel Elba: Wadi Ibib.
DATES OF COLLECTION: February & March.

Subfamily **PHTHIRIINAE** Becker

Tribe **PHTHIRIINI** Becker

Genus **PHTHIRIA** Meigen

Phthiria Meigen, 1803: 268. Type species: *Bombylius pulicarius* Mikan, 1796, by monotypy.
Ptimia Rafinesque, 1815: 221. Unnecessary replacement name for *Phthiria* Meigen, 1803. Type species: *Bombylius pulicarius* Mikan, 1796, automatic.

Phthiria gaedii Wiedemann in Meigen, 1820

Phthiria gaedii Wiedemann in Meigen, 1820: 221. Type locality: Austria.

Phthiria maculata Wiedemann in Meigen, 1820: 221. Type locality: Austria.

Phthiria punctata Meigen, 1835: 68 [1838: 67]. Type locality: Austria.

Phthiria zimmermanni Nowicki, 1868: 347. Type locality: Ukraine [as “Ostgalizien”].

Phthiria gaedei Engel, 1933: 144. Unjustified emendation of *Phthiria gaedii* Wiedemann, 1820.

DISTRIBUTION: PA: Afghanistan, Albania, Algeria, Austria, Belarus, Bosnia Herzegovina, Bulgaria, Croatia, Czech Republic, Egypt, Estonia, France, Greece, Hungary, Iran, Israel, Italy, Latvia, Lithuania, Macedonia, Moldova, Morocco, Poland, Romania, Russia, Slovenia, Spain, Ukraine.

EGYPTIAN LOCALITIES: Coastal Strip: from Mariout to Salloum.

DATES OF COLLECTION: April.

Phthiria minuta (Fabricius, 1805)

Volucella minuta Fabricius, 1805: 115. Type locality: France [as “Galliae”].

Phthiria maura Wiedemann in Meigen, 1820: 222. Type locality: Austria.

DISTRIBUTION: PA: Austria, Belgium, Czech Republic, Egypt, France, Germany, Greece, Hungary, Italy, Kazakhstan, Kyrgyz Republic, Mongolia, Morocco, Poland, Tajikistan, Turkmenistan, Uzbekistan, Yugoslavia.

EGYPTIAN LOCALITIES: Unknown.

DATES OF COLLECTION: Unknown.

Phthiria salmayensis Efflatoun, 1945

Phthiria salmayensis Efflatoun, 1945: 112. Type locality: Egypt (South Sinai: Wadi El Lega) [51S in CUE; 6S (destroyed) in ESEC].

DISTRIBUTION: PA: Egypt.

EGYPTIAN LOCALITIES: Sinai: St. Catherine Monastery, Wadi El Lega.

DATES OF COLLECTION: June to August.

Phthiria tricolor Bezzi, 1924

Phthiria tricolor Bezzi, 1924b: 19. Type locality: Egypt (Wadi Hoff) [H (destroyed) in ESEC].

DISTRIBUTION: PA: Egypt.

EGYPTIAN LOCALITIES: Eastern Desert: Wadi Hoff, Wadi Rashid.

DATES OF COLLECTION: May & June.

Phthiria unicolor Bezzi, 1925

Phthiria unicolor Bezzi, 1925: 191. Type locality: Egypt (Wadi Rashid) [2S (destroyed) in ESEC].

DISTRIBUTION: PA: Egypt, ?Oman.

EGYPTIAN LOCALITIES: Eastern Desert: Wadi Hoff, Wadi Rashid, Wadi Rishrash.

DATES OF COLLECTION: April & May.

Phthiria xanthaspis Bezzi, 1925

Phthiria xanthaspis Bezzi, 1925: 192. Type locality: Egypt (Mariout) [37S in CUE; 3S (destroyed) in ESEC].

DISTRIBUTION: PA: Egypt.

EGYPTIAN LOCALITIES: Coastal Strip: Burg El Arab, Mariout; Lower Nile Valley: Abu Rawash, Kafr Hakim, Kirdassa.

DATES OF COLLECTION: April to June.

Subfamily TOXOPHORINAE Schiner

Tribe GERONTINI Hesse

Genus GERON Meigen

Geron Meigen, 1820: 223. Type species: *Geron gibbosus* Meigen, 1820 [= *Bombylius gibbosus* Olivier, 1789], by subsequent designation (Duponchel in d'Orbigny, 1845: 206).

Amictogeron Hesse, 1938: 918. Type species: *Amictogeron meromelanus* Hesse, 1938, by original designation.

Subgenus GERON Meigen
(Nominate subgenus)

Geron (Geron) efflatouni Greathead in Evenhuis & Greathead, 1999
Geron efflatouni Greathead in Evenhuis & Greathead, 1999: 683. Type locality: Saudi Arabia.

DISTRIBUTION: PA: Egypt, Israel, Saudi Arabia, Tunisia.

EGYPTIAN LOCALITIES: Sinai: North Sinai.

DATES OF COLLECTION: May.

Geron (Geron) erythropus Bezzi, 1925

Geron gibbosus var. *erythropus* Bezzi, 1925: 197. Type locality: Egypt [S (destroyed) in ESEC].

DISTRIBUTION: AF: Egypt [as "Gebel Elba"]. PA: Egypt.

EGYPTIAN LOCALITIES: Coastal Strip: Alexandria, Amriah, Burg Dekheila, Matrouh, Nuzha, Ramleh; Lower Nile Valley: Barrage, Cairo, Delta, Kafr Hakim, Shoubra; Eastern Desert: Suez Road, Wadi Gharaba, Wadi Hoff, Wadi Ogret El Naga; Fayoum; Sinai: Ein Gedeirat, Gebel Moussa, Wadi Firan; Gebel Elba.

DATES OF COLLECTION: January to October.

Geron (Geron) garagniae Efflatoun, 1945

Geron garagniae Efflatoun, 1945: 137. Type locality: Egypt (South Sinai and Eastern Desert) [18S in CUE; 4S (destroyed) in ESEC].

DISTRIBUTION: PA: Egypt.

EGYPTIAN LOCALITIES: Coastal Strip: Burg Eastern Desert: Wadi Askhar (North Galala), Wadi Garawi; Sinai: Gebel Moussa, Wadi El Lega, Wadi Garagneyia.

DATES OF COLLECTION: March to September.

Geron (Geron) halteralis Wiedemann in Meigen, 1820

Geron halteralis Wiedemann in Meigen, 1820: 224. Type locality: Portugal.

Geron albidulus François, 1969: 124. Type locality: Spain.

DISTRIBUTION: PA: Egypt, France (incl. Corsica), Greece, Italy (incl. Sardinia), ?Libya, Portugal, Spain.

EGYPTIAN LOCALITIES: Coastal Strip: Alexandria, Mariout, Ramleh; Lower Nile Valley: Cairo; Eastern Desert: Suez; Sinai.

DATES OF COLLECTION: January to October.

Geron (Geron) intonsus Bezzi, 1925

Geron intonsus Bezzi, 1925: 196. Type locality: Egypt (Mariout) [2S (destroyed) in ESEC].

DISTRIBUTION: PA: Egypt.

EGYPTIAN LOCALITIES: Coastal Strip: Mariout; Lower Nile Valley: Gezerah; Eastern Desert: Kassassein, Wadies south east of Cairo.

DATES OF COLLECTION: April to June.

Geron (Geron) longiventris Efflatoun, 1945

Geron longiventris Efflatoun, 1945: 149. Type locality: Egypt (Abu Soueir, Dakhla Oasis, Geneifa, Salloum, Wadi Ambaga, Wadi Rishrash) [4S in CUE; 5S (destroyed) in ESEC].

Geron roborovskii Zaitzev, 1996: 687 [1998a: 1077]. Type locality: Israel.

DISTRIBUTION: PA: China, Egypt, Israel, Tajikistan, Uzbekistan.

EGYPTIAN LOCALITIES: Coastal Strip: Salloum; Eastern Desert: Abu Soueir, Geneifa, Wadi Ambaga, Wadi Rishrash; Western Desert: Dakhla Oasis.

DATES OF COLLECTION: March to June.

Geron (Geron) macquarti Greathead in Evenhuis & Greathead, 1999
Geron macquarti Greathead in Evenhuis & Greathead, 1999: 680. Type locality: Greece (Lesbos) [3P in CUE].

DISTRIBUTION: PA: Egypt, Greece (incl. Lefkas, Lesbos), Italy, Malta, Morocco, Tunisia, Turkey.

EGYPTIAN LOCALITIES: Sinai: Ein Gehaier, Wadi El Arbaein.

DATES OF COLLECTION: May.

Tribe TOXOPHORINI Schiner

Genus TOXOPHORA Meigen

Toxophora Meigen, 1803: 270. Type species: *Toxophora maculata* Meigen, 1804 [preoccupied, = *Asilus fasciculatus* Villers, 1789], by subsequent monotypy (Meigen, 1804: 273).

Eniconevra Macquart, 1840: 110 [1841: 388]. Type species: *Eniconevra fuscipennis* Macquart, 1840, by monotypy.

Heniconevra Agassiz, 1846b: 138, 178. Unjustified emendation of *Eniconevra* Macquart, 1840. Type species: *Eniconevra fuscipennis* Macquart, 1840, automatic.

Heniconevra Bezzi, 1903: 189. Unjustified emendation of *Eniconevra* Macquart, 1840. Type species: *Eniconevra fuscipennis* Macquart, 1840, automatic.

Toxomyia Hull, 1973: 232 (as subgenus of *Toxophora* Meigen). Type species: *Toxophora maxima* Coquillett, 1886, by original designation.

Enicocera, error for *Eniconevra*.

Toxophora aegyptiaca Eflatoun, 1945

Toxophora aegyptiaca Eflatoun, 1945: 187. Type locality: Egypt (Eastern Desert: Wadies south east of Cairo; Gebel Elba: Halayeb; Sinai: Bir Islah) [15S in CUE; 8S (6 destroyed) in ESEC; 5S lost].

DISTRIBUTION: AF: Egypt [as "Gebel Elba"], Sudan. PA: Egypt, Oman, Saudi Arabia.

EGYPTIAN LOCALITIES: Lower Nile valley: Helwan; Eastern Desert: Wadies south east of Cairo; Sinai: Bir Islah, Wadi El Elwa, Wadi El Lega; Gebel Elba: Halayeb, Wadi Ibtadi.
DATES OF COLLECTION: January to September.

Toxophora bezzii Paramonov, 1933
Toxophora bezzii Paramonov, 1933a: 35, 44. Type locality: Egypt.
DISTRIBUTION: PA: Egypt, Israel.
EGYPTIAN LOCALITIES: Eastern Desert: Wadi Um Girfan
DATES OF COLLECTION: April.

Toxophora epargyra Hermann, 1907
Toxophora epargyra Hermann, 1907: 201. Type locality: Turkey.
DISTRIBUTION: AF: Sudan. PA: Armenia, Azerbaijan, Egypt, Gruzia, Syria, Tajikistan, Turkey, Turkmenistan, Uzbekistan.
EGYPTIAN LOCALITIES: Eastern Desert: Wadies south east of Cairo, Helwan. Sinai: Ein Gedeirat.
DATES OF COLLECTION: February to August.

Toxophora fasciculata (Villers, 1789)
Asilus fasciculatus Villers, 1789: 603. Type locality: France.
Asilus maculatus Rossi, 1790: 328. Type locality: Italy. Preoccupied by Müller, 1764.
Toxophora maculata Meigen, 1804: 273. Type locality: France. Preoccupied by Rossi, 1790.
Toxophora maculata var. *completa* Paramonov, 1933a: 34, 42. Type locality: Turkmenistan.
DISTRIBUTION: AF: Egypt [as "Gebel Elba"], Sudan. PA: Algeria, Armenia, Austria, Azerbaijan, Bulgaria, Croatia, Cyprus, Czech Republic, Egypt, France (incl. Corsica), Germany, Greece (incl. Zakynthos), Gruzia, Hungary, Iran, Israel, Italy (incl. Sicily), Kazakhstan, Kyrgyz Republic, Lebanon, Libya, Moldova, Morocco, Romania, Russia, Slovakia, Slovenia, Spain, Switzerland, Tajikistan, Turkey, Turkmenistan, Ukraine, Uzbekistan.
EGYPTIAN LOCALITIES: Common everywhere in Egypt.
DATES OF COLLECTION: February to August.

Toxophora leyladea Eflatoun, 1945
Toxophora leyladea Eflatoun, 1945: 190. Type locality: Egypt (Gebel Elba: Wadi Edeib) [1S (destroyed) in ESEC; 1S lost].
DISTRIBUTION: AF: Egypt [as "Gebel Elba"], Sudan.
EGYPTIAN LOCALITIES: Gebel Elba: Wadi Edeib.

DATES OF COLLECTION: January to March.

Subfamily **HETEROTROPINAE** Becker

Genus **HETEROTROPUS** Loew

Heterotropus Loew, 1873: 180, 182. Type species: *Heterotropus albidipennis* Loew, 1873, by monotypy.

Malthacotricha Becker, 1907b: 312. Type species: *Malthacotricha glauca* Becker, 1907, by monotypy.

Heterotropus aegyptiacus Paramonov, 1929

Heterotropus aegyptiacus Paramonov, 1929a: 131(70). Type locality: Egypt (Mansouriah) [1S (destroyed) in ESEC].

DISTRIBUTION: AF: Egypt [as "Gebel Elba"], Sudan. PA: Egypt, Saudi Arabia.

EGYPTIAN LOCALITIES: Lower Nile Valley: Abu Rawash, Kafr Hakim, Mansouriah; Eastern Desert: Wadi Rishrash, Wadi Um Girfan; Gebel Elba.

DATES OF COLLECTION: February to July.

Heterotropus bisglaucus Bezzi, 1925

Heterotropus bisglaucus Bezzi, 1925: 184. Type locality: Egypt (Ma'adi) [H (destroyed) in ESEC].

DISTRIBUTION: PA: Egypt.

EGYPTIAN LOCALITIES: Lower Nile Valley: Ma'adi.

DATES OF COLLECTION: March.

Heterotropus elephantinus Séguy, 1929

Heterotropus elephantinus Séguy, 1929: 62. Type locality: Chad.

DISTRIBUTION: AF: Chad. PA: Egypt.

EGYPTIAN LOCALITIES: Eastern Desert: Wadi Rishrash.

DATES OF COLLECTION: June.

Heterotropus maculiventris Bezzi, 1925

Heterotropus maculiventris Bezzi, 1925: 185. Type locality: Egypt (Wadi Hoff) [H (damaged) in ESEC].

Heterotropus tewfiki Paramonov, 1929a: 147(85). Type locality: Egypt.

DISTRIBUTION: PA: Egypt.

EGYPTIAN LOCALITIES: Lower Nile Valley: Kafr Hakim, Kirdassa;
Eastern Desert: Serapium, Wadi Askhar, Wadi Hoff; Sinai: Ein
Gedeirat.

DATES OF COLLECTION: March and April.

***Heterotropus magnirostris* Bezzi, 1926**

Heterotropus magnirostris Bezzi, 1926: 251. Type locality: Egypt
(Mazghouna) [H (damaged) in ESEC].

DISTRIBUTION: PA: Egypt.

EGYPTIAN LOCALITIES: Lower Nile Valley: Mazghouna.

DATES OF COLLECTION: March.

***Heterotropus nigritarsis* Engel, 1933**

Heterotropus sabulosus var. *nigritarsis* Engel, 1933: 172. Type locality:
Egypt (Wadi Garrariyat) [H (damaged) in ESEC].

DISTRIBUTION: PA: Egypt.

EGYPTIAN LOCALITIES: Eastern Desert: Wadi Garrariyat.

DATES OF COLLECTION: June.

***Heterotropus sabulosus* Paramonov, 1929**

Heterotropus sabulosus Paramonov, 1929a: 144, 211(82, 147). Type
locality: Uzbekistan.

DISTRIBUTION: PA: Egypt, Turkmenistan, Uzbekistan.

EGYPTIAN LOCALITIES: Eastern Desert: Wadi Garrariyat.

DATES OF COLLECTION: June.

***Heterotropus stigmaticus* Bezzi, 1926**

Heterotropus stigmaticus Bezzi, 1926: 248. Type locality: Egypt (Suez
Road) [1S in ESEC].

DISTRIBUTION: AF: Egypt [as "Gebel Elba"], Sudan. PA: Egypt.

EGYPTIAN LOCALITIES: Lower Nile Valley: Mazghouna; Eastern
Desert: Suez Road; Gebel Elba: Wadi Edeib.

DATES OF COLLECTION: February and March.

***Heterotropus xanthothorax* Efflatoun, 1945**

Heterotropus xanthothorax Efflatoun, 1945: 94. Type locality: Egypt
(Wadi Edeib) [H (destroyed) in ESEC].

DISTRIBUTION: AF: Egypt [as "Gebel Elba"], Sudan.

EGYPTIAN LOCALITIES: Gebel Elba: Wadi Edeib.

DATES OF COLLECTION: February.

Subfamily **BOMBYLIINAE** Latreille

Tribe **BOMBYLIINI** Latreille

Genus **ANASTOECHUS** Osten Sacken

Anastoechus Osten Sacken, 1877: 251. Type species: *Anastoechus barbatus* Osten Sacken, 1877, by monotypy.

Anastoechus aegyptiacus Paramonov, 1930

Anastoechus aegyptiacus Paramonov, 1930a: 437(87). Type locality: Egypt.

DISTRIBUTION: PA: Egypt.

EGYPTIAN LOCALITIES: Lower Nile Valley: Cairo.

DATES OF COLLECTION: March.

Anastoechus aurifrons Efflatoun, 1945

Anastoechus aurifrons Efflatoun, 1945: 279. Type locality: Egypt (Eastern Desert: Bir Abrag Sinai: Ein Gedeirat, Wadi El Lega, Wadi Moweileh) [15S in CUE].

DISTRIBUTION: PA: Egypt, Iran.

EGYPTIAN LOCALITIES: Eastern Desert: Bir Abrag Sinai: Ein Gedeirat, Wadi El Elwah, Wadi El Lega, Wadi El Rabba, Wadi Moweileh.

DATES OF COLLECTION: February to June.

Anastoechus bahirae Becker, 1915

Anastoechus bahirae Becker, 1915: 326. Type locality: Tunisia.

Anastoechus fuscipennis Becker, 1915: 326. Type locality: Tunisia.

Anastoechus fuscipennis Becker, 1916: 56. Unjustified emendation of *Anastoechus fuscipennis* Becker, 1915.

Anastoechus bahirae var. *pyramidum* Paramonov, 1940: 271, 404. Type locality: Egypt.

pyramidorum. Incorrect original spelling of *pyramidum* (Paramonov, 1940: 412).

DISTRIBUTION: AF: Egypt [as "Gebel Elba"], Kenya, Sudan. PA: Algeria, Egypt, Israel, Libya, Saudi Arabia, Spain, Syria, Tunisia.

EGYPTIAN LOCALITIES: Coastal Strip: Mariout district; Eastern Desert: Wadi Garawi, Wadi Hoff, Wadi Rishrash; Gebel Elba; Sinai: Ein Gedeirat.

DATES OF COLLECTION: January to May.

Anastoechus exalbidus (Wiedemann in Meigen, 1820)

Bombylius exalbidus Wiedemann in Meigen, 1820: 215. Type locality: Portugal.

DISTRIBUTION: AF: Egypt [as "Gebel Elba"], Sudan, Yemen. PA: Algeria, Armenia, Azerbaijan, Egypt, France, Gruzia, Israel, Italy, Jordan, Kuwait, Lebanon, Oman, Portugal, Saudi Arabia, Spain, Syria, Tunisia, Yugoslavia.

EGYPTIAN LOCALITIES: Lower Nile Valley: Helwan; Eastern Desert: Ismailia, Suez Road, Wadies south east of Cairo; Sinai: Ein Gedeirat, Wadi El Lega, Wadi El Rabba; Gebel Elba: Wadi Edeib, Wadi Kanssissrob.

DATES OF COLLECTION: January to April.

Anastoechus nivifrons (Walker, 1871)

Bombylius nivifrons Walker, 1871b: 271. Type locality: Egypt.

Systoechus niveus Hermann in Hermann & Villeneuve, 1909: 150. Type locality: Egypt. Preoccupied by Macquart, 1855.

Anastoechus albopectinatus Becker & Stein, 1912: 604. *Nomen nudum*.

Anastoechus albopectinatus Becker in Becker & Stein, 1913: 582. Type locality: Iran.

DISTRIBUTION: AF: Egypt [as "Gebel Elba"], Sudan, Yemen. OR: ?Pakistan. PA: Egypt, Iran, Iraq, Israel, Jordan, Kuwait, Lebanon, Oman, Palestine (West Bank), Qatar, Saudi Arabia, Syria, United Arab Emirates.

EGYPTIAN LOCALITIES: Very common everywhere in Egypt.

DATES OF COLLECTION: March to October.

Anastoechus stramineus (Wiedemann in Meigen, 1820)

Bombylius stramineus Wiedemann in Meigen, 1820: 215. Type locality: Portugal.

Bombylius acuticornis Macquart, 1840: 92 [1841: 370]. Type locality: Egypt.

DISTRIBUTION: AF: Egypt [as "Gebel Elba"], Sudan. PA: Algeria, Egypt, France, Israel, Italy, Libya, Portugal, Saudi Arabia, Spain, Tunisia, Turkmenistan.

EGYPTIAN LOCALITIES: Coastal Strip: Mariout; Eastern Desert: Wadies south east of Cairo; Gebel Elba.

DATES OF COLLECTION: January to April.

Anastoechus trisignatus (Portschinsky, 1881)

Systoechus trisignatus Portschinsky, 1881: 136. Type locality: Armenia.

Systoechus retrogradus Becker, 1902: 17. Type locality: Egypt & Algeria [as "Berriane in der Sahara].

Anastoechus trisignatus retrogradus var. *weneri* Paramonov, 1930a: 472(122). Unavailable infrasubspecific name not treated at the subspecies or species level before 1961.

Anastoechus weneri Paramonov, 1930a: 476(126). Type locality: Algeria.

Anastoechus trisignatus ssp. *fulvojubatus* François, 1967a: 276. Type locality: Israel.

DISTRIBUTION: AF: Egypt [as "Gebel Elba"], Sudan, Yemen. PA: Algeria, Armenia, Azerbaijan, Bosnia Herzegovina, Croatia, Egypt, Greece, Gruzia, Israel, Italy, Jordan, Kuwait, Lebanon, Libya, Macedonia, Morocco, Oman, Qatar, Saudi Arabia, Slovenia, Syria, Tunisia, Yugoslavia.

EGYPTIAN LOCALITIES: Coastal Strip: Mariout district, Matrouh; Eastern Desert: Ismailia, Wadies south east of Cairo; Gebel Elba: Wadi Edeib, Wadi Kanssissrob.

DATES OF COLLECTION: March to June.

Genus **BECKERELLUS** Greathead

Beckerellus Greathead, 1995: 57. Type species: *Bombylius terminatus* Becker, 1909a, by original designation.

Beckerellus androgynus (Loew, 1855)

Bombylius androgynus Loew, 1855: 33. Type locality: Syria.

DISTRIBUTION: PA: Albania, Armenia, Azerbaijan, Croatia, Egypt, Greece (incl. Zakynthos), Gruzia, Iran, Italy, Kazakhstan, Lebanon, Macedonia, Moldova, Romania, Russia, Slovenia, Syria, Turkey, Ukraine, Uzbekistan, Yugoslavia.

EGYPTIAN LOCALITIES: Eastern Desert: Wadies south east of Cairo.

DATES OF COLLECTION: February and March.

Genus **BOMBYLELLA** Greathead

Bombylella Greathead, 1995: 56. Type species: *Bombylius ornatus* Wiedemann, 1828, by original designation.

Bombylella atra (Scopoli, 1763)

Bombylius ater Scopoli, 1763: 376. Type locality: Slovenia [as “Carniolica”].

Bombylivs qvartvs Schaeffer, 1768: pl. 79, fig. 6. Unavailable name proposed in a non binominal work.

Bombylivs qvintvs Schaeffer, 1768: pl. 80, fig. 1. Unavailable name proposed in a non binominal work.

Hippobosca atra Lepekhin, 1774: 311, pl. 19. Unavailable name published in a non binominal work.

Hippobosca uralensis Gmelin, 1790: 2905. Type locality: Kazakhstan or Russia [as “deserto Uralensi”].

Bombylius atratus Pallas in Wiedemann, 1818: 18. Unavailable name proposed in synonymy with *Bombylius ater* Scopoli (as “*ater* F.”) and not made available before 1961.

Bombylius barbulus Pallas in Wiedemann, 1818: 18. Type locality: Russia.

Bombylius lugubris Loew, 1855: 9. Type locality: Austria.

DISTRIBUTION: PA: Albania, Armenia, Austria, Azerbaijan, Belarus, Belgium, Bosnia Herzegovina, Bulgaria, Croatia, Czech Republic, Egypt, Estonia, France, Gibraltar, Greece (incl. Lesbos), Gruzia, Hungary, Iran, Israel, Italy (incl. Sicily), Kazakhstan, Kuwait, Kyrgyz Republic, Latvia, Lebanon, Lithuania, Macedonia, Malta, Oman, Poland, Romania, Russia, Saudi Arabia, Slovakia, Slovenia, Spain, Switzerland, Syria, Tajikistan, Turkey, Turkmenistan, Ukraine, United Arab Emirates, Uzbekistan, Yugoslavia.

EGYPTIAN LOCALITIES: Lower Nile Valley: Abu Rawash, Cairo, Kafr Eldems, Kafr Hakim, Katta, Kirdassa.

DATES OF COLLECTION: February to April.

Genus **BOMBYLISOMA** Rondani

Bombylisoma Rondani, 1856: 164. Type species: *Bombylius sulphureus* Mikan, 1796 (as “*Bombylius sulphureus* Fabr.”) [misidentification, = *Bombylius minimus* Scopoli, 1771, by original designation].

Bombylosoma Loew, 1862c: 25, 208. Unjustified emendation of *Bombylisoma*. Type species: *Bombylius sulphureus* Mikan, 1796, automatic.

Chasmonaura Hesse, 1938: 586. Type species: *Bombylius argyropygus* Wiedemann, 1821, by original designation.

Bombylosoma, error for *Bombylisoma* (Marschall, 1873: 323).

Bombylisoma sinaiticum (Efflatoun, 1945)

Dischistus sinaiticus Efflatoun, 1945: 246. Type locality: Egypt (Sinai: Rabba and Wadi El Lega) [1S in CUE; 2S (destroyed) in ESEC].

DISTRIBUTION: PA: Egypt.

EGYPTIAN LOCALITIES: Sinai: Wadi El Lega, Wadi El Rabba.

DATES OF COLLECTION: April.

Bombylisoma tripunctatum (Macquart, 1840)

Bombylius tripunctatus Macquart, 1840: 101 [1841: 379]. Type locality: Egypt [as "Patrie inconnue", from type specimen label data].

Dischistus trigonus Bezzi, 1925: 169. Type locality: Egypt (Abu Zaabal, Dahshour, ?Mariout) [1S (destroyed) in ESEC].

Dischistus pulchellus Austen, 1937: 43. Type locality: Palestine (Gaza Strip).

DISTRIBUTION: AF: Egypt [as "Gebel Elba"], Sudan. PA: Egypt, Iran, Israel, Palestine (Gaza Strip), Saudi Arabia.

EGYPTIAN LOCALITIES: Coastal Strip: Burg El Arab, Mariout; Lower Nile Valley: Abu Rawash, Abu Zaabal, Kafr Eldems, Kafr Hakim, Kirdassa, Mansouriah, Megadlah, Mazghouna; Eastern Desert: Geneifa, Serapium; Western Desert: Dahshour, Sakkara; Sinai: Ein Gedeirat, El Arish; Gebel Elba: Wadi Edeib.

DATES OF COLLECTION: January to April.

Genus **BOMBYLIUS** Linnaeus

Bombylius Linnaeus, 1758: 606. Type species: *Bombylius major* Linnaeus, 1758, by subsequent designation (Latreille, 1810: 443).

Subgenus **BOMBYLIUS** Linnaeus
(Nominate subspecies)

Bombylius (Bombylius) bedouinus Efflatoun, 1945

Bombylius bedouinus Efflatoun, 1945: 312. Type locality: Egypt (Sinai: Wadi El Lega, Wadi El Rabba, Wadi Shellalah) [6S in CUE; 18S (destroyed) in ESEC].

DISTRIBUTION: PA: Egypt.

EGYPTIAN LOCALITIES: Sinai: Wadi El Lega, Wadi El Rabba, Wadi Shellalah.

DATES OF COLLECTION: April to June.

***Bombylius (Bombylius) cinerascens* Mikan, 1796**

Bombylius cinerascens Mikan, 1796: 50. Type locality: Czech Republic [as "Bohemiae"].

Bombylius floralis Meigen, 1820: 206. Type locality: France, Germany, or Italy.

DISTRIBUTION: PA: Albania, Armenia, Austria, Azerbaijan, Belgium, Bosnia Herzegovina, Bulgaria, Croatia, Czech Republic, Egypt, France, Germany, Greece (incl. Lesbos), Gruzia, Hungary, Israel, Italy, Macedonia, Moldova, Poland, Romania, Russia, Saudi Arabia, Slovakia, Slovenia, Spain, Switzerland, Turkey, Ukraine, Yugoslavia.

EGYPTIAN LOCALITIES: Coastal Strip: Mariout district; Eastern Desert: Wadies south east to Cairo.

DATES OF COLLECTION: February and March.

***Bombylius (Bombylius) efflatounbeyi* Hesse, 1961**

Bombylius minusculus Efflatoun, 1945: 346. Type locality: Egypt (Sinai: Ein Gedeirat) [H (destroyed) in ESEC]. Preoccupied by Hesse, 1938.

Bombylius efflatounbeyi Hesse, 1961: 94. New replacement name for *Bombylius minusculus* Efflatoun, 1945.

DISTRIBUTION: PA: Egypt.

EGYPTIAN LOCALITIES: Sinai: Ein Gedeirat.

DATES OF COLLECTION: July.

***Bombylius (Bombylius) elbayensis* Efflatoun, 1945**

Bombylius cinerarius var. *elbayensis* Efflatoun, 1945: 319. Type locality: Egypt (Gebel Elba) [41S in CUE].

Bombylius cinereipilus Greathead, 1967: 216. Type locality: Eritrea.

DISTRIBUTION: AF: Egypt [as "Gebel Elba"], Eritrea, Kenya, Sudan, Tanzania. PA: Saudi Arabia.

EGYPTIAN LOCALITIES: Gebel Elba.

DATES OF COLLECTION: January and February.

***Bombylius (Bombylius) fimbriatus fimbriatus* Meigen, 1820**

Bombylius fimbriatus Meigen, 1820: 191. Type locality: Austria [as "Oesterreich"].

Bombylius dimidiatus Wiedemann in Meigen, 1820: 192. Type locality: Austria [as "Oesterreich"].

Bombylius fimbriatus var. *expleta* Loew, 1855: 15. Type locality: Greece or Turkey [as "Kleinasien"].

Bombylius ventralis Loew, 1855: 15. Type locality: France (Corsica).

DISTRIBUTION: PA: Afghanistan, Armenia, Austria, Azerbaijan, Belarus, Belgium, Cyprus, Czech Republic, Egypt, Estonia, France (incl. Corsica), Germany, Greece, Gruzia, Hungary, Iran, Israel, Italy (incl. Sardinia, Sicily), Kazakhstan, Kyrgyz Republic, Latvia, Lithuania, Moldova, Morocco, Poland, Romania, Russia, Slovakia, Spain, Syria, Tajikistan, Tunisia, Turkey, Turkmenistan, Ukraine, Uzbekistan, Yugoslavia.

EGYPTIAN LOCALITIES: Coastal Strip: Mariout, Wadi Raml (Matrouh); Lower Nile Valley: Abu Rawash, Abu Zaabal, Kafr Hakim, Kirdassa.

DATES OF COLLECTION: February to March.

***Bombylius (Bombylius) flavipes* Wiedemann, 1828**

Bombylius flavipes Wiedemann, 1828: 568. Type locality: Egypt.

Bombylius pygargus Loew in Bezzi, 1925: 163. *Nomen nudum*.

DISTRIBUTION: PA: Egypt, Iran, Italy, Libya, Morocco, Spain, Turkey, Yugoslavia.

EGYPTIAN LOCALITIES: Coastal Strip: From Alexandria to Matrouh; Lower Nile Valley: Around Cairo, Delta, Shoubra; Upper Nile Valley: South Aswan; Fayoum; Sinai: Ein Gedeirat, Kossayema.

DATES OF COLLECTION: February to April.

***Bombylius (Bombylius) fulvescens* Wiedemann in Meigen, 1820**

Bombylius fulvescens Wiedemann in Meigen, 1820: 205. Type locality: Portugal.

Bombylius apicalis Meigen, 1820: 208. Type locality: France, Germany, or Italy.

DISTRIBUTION: PA: Albania, Armenia, Austria, Azerbaijan, Bosnia Herzegovina, Bulgaria, ?China, Croatia, Czech Republic, Egypt, Greece (incl. Zakynthos), Gruzia, Hungary, Iran, Iraq, Israel, Italy (incl. Sardinia, Sicily), Kazakhstan, Macedonia, Malta, Moldova, Poland, Portugal, Romania, Russia, Saudi Arabia, Slovakia, Slovenia, Spain, Switzerland, Tajikistan, Tunisia, Turkey, Turkmenistan, Ukraine, Uzbekistan, Yugoslavia.

EGYPTIAN LOCALITIES: Sinai: St. Catherine.

DATES OF COLLECTION: May to August.

***Bombylius (Bombylius) major* Linnaeus, 1758**

Bombylius major Linnaeus, 1758: 606. Type locality: Not given [= Europe].

Bombylius anonymus Sulzer, 1761: 59. Type locality: "Europa" [= Europe].

- Bombylivs septimvs* Schaeffer, 1769: pl. 121, fig. 3. Unavailable name proposed in a non binominal work.
- Bombylius variegatus* De Geer, 1776: 268. Type locality: Not given [= Europe].
- Bombylius aequalis* Fabricius, 1781: 473. Type locality: "America boreali".
- Asilus lanigerus* Geoffroy in Fourcroy, 1785: 459. Type locality: France.
- Bombylius sinuatus* Mikan, 1796: 35. Unjustified new replacement name for *Bombylius anonymus* Sulzer, 1761.
- Bombylius fratellus* Wiedemann, 1828: 583. Type locality: USA (Georgia).
- Bombylius consanguineus* Macquart, 1840: 97 [1841: 375]. Type locality: "D'Alger" [= Algeria].
- Bombylius vicinus* Macquart, 1840: 98 [1841: 376]. Type locality: USA (Pennsylvania).
- Bombylius albipectus* Macquart, 1855: 102(82). Type locality: USA (Maryland).
- Bombylius major* var. *australis* Loew, 1855: 14. Type locality: Italy (Sicily). Preoccupied by Guérin Méneville, 1831.
- Bombylius basilinea* Loew, 1855: 14. Type locality: Italy (Sicily).
- Bombylius antenoreus* Lioy, 1864: 728. Type locality: Italy.
- Bombylius notialis* Evenhuis, 1978b: 101. New replacement name for *Bombylius major australis* Loew, 1855.
- DISTRIBUTION: NEA: Canada (Alberta, British Columbia, Manitoba, Northwest Territories, Ontario, Quebec, Saskatchewan), USA (Arizona, Arkansas, California, Colorado, Connecticut, Delaware, District of Columbia, Florida, Georgia, Idaho, Illinois, Indiana, Iowa, Kansas, Kentucky, Maine, Maryland, Massachusetts, Michigan, Minnesota, Missouri, Montana, Nebraska, Nevada, New Hampshire, New Jersey, New Mexico, New York, North Carolina, North Dakota, Ohio, Oklahoma, Oregon, Pennsylvania, South Carolina, South Dakota, Tennessee, Texas, Utah, Vermont, Virginia, Washington, West Virginia, Wisconsin, Wyoming), Mexico (Baja California Norte). OR: Bangladesh, India (Assam, Himachal Pradesh, Karnataka), Nepal, Pakistan, Thailand. PA: Albania, Algeria, Armenia, Austria, Azerbaijan, Belarus, Belgium, Bosnia Herzegovina, Bulgaria, China (Jiangxi), Croatia, Cyprus, Czech Republic, Denmark, Egypt, Estonia, Finland, France (incl. Corsica), Germany, Greece, Gruzia, Hungary, Ireland, Italy (incl. Sardinia, Sicily), Japan, Kazakhstan, Korea, Latvia, Libya, Lithuania, Luxemburg, Malta, Macedonia, Moldova, Mongolia, Morocco, Netherlands, Norway, Poland, Portugal, Romania, Russia, Slovakia,

Slovenia, Spain, Sweden, Switzerland, Tajikistan, Tunisia, Turkey, Turkmenistan, UK (Great Britain, Northern Ireland), Uzbekistan, Yugoslavia.

EGYPTIAN LOCALITIES: Coastal Strip: Mariout district.

DATES OF COLLECTION: February and March.

***Bombylius (Bombylius) medius* Linnaeus, 1758**

Bombylius medius Linnaeus, 1758: 606. Type locality: Europe.

Bombylivs secvndvs Schaeffer, 1768: pl. 78, fig. 34. Unavailable name proposed in a non binominal work.

Bombylius punctatus De Geer, 1776: 269. Type locality: Not given [= Europe].

Bombylius concolor Mikán, 1796: 30. Type locality: Czech Republic [as "Bohemiae"].

Bombylius discolor Meigen, 1804: 178. Type locality: Not given [= Europe]. Preoccupied by Mikán, 1796.

Bombylius tectus Panzer, 1804: 92. Type locality: Germany.

Bombylius hymopelanus Pallas in Wiedemann, 1818: 19. *Nomen nudum*.

Bombylius intermedius Walker, 1849: 279. Type locality: Not given [= Palaearctic].

Bombylius medius var. *albomicans* Loew, 1855: 12. Type locality: Greece, Syria, or Turkey [as "Kleinasien"] & Lebanon or Syria [as "Syrien"].

Bombylius pictipennis Loew, 1855: 12. Type locality: Italy (Sicily). Preoccupied by Macquart, 1849.

Bombylius medius var. *pallipes* Loew, 1855: 13. Type locality: Greece & Italy (Sicily) & Greece or Turkey [as "Kleinasien"].

Bombylius confrater Loew, 1855: 13. Type locality: Greece (Rhodes).

Bombylius medius var. *dalmatina* Strobl, 1902: 466 [1904: 525]. Type locality: Croatia. Preoccupied by Loew, 1855.

Bombylius poecilopterus Bezzi, 1925: 163. New replacement name for *Bombylius pictipennis* Loew, 1855.

Bombylius medius ssp. *caucasicus* Paramonov, 1940: 137, 349. Type locality: Armenia.

Bombylius varipennis Evenhuis, 1978b: 101. New replacement name for *Bombylius pictipennis* Loew, 1855.

DISTRIBUTION: PA: Afghanistan, Albania, Algeria, Armenia, Azerbaijan, Belarus, Belgium, Bosnia Herzegovina, Bulgaria, Croatia, Cyprus, Czech Republic, Egypt, Estonia, France, Germany, Gibraltar, Greece (incl. Nisiros, Rhodes), Gruzia, Hungary, Iran, Iraq, Israel, Italy (incl. Sardinia, Sicily), Kazakhstan, Kyrgyz Republic, Latvia, Lebanon, Libya, Lithuania, Macedonia, Malta, Moldova, Morocco,

Netherlands, Poland, Portugal, Romania, Russia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Syria, Tajikistan, Tunisia, Turkey, Turkmenistan, Ukraine, Uzbekistan, Yugoslavia.

EGYPTIAN LOCALITIES: Coastal Strip: Mariout district.

DATES OF COLLECTION: February and March.

***Bombylius (Bombylius) modestus* Loew, 1873**

Bombylius modestus Loew, 1873: 192. Type locality: Greece (Naxos).

DISTRIBUTION: AF: Egypt [as "Gebel Elba"], Ethiopia, Sudan, Yemen.

OR: Pakistan. PA: Afghanistan, Armenia, Azerbaijan, Cyprus, Egypt, Greece (incl. Naxos), Gruzia, Iran, Italy, Kazakhstan, Macedonia, Russia, Saudi Arabia, Tajikistan, Turkmenistan, Uzbekistan, Yugoslavia.

EGYPTIAN LOCALITIES: Coastal Strip: from Alexandria to Matrouh; Lower Nile Valley: Around Cairo, Delta; Eastern Desert: Ismailia, Wadi Garawi, Wadi Wirak; Upper Nile Valley: Wadi Assiouti; Gebel Elba: Wadi Edeib.

DATES OF COLLECTION: February to July.

***Bombylius (Bombylius) montanus* Efflatoun, 1945**

Bombylius cinerarius var. *montana* Efflatoun, 1945: 319. Type locality: Egypt [19S in CUE].

DISTRIBUTION: PA: Egypt.

EGYPTIAN LOCALITIES: Sinai: St. Catherine, Wadi El Lega.

DATES OF COLLECTION: June to August.

***Bombylius (Bombylius) moussayensis* Efflatoun, 1945**

Bombylius moussayensis Efflatoun, 1945: 354. Type locality: Egypt (Wadi El Lega "= El Arbaein") [3S in CUE].

DISTRIBUTION: PA: Egypt.

EGYPTIAN LOCALITIES: Sinai: Wadi El Lega, Wadi El Rabba.

DATES OF COLLECTION: April.

***Bombylius (Bombylius) mus* Bigot, 1862**

Bombylius mus Bigot, 1862: 111. Type locality: France (Corsica).

Bombylius argentifrons Loew, 1873: 194. Type locality: Spain [as "Andalusien"].

Bombylius similis Loew, 1873: 196. Type locality: Uzbekistan.

Preoccupied by Mod er, 1786.

Bombylius catheriniensis Efflatoun, 1945: 315. Type locality: Egypt (Sinai: Wadi El Rabba, Wadi El Lega) [40S in CUE].

DISTRIBUTION: PA: Albania, Armenia, Austria, Azerbaijan, Bosnia Herzegovina, Croatia, Egypt, France (incl. Corsica), Greece, Gruzia, Hungary, Iran, Israel, Italy (incl. Sicily), Kyrgyz Republic, Lebanon, Macedonia, Morocco, Portugal, Romania, Slovenia, Spain, Syria, Tajikistan, Tunisia, Turkmenistan, Uzbekistan, Yugoslavia.
 EGYPTIAN LOCALITIES: Sinai: Wadi El Rabba, Wadi El Lega.
 DATES OF COLLECTION: April.

***Bombylius (Bombylius) numidus* Macquart, 1846**

Bombylius numida Macquart, 1846: 351(223), pl. 10, fig 6 [in Lucas, 1849: 450]. Type locality: Algeria.

DISTRIBUTION: PA: Algeria, Egypt, Morocco.

EGYPTIAN LOCALITIES: Coastal Strip: Mariout district; Lower Nile Valley: Abu Rawash, Ezbet El Nakhl, Kafr Hakim, Kirdassa, Magadla, Mansouriah; Fayoum: Saiyala.

DATES OF COLLECTION: February & March.

***Bombylius (Bombylius) posticus* Fabricius, 1805**

Bombylius micans Meigen, 1804: 183. Type locality: France.

Preoccupied by Fabricius, 1798.

Bombylius posticus Fabricius, 1805: 131. New replacement name for *Bombylius micans* Meigen, 1804.

Bombylius argyropygus Pallas in Wiedemann, 1818: 22. Unavailable name proposed in synonymy with *Bombylius posticus* Fabricius and not made available before 1961.

Bombylius fugax Pallas in Wiedemann, 1818: 22. *Nomen nudum*.

Bombylius vulpinus Wiedemann in Meigen, 1820: 200. Type locality: Portugal.

Bombylius fugax Wiedemann in Meigen, 1820: 207. Type locality: Russia [as "Taurien"].

Bombylius tibialis Walker, 1849: 280. Type locality: Not given [= Palaearctic].

Bombylius vulpinus var. *desertorum* Paramonov, 1926: 163(89). Type locality: Turkmenistan.

Bombylius vulpinus var. *palaestinus* Paramonov, 1926: 163(89). Type locality: Israel.

DISTRIBUTION: PA: Afghanistan, Albania, Algeria, Armenia, Austria, Azerbaijan, Belgium, Bosnia Herzegovina, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Egypt, France, Germany, Gibraltar, Greece (incl. Lesbos), Gruzia, Hungary, Iran, Iraq, Italy (incl. Sardinia, Sicily), Kazakhstan, Macedonia, Moldova, Morocco, Poland, Portugal, Romania, Russia, Slovakia, Slovenia, Spain (incl.

Mallorca), Switzerland, Syria, Tajikistan, Tunisia, Turkey, Turkmenistan, Ukraine.

EGYPTIAN LOCALITIES: Unknown.

DATES OF COLLECTION: Unknown.

Bombylius (Bombylius) seminiger Becker, 1906

Bombylius seminiger Becker, 1906b: 97. Type locality: Tunisia.

DISTRIBUTION: PA: Egypt, Tunisia.

EGYPTIAN LOCALITIES: Coastal Strip: Mariout district.

DATES OF COLLECTION: February and March.

Bombylius (Bombylius) wadensis Efflatoun, 1945

Bombylius wadensis Efflatoun, 1945: 362. Type locality: Egypt (Eastern Desert: Wadi Rishrash; Gebel Elba) [17S in CUE].

DISTRIBUTION: AF: Egypt [as "Gebel Elba"], Sudan. PA: Egypt, Israel.

EGYPTIAN LOCALITIES: Eastern Desert: Wadi Rishrash; Gebel Elba.

DATES OF COLLECTION: March to April.

Subgenus ZEPHYRECTES Evenhuis

Zephyrectes Evenhuis, 1978a: 33. Type species: *Bombylius anthophoroides* Evenhuis, 1977, by original designation.

Bombylius (Zephyrectes) cinerarius Pallas & Wiedemann in Wiedemann, 1818

Bombylius cinerarius Pallas & Wiedemann in Wiedemann, 1818: 24. Type locality: Russia.

Bombylius cinerarius var. *eversmanni* Paramonov, 1926: 111(37). Type locality: Russia.

Bombylius cinerarius var. *karelini* Paramonov, 1926: 112(38). Type locality: Russia.

Bombylius cinerarius var. *pallasi* Paramonov, 1926: 111(37). Type locality: Russia.

DISTRIBUTION: AF: Egypt [as "Gebel Elba"]. PA: Albania, Armenia, Austria, Azerbaijan, Bosnia Herzegovina, Bulgaria, China, Croatia, Cyprus, Egypt, France, Greece, Gruzia, Hungary, Iran, Italy, Kazakhstan, Macedonia, Moldova, Mongolia, Romania, Russia, Slovakia, Slovenia, Spain, Syria, Turkey, Turkmenistan, Ukraine, Uzbekistan, Yugoslavia.

EGYPTIAN LOCALITIES: Lower Nile Valley: Kirdassa; Gebel Elba.

DATES OF COLLECTION: January and February.

Genus **DISCHISTUS** Loew

Dischistus Loew, 1855: 45 (as subgenus of *Bombylius* Linnaeus). Type species: *Bombylius mystax* Wiedemann, 1818, by subsequent designation (Becker, 1913: 494).

Acanthogeron Bezzi, 1925: 164. Type species: *Bombylius senex* Meigen, 1820, by original designation.

Lissomerus Austen, 1937: 33. Type species: *Lissomerus niveicomatus* Austen, 1937, by original designation.

Dischistus blanchei (Efllatoun, 1945)

Acanthogeron blanchei Efllatoun, 1945: 258. Type locality: Egypt (Sinai: Wadi El Lega) [1S in CUE].

DISTRIBUTION: PA: Egypt.

EGYPTIAN LOCALITIES: Sinai: Wadi El Lega.

DATES OF COLLECTION: April.

Dischistus efllatounbeyi (Francois, 1961)

Acanthogeron auripilus Efllatoun, 1945: 255. Type locality: Egypt (Sinai: Ein Gedeirat, Wadi El Lega) [1S in CUE; 2S (destroyed) in ESEC]. Preoccupied by Séguy, 1930.

Acanthogeron efllatounbeyi François, 1961: 312. New replacement name for *Acanthogeron auripilus* Efllatoun, 1945.

DISTRIBUTION: PA: Egypt, Israel.

EGYPTIAN LOCALITIES: Sinai: Ein Gedeirat, Wadi El Lega.

DATES OF COLLECTION: April.

Dischistus grandis (Efllatoun, 1945)

Acanthogeron grandis Efllatoun, 1945: 261. Type locality: Egypt (Sinai: Ein Gedeirat; Eastern Desert: Wadi Hoff) [2S (1 destroyed) in ESEC].

DISTRIBUTION: PA: Egypt.

EGYPTIAN LOCALITIES: Sinai: Ein Gedeirat; Eastern Desert: Wadi Hoff.

DATES OF COLLECTION: April.

Dischistus perniveus (Bezzi, 1925)

Acanthogeron perniveus Bezzi, 1925: 165. Type locality: Egypt (Mariout) [S (destroyed) in ESEC].

DISTRIBUTION: PA: Egypt, Libya, Morocco.
EGYPTIAN LOCALITIES: Coastal Strip: Mariout district; Eastern Desert:
Suez Road, Wadi Hoff.
DATES OF COLLECTION: February to April.

Dischistus separatus (Becker, 1906)

Bombylius separatus Becker, 1906b: 102. Type locality: Algeria &
Tunisia.

Acanthogeron talboti Séguy, 1930: 106. Type locality: Morocco.

DISTRIBUTION: PA: Algeria, Egypt, Italy, Libya, Morocco, Spain, Syria,
Tunisia.

EGYPTIAN LOCALITIES: Coastal Strip: Amriah, Hammam; Eastern
Desert: Wadi Bir El Fahm, Wadi Hoff.

DATES OF COLLECTION: February to April.

Genus **EFFLATOUNIA** Bezzi

Efflatounia Bezzi, 1925: 170. Type species: *Efflatounia aegyptiaca*
Bezzi, 1925, by original designation.

Efflatounia aegyptiaca Bezzi, 1925

Efflatounia aegyptiaca Bezzi, 1925: 171. Type locality: Egypt (Wadi
Hoff, Wadi Um Biar) [4S (destroyed) in ESEC].

DISTRIBUTION: PA: Egypt, Israel, Libya, Saudi Arabia.

EGYPTIAN LOCALITIES: Lower Nile Valley: Helwan; Eastern Desert:
Wadi Hoff, Wadi Rishrash, Wadi Um Biar (Qusseir), Wadi Um Elek,
Wadi Wirak, Wadi Zohleiga.

DATES OF COLLECTION: February to April.

Genus **GONARTHURUS** Bezzi

Gonarthurus Bezzi, 1921a: 88. Type species: *Dischistus cylindricus* Bezzi,
1906, by original designation.

Gonarthurus longibarbus (Efflatoun, 1945)

Geron longibarbus Efflatoun, 1945: 146. Type locality: Egypt (Gebel
Elba: Wadi Edeib, Wadi Kanssissrob) [23S in CUE; 9S (all
destroyed) in ESEC].

DISTRIBUTION: AF: Egypt [as "Gebel Elba"], Sudan. PA: Egypt, Saudi Arabia.

EGYPTIAN LOCALITIES: Coastal Strip: Matrouh; Eastern Desert: Abu Soueir, Wadi Ambaga; Western Desert: Dakhla; Gebel Elba: Wadi Edeib, Wadi Kanssissrob.

DATES OF COLLECTION: January to June.

Genus **NEOBOMBYLODES** Evenhuis

Bombylodes Paramonov, 1940: 65, 339. Type species: *Dischistus multisetosus* Loew, 1857, by original designation. Preoccupied by Fauvel, 1904.

Neobombylodes Evenhuis, 1978c: 247. New replacement name for *Bombylodes* Paramonov, 1940. Type species: *Dischistus multisetosus* Loew, 1857, automatic.

Neobombylodes multisetosus (Loew, 1857)

Dischistus multisetosus Loew, 1857a: 17. Type locality: Spain.

DISTRIBUTION: PA: Algeria, Egypt, Iran, Israel, Italy, Spain.

EGYPTIAN LOCALITIES: Coastal Strip: From Mariout to Matrouh; Eastern Desert: Wadi Bir El Fahm, Wadi Hoff, Wadi Rishrash, Wadi Zohleiga; Sinai: Ein Gedeirat, Kossayema.

DATES OF COLLECTION: March and April.

Genus **SYSTOECHUS** Loew

Systoechus Loew, 1855: 5, 34 (as subgenus of *Bombylius* Linnaeus).

Type species: *Bombylius sulphureus* Mikán, 1796 [= *Bombylius ctenopterus* Mikán, 1796], by subsequent designation (Coquillett, 1910: 611).

Systoechus ctenopterus (Mikán, 1796)

Bombylius ctenopterus Mikán, 1796: 45. Type locality: Czech Republic [as "Bohemiae"].

Bombylius sulphureus Mikán, 1796: 52. Type locality: Czech Republic [as "Bohemiae"].

Bombylius aurulentus Wiedemann in Meigen, 1820: 201. Type locality: Portugal.

Bombylius fulvus Meigen, 1820: 205. Type locality: Palaeartic [as "Vaterland unbekannt"].

Bombylius sulphureus var. *dalmatinus* Loew, 1855: 37. Type locality: Austria, Croatia, Hungary & Italy.

Bombylius ctenopterus var. *convergens* Loew, 1855: 38. Type locality: Greece, Syria, or Turkey [as "Kleinasien"].

Systoechus sulphureus ssp. *orientalis* Zakhvatkin, 1954: 289. Type locality: Russia.

DISTRIBUTION: PA: Algeria, Armenia, Azerbaijan, Austria, Belgium, Bulgaria, China (Xinjiang), Croatia, Cyprus, Czech Republic, Denmark, Egypt, Estonia, Finland, France, Germany, Greece, Gruzia, Hungary, Iran, Israel, Italy (incl. Sicily), Kazakhstan, Latvia, Lithuania, Macedonia, Moldova, Morocco, Netherlands, Poland, Portugal, Romania, Russia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey, Ukraine, Yugoslavia.

EGYPTIAN LOCALITIES: Sinai: St. Catherine.

DATES OF COLLECTION: May to August.

Systoechus gradatus (Wiedemann in Meigen, 1820)

Bombylius gradatus Wiedemann in Meigen, 1820: 207. Type locality: Portugal.

Bombylius leucophaeus Wiedemann in Meigen, 1820: 215. Type locality: Portugal.

Bombylius lucidus Loew, 1855: 38. Type locality: France (Corsica).

Systoechus leucophaeus var. *gallicus* Villeneuve, 1904: 72. Type locality: France.

Systoechus tesquorum Becker, 1916: 64. Type locality: Russia, Spain & Tunisia.

Systoechus gradatus var. *validus* Bezzi, 1925: 166. Type locality: Egypt (Wadi Hoff) [1S (destroyed) in ESEC].

DISTRIBUTION: PA: Afghanistan, Armenia, Austria, Azerbaijan, Bosnia Herzegovina, Bulgaria, China (Xinjiang), Croatia, Egypt, Finland, France (incl. Corsica), Germany, Greece (incl. Corfu), Gruzia, Hungary, Iran, Italy (incl. Sicily), Kazakhstan, Kyrgyz Republic, Macedonia, Moldova, Morocco, Poland, Portugal, Romania, Russia, Slovenia, Spain, Tajikistan, Tunisia, Turkey, Turkmenistan, Ukraine, Uzbekistan, Yugoslavia.

EGYPTIAN LOCALITIES: Eastern Desert: Wadi Arab, Wadi Askhar, Wadi Dar El Maskhara, Wadi Digla, Wadi Garawi, Wadi Hoff, Wadi Rishrash, Wadi Zohleiga; Sinai: Wadi El Lega, Wadi Garagneyia.

DATES OF COLLECTION: March to August.

Systoechus sinaiticus Efflatoun, 1945

Systoechus sinaiticus Efflatoun, 1945: 274. Type locality: Egypt (Sinai: Wadi El Rabba) [H (destroyed) in ESEC].

DISTRIBUTION: PA: Egypt.

EGYPTIAN LOCALITIES: Sinai: Wadi El Rabba.

DATES OF COLLECTION: April.

Tribe **CONOPHORINI** Becker

Genus **CONOPHORUS** Meigen

Conophorus Meigen, 1803: 268. Type species: *Bombylius maurus*

Mikan, 1796 [preoccupied, = *Bombylius virescens* Fabricius, 1787], by monotypy.

Ploas Latreille, 1804: 190. Type species: *Ploas hirticornis* Latreille, 1805 [= *Bombylius virescens* Fabricius, 1787], by subsequent monotypy (Latreille, 1805: 300).

Tornotes Gistel, 1848: x. Unjustified new replacement name for *Ploas* Latreille, 1804. Type species: *Ploas hirticornis* Latreille, 1805 [= *Bombylius virescens* Fabricius, 1787], automatic.

Codionus Rondani, 1873: 299. Type species: *Codionus chlorizans* Rondani, 1873 [= *Bombylius nobilis* Loew, 1873], by monotypy.

Calopelta Greene, 1921: 23. Type species: *Calopelta fallax* Greene, 1921, by original designation.

Conophorus aegyptiacus Bezzi, 1925

Conophorus aegyptiacus Bezzi, 1925: 172. Type locality: Egypt (Mariout) [14S in CUE; 4S in ESEC].

Conophorus aegyptiacus Becker, 1925. Incorrect author name [El Hawagry, 2008].

DISTRIBUTION: PA: Egypt, Libya.

EGYPTIAN LOCALITIES: Coastal Strip: Mariout.

DATES OF COLLECTION: February to April.

Genus **LEGNOTOMYIA** Bezzi

Legnotus Loew, 1855: 6, 41 (as subgenus of *Bombylius* Linnaeus). Type species: *Bombylius trichorhoeus* Loew, 1855, by original

designation. Preoccupied by Schiodte, 1848.

***Legnotomyia* Bezzi, 1902: 191.** New replacement name for *Legnotus* Loew, 1855. Type species: *Bombylius trichorhoeus* Loew, 1855, automatic.

Psiatholasius Becker, 1906c: 145. Type species: *Psiatholasius bombylifformis* Becker, 1906 [= *Bombylius singularis* Macquart, 1846], by original designation.

***Legnotomyia fascipennis* (Bezzi, 1925)**

Psiatholasius fascipennis Bezzi, 1925: 181. Type locality: Egypt (Kirdassa, Mazghouna.) [1S (damaged) in ESEC; 1S in CUE].

DISTRIBUTION: PA: Egypt.

EGYPTIAN LOCALITIES: Lower Nile Valley: Abu Rawash, Borgash, Kafr Kakim, Katta, Kirdassa, Mansouriah, Mazghouna; Eastern Desert: Wadi Garawi, Wadi Gharagid, Wadi Hoff, Wadi Rishrash; Western Desert: Sakkara.

DATES OF COLLECTION: April to July.

***Legnotomyia leyladea* Efflatoun, 1945**

Legnotomyia leyladea Efflatoun, 1945: 237. Type locality: Egypt (Sinai: Ein Gedeirat) [14S in CUE; 9S (destroyed) in ESEC; 4S lost].

DISTRIBUTION: PA: Egypt.

EGYPTIAN LOCALITIES: Sinai: Ein Gedeirat.

DATES OF COLLECTION: May.

Genus **PRORACHTHES** Loew

***Prorachthes* Loew, 1869a: 381.** Type species: *Prorachthes ledereri* Loew, 1868, by monotypy.

Dumontiella Séguy, 1932: 126. Type species: *Dumontiella vespertilio* Séguy, 1932, by original designation.

Cheilohadrus Hesse, 1938: 674. Type species: *Cheilohadrus conspersipennis* Hesse, 1938, by original designation.

***Prorachthes longirostris* Bezzi, 1925**

Prorachthes longirostris Bezzi, 1925: 172. Type locality: Egypt (Mariout) [H in CUE].

DISTRIBUTION: PA: Algeria, Egypt.

EGYPTIAN LOCALITIES: Coastal Strip: Burg El Arab, Mariout.

DATES OF COLLECTION: March.

Subfamily **CROCIDIINAE** Hull

Genus **CROCIDIUM** Loew

Crocidium Loew, 1860a: 85. Type species: *Crocidium poecilopterus*
Loew, 1860, by monotypy.

Crocidium aegyptiacum Bezzi, 1925

Crocidium aegyptiacum Bezzi, 1925: 193. Type locality: Egypt
(Mariout).

DISTRIBUTION: PA: Egypt, Israel.

EGYPTIAN LOCALITIES: Coastal Strip: Burg El Arab, Mariout.

DATES OF COLLECTION: February to April.

Crocidium nudum Efllatoun, 1945

Crocidium nudum Efllatoun, 1945: 130. Type locality: Egypt (Burg El
Arab; Sinai: Ein Gedeirat) [2S in CUE; 3S (2 destroyed) in ESEC].

DISTRIBUTION: PA: Egypt.

EGYPTIAN LOCALITIES: Coastal Strip: Burg El Arab; Sinai: Ein Gedeirat.

DATES OF COLLECTION: April.

Subfamily **MARIOBEZZIINAE** Becker

Genus **MARIOBEZZIA** Becker

Mariobezzia Becker, 1912: 422. *Nomen nudum*.

Mariobezzia Becker & Stein, 1912: 604. *Nomen nudum*.

Mariobezzia Becker, 1913: 470. Type species: *Mariobezzia lichtwardti*
Becker, 1913, by monotypy

Mariobezzia catherinae Efllatoun, 1945

Mariobezzia catherinae Efllatoun, 1945: 61. Type locality: Egypt (Sinai:
Wadi El Lega, Wadi Garagneyia) [1S in CUE, 3S in ESEC].

DISTRIBUTION: AF: Egypt [as "Gebel Elba"]. PA: Egypt.

EGYPTIAN LOCALITIES: Coastal Strip: Burg Mariout, Matrouh; Lower Nile Valley: Abu Rawash, Kirdassa; Eastern Desert: Wadi Morrah, Wadi Rishrash; Sinai: Wadi El Lega, Wadi Garagneyia; Gebel Elba.
 DATES OF COLLECTION: July to September.

***Mariobezzia lichtwardti* Becker, 1913**

Mariobezzia lichtwardti Becker & Stein, 1912: 604. *Nomen nudum*.

Mariobezzia zarudnyi Becker & Stein, 1912: 604. *Nomen nudum*.

Mariobezzia lichtwardti Becker, 1913: 470, figs. 15–16 [in Becker & Stein, 1913: 578]. Type locality: Turkmenistan.

Mariobezzia zarudnyi Becker in Becker & Stein, 1913: 579. Type locality: Iran.

Mariobezzia griseohirta Nurse, 1922: 887. Type locality: Pakistan.

Mariobezzia pellucida Paramonov, 1929a: 78(16). Type locality: Egypt [H (destroyed) in ESEC].

Mariobezzia griseohirta var. *aegyptiaca* Engel, 1933: 97. Type locality: Egypt (Wadi Gharagid) [H (destroyed) in ESEC].

DISTRIBUTION: OR: India, Pakistan. PA: Egypt, Iran, Israel, Turkmenistan.

EGYPTIAN LOCALITIES: Eastern Desert: Wadi Garrareyiat, Wadi Gharagid, Wadi Hoff, Wadi Rishrash.

DATES OF COLLECTION: June and July.

Subfamily CYTHEREINAE Becker

Genus AMICTUS Wiedemann

***Amictus* Wiedemann, 1817: 58.** Type species: *Bombylius oblongus* Fabricius, 1805, by monotypy.

Thlipsomyza Wiedemann, 1820: 12. Type species: *Bombylius compressus* Fabricius, 1805, by original designation.

Thlipsomyza Jensen, 1832: 327. Type species: *Bombylius compressus* Fabricius, 1805, by monotypy. Preoccupied by Wiedemann, 1820.

Thlipsogaster Rondani, 1863: 72 [1864: 72]. Type species: *Thlipsomyza castanea* Macquart, 1840, by subsequent designation (Bezzi, 1924a: 4).

Truquia Rondani, 1863: 72 [1864: 72]. Type species: *Truquia insularis* Rondani, 1863, by original designation.

Subbombylius Kapoor in Kapoor, Agarwal & Grewel, 1979: 411. Type species: *Subbombylius bowdeni* Kapoor & Agarwal, 1979, by original designation.

Thlypsigaster. Error for *Thlipsogaster* (Marschall, 1873: 348).

Sybbombylius. Incorrect original spelling of *Subbombylius* (Kapoor in Kapoor, Agarwal & Grewel, 1979: 411).

Thlypsogaster. Incorrect original spelling of *Thlipsogaster* (Rondani, 1863: 72).

***Amictus aegyptiacus* Paramonov, 1931**

Amictus aegyptiacus Paramonov, 1931: 7(7). Type locality: Egypt [?2 topotypes or isotypes in CUE, see: El Hawagry (2008: 219)].

DISTRIBUTION: PA: Egypt.

EGYPTIAN LOCALITIES: Coastal Strip: Marg; Lower Nile Valley: Abu Rawash, El Katta, Ezbet El Nakhl, Mansouriah, Marg; Eastern Desert: Abu Souir, Geneifa, Suez Road.

DATES OF COLLECTION: April to June.

***Amictus gebeli* Efflatoun, 1945**

Amictus gebeli Efflatoun, 1945: 161. Type locality: Egypt (Sinai: Wadi Garagneyia, Wadi El Lega) [L & 11PL designated by El Hawagry (2008: 219) in CUE; 14S (destroyed) in ESEC; 8S lost].

DISTRIBUTION: PA: Egypt.

EGYPTIAN LOCALITIES: Sinai: Wadi Garagneyia, Wadi El Lega.

DATES OF COLLECTION: June to September.

***Amictus pulchellus* Macquart, 1846**

Amictus pulchellus Macquart, 1846: 351(223), pl. 10, fig. 11 [*in* Lucas, 1849: 454]. Type locality: Algeria.

DISTRIBUTION: PA: Algeria, Egypt, Greece (incl. Rhodes), Israel, Morocco, Spain, Tunisia, Turkey.

EGYPTIAN LOCALITIES: Coastal Strip: Burg Mariout; Lower Nile Valley: Abu Rawash, Kafr Hakim, Kirdassa, Mazghouna, Pyramids; Western Desert: Sakkara.

DATES OF COLLECTION: March to May.

***Amictus setosus* Loew, 1869**

Amictus setosus Loew, 1869b: 243. Type locality: Greece [as "Makri"].

DISTRIBUTION: PA: Egypt, Greece, Israel, Turkey.

EGYPTIAN LOCALITIES: Coastal Strip: Abu Mina, Burg Mariout; Lower Nile Valley: Ezbet El Nakhl, Marg.

DATES OF COLLECTION: April and May.

Amictus shafiki Efflatoun, 1945

Amictus shafiki Efflatoun, 1945: 171. Type locality: Egypt (Sinai: Wadi El Lega, Wadi Garagneyia); [L & 33PL designated by El Hawagry (2008: 219, 220) in CUE; 15S (3 destroyed in ESEC; 6S lost)].

DISTRIBUTION: PA: Egypt.

EGYPTIAN LOCALITIES: Sinai: Wadi El Lega, Wadi Garagneyia.

DATES OF COLLECTION: June to September.

Amictus tener Becker, 1906

Amictus tener Becker, 1906c: 157. Type locality: Algeria.

DISTRIBUTION: PA: Algeria, Egypt.

EGYPTIAN LOCALITIES: Coastal Strip: Mariout; Lower Nile Valley: Abu Rawash, Kafr Hakim, Mazghouna; Western Desert: Sakkara.

DATES OF COLLECTION: March to May.

Genus **CHALCOCHITON** Loew

Chalcochiton Loew, 1844: 157. Type species: *Chalcochiton speciosus* Loew, 1844, by monotypy.

Logcocerius Rondani, 1863: 61 [1864: 61]. Type species: *Anthrax holosericeus* Fabricius, 1794 (as "*M. holosericeus* Loew"), by original designation.

Loncocerius Bezzi in Becker, Bezzi, Bischof, Kertész & Stein, 1903: 182. Unjustified emendation of *Logcocerius* Rondani, 1863. Type species: *Anthrax holosericeus* Fabricius, 1794, automatic.

Lonchocerius Bezzi, 1924a: 4. Unjustified emendation of *Logcocerius* Rondani, 1863. Type species: *Anthrax holosericeus* Fabricius, 1794, automatic.

Chalcochiton argyrocephalus (Macquart, 1840)

Anthrax argyrocephala Macquart, 1840: 55 [1841: 333]. Type locality: Algeria [as "D'Alger"].

DISTRIBUTION: PA: Algeria, Egypt, Israel, Jordan, Libya, Morocco, Palestine (West Bank).

EGYPTIAN LOCALITIES: Coastal Strip: Amriah to Hammam; Sinai: Ein Gedeirat.

DATES OF COLLECTION: March and April.

***Chalcochiton bisalbifrons* Bezzi, 1922**

Chalcochiton bisalbifrons Bezzi, 1922b: 147. Type locality: Libya.

DISTRIBUTION: PA: Egypt, Libya.

EGYPTIAN LOCALITIES: Unknown.

DATES OF COLLECTION: Unknown.

Genus **CYLLENIA** Latreille

Cyllenia Latreille, 1802: 429. Type species: *Cyllenia maculata* Latreille, 1802 [= *Asilus rusticus* Rossi, 1790], by monotypy.

Cyllenia marginata Loew, 1846: 368. Type locality: Turkey.

DISTRIBUTION: PA: Albania, Armenia, Azerbaijan, Bosnia Herzegovina, Croatia, Egypt, France, Greece (incl. Zakynthos), Gruzia, Iran, Israel, Italy (incl. Sicily), Macedonia, Romania, Slovenia, Turkey, Turkmenistan, Yugoslavia.

EGYPTIAN LOCALITIES: Sinai: Wadi El Arbaein, Wadi El Rabba.

DATES OF COLLECTION: April.

Genus **CYTHEREA** Fabricius

Cytherea Fabricius, 1794: 413. Type species: *Cytherea obscura*

Fabricius, 1794, automatic [by designation of type species for *Mulio* by Latreille (1810: 443)].

Mulio Latreille, 1797: 155. Unnecessary new replacement name for

Cytherea Fabricius, 1794. Type species: *Cytherea obscura* Fabricius, 1794, by subsequent designation (Latreille, 1810: 443).

Astrophra Rafinesque, 1815: 130. Unnecessary new replacement name for *Cytherea* Fabricius, 1794. Type species: *Cytherea obscura* Fabricius, 1794, automatic.

Glossista Rondani, 1856: 163. Type species: *Mulio infuscatus* Meigen, 1820, by original designation.

Cytherea albolineata (Bezz, 1925)

Glossista albolineata Bezzi, 1925: 176. Type locality: Egypt (Mariout, Wadi Hoff) [L & 4PL designated by El Hawagry (2008: 222) in CUE].

DISTRIBUTION: AF: Yemen. PA: Egypt, Iran, Israel, Jordan, Oman, Saudi Arabia, United Arab Emirates.

EGYPTIAN LOCALITIES: Coastal Strip: Mariout district from Amriah to Hammam and Abu Mina; Eastern Desert: Suez Road, Wadi Dar El Maskhara, Wadi Hoff, Wadi Rasheed, Wadi Rishrash, Wadi Um Elek; Sinai: Ein Gedeirat.

DATES OF COLLECTION: March to June.

Cytherea alexandrina (Becker, 1902)

Mulio alexandrinus Becker, 1902: 30 [1903a: 24]. Type locality: Egypt.

DISTRIBUTION: AF: Egypt [as "Gebel Elba"], Sudan, Yemen. PA: Afghanistan, Algeria, Egypt, Iran, Israel, Kuwait, Oman, Saudi Arabia, Tunisia, United Arab Emirates.

EGYPTIAN LOCALITIES: Coastal Strip: From Alexandria to Matrouh; Lower Nile Valley: Abu Rawash, Ezbet El Nakhl, Kafr Hakim, Kirdassa; Eastern Desert: Wadi Dar El Maskhara, Wadi Hoff; Sinai: Ein Gedeirat; Upper Nile Valley: South of Aswan; Gebel Elba: Wadi Kanssissrob, Wadi Edeib.

DATES OF COLLECTION: March to May.

Cytherea aurea Fabricius, 1794

Cytherea aurea Fabricius, 1794: 414. Type locality: Algeria or Tunisia [as "Barbaria"].

Mulio punctipennis Macquart, 1840: 78 [1841: 365]. Type locality: Italy (Sicily) & North Africa.

DISTRIBUTION: PA: Algeria, Egypt, Israel, Italy (incl. Sicily), Jordan, Libya, Morocco, Palestine (West Bank), Tunisia.

EGYPTIAN LOCALITIES: Coastal Strip: Abu Mina, Burg El Arab.

DATES OF COLLECTION: April and May.

Cytherea barbara Sack, 1906

Cytherea barbara Sack, 1906: 469. Type locality: Tunisia.

DISTRIBUTION: PA: Algeria, Egypt, Israel, Jordan, Lebanon, Libya, Palestine (Gaza Strip & West Bank), Syria, Tunisia.

EGYPTIAN LOCALITIES: Coastal Strip: Abu Mina, Burg El Arab, Matrouh, Salloum; Eastern Desert: Wadi Wirak; Sinai: Ein Gedeirat, Rafah, Wadi El Lega.

DATES OF COLLECTION: March to May.

Cytherea delicata (Becker, 1906)

Mulio delicatus Becker, 1906c: 153. Type locality: Tunisia & Algeria.

DISTRIBUTION: AF: Egypt [as "Gebel Elba"], Yemen. PA: Algeria, Egypt, Iran, Israel, Jordan, Kuwait, Morocco, Oman, Palestine (West Bank), Saudi Arabia, Tunisia, Turkey, United Arab Emirates.

EGYPTIAN LOCALITIES: Coastal Strip: From Alexandria to Matrouh; Lower Nile Valley: Abu Rawash, Ezbet El Nakhl, Kafr Hakim, Kirdassa; Eastern Desert: Wadi Dar El Maskhara, Wadi Hoff; Sinai: Ein Gedeirat; Upper Nile Valley: South of Aswan; Gebel Elba: Wadi Kanssissrob, Wadi Edeib.

DATES OF COLLECTION: March to May.

Cytherea maroccana (Becker, 1903)

Mulio maroccanus Becker, 1903a: 28 (key only) [1903b: 89]. Type locality: Algeria (Biskra).

Glossista nitidapex Bezzi, 1925: 177. Type locality: Egypt (Wadi Hoff; Wadi Garrawy) [L designated by El Hawagry (2008: 222) & 1T in CUE].

DISTRIBUTION: PA: Algeria, Egypt, Israel, Libya, Morocco.

EGYPTIAN LOCALITIES: Eastern Desert: Wadi Garrawi, Wadi Hoff; Sinai: Wadi El Rabba, Wadi El Lega.

DATES OF COLLECTION: March and April.

Cytherea nucleorum (Becker, 1902)

Mulio nucleorum Becker, 1902: 31 [1903a: 24]. Type locality: Egypt & Israel].

DISTRIBUTION: PA: Egypt, Israel, Jordan, Kuwait, Libya, Saudi Arabia, Syria.

EGYPTIAN LOCALITIES: Coastal Strip: Abu Mina, Burg El Arab; Sinai: Ein Gedeirat.

DATES OF COLLECTION: March and April.

Cytherea thyridophora (Bezzi, 1925)

Glossista thyridophora Bezzi, 1925: 178. Type locality: Egypt (Mariout) [L & 18PL designated by El Hawagry (2008: 222, 223) in CUE].

DISTRIBUTION: PA: Algeria, Egypt, Iran, Israel, Saudi Arabia, Tunisia.

EGYPTIAN LOCALITIES: Coastal Strip: Amriah, Burg El Arab, Hammam Ikingi Mariout.

DATES OF COLLECTION: March to May.

Cytherea wadensis Efflatoun, 1945

Cytherea wadensis Efflatoun, 1945: 399. Type locality: Egypt (Eastern Desert: Wadi Hoff, Wadi Garawi, Wadi Silly, Wadi Um Elek, Wadi Wirak, Wadi Zohleiga, Wadi Agramiah (North Galala); Sinai: Ein

Moussa, Wadi El Lega) [L & 88PL designated by El Hawagry (2008: 223) in CUE].

DISTRIBUTION: PA: Egypt, Israel.

EGYPTIAN LOCALITIES: Eastern Desert: Wadi Agramiah (North Galala),

Wadi Garawi, Wadi Hoff, Wadi Silly, Wadi Um Elek, Wadi Wirak,

Wadi Zohleiga; Sinai: Ein Moussa, Wadi El Lega.

DATES OF COLLECTION: March and April.

Genus **SINAIA** Becker

Sinaia Hermann, 1909: 149. Type species: *Sinaia kneuckeri* Becker, 1916, by subsequent designation (Bezzi, 1924a: 6). *Nomen nudum*.

Sinaia Becker, 1916: 65. Type species: *Sinaia kneuckeri* Becker, 1916, by original designation.

Sinaia kneuckeri Becker, 1916

Sinaia kneuckeri Hermann, 1909: 149. *Nomen nudum*.

Sinaia kneuckeri Becker, 1916: 66. Type locality: Egypt.

DISTRIBUTION: PA: Egypt.

EGYPTIAN LOCALITIES: Sinai: Ein Gedeirat.

DATES OF COLLECTION: April.

Subfamily **LOMATIINAE** Schiner

Tribe **LOMATIINI** Schiner

Genus **ANISOTAMIA** Macquart

Anisotamia Macquart, 1840: 81 [1841: 359]. Type species: *Anisotamia ruficornis* Macquart, 1840, by subsequent designation (Coquillett, 1910: 507).

Anisotamia ruficornis Macquart, 1840

Anisotamia ruficornis Macquart, 1840: 81 [1841: 359]. Type locality:

Egypt [L designated by Evenhuis & Greathead (1999: 643)].

DISTRIBUTION: PA: Egypt, Israel, Libya, Syria.

EGYPTIAN LOCALITIES: Coastal Strip: Abu Kbir, Alexandria, El Burg
Mariout, Max.
DATES OF COLLECTION: May & June.

Subfamily ANTONIINAE Hull

Genus ANTONIA Loew

Antonia Loew, 1856: 30. Type species: *Antonia suavissima* Loew, 1856,
by monotypy.

Dimorphophus Walker, 1871a: 255. *Nomen nudum*.

Dimorphophora Walker, 1871b: 272. Type species: *Dimorphophora*
syrphoides Walker, 1871 [= *Antonia suavissima* Loew, 1856], by
monotypy.

Antonia gabalensis El Hawagry, 2009

Antonia gabalensis El Hawagry, 2009: 3. Type locality: Egypt (Sinai:
Wadi El Shallalah) [H in CUE].

DISTRIBUTION: PA: Egypt.

EGYPTIAN LOCALITIES: Sinai (South Sinai): Wadi El Lega, Wadi El
Shallalah (near Rabbah), Wadi Garagniya.

DATES OF COLLECTION: June to September.

Antonia suavissima Loew, 1856

Antonia suavissima Loew, 1856: 30. Type locality: Egypt.

Dimorphophora syrphoides Walker, 1871b: 272. Type locality: Egypt.

DISTRIBUTION: AF: Djibouti, Egypt [as "Gebel Elba"], Eritrea, Ethiopia,
Somalia, Sudan, Yemen. PA: Algeria, Egypt, Italy (Sicily), Kuwait,
Oman, Saudi Arabia, United Arab Emirates.

EGYPTIAN LOCALITIES: Eastern Desert: Common in different wadies in
Eastern Desert; Sinai: Firan, Gebel Serbal; Gebel Elba.

DATES OF COLLECTION: March to June.

Subfamily ANTHRACINAE Latreille

Tribe ANTHRACINI Latreille

Genus ANTHRAX Scopoli

Anthrax Scopoli, 1763: 358. Type species: *Musca morio* Linnaeus, 1758 [misidentification, = *Musca anthrax* Schrank, 1781], by monotypy.

Leucamoeba Sack, 1909: 520. Type species: *Bibio aethiops* Fabricius, 1781, by original designation.

Chalcamoeba Sack, 1909: 522. Type species: *Anthrax virgo* Egger, 1859, by original designation.

Anthrax aethiops ssp. *bezzii* (Paramonov, 1957)

Anthrax aethiops ssp. *bezzii* Paramonov, 1957: 143. Type locality: Egypt (Mariout) [L & 4PL designated by El Hawagry *et al.* (2000: 101) in ESEC].

DISTRIBUTION: PA: Egypt, Israel.

EGYPTIAN LOCALITIES: Coastal Strip: From Alexandria to Salloum; Eastern Desert: Wadies south east of Cairo.

DATES OF COLLECTION: March to September.

Anthrax aygulus Fabricius, 1805

Anthrax aygulus Fabricius, 1805: 121. Type locality: Ghana.

Anthrax biflexa Loew, 1852: 659. Type locality: Mozambique.

Anthrax aygulus ssp. *senegalensis* François, 1972: 8. Type locality: Senegal.

DISTRIBUTION: AF: Botswana, Chad, Congo, Egypt [as "Gebel Elba"], Eritrea, Ethiopia, Ghana, Kenya, Malawi, Mauritania, Mozambique, Namibia, Nigeria, Senegal, South Africa, Sudan, Tanzania, Uganda, Yemen, Zambia, Zimbabwe. OR: China (Guanxi, Hainan, Hunan, Yunnan, Zhejiang). PA: China (Jiangxi, Sichuan, Xizang), Japan, Saudi Arabia.

EGYPTIAN LOCALITIES: Gebel Elba.

DATES OF COLLECTION: January and February.

Anthrax binotatus Wiedemann *in* Meigen, 1820

Anthrax binotata Wiedemann *in* Meigen, 1820: 165. Type locality: Portugal.

Anthrax subnotata Wiedemann in Meigen, 1820: 166. Type locality: Portugal.

DISTRIBUTION: PA: Albania, Armenia, Azerbaijan, Austria, Bosnia Herzegovina, Bulgaria, Croatia, Czech Republic, Egypt, France, Germany, Greece (incl. Ithaca, Rhodes), Gruzia, Hungary, Iran, Israel, Italy (incl. Sardinia, Sicily), Libya, Macedonia, Moldova, Morocco, Poland, Portugal, Russia, Slovakia, Slovenia, Spain, Switzerland, Syria, Tajikistan, Turkey, Ukraine, Uzbekistan.

EGYPTIAN LOCALITIES: Unknown.

DATES OF COLLECTION: Unknown.

Anthrax candidapex Austen, 1937

Spongostylum candidapex Austen, 1937: 120. Type locality: Palestine (West Bank).

DISTRIBUTION: PA: Israel, Palestine (West Bank).

EGYPTIAN LOCALITIES: Western Desert: Dakhla; Sinai: El Arish.

DATES OF COLLECTION: March to May.

Anthrax chionanthrax (Bezzi, 1926)

Argyramoeba chionanthrax Bezzi, 1926: 265. Type locality: Egypt (Wadi Um Biar (Quseir)) [L designated by El Hawagry *et al.* (2000: 102) in ESEC].

Anthrax cairensis Paramonov, 1935: 10, 15, 25, 30 (key only) [1936b: 86]. Type locality: Egypt (Wadi Hoff) [H in CUE].

Anthrax nanus Paramonov, 1935: 15, 30 (key only) [1936b: 130]. Type locality: Egypt (Eastern Desert: Suez Road; Lower Nile Valley: Borgash) [L & 4PL designated by El Hawagry *et al.* (2000: 102) in ESEC].

DISTRIBUTION: PA: Egypt, Israel.

EGYPTIAN LOCALITIES: Lower Nile Valley: Abu Rawash, Borgash, Mansouriah, Eastern Desert: Suez Road, Wadi Hoff, Wadi Morrah, Wadi Garawi, Wadi Um Biar (Quseir); Sinai: Wadi El Rabba.

DATES OF COLLECTION: February to September.

Anthrax dentata (Becker, 1906)

Argyromoeba dentata Becker, 1906c: 148. Type locality: Tunisia.

Anthrax efflatouni Paramonov, 1935: 7, 22 (key only) [1936b: 90]. Type locality: Egypt (Wadi Um Biar "Quseir") [H in ESEC].

DISTRIBUTION: AF: Aldabra, Chad, Eritrea, Kenya, Tanzania, Yemen (incl. Socotra). PA: Algeria, Andorra, Egypt, Hungary, Israel, Italy (incl. Sicily), Libya, Malta, Morocco, Palestine (West Bank), Saudi Arabia, Spain, Tunisia.

EGYPTIAN LOCALITIES: Coastal Strip: Nuzha; Lower Nile Valley: Abu Rawash, Badrasheen, Barrage, El Mansouriah, Embaba, Ezbet Nakhl, Katta, Kirdassa, Marg; Eastern Desert: Ogret El Sheikh, Wadi Abu Ghanayem, Wadi Dar El Maskhara, Wadi Degla, Wadi Rishrash, Wadi Um Biar (Quseir), Wadi Um Elik; Fayoum: Kom Osheem, Tameyia; Sinai: Wadi El Arbaein, Wadi El Rabba, Wadi Za'aitar.
DATES OF COLLECTION: March to September.

Anthrax galali El Hawagry, 2002

Anthrax galali El Hawagry, 2002: 2. Type locality: Egypt (Sinai: Wadi El Rabba) [H in CUE].

DISTRIBUTION: PA: Egypt.

EGYPTIAN LOCALITIES: Sinai: Wadi El Rabba.

DATES OF COLLECTION: April.

Anthrax greatheadi El Hawagry, 1998

Anthrax greatheadi El Hawagry, 1999: 108. Type locality: Egypt (Sinai: St. Catherine "Hagar Bardeiya") [H in CUE].

DISTRIBUTION: PA: Egypt.

EGYPTIAN LOCALITIES: Sinai: Ein Maein El Roeian, Hagar Bardeiya, Serbal, Wadi El Arbaein, Wadi Gebal.

DATES OF COLLECTION: May to August.

Anthrax johanni Zaitzev, 1997

Anthrax muscaria Klug, 1832: pl. 30, fig. 15. Type locality: Egypt.
Preoccupied by Pallas, 1818.

Anthrax johanni Zaitzev, 1997: 900. New replacement name for *Anthrax muscaria* Klug, 1832.

DISTRIBUTION: AF: Chad, Eritrea, Kenya, Yemen. PA: Egypt, Israel, Malta, Saudi Arabia.

EGYPTIAN LOCALITIES: Unknown.

DATES OF COLLECTION: Unknown.

Anthrax lucidus (Becker, 1902)

Argyromoeba lucida Becker, 1902: 29. Type locality: Egypt (Fayoum: Siala).

Anthrax hassani Paramonov, 1935: 11, 25, 26 (key only) [1936b: 94].
Type locality: Egypt (Mazghouna, Wadi Um Girfan) [L designated by El Hawagry *et al.* (2000: 103) in ESEC].

Spongostylum nigrum Austen, 1937: 122. Type locality: Palestine (West Bank).

DISTRIBUTION: AF: Egypt [as "Gebel Elba"], Sudan. PA: Israel, Libya, Palestine (West Bank), Tunisia.

EGYPTIAN LOCALITIES: Lower Nile Valley: Helwan, Mazghouna, Shubra; Eastern Desert: Wadi Beida, Wadi Gharaba, Wadi Rishrash, Wadi Um Girfan; Western Desert: Dakhla Oasis; Fayoum: Siyala; Sinai: Ein Moussa, Wadi El Arbaein, Wadi El Rabba, Wadi Ein Gedeirat, Wadi Garagneyia, Wadi Gebal; Gebel Elba.

DATES OF COLLECTION: January to September.

Anthrax melanista (Bezzi, 1925)

Argyramoeba melanista Bezzi, 1925: 221. Type locality: Egypt (Wadi Hoff, Wadi Rishrash) [L & 2PL designated by El Hawagry *et al.* (2000: 104) in ESEC].

DISTRIBUTION: PA: Egypt.

EGYPTIAN LOCALITIES: Eastern Desert: Wadi Dar El Maskhara, Wadi Garawi, Wadi Hoff, Wadi Rishrash, Wadi Morrah, Wadi Um Elik, Wadi Zohleiga.

DATES OF COLLECTION: March to September.

Anthrax moursyi El Hawagry, 1998

Anthrax moursyi El Hawagry, 1998: 109. Type locality: Egypt (Sinai: Wadi El Arbein) [H in CUE].

DISTRIBUTION: PA: Egypt.

EGYPTIAN LOCALITIES: Sinai: Serbal, Wadi Abu Hbeig, Wadi El Arbein.

DATES OF COLLECTION: May to July.

Anthrax pharaonis Paramonov, 1935

Anthrax pharaonis Paramonov, 1935: 15, 30 (key only) [1936b: 138].
Type locality: Egypt [H in ESCE].

DISTRIBUTION: PA: Egypt.

EGYPTIAN LOCALITIES: Coastal Strip: Mariout.

DATES OF COLLECTION: May.

Anthrax sticticus Klug, 1832

Anthrax stictica Klug, 1832: pl. 30, fig. 14. Type locality: Saudi Arabia [as "Arabia felici"].

Argyramoeba polystigma Sack, 1909: 534. Type locality: Cyprus & Greece & Turkey.

Spongostylum quinque maculatum Bezzi, 1920: 105. Type locality: Guinea Bissau [as "Guinea Portoghese"].

Spongostylum quinque maculatum Bezzi, 1924a: 170. Type locality: Senegal. Preoccupied by Bezzi, 1920.

DISTRIBUTION: AF: Chad, Eritrea, Guinea Bissau, Nigeria, Senegal. PA: Afghanistan, Armenia, Azerbaijan, Cyprus, Egypt, Greece, Gruzia, Iran, Israel, Italy (incl. Sicily), Kyrgyz Republic, Macedonia, Oman, Palestine (West Bank), Syria, Tajikistan, Turkey, Turkmenistan, Uzbekistan, Yugoslavia.

EGYPTIAN LOCALITIES: Sinai: Gebel Moussa.

DATES OF COLLECTION: May to July.

***Anthrax trifasciatus* Meigen, 1804**

Anthrax trifasciata Meigen, 1804: 206. Type locality: France.

Anthrax leucogaster Wiedemann in Meigen, 1820: 163. Type locality: "Oesterreich" [probably = Austria].

Anthrax capitulata Mulsant, 1852: 11. Type locality: France.

Argyramoeba heteropyga Sack, 1909: 531. Type locality: France (Corsica).

DISTRIBUTION: OR: Pakistan. PA: Afghanistan, Albania, Algeria, Austria, Belgium, Bosnia Herzegovina, Bulgaria, Croatia, Czech Republic, Egypt, France (incl. Corsica), Greece (incl. Corfu, Ithaca, Rhodes, Santorini, Zakynthos), Hungary, Italy (incl. Sicily), Kyrgyz Republic, Macedonia, Malta, Morocco, Oman, Poland, Slovakia, Slovenia, Spain, Switzerland, Tajikistan, Tunisia, Turkey, Turkmenistan, United Arab Emirates, Uzbekistan, Yugoslavia.

EGYPTIAN LOCALITIES: Sinai: Abu Hbeig, Wadi El Arbaein, Wadi Garagneyia, Wadi Tlah.

DATES OF COLLECTION: April and May.

***Anthrax zohrayensis* El Hawagry, 2002**

Anthrax zohrayensis El Hawagry, 2002: 4. Type locality: Egypt (Sinai: Wadi El Arbaein) [H in CUE].

DISTRIBUTION: AF: Egypt.

EGYPTIAN LOCALITIES: Sinai: Wadi El Arbaein, Wadi Garagneyia.

DATES OF COLLECTION: March to August.

Genus **SPOGOSTYLUM** Macquart

***Spogostylum* Macquart, 1840: 53 [1841: 331]. Type species:**

Spogostylum mystaceum Macquart, 1840 [= *Anthrax tripunctatus* Wiedemann, 1820], by monotypy.

Spongostylum Agassiz, 1846b: 349. Unjustified emendation of *Spogostylum* Macquart, 1840. Type species: *Spogostylum*

- mystaceum* Macquart, 1840 [= *Anthrax tripunctatus* Wiedemann, 1820], automatic.
- Argyromoeba* Schiner, 1860a: 51. Type species: *Anthrax tripunctatus* Wiedemann, 1820, by designation of Coquillett (1910b: 510).
- Argyramoeba* Loew, 1869b: 228 [1872a: 114; 1872c: 290]. Unjustified emendation of *Argyromoeba* Schiner 1860. Type species: *Anthrax tripunctatus* Wiedemann, 1820, automatic.
- Anthracamoeba* Sack, 1909: 515. Type species: *Anthracamoeba obscura* Sack, 1909, by original designation.
- Chrysamoeba* Sack, 1909: 516. Type species: *Chrysamoeba vulpina* Sack, 1909, by original designation. Preoccupied by Klebs, 1892.
- Molybdamoeba* Sack, 1909: 510, 519. Type species: *Anthrax tripunctatus* Wiedemann, 1820, by original designation.
- Psamatamoeba* Sack, 1909: 536. Type species: *Anthrax isis* Meigen, 1820, by original designation.
- Coniomastix* Enderlein, 1934: 140. Type species: *Coniomastix montana* Enderlein, 1934, by original designation.
- Aureomoeba* Evenhuis, 1978c: 247. New replacement name for *Chrysamoeba* Sack, 1909. Type species: *Chrysamoeba vulpina* Sack, 1909, automatic.
- Spogostylum*. Incorrect original spelling of *Spogostylum* (Macquart, 1840: pl. 19, fig 1).

***Spogostylum bisniphas* (Bezzi, 1925)**

Argyramoeba bisniphas Bezzi, 1925: 223. Type locality: Egypt (Wadi Garawi, Wadi Hoff) [L & 3PL designated by El Hawagry *et al.* (2000: 107) in ESEC].

DISTRIBUTION: PA: Egypt.

EGYPTIAN LOCALITIES: Eastern Desert: Wadi Dar El Maskhara, Wadi Garawi, Wadi Hoff, Wadi Rishrash, Wadi Um Girfan.

DATES OF COLLECTION: April to June.

***Spogostylum candidum* (Sack, 1909)**

Psamatamoeba candida Sack, 1909: 538. Type locality: Iran.

DISTRIBUTION: AF: Egypt [as "Gebel Elba"]. OR: Pakistan. PA: Egypt, Iran, Turkey, United Arab Emirates.

EGYPTIAN LOCALITIES: Eastern Desert: Abu Sueir, Geneifa, Wadi Garawi, Wadi Morrah; Sinai: El Arish, Bir Tarfah, Gebel Moussa, Hagar Bardeyia, Rafah, Wadi El Arbaein, Wadi El Rabba, Wadi Firan, Wadi Garagneyia, Wadi Isla, El Zawatein; Fayoum; Gebel Elba.

DATES OF COLLECTION: March to August.

Spogostylum efflatouni Paramonov, 1957

Spongostylum efflatouni Paramonov, 1957: 147. Type locality: Egypt (Eastern Desert: Wadi Digla).

Spongostylum sergeiae Hull, 1973: 441. Unnecessary new replacement name for *Spongostylum efflatouni* Paramonov, 1957.

DISTRIBUTION: PA: Egypt.

EGYPTIAN LOCALITIES: Eastern Desert: Wadi Digla.

DATES OF COLLECTION: April to June.

Spogostylum griseipenne (Macquart, 1850)

Exoprosopa griseipennis Macquart, 1850: 408(104). Type locality: Egypt.

DISTRIBUTION: AF: Mauritania, Niger. PA: Egypt, Iraq, Israel, Libya, Palestine (West Bank), Saudi Arabia, Tunisia, United Arab Emirates.

EGYPTIAN LOCALITIES: Lower Nile Valley: Ebn Salam (Mansourah); Western Desert: Kharga; Fayoum: Kom Osheem.

DATES OF COLLECTION: April to November.

Spogostylum hamadnallahi El Hawagry, 2002

Spogostylum hamadnallahi El Hawagry, 2002: 6. Type locality: Egypt (Sinai: Wadi Garagneyia) [H in CUE].

DISTRIBUTION: PA: Egypt.

EGYPTIAN LOCALITIES: Sinai: Wadi Garagneyia.

DATES OF COLLECTION: August.

Spogostylum hippolyta (Wiedemann, 1828)

Anthrax hippolyta Wiedemann, 1828: 287. Type locality: Egypt or Sudan [as "Nubien"].

Argyrozoa dedecor Hermann, 1907: 197. Type locality: Turkey.

Anthrax villosa Klugin Hull, 1973: 441. *Nomen nudum*.

DISTRIBUTION: AF: Eritrea, Gambia, Guinea, Mali, Mauritania, Senegal, Sudan. PA: Egypt, Iran, Israel, Libya, Tajikistan, Turkey, Turkmenistan.

EGYPTIAN LOCALITIES: Coastal Strip: Hammam; Western Desert: Kharga; Sinai: Moweilah.

DATES OF COLLECTION: September.

Spogostylum incisurale (Macquart, 1840)

Anthrax incisuralis Macquart, 1840: 57 [1841: 335]. Type locality: South Africa (Western Cape).

Anthrax biappendiculata Macquart, 1855: 95(75). Type locality: South Africa (Western Cape).

Anthrax mixta Loew, 1860a: 89. Type locality: Namibia [as "Swakop"].

Molybdamoeba incisuralis var. *inquirenda* Bezzi, 1912: 618 Type locality: Malawi [as "North Nyasa"].

Argyramoeba incisuralis f. *aridicola* Hesse, 1956a: 462. Type locality: South Africa (Northern Cape).

Argyramoeba incisuralis f. *glaucescens* Hesse, 1956a: 462. Type locality: South Africa (Eastern Cape).

Argyramoeba incisuralis f. *fumosa* Hesse, 1956a: 463. Type locality: South Africa (Western Cape).

DISTRIBUTION: AF: Botswana, Egypt [as "Gebel Elba"], Lesotho, Malawi, Mozambique, Namibia, South Africa, Tanzania, Uganda, Zambia, Zimbabwe. PA: Egypt.

EGYPTIAN LOCALITIES: Coastal Strip: Alexandria, Nuzha, Ramleh; Lower Nile Valley: Abu Rawash, Barrage, Borgash, Faraskour, Kafr Hakim, Katta, Kirdassa, Mansouriah, Ezbet Nakhl; Eastern Desert: Gebel Asfar, Ismailia, Wadi Garawi, Wadi Um Elik; Fayoum: Kom Osheem; Sinai: Wadi El Lega, Wadi Firan; Gebel Elba.

DATES OF COLLECTION: April to September.

***Spogostylum isis* (Meigen, 1820)**

Anthrax isis Meigen, 1820: 164. Type locality: "Oesterreich" [probably = Austria].

Anthrax subnotata Walker, 1871a: 262. Type locality: Egypt (Mount Sinai). Preoccupied by Wiedemann, 1820.

DISTRIBUTION: AF: ?Mali. PA: Algeria, Armenia, Austria, Azerbaijan, Belgium, Croatia, Cyprus, Egypt, France, Greece, Gruzia, Israel, Italy, Kazakhstan, Kyrgyz Republic, Libya, Macedonia, Malta, Morocco, Portugal, Saudi Arabia, Spain, Syria, Tajikistan, Tunisia, Turkey, Turkmenistan, Uzbekistan, Yugoslavia.

EGYPTIAN LOCALITIES: Coastal Strip: Mariout; Lower Nile Valley: Kafr Hakim, Kirdassa; Eastern Desert: Abu Sueir, Fayed, Geneifa, Wadi Gharagid, Wadi Ibtadi, Wadi Um Girfan, Wadi Zohleiga; Sinai: Wadi El Arbaein, Wadi Isla, Wadi Tlah.

DATES OF COLLECTION: April to August.

***Spogostylum niphas* (Hermann, 1907)**

Argyromoeba niphas Hermann, 1907: 194. Type locality: Transcaspien.

Spogostylum niphas var. *bilineata* Engel, 1936: 448. Type locality: Israel.

DISTRIBUTION: AF: Eritrea, Mauritania, Somalia, Yemen. OR: Pakistan.
PA: Egypt, Israel, Oman, Saudi Arabia, Tajikistan, Turkey,
Turkmenistan.

EGYPTIAN LOCALITIES: Coastal Strip: Mariout; Lower Nile Valley:
Barrage, Helwan, Mansouriah, Tisfa; Eastern Desert: Wadi Garawi,
Wadi Girfan, Wadi Ibtadi.

DATES OF COLLECTION: April to August.

***Spogostylum ocyale* (Wiedemann, 1828)**

Anthrax ocyale Wiedemann, 1828: 285. Type locality: Egypt or Sudan
[as “Nubien”].

Anthrax umbra Walker, 1849: 245. Type locality: Not given.

Spogostylum arugotense Zaitzev, 1997: 909 [653]. Type locality: Israel.

DISTRIBUTION: AF: Somalia, Sudan, Yemen. PA: Egypt, Iran, Israel,
Jordan, Libya, Oman, Palestine (West Bank), Saudi Arabia, United
Arab Emirates.

EGYPTIAN LOCALITIES: Coastal Strip: Amriah, Matrouh, Mex, Nuzha,
Salloum; Lower Nile Valley: Barrage, Borgash, Helwan, Kirdassa;
Fayoum; Eastern Desert: Gubbet El Bous, Wadi Digla, Wadi Hoff;
Western Desert: Dakhla; Upper Nile Valley: Abu Simbel, El Minya;
Sinai: El Arish, Wadi Firan, Wadi Isla, Wadi Moueilah.

DATES OF COLLECTION: January to October.

***Spogostylum sordidum* Sack, 1909**

Spongostylum sordidum Sack, 1909: 514. Type locality: Iran.

Spongostylum antiopa Bezzi, 1925: 221. Type locality: Egypt (Coastal
Strip: Mariout) [H in ESEC].

DISTRIBUTION: PA: Afghanistan, Egypt, Iran, Oman, Saudi Arabia,
Tajikistan, Turkmenistan, Uzbekistan.

EGYPTIAN LOCALITIES: Coastal Strip: Mariout, Matrouh, Nuzha,
Salloum; Eastern Desert: Wadi Digla, Wadi Hoff; Sinai: El Arish.

DATES OF COLLECTION: January to September.

***Spogostylum tripunctatum* (Pallas in Wiedemann 1818)**

Anthrax tripunctata Pallas in Wiedemann, 1818: 13. *Nomen nudum*.

Anthrax tripunctata Wiedemann in Meigen, 1820: 166. Type locality:
Russia.

Anthrax difficilis Wiedemann in Meigen, 1820: 167. Type locality:
Croatia [as “Dalmatien”].

Spogostylum mystaceum Macquart, 1840: 53]. Type locality: Egypt.

DISTRIBUTION: PA: Afghanistan, Albania, Algeria, Armenia, Austria,
Azerbaijan, Bosnia Herzegovina, Bulgaria, Croatia, Egypt, France,

Greece (incl. Ithaca), Gruzia, Israel, Italy, Kyrgyz Republic, Libya, Macedonia, Malta, Moldova, Morocco, Russia, Spain, Switzerland, Syria, Tajikistan, Turkey, Turkmenistan, Ukraine, Uzbekistan.
EGYPTIAN LOCALITIES: Lower Nile Valley: Ezbet El Nakhl, Mansouriah; Fayoum.
DATES OF COLLECTION: March to June.

***Spogostylum ventrale* Bezzi, 1924**
Spogostylum ventrale Bezzi, 1924a: 174. Type locality: Kenya & Ethiopia [as "South Abyssinia].
DISTRIBUTION: AF: Eritrea, Ethiopia, Kenya, Yemen. PA: Egypt, Oman.
EGYPTIAN LOCALITIES: Sinai: Wadi El Arbaein.
DATES OF COLLECTION: May to July.

***Anthrax volitans* Wiedemann, 1828**
Anthrax volitans Wiedemann, 1828: 566. Type locality: Egypt or Sudan [as "Nubien"].
DISTRIBUTION: AF: Sudan. PA: Egypt.
EGYPTIAN LOCALITIES: Unknown.
DATES OF COLLECTION: Unknown.

Tribe APHOEBANTINI Becker

Genus APHOEBANTUS Loew

***Aphoebantus* Loew, 1872: 77.** Type species: *Aphoebantus cervinus* Loew, 1872, by monotypy.
Triodites Osten Sacken, 1877: 245. Type species: *Triodites mus* Osten Sacken, 1877, by monotypy. Preoccupied by Gistel, 1848.
Triodina Hull, 1973: 322 (as subgenus of *Aphoebantus* Loew). New replacement name for *Triodites* Osten Sacken, 1877. Type species: *Triodites mus* Osten Sacken, 1877, automatic.
Meganedys Hull, 1973: 322 (as subgenus of *Aphoebantus* Loew). Type species: *Aphoebantus petiolata* Hull, 1973, by original designation.

***Aphoebantus wadensis* Bezzi, 1925**
Aphoebantus wadensis Bezzi, 1925: 208. Type locality: Egypt (Wadi Hoff, Wadi Rishrash) [L & PL designated by El Hawagry (2007: 49) in ESEC].

DISTRIBUTION: PA: Egypt, Israel.
EGYPTIAN LOCALITIES: Eastern Desert: Common in all Wadies of the desert; Sinai: Ein Gedeirat, Wadi El Lega.
DATES OF COLLECTION: March to May.

Genus **CONONEDYS** Hermann

Cononedys Hermann, 1907: 197. Type species: *Anthrax stenura* Loew, 1871, by original designation.

Conogaster Hermann, 1907: 199. Type species: *Conogaster erythraspis* Hermann, 1907, by monotypy. Preoccupied by Brauer & Bergenstamm, 1891.

Cononedys bilobatoides El Hawagry, 2007

Cononedys bilobatoides El Hawagry, 2007: 50. Type locality: Egypt (South Sinai: Wadi Tlah “= Wadi Itlah”) [H in CUE].

DISTRIBUTION: PA: Egypt.

EGYPTIAN LOCALITIES: Sinai: Wadi El Arbaein, Wadi El Garagneyia, Wadi Tlah.

DATES OF COLLECTION: May to August.

Cononedys dichromatopa (Bezzi, 1925)

Aphoebantus dichromatopus Bezzi, 1925: 207. Type locality: Egypt (Mariout) [L & 2PL designated by El Hawagry (2007: 51) in ESEC].

DISTRIBUTION: PA: Egypt, Israel.

EGYPTIAN LOCALITIES: Coastal Strip: Mariout district from Amriah to Hammam; Sinai: Ein Gedeirat.

DATES OF COLLECTION: March and April.

Cononedys efflatouni (Bezzi, 1925)

Aphoebantus efflatouni Bezzi, 1925: 205. Type locality: Egypt (Mariout, Wadi Hoff, Wadi Rishrash) [L & 3PL designated by El Hawagry (2007: 52) in ESEC].

DISTRIBUTION: PA: Egypt, Israel.

EGYPTIAN LOCALITIES: Coastal Strip: Mariout; Eastern Desert: Wadies of the desert from south east of Cairo to Qusseir; Sinai: Ein Gedeirat, Kossayema, Wadi El Arbaein.

DATES OF COLLECTION: March to May.

***Cononedys escheri* (Bezzi, 1908)**

Aphoebantus escheri Bezzi, 1908a: 28. Type locality: Algeria.

DISTRIBUTION: PA: Algeria, Egypt, Tunisia.

EGYPTIAN LOCALITIES: Coastal Strip: Burg El Arab, Hammam, Mariout, Matrouh.

DATES OF COLLECTION: March to May.

Tribe **EXOPROSOPINI** Becker

Genus **EXOPROSOPA** Macquart

Exoprosopa Macquart, 1840: 35. Type species: *Anthrax pandora* Fabricius, 1805, by subsequent designation.

Litorhynchus Macquart, 1840: 78. Type species: *Litorhynchus hamatus* Macquart, 1840 [= *Anthrax heros* Wiedemann, 1819], by subsequent designation (Coquillett, 1910: 562).

Trinaria Mulsant, 1852a: 20 [1852b: 180]. Type species: *Anthrax interrupta* Mulsant, 1852 [preoccupied, = *Anthrax rutila* Pallas & Wiedemann, 1818], by subsequent designation (Coquillett, 1910: 617).

Argyrosipila Rondani, 1856: 162, 202. Type species: *Anthrax jaccus* Fabricius, 1805, by original designation (as "jaccus").

Defilippia Lioy, 1864: 733. Type species: *Anthrax minos* Meigen, 1804, by subsequent designation (Griffini, 1896: 42).

Litorrhynchus Verrall in Scudder, 1882: 192. Unjustified emendation of *Litorhynchus* Macquart, 1840. Type species: *Litorhynchus hamatus* Macquart, 1840 [= *Anthrax heros* Wiedemann, 1819], automatic.

Exoptata Coquillett, 1887: 13 (as subgenus of *Exoprosopa* Macquart). Type species: *Exoprosopa divisa* Coquillett, 1887, by monotypy.

Cladodisca Bezzi, 1922a: 105 (as subgenus of *Exoprosopa* Macquart). Type species: *Exoprosopa munda* Loew, 1869, by monotypy.

Litomyza Hull, 1973: 426. Type species: *Litorhynchus hamatus* Macquart, 1840 [= *Anthrax heros* Wiedemann, 1819], by subsequent designation (Evenhuis, 1991: 48). *Nomen nudum*.

Argyrosypila. Incorrect original spelling of *Argyrosipila* (Rondani, 1856: 162).

Exoprosopa ammophila Paramonov, 1931

Exoprosopa ammophila Paramonov, 1931: 91. Type locality: Egypt

(Gebel Elba) [H in CUE].

DISTRIBUTION: AF: Egypt [as "Gebel Elba"], Sudan.

EGYPTIAN LOCALITIES: Gebel Elba.

DATES OF COLLECTION: March to May.

***Exoprosopa biguttata* (Macquart, 1834)**

Anthrax biguttata Macquart, 1834: 409. Type locality: Cape Verde Island.

Exoprosopa notabilis Macquart, 1840: 43. Type locality: Senegal.

Exoprosopa tewfiki Paramonov, 1931: 89. Type locality: Egypt [H (destroyed) in ESCE].

DISTRIBUTION: AF: Benin, Cape Verde Island, Chad, Egypt [as "Gebel Elba"], Eritrea, Ethiopia, Ghana, Ivory Coast, Mali, Mauritania, Niger, Nigeria, Senegal, Sudan. PA: Egypt, Oman, Saudi Arabia.

EGYPTIAN LOCALITIES: Sinai: Wadi El Lega, Wadi Firan, Wadi Garagneyia; Gebel Elba: Wadi Edeib.

DATES OF COLLECTION: February to August.

***Exoprosopa circeoides* Paramonov, 1928**

Exoprosopa circeoides Paramonov, 1928: 217(39). Type locality: Egypt [3S (destroyed) in ESCE].

Exoprosopa circeoides var. *nigrofasciata* Paramonov, 1928: 218(40). Type locality: Egypt [2S (destroyed) in ESCE].

DISTRIBUTION: PA: Egypt, Israel.

EGYPTIAN LOCALITIES: Lower Nile Valley: Barrage, Ezbet Nakhl, Faraskour; Eastern Desert: Wadi Zohleiga.

DATES OF COLLECTION: March to September.

***Exoprosopa decrepita* (Wiedemann, 1828)**

Anthrax decrepita Wiedemann, 1828: 564. Type locality: Egypt or Sudan [as "Nubien"].

Exoprosopa albifacies Paramonov, 1928: 205(27). Type locality: Egypt [3S (destroyed) in ESCE].

Exoprosopa aegyptiaca Paramonov, 1928: 205(27). Type locality: Egypt [2S (destroyed) in ESCE].

Exoprosopa flava Paramonov, 1928: 230(52). Type locality: Egypt [2S in ESEC].

Exoprosopa verna Greathead, 1970: 115. Type locality: Chad.

DISTRIBUTION: AF: Chad, Egypt [as "Gebel Elba"], Senegal, Sudan. PA: Egypt, Israel, Saudi Arabia.

EGYPTIAN LOCALITIES: Lower Nile Valley: Barrage, Borgash, Kafr Hakim, Kirdassa, Mansouriah; Eastern Desert: Ismailia, Kassassein,

Wadi Digla, Wadi Garawi, Wadi Hoff, Wadi Um Elik; Western Desert: Dahshour; Gebel Elba.
DATES OF COLLECTION: March to September.

***Exoprosopa disrupta* Walker, 1871**

Exoprosopa disrupta Walker, 1871a: 261. Type locality: Sudan (Hor Tamanib).

Exoprosopa lacerata Engel, 1936: 490. Type locality: Egypt (Gebel Elba) [2S (destroyed) in ESEC].

DISTRIBUTION: AF: Egypt [as "Gebel Elba"], Eritrea, Senegal, Somalia, Sudan, Yemen. OR: ?India.

EGYPTIAN LOCALITIES: Gebel Elba: Wadi Edeib, Wadi Kanssissrob.

DATES OF COLLECTION: January and February.

***Exoprosopa efflatounbeyi* Paramonov, 1928**

Exoprosopa efflatounbeyi Paramonov, 1928: 226(48). Type locality: Egypt [H in ESEC].

DISTRIBUTION: AF: Yemen. PA: Egypt, Saudi Arabia.

EGYPTIAN LOCALITIES: Eastern Desert: Wadi Digla.

DATES OF COLLECTION: August.

*Remark: Lambkin *et al.* (2003) proposed the transfer of this species to genus *Balaana* Lambkin & Yeates.

***Exoprosopa efflatouni* Bezzi, 1925**

Exoprosopa efflatouni Bezzi, 1925: 240. Type locality: Egypt (Marg Wadi Hoff) [2S (destroyed) in ESCE].

Exoprosopa dulcis Austen, 1936: 199. Type locality: Pakistan (Quetta).

DISTRIBUTION: AF: Eritrea, Mali, Sudan, Yemen. OR: India (Maharashtra), Pakistan. PA: Algeria, Egypt, Iran, Israel, Saudi Arabia.

EGYPTIAN LOCALITIES: Lower Nile Valley: Marg Sinai: El Arish, Ein Gedeirat, Gebel Moussa, Rafah; Eastern Desert: Wadies south east of Cairo.

DATES OF COLLECTION: May to August.

*Remark: Lambkin *et al.* (2003) proposed the transfer of this species to genus *Defilippia* Liroy 1864.

***Exoprosopa minoana* Paramonov, 1928**

Exoprosopa minoana Paramonov, 1928: 247(69). Type locality: Egypt (Kirdassa) [H (destroyed) in ESCE].

DISTRIBUTION: PA: Egypt.

EGYPTIAN LOCALITIES: Lower Nile Valley: Kirdassa.

DATES OF COLLECTION: April.

Exoprosopa minos (Meigen, 1804)

Anthrax minos Meigen, 1804: 207. Type locality: France.

Anthrax semialba Pallas & Wiedemann in Wiedemann, 1818: 14. Type locality: Kazakhstan [as "In australioribus deserti caspici ad Irтин"].

Nemotelus sideratus Pallas in Wiedemann, 1818: 14. *Nomen nudum*.

Anthrax germari Wiedemann, 1818: 14. *Nomen nudum*.

Nemotelus quadricinctus Pallas in Wiedemann, 1818: 14. *Nomen nudum*.

Anthrax germari Wiedemann in Meigen, 1820: 175. Type locality:

Croatia [as "Spalatro in Dalmatien"] & Russia [as "Südrussland"].

Anthrax senilis Klug, 1832: pl. 30, fig. 10. Type locality: Syria

Exoprosopa albiventris Macquart, 1840: 39. Type locality: Greece (Chios [as "Scio"]).

DISTRIBUTION: PA: Algeria, Armenia, Austria, Azerbaijan, Croatia, Czech Republic, Egypt, France, Germany, Greece (incl. Chios, Rhodes), Gruzia, Hungary, Iran, Israel, Italy (incl. Sardinia, Sicily), Kazakhstan, Kyrgyz Republic, Lebanon, Libya, Moldova, Morocco, Palestine (West Bank), Poland, Romania, Russia, Slovakia, Spain, Syria, Tajikistan, Tunisia, Turkey, Turkmenistan, Ukraine, Uzbekistan.

EGYPTIAN LOCALITIES: Common in all Egyptian zones except Gebel Elba.

DATES OF COLLECTION: April to August.

**Remark*: Lambkin *et al.* (2003) proposed the transfer of this species to genus *Defilippia* Lioy 1864.

Exoprosopa nigrifera Walker, 1871

Exoprosopa nigrifera Walker, 1871a: 261. Type locality: Egypt.

DISTRIBUTION: PA: Egypt.

EGYPTIAN LOCALITIES: Sinai: St. Catherine.

DATES OF COLLECTION: May to July.

Exoprosopa pharaonis Paramonov, 1928

Exoprosopa pharaonis Paramonov, 1928: 260(82). Type locality: Egypt [3S (destroyed) in ESCE].

DISTRIBUTION: AF: Egypt [as "Gebel Elba"], Mali, Sudan. PA: Egypt, Oman, Saudi Arabia, Tunisia.

EGYPTIAN LOCALITIES: Eastern Desert: Ismailia, Wadi Digla; Gebel Elba: Wadi Akwametri, Wadi Edeib.

DATES OF COLLECTION: March to August.

***Exoprosopa zanoni* Bezzi, 1922**

Exoprosopa zanoni Bezzi, 1922b: 143. Type locality: Libya.

DISTRIBUTION: PA: Egypt, Libya.

EGYPTIAN LOCALITIES: Coastal Strip: Abu Mina.

DATES OF COLLECTION: March.

Genus **HETERALONIA** Rondani

Mima Meigen, 1820: 175. Type species: *Anthrax phaeoptera*

Wiedemann, 1820, by sub sequent designation (Coquillett, 1910: 570).

Heteralonia Rondani, 1863: 57 [1864: 57]. Type species: *Exoprosopa oculata* Macquart, 1840 (as "*occulta*"), by monotypy.

Subgenus **ACRODISCA** Bezzi

Acrodisca Bezzi, 1921a: 138, 139 (as subgenus of *Exoprosopa* Macquart). Type species: *Exoprosopa angulata* Loew, 1860, by subsequent designation (Bezzi, 1924a: 234).

Heteralonia (Acrodisca) serpentata (Loew, 1854)

Exoprosopa serpentata Loew, 1854: 4. Type locality: Egypt or Sudan [as "Nubien"].

DISTRIBUTION: AF: Egypt [as "Gebel Elba"], Eritrea, Ethiopia, Sudan.

PA: Egypt.

EGYPTIAN LOCALITIES: Very common in Egypt.

DATES OF COLLECTION: January to August.

Subgenus **HOMOLONIA** Bowden

Homolonia Bowden, 1975: 319. Type species: *Anthrax megerlei*

Meigen, 1820, by original designation.

Heteralonia (Homolonia) aegina (Wiedemann, 1828)

Anthrax aegina Wiedemann, 1828: 563. Type locality: Egypt & Sudan [as "Nubien"].

Anthrax ferruginea Klug 1832: pl. 30, fig 4 Type locality: Egypt & Sudan.

Exoprosopa bovei Macquart, 1840: 41. Type locality: Egypt
 DISTRIBUTION: AF: Djibouti, Egypt [as "Gebel Elba"], Sudan. PA: Armenia, Azerbaijan, Egypt, Gruzia, Israel, Kyrgyz Republic, Saudi Arabia, Syria, Tajikistan, Turkmenistan, Uzbekistan, Yemen.
 EGYPTIAN LOCALITIES: Common in all desert regions.
 DATES OF COLLECTION: March to September.

***Heteralonia (Homolonia) megerlei* (Meigen, 1820)**

Anthrax vespertilio Hoffmanssegg in Wiedemann, 1818: 11. *Nomen nudum*.

Nemotelus nycteus Pallas in Wiedemann, 1818: 11. Unavailable; name proposed in synonymy and not made available before 1961.

Anthrax megerlei Meigen, 1820: 174 Type locality: Austria.

Anthrax vespertilio Wiedemann in Meigen, 1820: 178. Type locality: probably Russia [as "südlichen Taurien"].

Exoprosopa consanguinea Macquart, 1840: 44 [1841: 322]. Type locality: Gambia or Senegal.

Anthrax egyptiaca Macquart, 1840: 71 [1841: 349]. Type locality: Egypt.

Anthrax campicola Eversmann, 1855: 203. Type locality: Kazakhstan.

Exoprosopa mayeti Bigot, 1888: 9. Type locality: Tunisia.

Anthrax aegyptiacus Bezzi in Becker, Bezzi, Bischof, Kertész & Stein, 1903: 174. Unjustified emendation of *Anthrax egyptiaca* Macquart, 1840.

Exoprosopa compar Bezzi, 1924a: 255 Type locality: Nigeria

Exoprosopa deserticola Paramonov, 1928: 224(46). Type locality: Israel.

Exoprosopa megerlei ssp. *turanica* Paramonov, 1928: 244(66). Type locality: Iran & Turkistan [Probably "between Iraq and Turkey"].

Exoprosopa conspicienda Austen, 1937: 169. Type locality: Israel & Palestine (Gaza Strip).

DISTRIBUTION: AF: Chad, Egypt [as "Gebel Elba"], Gambia, Ghana, Mauritania, Niger, Nigeria, Senegal, Sudan, Yemen. OR: Pakistan. PA: Albania, Armenia, Austria, Azerbaijan, Bulgaria, Croatia, Cyprus, Egypt, France, Greece (incl. Corfu, Zakynthos), Gruzia, Iran, Israel, Italy (incl. Sardinia, Sicily), Kazakhstan, Kyrgyz Republic, Libya, Macedonia, Malta, Moldova, Oman, Palestine (Gaza Strip), Romania, Russia, Saudi Arabia, Slovenia, Switzerland, Tajikistan, Tunisia, Turkey, Turkmenistan, Ukraine, United Arab Emirates, Uzbekistan, Yugoslavia.

EGYPTIAN LOCALITIES: Very common, almost everywhere in Egypt.
DATES OF COLLECTION: April to September.

Heteralonia (Homolonia) vesperugo (Costa, 1893)

Exoprosopa vesperugo Costa, 1893: 101. Type locality: Tunisia.

DISTRIBUTION: PA: Egypt, Libya, Tunisia.

EGYPTIAN LOCALITIES: Coastal Strip: Amriah, El Burg Mariout, Nuzha; Eastern Desert: Ismailia, Wadi Hoff.

DATES OF COLLECTION: March to October.

Subgenus **ISOTAMIA** Bezzi

Isotamia Bezzi, 1912: 606, 627 (as genus). Type species: *Isotamia daveyi* Bezzi, 1912, by original designation.

Francoisia Hesse, 1952: 1 (as genus). Type species: *Francoisia sulcifacies* Hesse, 1952 [= *Isotamia daveyi* Bezzi, 1912], by original designation.

Ogilviella Paramonov, 1954: 26 (as genus). Type species: *Ogilviella tridentate* Paramonov, 1954 [= *Isotamia daveyi* Bezzi, 1912], by monotypy.

Stenolonia Bowden, 1975: 319. Type species: *Exoprosopa loxospila* Hesse, 1956, by original designation.

Heteralonia (Isotamia) spiloneura Bezzi, 1926

Exoprosopa spiloneura Bezzi, 1926: 271. Type locality: Egypt (Assiout) [Hin CUE].

DISTRIBUTION: PA: Egypt.

EGYPTIAN LOCALITIES: Lower Nile Valley: Giza, Mazghouna; Fayoum: Fayoum Road; Upper Nile Valley: Assiout.

DATES OF COLLECTION: March to July.

Subgenus **MESOCLIS** Bezzi

Mesoclis Bezzi, 1921a: 139 (as subgenus of *Exoprosopa* Macquart). Type species: *Anthrax pygmalion* Fabricius, 1805, by monotypy.

Heteralonia (Mesoclis) pygmalion (Fabricius, 1805)

Anthrax pygmalion Fabricius, 1805: 124. Type locality: Algeria [as

"Algeriae"].

Exoprosopa varinevris Macquart, 1840: 41. Type locality: Algeria or Morocco [as "D.'Alger"].

Exoprosopa zona Bigot, 1860: viii. *Nomen nudum*.

Exoprosopa zona Bigot, 1861: 773. Type locality: Italy (Sicily).

Exoprosopa delineata Becker, 1906c: 150. Type locality: Tunisia.

DISTRIBUTION: AF: Egypt [as "Gebel Elba"]. PA: Algeria, France (Corsica), Italy (incl. Sicily), Libya, Morocco, Tunisia.

EGYPTIAN LOCALITIES: Gebel Elba.

DATES OF COLLECTION: March and April.

Subgenus ZYGODIPLA Bezzi

Zygodipla Bezzi, 1924a: 244 (as subgenus of *Exoprosopa* Macquart).

Type species: *Anthrax algira* Fabricius, 1794, by original designation.

Corycetta Hull, 1973: 413 (as subgenus of *Exoprosopa* Macquart). Type species: *Exoprosopa subfasciata* Engel, 1936, by original designation.

Heteralonia (Zygodipla) algira (Fabricius, 1794)

Anthrax algira Fabricius, 1794: 258. Type locality: Algeria or Tunisia [as "Barbaria"].

Anthrax sicula Macquart, 1834: 401. Type locality: Italy (Sicily).

Exoprosopa archimedeae Bigot, 1860: viii. *Nomen nudum*.

Exoprosopa archimedeae Bigot, 1861: 774. Type locality: Italy (Sicily).

DISTRIBUTION: PA: Afghanistan, Algeria, Egypt, France, Greece, Iran, Italy (incl. Sicily), Morocco, Spain, Tajikistan, Tunisia, Turkey, Turkmenistan, Uzbekistan, Yugoslavia.

EGYPTIAN LOCALITIES: Coastal Strip: Matrouh; Fayoum.

DATES OF COLLECTION: May.

Heteralonia (Zygodipla) bagdadensis (Macquart, 1940).

Anthrax bagdadensis Macquart, 1840: 43 [1841: 321]. Type locality: Iraq.

Exoprosopa subfasciata Loew, 1871: 158. *Nomen nudum*.

Exoprosopa clausa Becker & Stein, 1912: 604. *Nomen nudum*.

Exoprosopa clausa Becker in Becker & Stein, 1913: 560. Type locality: Iran.

DISTRIBUTION: PA: Armenia, Azerbaijan, Egypt, Iran, Iraq, Israel, Mongolia, Oman, Palestine (West Bank), Saudi Arabia, United Arab Emirates.

EGYPTIAN LOCALITIES: Lower Nile Valley: Kafr Hakim; Eastern Desert: Ismailia, Wadi Shakra; Western Desert: Gebel Oweinat.

DATES OF COLLECTION: March to May.

Heteralonia (Zygodiola) bezzii (Paramonov, 1928)

Exoprosopa bezzii Paramonov, 1928: 213(35). Type locality: Egypt [2S (destroyed) in ESCE].

DISTRIBUTION: PA: Egypt, Israel.

EGYPTIAN LOCALITIES: Eastern Desert: Wadi Digla, Wadi Um Elik, Wadi Um Girfan.

DATES OF COLLECTION: April to August.

Heteralonia (Zygodiola) mucorea (Klug, 1832)

Anthrax mucorea Klug, 1832: pl. 30, fig. 6. Type locality: Saudi Arabia [as "Arabia deserta"].

DISTRIBUTION: AF: Egypt [as "Gebel Elba"]. PA: Afghanistan, Algeria, Egypt, Iran, Kuwait, Kyrgyz Republic, Oman, Saudi Arabia, Syria, Tajikistan, Tunisia, Turkmenistan, United Arab Emirates, Uzbekistan.

EGYPTIAN LOCALITIES: Very common, almost everywhere in Egypt.

DATES OF COLLECTION: April to October.

Heteralonia (Zygodiola) olivierii (Macquart, 1840)

Exoprosopa olivierii Macquart, 1840: 42 [1841: 320]. Type locality: Arabia [as "Arabie"].

DISTRIBUTION: AF: Egypt [as "Gebel Elba"], Yemen. PA: Egypt, Israel, Palestine (West Bank), Saudi Arabia, United Arab Emirates.

EGYPTIAN LOCALITIES: Coastal Strip: Abu Kir; Lower Nile Valley: Kirdassa, Ezbet Nahkl, Pyramids; Gebel Elba.

DATES OF COLLECTION: March to June.

Heteralonia (Zygodiola) rivulosa (Becker, 1902)

Exoprosopa rivulosa Becker, 1902: 26. Type locality: Egypt.

DISTRIBUTION: AF: Egypt [as "Gebel Elba"]. PA: Egypt, Iran, Israel, Turkey.

EGYPTIAN LOCALITIES: Very common, almost everywhere in Egypt.

DATES OF COLLECTION: March to May.

Genus **LIGYRA** Newman

- Ligyra** Newman, 1841: 220. Type species: *Anthrax bombylifformis* Macleay, 1826, by monotypy.
Velocia Coquillett, 1886: 158. Type species: *Anthrax cerberus* Fabricius, 1794, by original designation. Preoccupied by Robineau Desvoidy, 1863.
Paranthrax Paramonov, 1931: 57(57). Type species: *Paranthrax africanus* Paramonov, 1931 [= *Hyperalonia niveifrons* Bezzi, 1914], by monotypy. Preoccupied by *Paranthrax* Bigot, 1876.
Paranthracina Paramonov, 1933b: 56. New replacement name for *Paranthrax* Paramonov, 1931. Type species: *Paranthrax africanus* Paramonov, 1931 [= *Hyperalonia niveifrons* Bezzi, 1914], automatic.

Ligyra helena (Loew, 1854)

- Exoprosopa helena* Loew, 1854: 3. Type locality: Egypt or Sudan [as "Nubien"].
Exoprosopa gloriosa Walker, 1871a: 260. Type locality: Ethiopia.
DISTRIBUTION: AF: Chad, Eritrea, Kenya, Sudan. PA: ?Egypt.
EGYPTIAN LOCALITIES: Unknown.
DATES OF COLLECTION: Unknown.

Genus **MICOMITRA** Bowden

- Micomitra** Bowden, 1964: 147. Type species: *Exoprosopa parvicellula* Bezzi, 1921, by original designation.

Micomitra pharao (Paramonov, 1928)

- Exoprosopa pharao* Paramonov, 1928: 260(82). Type locality: Egypt.
DISTRIBUTION: PA: Egypt.
EGYPTIAN LOCALITIES: Eastern Desert: Ismailia.
DATES OF COLLECTION: August.

Micomitra stupida (Rossi, 1790)

- Bibio stupida* Rossi, 1790: 277. Type locality: Italy.
Anthrax rhadamanthus Meigen, 1804: 208. Type locality: France.
Anthrax chalcoides Pallas & Wiedemann in Wiedemann, 1818: 17. Type locality: Russia [as "in australioribus deserti Caspii"].

Anthrax vitriecosta Walker, 1849: 251. Type locality: Palaearctic [locality not given].

Anthrax vitreicosta Walker, 1849: 1154. Unjustified emendation of *Anthrax vitriecosta* Walker, 1849: 251.

Anthrax squamea Mulsant, 1852: 21. Type locality: France.

DISTRIBUTION: AF: Egypt [as "Gebel Elba"]. PA: Armenia, Austria, Azerbaijan, Egypt, Finland, France, Germany, Greece (incl. Naxos), Gruzia, Hungary, Iran, Israel, Italy (incl. Sardinia, Sicily), Kazakhstan, Kyrgyz Republic, Libya, Poland, Portugal, Romania, Russia, Spain, Sweden, Switzerland, Tajikistan, Turkey, Turkmenistan, Uzbekistan.

EGYPTIAN LOCALITIES: Lower Nile Valley: Around Cairo, Barrage, Helwan; Eastern Desert: Ismailia; Fayoum; Sinai: South Sinai; Gebel Elba.

DATES OF COLLECTION: March to September.

Genus **PTEROBATES** Bezzi

Pterobates Bezzi, 1921a: 130 (as subgenus of *Exoprosopa* Macquart).
Type species: *Anthrax apicalis* Wiedemann, 1821, by monotypy.

Pterobates chalybaeus (Röder, 1887)

Exoprosopa chalybaea Röder, 1887: 75. Type locality: Lebanon.

DISTRIBUTION: PA: Egypt, Israel, Lebanon, Saudi Arabia, Syria.

EGYPTIAN LOCALITIES: Sinai: Wadi Isla.

DATES OF COLLECTION: July.

Pterobates chrysogaster (Bezzi, 1926)

Exoprosopa chrysogaster Bezzi, 1926: 269. Type locality: Egypt [H (destroyed) in ESCE].

DISTRIBUTION: PA: Egypt.

EGYPTIAN LOCALITIES: Eastern Desert: Wadi Digla, Wadi Garrariyat.

DATES OF COLLECTION: June to August.

Tribe **PROROSTOMATINI** Hull

Genus **STOMYLOMYIA** Bigot

Stomylomyia Bigot, 1887: xxxi. Type species: *Stomylomyia leonine* Bigot, 1887 [= *Tomomyza europaea* Loew, 1869], by monotypy.

***Stomylomyia aegyptiaca* Bezzi, 1925**

Stomylomyia europaea var. *aegyptiaca* Bezzi, 1925: 201. Type locality: Egypt (Mariout) [1S (destroyed) in ESCE].

DISTRIBUTION: PA: Egypt.

EGYPTIAN LOCALITIES: Lower Nile Valley: Abu Rawash, Kafr Hakim, Kirdassa, Mansouriah; Fayoum.

DATES OF COLLECTION: May to July.

***Stomylomyia europaea* Loew, 1869**

Tomomyza europaea Loew, 1869b: 228. Type locality: Greece (Rhodes) & Greece, Syria, or Turkey [as "Kleinasiens"].

Stomylomyia leonina Bigot, 1887: xxxi. Type locality: Turkey [as "Asia minor"].

DISTRIBUTION: PA: Afghanistan, Albania, Armenia, Azerbaijan, Egypt, France, Greece (incl. Corfu, Rhodes), Gruzia, Hungary, Iran, Israel, Italy, Macedonia, Moldova, Romania, Russia, Turkey, Ukraine, Yugoslavia.

EGYPTIAN LOCALITIES: Coastal Strip: Along all the coast; Lower Nile Valley: Abu Rawash, Kafr Hakim; Eastern Desert: Wadi Garawi, Wadi Morrah.

DATES OF COLLECTION: March to May.

***Stomylomyia nigrirostris* Bezzi, 1925**

Stomylomyia europaea var. *nigrirostris* Bezzi, 1925: 202. Type locality: Egypt (Wadi Hoff, Mariout) [3S in ESEC].

DISTRIBUTION: PA: Egypt, Israel.

EGYPTIAN LOCALITIES: Coastal Strip: Mariout; Lower Nile Valley: Abu Rawash, Kafr Hakim, Kirdassa, Mansouriah; Eastern Desert: Wadi Hoff; Western Desert: Dahshour; Fayoum.

DATES OF COLLECTION: May to July.

***Stomylomyia pusilla* Bezzi, 1925**

Stomylomyia pusilla Bezzi, 1925: 202. Type locality: Egypt (Dahshour, Giza Pyramids, Mazghouna) [2S (1 destroyed) in ESEC].

DISTRIBUTION: PA: Armenia, Azerbaijan, Egypt, Gruzia.

EGYPTIAN LOCALITIES: Lower Nile Valley: Abu Rawash, Giza Pyramids, Kafr Hakim, Kirdassa, Mansouriah, Mazghouna; Western Desert: Dahshour; Fayoum.

DATES OF COLLECTION: May to July.

Tribe VILLINI Hull

Genus CAECANTHRAX Greathead

Caecanthrax Greathead, 1980: 322. Type species: *Anthrax inaurata* Klug, 1832, by subsequent designation (Evenhuis, 1991: 24).
Unavailable genus group name proposed after 1930 without type species designation.

Caecanthrax Greathead, 1981: 324. Type species: *Anthrax inaurata* Klug, 1832, by original designation.

Caecanthrax arabicus Macquart, 1840

Anthrax arabica Macquart, 1840: 63. Type locality: Probably Saudi Arabia [as “d’Arabie”].

Anthrax punctum Loew, 1854: 2. Type locality: Italy. Preoccupied by Walker, 1849.

Pachyanthrax dimidiatus Greathead, 1988: 106. Type locality: Saudi Arabia.

DISTRIBUTION: OR: Pakistan. PA: Afghanistan, Armenia, Azerbaijan, France, Greece (incl. Rhodes), Gruzia, Iran, Italy, Jordan, Kyrgyz Republic, Saudi Arabia, Tajikistan, Turkey, Turkmenistan, United Arab Emirates, Uzbekistan, Yugoslavia.

EGYPTIAN LOCALITIES: Sinai: Ein Gedeirat, Wadi El Rabba.

DATES OF COLLECTION: April to June.

Genus EXHYALANTHRAX Becker

Exhyalanthrax Becker, 1916: 44 (as subgenus of *Villa* Lioy). Type species: *Anthrax vagans* Loew, 1862 [= *Anthrax muscaria* Pallas, 1818], by subsequent designation (Bezzi, 1924a: 7, 192).

Tauropsis Hull, 1973: 365, 368 (as subgenus of *Thyridanthrax* Osten Sacken). Type species: *Anthrax irrorella* Klug, 1832, by original designation.

Oriellus Hull, 1973: 403 (as subgenus of *Thyridanthrax* Osten Sacken). Type species: *Anthrax stigmula* Klug, 1832, by original designation.

Exhyalanthrax afer (Fabricius, 1794)

Anthrax afer Fabricius, 1794: 258. Type locality: Germany [as “Kiliae”].

Anthrax fimbriata Meigen, 1804: 205. Type locality: Italy.

Anthrax sirius Hoffmannsegg in Wiedemann, 1818: 12. [Unavailable; name proposed in synonymy with *Anthrax afer* Fabricius and not made available before 1961, see Evenhuis & Greathead (1999)].

Anthrax hemipterus Pallas in Wiedemann, 1818: 12. [Unavailable; name proposed in synonymy with *Anthrax afer* Fabricius and not made available before 1961, see Evenhuis & Greathead (1999)].

Anthrax marginalis Wiedemann in Meigen, 1820: 149. Type locality: Portugal.

Anthrax sirius Meigen, 1820: 154. [Unavailable; name proposed in synonymy with *Anthrax fimbriata* Meigen and not made available before 1961, see Evenhuis & Greathead (1999)].

Anthrax tangerinus Bigot, 1892: 353. Type locality: Morocco.

Thyridanthrax burtti Hesse, 1956b: 619. Type locality: Kenya.

Thyridanthrax aequisexus Bowden, 1964: 112. Type locality: Ghana.

Thyridanthrax decipiens Bowden, 1964: 114. Type locality: Ghana [as "Ashanti"].

DISTRIBUTION: AF: Chad, Egypt [as "Gebel Elba"], Eritrea, Ghana, Kenya, Yemen. OR: Pakistan. PA: Afghanistan, Armenia, Austria, Azerbaijan, Belgium, Bulgaria, China (Beijing, Nei Monggol, Sichuan, Xinjiang, Xizang), Croatia, Cyprus, Czech Republic, Denmark, Egypt, France (incl. Corsica), Germany, Gibraltar, Greece (incl. Lesbos), Gruzia, Hungary, Iran, Israel, Italy (incl. Sardinia, Sicily), Kazakhstan, Kyrgyz Republic, Libya, Macedonia, Malta, Mongolia, Morocco, Netherlands, Oman, Poland, Portugal, Romania, Russia, Saudi Arabia, Slovakia, Slovenia, Spain, Switzerland, Tajikistan, Turkey, Turkmenistan, Ukraine, United Arab Emirates, Uzbekistan, Yugoslavia.

EGYPTIAN LOCALITIES: Coastal Strip: Alexandria, Burg El Arab, Mariout, Matrouh; Eastern Desert: Ismailia, Wadies south east of Cairo; Gebel Elba: Wadi Edeib.

DATES OF COLLECTION: January to October.

Exhyalanthrax autumnalis (Becker, 1916)

Villa autumnalis Becker, 1916: 47. Type locality: Turkey [as "Klein Asien"].

DISTRIBUTION: PA: Egypt, Iran, Turkey.

EGYPTIAN LOCALITIES: Eastern Desert: Wadi Hoff.

DATES OF COLLECTION: April.

Exhyalanthrax irrorellus (Klug, 1832)

Anthrax irrorella Klug, 1832: pl. 30, fig. 16. Type locality: Syria.

Anthrax inconspicua Loew, 1856: 29. Type locality: Egypt.

DISTRIBUTION: PA: Egypt, Lebanon, Libya, Syria.

EGYPTIAN LOCALITIES: Coastal Strip: Burg Mariout; Lower Nile

Valley: Abu Rawash, Ezbet Nakhl, Kafr Hakim, Kirdassa,

Mazghouna; Eastern Desert: Ismailia, Serapium, Suez Road, Wadies south east of Cairo; Western Desert: Kharga.

DATES OF COLLECTION: March to June.

Exhyalanthrax leucotaeniatus (Engel, 1936)

Thyridanthrax leucotaeniatus Engel, 1936: 539. Type locality: Egypt (Gebel Elba) [1S in CUE; 1S (destroyed) in ESCE].

DISTRIBUTION: AF: Egypt [as "Gebel Elba"], Sudan. PA: Egypt.

EGYPTIAN LOCALITIES: Eastern desert: Wadi Garrariyat; Sinai: Wadi Garagneyia; Gebel Elba.

DATES OF COLLECTION: January to June.

Exhyalanthrax muscarius (Pallas in Wiedemann, 1818)

Anthrax muscaria Pallas in Wiedemann, 1818: 13. Type locality: Russia [as "Australibus Rossiae"].

Anthrax vagans Loew, 1862a: 81. Type locality: Italy (Sicily), Greece & Turkey [as "Kleinasien"].

Anthrax squamifera Jaenicke, 1867: 67. Type locality: France or Spain [as "Europe mer."].

Anthrax marginalis Bezzi in Becker, Bezzi, Bischof, Kertész, & Stein, 1903: 180. *Nomen nudum*.

Anthrax marginalis Loew in Kertész, 1909: 57. *Nomen nudum*.

Hemipenthes vagans var. *beckeri* Paramonov, 1927: 164. Type locality: Not given [probably = Armenia].

Thyridanthrax innocens Austen, 1936: 195. Type locality: Cyprus.

Thyridanthrax vagans var. *unistriata* Engel, 1936: 555. Type locality: Egypt (Eastern Desert) [H (destroyed) in ESEC].

Thyridanthrax amoenus Austen, 1937: 155. Type locality: Palestine (Gaza Strip).

DISTRIBUTION: OR: Pakistan. PA: Afghanistan, Armenia, Austria, Azerbaijan, Croatia, Cyprus, Egypt, France (incl. Corsica), Germany, Gibraltar, Greece (incl. Corfu, Lesbos, Rhodes), Gruzia, Hungary, Iran, Israel, Italy (incl. Sardinia, Sicily), Kyrgyz Republic, Macedonia, Moldova, Palestine (Gaza Strip), Poland, Portugal, Romania, Russia, Slovenia, Spain, Switzerland, SYRIA, Tajikistan, Tunisia, Turkey, Turkmenistan, Ukraine, Uzbekistan, Yugoslavia.

EGYPTIAN LOCALITIES: Eastern Desert: Wadi Seyalel Badia, Wadi Rishrash, Wadi Um Girfan.

DATES OF COLLECTION: April to June.

Exhyalanthrax stigmulus (Klug, 1832)

Anthrax stigmula Klug, 1832, pl. 30, fig. 13. Type locality: Egypt.

DISTRIBUTION: PA: Armenia, Azerbaijan, Egypt, Gruzia, Iran.

EGYPTIAN LOCALITIES: Coastal Strip: Abu Kir, Ikingi Mariout; Eastern Desert: Suez Road.

DATES OF COLLECTION: April to July.

Exhyalanthrax unicolor (Becker, 1902)

Anthrax unicolor Becker, 1902: 24. Type locality: Egypt.

DISTRIBUTION: PA: Egypt, Israel, Syria.

EGYPTIAN LOCALITIES: Eastern Desert: Wadi Dar El Maskhara.

DATES OF COLLECTION: April.

Genus **HEMIPENTHES** Loew

Hemipenthes Loew, 1869c: 28. Type species: *Musca morio* Linnaeus, 1758, by subsequent designation (Coquillett, 1894: 90).

Isopenthes Osten Sacken, 1886a: 80, 96. Type species: *Isopenthes jaennickeana* Osten Sacken, 1886, by subsequent designation (Coquillett, 1910: 556).

Hemipenthis pauper (Becker, 1916)

Villa pauper Becker, 1916: 49. Type locality: Algeria.

Thyridanthrax triradiatus Bezzi in Rigato, 1995: 222. *Nomen nudum*.

DISTRIBUTION: PA: Algeria, Egypt.

EGYPTIAN LOCALITIES: Coastal Strip: Matrouh; Eastern Desert: Suez Road, Wadi Ibtadi, Wadi Um Girfan; Western Desert: Cairo Alexandria Road.

DATES OF COLLECTION: April to August.

Genus **LAMINANTHRAX** Greathead

Laminanthrax Greathead, 1967: 251. Type species: *Laminanthrax albus* Greathead, 1967 [= *Thyridanthrax chionophorus* Bezzi, 1925], by original designation.

***Laminanthrax chionophorus* (Bezzi, 1925)**

Thyridanthrax chionophorus Bezzi, 1925: 231. Type locality: Egypt (Kirdassa & Wadi Hoff) [6S in CUE; 2S (destroyed) in ESCE].

Laminanthrax albus Greathead, 1967: 252. Type locality: Yemen.

DISTRIBUTION: AF: Egypt [as "Gebel Elba"], Eritrea, Ethiopia, Yemen.
PA: Egypt.

EGYPTIAN LOCALITIES: Lower Nile Valley: Abu Rawash, Borgash, El Mansouriah, Kafr El Dems, Kafr Hakim, Kirdassa; Eastern Desert: Geneifa, Ismailia, Suez Road, Wadi Degla, Wadi Hoff; Gebel Elba.

DATES OF COLLECTION: May to August.

Genus **OESTRANTHRAX** Bezzi

Oestranthrax Bezzi, 1921a: 130, 172. Type species: *Anthrax obesa* Loew, 1863, by original designation.

***Oestranthrax alfierii* Paramonov, 1931**

Oestranthrax obesus ssp. *alfierii* Paramonov, 1931: 101(101). Type locality: Egypt (Wadi Murrah) [H in CUE].

DISTRIBUTION: PA: Egypt.

EGYPTIAN LOCALITIES: Coastal Strip: Abu Sir; Eastern Desert: Ismailia, Suez Road, Wadi Morrah; Sinai: El Arish Road.

DATES OF COLLECTION: March to September.

***Oestranthrax brunnescens* (Loew, 1857)**

Anthrax brunnescens Loew, 1857b: 81. Type locality: Lebanon or Syria [as "Syrien"].

DISTRIBUTION: PA: Egypt, Israel, Kyrgyz Republic, Syria, Tajikistan, Turkmenistan, Uzbekistan.

EGYPTIAN LOCALITIES: Coastal Strip: Matrouh.

DATES OF COLLECTION: May.

Genus **PACHYANTHRAX** François

Pachyanthrax François, 1964: 929. Type species: *Pachyanthrax villiersi* François, 1964, by original designation.

***Pachyanthrax albosegmentatus* (Engel, 1936)**

Thyridanthrax albosegmentatus Engel, 1936: 528. Type locality: Egypt

(Wadi Um Girfan) [H (destroyed) in ESEC].

DISTRIBUTION: PA: Egypt, Saudi Arabia.

EGYPTIAN LOCALITIES: Eastern Desert: Wadi Um Girfan; Sinai: Wadi El Arbaein.

DATES OF COLLECTION: April to August.

Pachyanthrax circe (Klug 1832)

Anthrax circe Klug 1832: pl. 30, fig. 12. Type locality: Egypt.

DISTRIBUTION: OR: Pakistan. PA: Egypt, Saudi Arabia, United Arab Emirates.

EGYPTIAN LOCALITIES: Coastal Strip: Borg El Arab, Mariout; Eastern Desert: Wadi Gharaba, Wadi Hoff; Sinai: Wadi Garagneyia.

DATES OF COLLECTION: April to August.

Genus **THYRIDANTHRAX** Osten Sacken

Thyridanthrax Osten Sacken, 1886b: 113 (as subgenus of *Anthrax* Scopoli). Type species: *Anthrax selene* Osten Sacken, 1886, by subsequent designation (Coquillett, 1910: 615).

Thyridanthrax elegans elegans (Wiedemann in Meigen, 1820)

Anthrax elegans Hoffmannsegg in Wiedemann, 1818: 17. *Nomen nudum*.

Nemotelus inquinatus Pallas in Wiedemann, 1818: 17. Unavailable name; name proposed in synonymy and not made available before 1961.

Anthrax elegans Wiedemann in Meigen, 1820: 155. Type locality: Portugal & Russia [as "Südrussland"].

Anthrax varinevris Macquart, 1846: 351 (223), pl. 9, fig. 14. Type locality: Palaearctic [locality not given].

Anthrax variegatus Jaennicke, 1867: 69. Type locality: Italy (Sicily). Preoccupied by Pallas, 1818.

Thyridanthrax dolgovskayae Zaitzev, 1999: 898. Type locality: Israel.

DISTRIBUTION: PA: Armenia, Austria, Azerbaijan, Bosnia Herzegovina, Bulgaria, Croatia, Cyprus, Egypt, France (incl. Corsica), Greece (incl. Corfu, Lesbos), Gruzia, Iran, Israel, Italy (incl. Sicily), Kazakhstan, Kyrgyz Republic, Lebanon, Libya, Malta, Moldova, Mongolia, Morocco, Poland, Portugal, Russia, Spain (incl. Ibiza, Mallorca), Syria, Tajikistan, Turkey, Turkmenistan, Ukraine, Uzbekistan, Yugoslavia.

EGYPTIAN LOCALITIES: Coastal Strip: Alexandria (Ramleh), Mariout; Lower Nile Valley: Mansouriah; Eastern Desert: Geneifa, Ismailia, Kassassein, Suez Road, Wadies south east of Cairo.
DATES OF COLLECTION: April to September.

Thyridanthrax fenestratus (Fallen, 1814)

Anthrax fenestrata Fallén, 1814: 8. Type locality: Sweden.

Anthrax variegata Pallas in Wiedemann, 1818: 12. Type locality: Russia or Kazakhstan.

Anthrax ornatus Hoffmanssegg in Wiedemann, 1818: 13. Unavailable name; name proposed in synonymy and not made available before 1961.

Anthrax ornatus Curtis, 1824: 9. Type locality: England.

Anthrax nigrita var. *italica* Walker, 1849: 255. Unavailable name; name proposed in synonymy and not made available before 1961.

Hemipenthes fenestratus var. *montana* Paramonov, 1927: 175. Type locality: Armenia.

DISTRIBUTION: AF: Egypt [as "Gebel Elba"]. PA: Albania, Algeria, Armenia, Austria, Azerbaijan, Belarus, Belgium, Bosnia Herzegovina, Bulgaria, China (Beijing Nei Monggol), Croatia, Czech Republic, Denmark, Egypt, Estonia, Finland, France, Germany, Greece, Gruzia, Hungary, Iran, Italy (incl. Sicily), Kazakhstan, Kyrgyz Republic, Latvia, Libya, Lithuania, Luxemburg, Macedonia, Moldova, Mongolia, Morocco, Netherlands, Norway, Poland, Portugal, Romania, Russia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Tajikistan, Turkey, Turkmenistan, Ukraine, UK (Great Britain), Uzbekistan, Yugoslavia.

EGYPTIAN LOCALITIES: Coastal Strip: Alexandria, El Borg, Ikingi Mariout, Salloum; Eastern Desert: Geneifa, Suez Road, Wadies south east of Cairo; Fayoum; Sinai: Wadi El Arbaein, Wadi El Lega, Wadi El Rabba, Wadi Firan, Wadi Garagneyia; Gebel Elba: Mersa Halayeb, Wadi Edeib.

DATES OF COLLECTION: January to October.

Thyridanthrax griseolus (Klug, 1832)

Anthrax griseolus Klug, 1832: pl. 30, fig. 11. Type locality: Lebanon or Syria.

DISTRIBUTION: PA: Egypt, Iran, Lebanon, ?Libya, Saudi Arabia, Syria, Tunisia.

EGYPTIAN LOCALITIES: Coastal Strip: Abu Kir, Alexandria, Nuzha, Ramleh; Lower Nile Valley: Borgash, El Marg, Kafr Hakim, Katta,

Mansouriah; Eastern Desert: Geneifa, Ismailia, Serapium, Wadi Morrah; Western Desert: Dahshour.
DATES OF COLLECTION: April to October.

Thyridanthrax incanus (Klug 1832)

Anthrax incana Klug, 1832: pl. 30, fig. 5. Type locality: Lebanon or Syria.
Anthrax testacea Macquart, 1840: 61 [1841: 339]. Type locality: Egypt and probably Saudi Arabia [as "Arabie"].

Anthrax varipennis Macquart in Lucas, 1849: 457. Type locality: Algeria.

DISTRIBUTION: OR: Pakistan. PA: Afghanistan, Algeria, Armenia, Azerbaijan, Cyprus, Egypt, France, Greece, Gruzia, Iran, Israel, Italy (incl. Sicily), Lebanon, Libya, Macedonia, Morocco, Saudi Arabia, Syria, Tunisia, Turkey, Turkmenistan, Yugoslavia.

EGYPTIAN LOCALITIES: Coastal Strip: Alexandria, Borg El Arab, Hammam, Matrouh, Nuzha; Eastern Desert: Ismailia, Zagazig, Wadi Hoff; Sinai: Gebel Moussa, Wadi El Arbaein, Wadi El Lega, Wadi El Rabba, Wadi Firan, Wadi Garagneyia.

DATES OF COLLECTION: April to September.

Thyridanthrax lotus (Loew, 1869)

Anthrax lotus Loew, 1869b: 164. Type locality: Greece (Rhodes) & Greece, Syria, or Turkey [as "Küste Kleinasiens"].

Villa confusa Becker, 1916: 47. Type locality: Greece & Syria, or Turkey [as "Klein Asien"] & "Turkistan".

DISTRIBUTION: PA: Afghanistan, Armenia, Azerbaijan, Cyprus, Egypt, Greece (incl. Rhodes), Gruzia, Iran, Italy, Kazakhstan, Kyrgyz Republic, Spain, Tajikistan, Turkey, Turkmenistan, Uzbekistan.

EGYPTIAN LOCALITIES: Lower Nile Valley: Tisfa; Eastern Desert: Geneifa, Heliopolis, Suez Road, Wadies south east of Cairo.

DATES OF COLLECTION: February to June.

Thyridanthrax obliteratedus (Loew, 1862)

Anthrax obliteratedus Loew, 1862a: 80. Type locality: Greece.

DISTRIBUTION: PA: Armenia, Azerbaijan, Egypt, Greece, Gruzia, Iran, Italy, Kyrgyz Republic, Libya, Mongolia, Tajikistan, Turkmenistan, Uzbekistan, Yugoslavia.

EGYPTIAN LOCALITIES: Coastal Strip: Alexandria, Mariout; Eastern Desert: Wadi Morrah.

DATES OF COLLECTION: April to August.

Thyridanthrax perspicillaris perspicillaris (Loew, 1869)

Anthrax gallus Loew, 1869b: 155. Type locality: France (Bordeaux).

Anthrax perspicillaris Loew, 1869b: 157. Type locality: Italy & Greece & probably Kazakhstan [as “Südrussland”] & Syria or Turkey [as “Klein Asien”].

Thyridanthrax ternarius Bezzi, 1920: 108. Type locality: Ethiopia [as “Scioa”].

Thyridanthrax ternarius Bezzi, 1921a: 136. Type locality: South Africa (Northern Cape & Mpumalanga). Preoccupied by Bezzi, 1920.

Anthrax pyrroproctus Bigot in Bezzi, 1921a: 137. *Nomen nudum*.

Thyridanthrax ternarius Bezzi, 1924a: 210. Type locality: Gambia. Preoccupied by Bezzi, 1920.

DISTRIBUTION: AF: Eritrea, Ethiopia, Gambia, Ghana, Mali, Mauritania, South Africa (Eastern Cape, Mpumalanga, Northern Cape, Western Cape), Sudan. OR: Pakistan. PA: Afghanistan, Albania, Armenia, Austria, Azerbaijan, Bulgaria, Croatia, Cyprus, Egypt, France, Germany, Greece (incl. Rhodes), Gruzia, Iran, Iraq, Israel, Italy (incl. Sicily), Kazakhstan, Kyrgyz Republic, Libya, Morocco, Mongolia, Palestine (West Bank), Romania, Russia, Saudi Arabia, Spain, Tajikistan, Turkey, Turkmenistan, United Arab Emirates, Uzbekistan, Yugoslavia.

EGYPTIAN LOCALITIES: Unknown.

DATES OF COLLECTION: Unknown.

Genus **VERIBUBO** Evenhuis

Tumulus Hull, 1973: 403, 404 (as subgenus of *Thyridanthrax* Osten Sacken). Type species: *Anthrax misellus* Loew, 1869, by original designation. Preoccupied by Monterosato, 1888.

Veribubo Evenhuis, 1978c: 247. New replacement name for *Tumulus* Hull, 1973. Type species: *Anthrax misellus* Loew, 1869, automatic.

Veribubo angusteoculatus (Becker, 1902)

Anthrax angusteoculata Becker, 1902: 25 (as “*anguste-oculata*”). Type locality: Egypt.

DISTRIBUTION: PA: Egypt, Greece, Italy, Oman, Saudi Arabia, United Arab Emirates.

EGYPTIAN LOCALITIES: Coastal Strip: Mariout.

DATES OF COLLECTION: September.

Veribubo anus (Wiedemann, 1828)

Anthrax anus Wiedemann, 1828: 564. Type locality: Egypt or Sudan [as

“Nubien”].

DISTRIBUTION: AF: Sudan. PA: Egypt, Libya, Tunisia, United Arab Emirates.

EGYPTIAN LOCALITIES: Eastern Desert: Suez Road; Western Desert: Fayoum Road, Siwa Oasis; Fayoum: Tameyia.

DATES OF COLLECTION: May to August.

Veribubo latonus (Wiedemann, 1828)

Anthrax latona Wiedemann, 1828: 567. Type locality: Egypt or Sudan [as “Nubien”].

DISTRIBUTION: AF: Sudan. PA: Egypt.

EGYPTIAN LOCALITIES: Lower Nile Valley: Abu Rawash, Borgash, Kafr Hakim, Mansouriah; Eastern Desert: Geneifa, Ismailia, Serapium, Suez Road, Wadi Digla.

DATES OF COLLECTION: May to September.

Veribubo misellus (Loew, 1869)

Anthrax misellus Loew, 1869b: 163. Type locality: Greece.

DISTRIBUTION: PA: Armenia, Azerbaijan, Egypt, Greece, Gruzia, Iran, Italy, Kyrgyz Republic, Libya, Tajikistan, Turkmenistan, Uzbekistan, Yugoslavia.

EGYPTIAN LOCALITIES: Coastal Strip: Alexandria, Mariout, Salloum; Eastern Desert: Wadi Um Elek.

DATES OF COLLECTION: May to September.

Veribubo semifuscus (Engel, 1936)

Thyridanthrax semifuscus Engel, 1936: 549. Type locality: Egypt (Wadi Ibtadi) [H in CUE].

DISTRIBUTION: AF: Egypt [as “Gebel Elba”]. PA: Saudi Arabia.

EGYPTIAN LOCALITIES: Gebel Elba: Wadi Ibtadi.

DATES OF COLLECTION: May to July.

Veribubo tabaninus (Bezzi, 1925)

Thyridanthrax tabaninus Bezzi, 1925: 232. Type locality: Egypt (Wadi Rishrash) [H (destroyed) in ESEC].

Thyridanthrax arabicola François, 1970: 195. Type locality: Saudi Arabia.

DISTRIBUTION: PA: Egypt, Saudi Arabia.

EGYPTIAN LOCALITIES: Eastern Desert: Wadies south east of Cairo; Sinai: Wadi Garagneyia.

DATES OF COLLECTION: March to August.

Genus *VILLA* Lioy

Villa Lioy, 1864: 732. Type species: *Anthrax concinna* Meigen, 1820 [= *Anthrax abbadon* Fabricius, 1794], by subsequent designation (Coquillett, 1910: 619).

Hyalanthrax Osten Sacken, 1886b: 112 (as subgenus of *Anthrax* Scopoli). Type species: *Anthrax faustina* Osten Sacken, 1887, by subsequent designation (Coquillett, 1910: 553).

Aspiloptera Künckel d'Herculais, 1905: 145. Type species: *Anthrax flava* Meigen, 1820 [= *Musca hottentotta* Linnaeus, 1758], by monotypy.

Protepacmus Cockerell, 1916: 94. Type species: *Protepacmus setosus* Cockerell, 1916, by monotypy.

Villa aegyptiaca Engel, 1937

Villa albida var. *aegyptiaca* Engel, 1937: 572 (key only). Type locality: Egypt (Wadi Gharaba) [L designated by El Hawagry & Greathead, (2006: 24) in CUE]. This species was overlooked by Steyskal & El Bialy (1967) and by Evenhuis & Greathead (1999).

DISTRIBUTION: PA: Egypt.

EGYPTIAN LOCALITIES: Eastern Desert: Wadi Gharaba.

DATES OF COLLECTION: April.

Villa bivirgata Austen, 1937

Villa bivirgata Austen, 1937: 137. Type locality: Israel.

DISTRIBUTION: AF: Yemen. PA: Egypt, Israel, Saudi Arabia, Syria.

EGYPTIAN LOCALITIES: Coastal Strip: Mallah, Mariout, Matrouh, Ramleh; Lower Nile Valley: Abu Rawash, Barrage, Borgash, El Marg, Ezbet El Nakhl, Faraskour, Gebel Asfar, Helwan, Kafr Hakim, Katta, Kirdassa, Mansouriah; Eastern Desert: Wadies south east of Cairo; Fayoum.

DATES OF COLLECTION: March to October.

Villa cana (Meigen, 1804)

Anthrax cana Meigen, 1804: 201. Type locality: France.

Anthrax 5-fasciata Pallas in Wiedemann, 1818: 14. *Nomen nudum*.

Anthrax quinquefasciata Wiedemann in Meigen, 1820: 150. Type locality: Russia [as "Südrussland"].

Anthrax blandus Loew, 1869b: 181. Type locality: Greece [as "Makri"].

Villa inquieta Becker, 1916: 35. Type locality: France (Corsica).

Villa mus Becker, 1916: 36. Type locality: Armenia.

DISTRIBUTION: PA: Afghanistan, Algeria, Armenia, Austria, Azerbaijan, Bulgaria, Croatia, Czech Republic, Egypt, France (incl. Corsica), Greece, Gruzia, Iran, Italy (incl. Sicily), Kazakhstan, Libya, Macedonia, Malta, Moldova, Romania, Russia, Slovenia, Spain, Switzerland, Tajikistan, Tunisia, Turkey, Turkmenistan, Ukraine, Yugoslavia.

EGYPTIAN LOCALITIES: Coastal Strip: Burg Hammam, Ikingi Mariout, Maamoura, Mallaha; Lower Nile Valley: Abu Rawash, Borgash, El Katta, Ezbet El Nakhl, Helwan, Kafr Hakim, Kirdassa, Mansouriah, Marg; Eastern Desert: Gebel Asfar, Geneifa, Ismailia, Port Said, Suez Road; Western Desert: Dakhla Oasis, Kharga Oasis; Fayoum.

DATES OF COLLECTION: May to October.

Villa efflatouni El Hawagry & Greathead, 2006

Villa efflatouni El Hawagry & Greathead, 2006: 28. Type locality: Egypt (Mariout) [H in CUE].

DISTRIBUTION: PA: Egypt.

EGYPTIAN LOCALITIES: Coastal Strip: Alexandria, Mariout; Lower Nile Valley: Faraskour; Eastern Desert: Geneifa, Ismailia, Suez Road.

DATES OF COLLECTION: April to October.

Villa micrargyra (Walker, 1871)

Anthrax micrargyra Walker, 1871a: 262. Type locality: Egypt (Cairo).

DISTRIBUTION: PA: Egypt, Saudi Arabia.

EGYPTIAN LOCALITIES: Coastal Strip: Alexandria, Burg Mariout; Lower Nile Valley: Cairo; Eastern Desert: Ismailia, Serapium, Suez Road; Western Desert: Wadi El Natroun; Sinai: Ein Moussa.

DATES OF COLLECTION: March to May.

Villa paniscoides Bezzi, 1912

Villa paniscoides Bezzi, 1912: 624. Type locality: Malawi [as "North Nyasa" & "West Nyasa"].

DISTRIBUTION: AF: Egypt [as "Gebel Elba"], Eritrea, Ethiopia, Kenya, Malawi, Somalia, Uganda, Yemen. PA: Oman, Saudi Arabia.

EGYPTIAN LOCALITIES: Eastern Desert: Suez Road, Serapium; Sinai: Ein Gehayer (Serbal), Wadi El Arbeine, Wadi Garagnyia; Gebel Elba: Wadi Edeib.

DATES OF COLLECTION: March to September.

Villa stenozoides El Hawagry & Greathead, 2006

Villa stenozoides El Hawagry & Greathead, 2006: 30. Type locality: Egypt (Ezbet El Nakhl) [H in CUE].

DISTRIBUTION: PA: Egypt.
EGYPTIAN LOCALITIES: Coastal Strip: Abu kir; Lower Nile Valley:
Barrage, Helwan, Ezbet El Nakhl; Fayoum: Tameyia; Western
Desert: Kharga Oasis.
DATES OF COLLECTION: April to October.

Tribe XERAMOEBINI Hull

Genus DESMATONEURA Williston

Desmatoneura Williston, 1895: 267. Type species: *Desmatoneura
argentifrons* Williston, 1895, by monotypy.
Chionamoeba Sack, 1909: 510, 543. Type species: *Bibio nivea* Rossi,
1790, by original designation.
Chiasmella Bezzi, 1924a: 156. Type species: *Chiasmella brevipennis*
Bezzi, 1924, by original designation.

Desmatoneura aegypticola (Paramonov, 1935)
Anthrax aegypticola Paramonov, 1935: 16, 31 (key only). Type locality:
Egypt.
DISTRIBUTION: PA: Egypt.
EGYPTIAN LOCALITIES: Unknown.
DATES OF COLLECTION: Unknown.

Desmatoneura albifacies (Macquart, 1840)
Anthrax albifacies Macquart, 1840: 71 [1841: 349]. Type locality:
Algeria [as "D'Alger"].
DISTRIBUTION: AF: Egypt [as "Gebel Elba"]. PA: Afghanistan, Algeria,
Egypt.
EGYPTIAN LOCALITIES: Fairly common every where in Egypt.
DATES OF COLLECTION: January to September.

Desmatoneura nivea (Rossi, 1790)
Bibio nivea Rossi, 1790: 277. Type locality: Italy.
Argyromoeba nivea var. *lioyi* Griffini, 1896: 2. Type locality: Italy.
DISTRIBUTION: PA: Armenia, Azerbaijan, Bulgaria, Egypt, Greece (incl.
Corfu), Gruzia, Italy, Macedonia, Romania, Tunisia, Yugoslavia.

EGYPTIAN LOCALITIES: Lower Nile Valley: El Marg, Ezbet El Nakhl, Kafr Hakim, Kirdassa; Eastern Desert: Wadies south east of Cairo; Fayoum; Upper Nile Valley: Aswan, Isna.
DATES OF COLLECTION: April to September.

Genus **PETROROSSIA** Bezzi

Petrorossia Bezzi, 1908a: 35. Type species: *Bibio hespera* Rossi, 1790, by original designation

Petrorossia albula Zaitzev, 1962

Petrorossia albula Zaitzev, 1962a: 126. Type locality: Armenia.
DISTRIBUTION: AF: Benin, Ghana, Kenya, Nigeria. PA: Algeria, Armenia, Azerbaijan, Gruzia, Israel, Kazakhstan, Kyrgyz Republic, Mongolia, Morocco, Saudi Arabia, Tajikistan, Turkmenistan, United Arab Emirates, Uzbekistan.
EGYPTIAN LOCALITIES: Sinai: Wadi El Arbaein.
DATES OF COLLECTION: April to July.

Petrorossia hespera (Rossi, 1790)

Bibio hespera Rossi, 1790: 227. Type locality: Italy.
Anthrax albipectus Walker, 1849: 262. Type locality: France.
Preoccupied by Macquart, 1848.
Petrorossia chraminensis Zaitzev, 1962b: 705. Type locality: Gruzia.
Petrorossia dobrogica Dusa, 1966: 69. Type locality: Romania.
DISTRIBUTION: AF: Egypt [as "Gebel Elba"]. PA: Algeria, Armenia, Austria, Azerbaijan, Bosnia Herzegovina, Bulgaria, Canary Island, Croatia, Egypt, France (incl. Corsica), Greece (incl. Corfu, Ithaca, Lesbos), Gruzia, Israel, Italy, Kyrgyz Republic, Libya, Macedonia, Malta, Moldova, Morocco, Portugal, Romania, Russia, Spain, Tajikistan, Tunisia, Turkey, Turkmenistan, Ukraine, Uzbekistan, Yugoslavia.
EGYPTIAN LOCALITIES: Very common everywhere in Egypt.
DATES OF COLLECTION: April to August.

Petrorossia letho (Wiedemann, 1828)

Anthrax letho Wiedemann, 1828: 566. Type locality: Egypt or Sudan [as "Nubien"].
Anthrax longitarsis Becker, 1902: 23. Type locality: Algeria.

DISTRIBUTION: AF: Benin, Chad, Egypt [as "Gebel Elba"], Eritrea, Ethiopia, Kenya, Somalia, Sudan. PA: Afghanistan, Algeria, Austria, Bosnia Herzegovina, Bulgaria, Croatia, Egypt, France, Iran, Italy, Libya, Macedonia, Russia, Saudi Arabia, Slovenia, Spain, Tajikistan, Turkey, Turkmenistan, Uzbekistan, Yugoslavia.

EGYPTIAN LOCALITIES: Common everywhere in Egypt, especially in Nile Valley and Sinai.

DATES OF COLLECTION: January to September.

***Petrorossia liliputiana* Bezzi, 1925**

Petrorossia letho var. *liliputiana* Bezzi, 1925: 214. Type locality: Egypt (Ezbet El Nakhl, Mex, Suez, Sakkara, Fayoum) & Tunisia [6S (destroyed) in ESEC; 1S in CUE].

DISTRIBUTION: PA: Algeria, Egypt, Tunisia.

EGYPTIAN LOCALITIES: Common everywhere in Egypt, especially in Nile Valley and Sinai.

DATES OF COLLECTION: January to September.

Genus **PIPUNCULOPSIS** Bezzi

***Pipunculopsis* Bezzi, 1925: 211.** Type species: *Pipunculopsis bivittata* Bezzi, 1925, by original designation.

***Pipunculopsis bivittata* Bezzi, 1925**

Pipunculopsis bivittata Bezzi, 1925: 212. Type locality: Egypt (Kirdassa, Suez, Wadi Hoff) [5S (1 destroyed) in ESEC].

DISTRIBUTION: AF: Sudan. PA: Egypt, Israel, Turkmenistan, Uzbekistan.

EGYPTIAN LOCALITIES: Lower Nile Valley: Abu Rawash, Kafr Hakim, Kirdassa; Eastern Desert: Abu Sueir, Geneifa, Ismailia, Suez Road, Wadies south east of Cairo; Fayoum; Upper Nile Valley: Wadi Assiouti; Sinai: Ein Gedeirat.

DATES OF COLLECTION: April to July.

Genus **PROTHAPLOCNEMIS** Bezzi

***Prothaplocnemis* Bezzi, 1925: 220.** Type species: *Argyromoeba anthracina* Becker, 1902 (as "*Argyramoeba*"), by original designation.

Prothaplocnemis anthracina (Becker, 1902)

Argyromoeba anthracina Becker, 1902: 29. Type locality: Egypt.
DISTRIBUTION: AF: Egypt [as "Gebel Elba"]. PA: Egypt, Israel, Oman.
EGYPTIAN LOCALITIES: Fairly common everywhere in Egypt.
DATES OF COLLECTION: February to May.

Genus XERAMOEBA Hesse

Xeramoeba Hesse, 1956a: 356. Type species: *Xeramoeba apricaria*
Hesse, 1956, by original designation.

Gazlia Zaitzev, 1999: 458. Type species: *Gazlia albula* Zaitzev, 1999, by
original designation.

Xeramoeba ramsesi (Paramonov, 1935)

Anthrax ramsesi Paramonov, 1935: 15, 29 (key only) [1936b: 142].

Type locality: Egypt.

DISTRIBUTION: PA: Egypt, Israel.

EGYPTIAN LOCALITIES: ?Sinai.

DATES OF COLLECTION: Unknown.

Xeramoeba rubicunda (Bezzi, 1925)

Chiasmella sabulonis var. *rubicunda* Bezzi, 1925: 217. Type locality:
Egypt (Abu Rawash, Barrage, El Marg, Ezbet El Nakhl, Ma'adi, Suez
Road, Wadi Hoff) [L & 1PL designated by El Hawagry (2001a: 155)
in ESEC].

DISTRIBUTION: AF: Sudan. PA: Egypt.

EGYPTIAN LOCALITIES: Coastal Strip: Alexandria; Eastern Desert:
Geneifa, Serabium, Suez Road, Wadi Garawi, Wadi Hoff; Lower Nile
Valley: Abu Rawash, Barrage, El Marg, Ezbet El Nakhl, Kafr Hakim,
Kafr El Dems, Kirdassa, Ma'adi, Mansouriah; Fayoum; Sinai: Ein
Moussa.

DATES OF COLLECTION: April to August.

Xeramoeba sabulonis (Becker, 1906)

Argyromoeba sabulonis Becker, 1906c: 149. Type locality: Algeria.

Petrorossia latifrons Bezzi, 1925: 214. Type locality: Egypt (Suez) [H in
ESEC].

DISTRIBUTION: AF: Sudan. PA: Algeria, Egypt, Greece, Israel, Macedonia, Tunisia, Turkey, Yugoslavia.

EGYPTIAN LOCALITIES: Coastal Strip: Mariout, Mex, Nuzha; Lower Nile Valley: Kirdassa; Eastern Desert: Suez, Wadies south east of Cairo; Sinai: Ein Gedeirat, Khdood El Zeeb, Wadi El Arbaein, Wadi El Lega, Wadi Garagneyia, Wadi Shallalah.

DATES OF COLLECTION: April to August.

Xeramoeba salwae El Hawagry, 2001

Xeramoeba salwae El Hawagry, 2001a: 156. Type locality: Egypt (Sinai: Wadi El Arbaein) [H in CUE].

DISTRIBUTION: PA: Egypt.

EGYPTIAN LOCALITIES: Eastern Desert: Wadi Degla; Sinai: Wadi El Arbaein, Wadi Tala'a.

DATES OF COLLECTION: May to July.

Xeramoeba semirufa (Sack, 1909)

Chionamoeba semirufa Sack, 1909: 545. Type locality: Iran.

DISTRIBUTION: OR: Pakistan. PA: Afghanistan, Egypt, Iran, Saudi Arabia.

EGYPTIAN LOCALITIES: Eastern Desert: Ghardaga, Wadi Rishrash.

DATES OF COLLECTION: March to July.

Family MYDIDAE

Subfamily LEPTOMYDINAE

Genus LEPTOMYDAS Gerstaecker

Leptomydas Gerstaecker, 1868: 65. Type species: *Mydas lusitanicus* (Wiedemann in Meigen, 1820), by subsequent designation (Coquillett, 1910: 560).

Leptomydas lineatus (Olivier, 1811)

Mydas lineatus Olivier, 1811: 83. Type locality: Egypt (Sakkara [as "pres des pyramides de Sakhara"]).

DISTRIBUTION: PA: Egypt.

EGYPTIAN LOCALITIES: Western Desert: Sakkara.

DATES OF COLLECTION: April to September.

Leptomydas maculatus (Walker, 1871).

Mydas maculatus Walker, 1871a: 272. Type locality: Egypt (South Sinai: Mount Sinai).

DISTRIBUTION: PA: Egypt, Israel, Syria.

EGYPTIAN LOCALITIES: Sinai: Mount Sinai.

DATES OF COLLECTION: April to August.

Subfamily RHOPALIINAE

Genus PERISSOCERUS Gerstaecker

Perissocerus Gerstaecker, 1868: 84. Type species: *Perissocerus abyssinicus* Gerstaecker, 1868, by monotypy.

Perissocerus surcoufi Bezzi, 1921

Perissocerus surcoufi Bezzi, 1921: 138. Type locality: Algeria (El Golea).

DISTRIBUTION: PA: Algeria, Egypt.

EGYPTIAN LOCALITIES: Lower Nile Valley: Barrage; Eastern Desert: Suez; Fayoum.

DATES OF COLLECTION: April to June.

***Perissocerus dumonti* Séguy, 1928**

Perissocerus dumonti Séguy, 1928: 45. Type locality: Tunisia (Sidi Bou Zid).

DISTRIBUTION: Libya, Tunisia.

EGYPTIAN LOCALITIES: Unknown.

DATES OF COLLECTION: Unknown.

Genus **RHOPALIA** Macquart

***Rhopalia* Macquart, 1838: 12.** Type species: *Rhopalia olivieri* Macquart, 1838, by original designation.

***Rhopalia cincta* Sack, 1934**

Rhopalia cincta Sack, 1934: 12. Type locality: Egypt.

DISTRIBUTION: PA: Egypt.

EGYPTIAN LOCALITIES: Coastal Strip: Mariout.

DATES OF COLLECTION: April.

***Rhopalia efflatouni* Bequaert, 1961**

Rhopalia efflatouni Bequaert, 1961: 25. Type locality: Egypt (Mariout, El Borg).

DISTRIBUTION: PA: Egypt.

EGYPTIAN LOCALITIES: Coastal Strip: Mariout, El Borg.

DATES OF COLLECTION: February to May.

***Rhopalia olivieri* Macquart, 1838**

Rhopalia olivieri Macquart, 1838: 12. Type locality: Egypt.

DISTRIBUTION: PA: Egypt, United Arab Emirates.

EGYPTIAN LOCALITIES: Unknown.

DATES OF COLLECTION: Unknown.

***Rhopalia spinolae* Macquart, 1838**

Rhopalia spinolae Macquart, 1838: 192. Type locality: Egypt.

Distribution: PA: Egypt.

EGYPTIAN LOCALITIES: Eastern Desert: Wadi Hoff.

DATES OF COLLECTION: June.

***Rhopalia tristis* Séguy, 1928**

Rhopalia tristis Séguy, 1928: 137. Type locality: Egypt (Suez).

DISTRIBUTION: Egypt.
EGYPTIAN LOCALITIES: Eastern Desert: Suez.
DATES OF COLLECTION: May to July.

Subfamily SYLLEGOMYDINAE

Tribe SYLLEGOMYDINI

Genus SYLLEGOMYDAS Becker

Syllegomydas Becker, 1906: 277. Type species: *Mydas cinctus* Macquart, 1835, by subsequent designation (Sack, 1934: 23).

Syllegomydas algiricus (Gerstaecker, 1868)

Rhopalia algirica Gerstaecker, 1868: 86. Type locality: Algeria.
DISTRIBUTION: PA: Algeria, Egypt, Morocco, Spain, Tunisia.
EGYPTIAN LOCALITIES: Unknown.
DATES OF COLLECTION: Unknown.

Syllegomydas bezzii Arias, 1914

Syllegomydas bezzii Arias, 1914a: 176. Type locality: Tunisia (Djerba).
DISTRIBUTION: PA: Egypt, Tunisia.
EGYPTIAN LOCALITIES: Unknown.
DATES OF COLLECTION: Unknown.

Syllegomydas cinctus (Macquart, 1835)

Mydas cinctus Macquart, 1835: 655. Type locality: Algeria (Oran).
DISTRIBUTION: PA: Algeria, Egypt, Tunisia.
EGYPTIAN LOCALITIES: Unknown.
DATES OF COLLECTION: Unknown.

Syllegomydas claripennis Becker, 1906

Syllegomydas claripennis Becker, 1906e: 279. Type locality: Tunisia (El Djerba).
DISTRIBUTION: PA: Egypt, Tunisia.
EGYPTIAN LOCALITIES: Unknown.
DATES OF COLLECTION: Unknown.

Syllegomydas efflatouni Bezzi, 1924

Syllegomydas efflatouni Bezzi, 1924b: 163. Type locality: Egypt

(Barrage = "Al Qanatir al Khayriyah"). [Type in CUE].

DISTRIBUTION: PA: Egypt, Libya.

EGYPTIAN LOCALITIES: Lower Nile Valley: Abu Rawash, Barrage, Kafr Hakim, Mansoureyia; Eastern Desert: Ferdan, Hurgada, Wadies south east of Cairo, Wasfia; Western Desert: Kharga Oasis; Sinai: El Arish, Wadi Um Hocheb.

DATES OF COLLECTION: April to September.

Syllegomydas merceti Arias, 1914

Syllegomydas merceti Arias, 1914b: 44. Type locality: Morocco (Mogador).

DISTRIBUTION: PA: Egypt, Morocco.

EGYPTIAN LOCALITIES: Unknown.

DATES OF COLLECTION: Unknown.

Syllegomydas spinipes Bezzi, 1924

Syllegomydas spinipes Bezzi, 1924b: 160. Type locality: Egypt (Sulloum). [Type in CUE].

DISTRIBUTION: PA: Egypt.

EGYPTIAN LOCALITIES: Coastal Strip: Salloum.

DATES OF COLLECTION: June.

Syllegomydas vittatus (Wiedemann, 1828)

Midas vittatus Wiedemann, 1828: 559. Type locality: Egypt or Sudan [as "Nubien"].

Distribution: AF: Ethiopia, Sudan; PA: Egypt.

EGYPTIAN LOCALITIES: Coastal Strip: Burg Mariout; Western Desert: Dakhla Oasis; Upper Nile Valley: Aswan.

DATES OF COLLECTION: February to May.

Family MYTHICOMYIIDAE

Subfamily PLATYPYGINAE Verrall

Genus CEPHALODROMIA Becker

Cephalodromia Becker, 1914: 121. Type species: *Cephalodromia curvata* Becker, 1914, by monotypy.

Ceratolaemus Hesse, 1938: 969 (as subgenus of *Platypygus* Loew). Type species: *Platypygus xanthogrammus* Hesse, 1938, by original designation.

Cyrtosia gulperii Efllatoun, 1945

Cyrtosia gulperii Efllatoun, 1945: 40. Type locality: Egypt (Gebel Elba) [5S in CUE; 11S (2 destroyed) in ESEC; 1S lost].

DISTRIBUTION: AF: Egypt [as "Gebel Elba"], Sudan.

EGYPTIAN LOCALITIES: Gebel Elba.

DATES OF COLLECTION: March and April.

Cyrtosia injii Efllatoun, 1945

Cyrtosia injii Efllatoun, 1945: 41. Type locality: Egypt (Kawal El Nadayet, Wadi Edeib) [11S in CUE; 3S in ESEC; 10 lost].

DISTRIBUTION: AF: Egypt [as "Gebel Elba"], Sudan. PA: Egypt.

EGYPTIAN LOCALITIES: Eastern Desert: Kawal El Nadayet; Gebel Elba: Wadi Edeib.

DATES OF COLLECTION: January.

Cephalodromia nitens (Loew, 1846)

Cyrtosia nitens Loew, 1846: 421. Type locality: Italy & Sicily.

DISTRIBUTION: PA: Egypt, Italy (incl. Sicily).

EGYPTIAN LOCALITIES: Unknown.

DATES OF COLLECTION: Unknown.

Cephalodromia separata (Efllatoun, 1945)

Cyrtosia separata Efllatoun, 1945: 51. Type locality: Egypt (Burg) [H (damaged) in ESEC].

DISTRIBUTION: PA: Egypt.

EGYPTIAN LOCALITIES: Coastal Strip: Burg

Genus **CYRTISIOPSIS** Séguy

Cyrtisiopsis Séguy, 1930: 80. Type species: *Cyrtisiopsis singularis* Séguy, 1930, by original designation.

Cyrtisiopsis melleus (Loew, 1856)

Platypygus melleus Loew, 1856: 31. Type locality: Egypt.

DISTRIBUTION: PA: Algeria, Armenia, Azerbaijan, Egypt, France, Greece,

Gruzia, Iran, Italy (incl. Sardinia), Jordan, Morocco, Russia, Spain, Tajikistan, Turkey, Turkmenistan, Ukraine.

EGYPTIAN LOCALITIES: Lower Nile Valley: Ezbet El Nakhl; Eastern Desert: North Galala, Wadies south east of Cairo; Sinai: South Sinai (Wadi El Leiga).

DATES OF COLLECTION: March and September.

Genus **CYRTOSIA** Perris

Cyrtosia Perris, 1839: 54. Type species: *Cyrtosia marginata* Perris, 1839, by monotypy.

Cyrtosia abragi Efflatoun, 1945

Cyrtosia abragi Efflatoun, 1945: 38. Type locality: Egypt (Bir Abrag) [13S in CUE; 5S (all destroyed) in ESEC; 5 lost].

DISTRIBUTION: PA: Egypt.

EGYPTIAN LOCALITIES: Eastern Desert: Bir Abrag

DATES OF COLLECTION: February.

Cyrtosia luteiventris Bezzi, 1926

Cyrtosia luteiventris Bezzi, 1926: 262. Type locality: Egypt (Wadi Rishrash [?"H in ESEC "this specimen is collected by Efflatoun Bey in 1935, so I think it is not the holotype of *Cyrtosia luteiventris* Bezzi, however it may be a syntype for *Cyrtosia luteiventris* var. *minima* Efflatoun, 1945"].

Cyrtosia luteiventris var. *minima* Efflatoun, 1945: 45 Type locality: Egypt [3S in CUE; ?1S in ESEC].

DISTRIBUTION: PA: Egypt.

EGYPTIAN LOCALITIES: Eastern Desert: Wadies south east of Cairo; Sinai: Wadi El Lega.

DATES OF COLLECTION: March and April.

***Cyrtosia marginata* Perris, 1839**

Cyrtosia marginata Perris, 1839: 56. Type locality: France.
DISTRIBUTION: PA: France, Germany, Spain, UK (Channel Islands).
EGYPTIAN LOCALITIES: Coastal Strip: Burg Hammam, Ikingi Mariout,
Wadi El Ramlah "near Matrouh".
DATES OF COLLECTION: February and March.

***Cyrtosia nubila* (Bezzi, 1925)**

Empidideicus nubilus Bezzi, 1925: 188. Type locality: Egypt.
DISTRIBUTION: AF: Ethiopia, Egypt [as "Gebel Elba"], Sudan. PA: Egypt.
EGYPTIAN LOCALITIES: Eastern Desert; Gebel Elba.
DATES OF COLLECTION: February to May.

***Cyrtosia opaca* Loew, 1846**

Cyrtosia opaca Loew, 1846: 420. Type locality: Not given.
DISTRIBUTION: AF: Egypt [as "Gebel Elba"], Sudan. PA: Egypt, Greece,
Italy (incl. Sicily), Yugoslavia.
EGYPTIAN LOCALITIES: Eastern Desert; Gebel Elba.
DATES OF COLLECTION: February and March.

***Cyrtosia pusilla* Loew, 1873**

Cyrtosia pusilla Loew, 1873: 206. Type locality: Uzbekistan [as
"Kisilkum"].
DISTRIBUTION: PA: ?Egypt, Iran, Kazakhstan, Mongolia, Saudi Arabia,
Tajikistan, Turkmenistan, Uzbekistan.
EGYPTIAN LOCALITIES: Unknown.
DATES OF COLLECTION: Unknown.

***Cyrtosia tetragramma* Bezzi, 1926**

Cyrtosia tetragramma Bezzi, 1926: 261. Type locality: Egypt [?H in
ESEC].
DISTRIBUTION: PA: Egypt.
EGYPTIAN LOCALITIES: Coastal Strip: Burg Mariout; Eastern Desert:
Wadi Morrah.
DATES OF COLLECTION: February and March.

Genus **PLATYPYGUS** Loew

***Platypygus* Loew, 1844: 127. Type species: *Platypygus chrysanthemus*
Loew, 1844, by monotypy.**

Popsia Costa, 1863: 52. Type species: *Popsia ridibundus* Costa, 1863, by monotypy.

Platypygus maculiventris Loew, 1874

Platypygus maculiventris Loew, 1874: 416. Type locality: Iran.

DISTRIBUTION: PA: ?Egypt, Iran.

EGYPTIAN LOCALITIES: Unknown.

DATES OF COLLECTION: Unknown.

Subfamily GLABELLULINAE Cockerell

Genus DOLIOPTERYX Hesse

Doliopteryx Hesse, 1938: 39, 968. *Nomen nudum*.

Doliopteryx Melander, 1946: 454. *Nomen nudum*.

Doliopteryx Hesse, 1956a: 15. *Nomen nudum*.

Doliopteryx Hesse, 1956b: 936. Type species: *Doliopteryx crocea* Hesse, 1956, by original designation.

Doliopteryx palaestinensis Evenhuis & Theodor *in* Evenhuis, 2000

Doliopteryx palaestinensis Evenhuis & Theodor *in* Evenhuis, 2000: 129.

Type locality: Israel.

DISTRIBUTION: PA: ?Egypt, Israel.

EGYPTIAN LOCALITIES: Unknown.

DATES OF COLLECTION: Unknown.

Subfamily EMPIDIDEICINAE Hull

Genus EMPIDIDEICUS Becker

Empidideicus Becker, 1907a: 97. Type species: *Empidideicus carthaginiensis* Becker, 1907, by monotypy.

Cyrtoides Engel, 1933: 102 (as subgenus of *Empidideicus* Becker). Type species: *Empidideicus efflatouni* Engel, 1933, by monotypy.

Ecliptica Engel, 1933: 103. *Nomen nudum*.

Anomaloptilus Hesse, 1938: 983 (as subgenus of *Empidideicus* Becker).

Type species: *Empidideicus celluliferus* Hesse, 1938, by monotypy.

Aetheoptilus Hesse, 1967: 112 (as subgenus of *Empidideicus* Becker).
Type species: *Empidideicus zuluensis* Hesse, 1967, by original designation.

***Empidideicus carthaginiensis* Becker, 1907**

Empidideicus carthaginiensis Becker, 1907a: 97. Type locality: Tunisia (Sfax).

DISTRIBUTION: AF: Egypt [as "Gebel Elba"], Sudan. PA: Algeria, Egypt, Israel, Tunisia.

EGYPTIAN LOCALITIES: Coastal Strip: Burg Ikingi Mariout, Wadi El Ramlah "near Matrouh"; Gebel Elba.

DATES OF COLLECTION: January to March.

***Empidideicus eflatouni* Engel, 1933**

Empidideicus eflatouni Engel, 1933: 102. Type locality: Egypt (Gebel Elba) [1S in CUE; 8S (3 damaged) in ESEC].

DISTRIBUTION: AF: Egypt [as "Gebel Elba"], Sudan. PA: Egypt, Israel, Libya.

EGYPTIAN LOCALITIES: Coastal Strip: Mariout; Lower Nile Valley: Burgash, Kafr El Dems [= Mansheyet Radwan], Kafr Hakim; Gebel Elba.

DATES OF COLLECTION: March to August.

***Empidideicus mariouti* Eflatoun, 1945**

Empidideicus mariouti Eflatoun, 1945: 32. Type locality: Egypt (Burg Mariout) [1S in CUE; 3S (all damaged) in ESEC; 2 lost].

DISTRIBUTION: PA: Egypt.

EGYPTIAN LOCALITIES: Coastal Strip: Burg Mariout.

DATES OF COLLECTION: March.

Subfamily LEYLAIYINAE Greathead & Evenhuis

Genus LEYLAIYA Eflatoun

***Leylaiya* Eflatoun, 1945: 21. Type species: *Leylaiya mimnermia* Eflatoun, 1945, by original designation.**

Euanthobates Hesse, 1965: 482. Type species: *Euanthobates pectinigulus* Hesse, 1965, by original designation.

Acoecus Hull, 1973: 265, 276 (as subgenus of *Euanthobates* Hesse).
Type species: *Euanthobates mellivorus* Hesse, 1967, by original designation.

Leylaiya mimnermia Efflatoun, 1945

Leylaiya mimnermia Efflatoun, 1945: 23. Type locality: Egypt (Wadi Rishrash and Wadi Garrareyat) [4S in CUE; 1S (destroyed) in ESEC].

DISTRIBUTION: PA: Egypt, Israel, Oman, United Arab Emirates.

EGYPTIAN LOCALITIES: Eastern Desert: Wadi Garrareyat, Wadi Rishrash.

DATES OF COLLECTION: June and July.

Family **SCENOPINIDAE**

Subfamily **PRORATINAE** Theodor

Genus **ALLOXYTROPUS** Bezzi

Alloxytropus Bezzi, 1925: 186. Type species: *Alloxytropus anomalus* Bezzi, 1925, by original designation.

Alloxytropus anomalus Bezzi, 1925

Alloxytropus anomalus Bezzi, 1925: 187. Type locality: Egypt (Qena and Wadi Hoff) [2S destroyed in ESEC].

DISTRIBUTION: PA: Egypt, Sudan.

EGYPTIAN LOCALITIES: Lower Nile Valley: Ma'adi (Cairo); Eastern Desert: Wadi Rishrash, Wadi Hoff; Upper Nile Valley: Qena.

DATES OF COLLECTION: June.

Alloxytropus bezzii Paramonov, 1929

Alloxytropus bezzii Paramonov, 1929b: 83. Type locality: Egypt (Wadi Um Girfan) [2S damaged in ESEC].

DISTRIBUTION: PA: Egypt.

EGYPTIAN LOCALITIES: Eastern Desert: Wadi Um Girfan.

DATES OF COLLECTION: April.

Subfamily **SCENOPININAE** Fallen

Genus **CAENONEURA** Kröber

Caenoneura Kröber, 1923: 75. Type species: *Caenoneura robusta* Kröber, by original designation.

Caenoneura robusta Kröber, 1923

Caenoneura robusta Kröber, 1923: 75. Type locality: Egypt (Cairo) [Hin ESEC].

DISTRIBUTION: PA: Egypt.

EGYPTIAN LOCALITIES: Coastal Strip: Salloum; Lower Nile Valley: Abu Rawash, Cairo; Sinai: Wadi Gedeirat.

DATES OF COLLECTION: May to August.

Genus **PSEUDOMPHRALE** Kröber, 1913

Pseudomphrale Kröber, 1913: 180. Type species: *Scenopinus clausus* Loew, by original designation.

Pseudomphrale flavoscutellata Kröber, 1929

Pseudomphrale flavoscutellata Kröber, 1929: 80. Type locality: Egypt (Burg "Mariout") [L & 2 PL designated by Hassan & El Hawagry (2001:3) in CUE].

DISTRIBUTION: Egypt.

EGYPTIAN LOCALITIES: Coastal Strip: Burg Mariout.

DATES OF COLLECTION: May.

Pseudomphrale miramisho Hassan & El Hawagry, 2001

Pseudomphrale miramisho Hassan & El Hawagry, 2001: 3. Type locality: Egypt (Eastern Desert: Wadi Rishrash) [H in CUE].

DISTRIBUTION: Egypt.

EGYPTIAN LOCALITIES: Eastern Desert: Wadi Rishrash.

DATES OF COLLECTION: June.

Genus **SCENOPINUS** Latreille, 1802

Omphrale Meigen, 1800: 29. Type species: *Musca senilis* Fabricius, 1794, suppressed by I.C.Z.N (1963: 339).

Scenopinus Latreille, 1802: 463. Type species: *Musca fenestralis* Linnaeus, by monotypy.

Atrichia Schrank 1803: 54. Type species: *Atrichia fasciatus* Schrank, 1803, by monotypy.

Cona Schellenberg 1803: 66. Type species: *Musca fenestralis* Linnaeus, 1758, by original designation.

Scenopoeus Agassiz, 1846b: 333. Unjustified emendation of *Scenopinus*.

Astoma Lioy 1864: 762. Homonym. Type species: *Nemotelus niger* De Geer, 1776, by monotypy.

Lepidomphrale Kröber 1913: 182. Type species: *Scenopinus niveus* Becker, 1907, by monotypy.

Archiscenopinus Enderlein 1914b: 25. Type species: *Scenopinus niger* (De Geer, 1776), by original designation.

- Lucidomphrale* Kröber 1937: 222. Type species: *Scenopinus lucidus* Becker, 1902, by original designation.
Omphralosoma Kröber 1937: 222. Type species: *Scenopinus squamosus* Villeneuve, 1913, by original designation.
Paromphrale Kröber 1937: 222. Type species: *Scenopinus glabrifrons* Meigen, 1824, by original designation.
Scenopinula Paramonov 1955: 651. Type species: *Scenopinula pallidipennis* Paramonov, 1955, by monotypy.
Scaenopius: Misspelling (Dalla Torre, 1878: 161).

albicinctus group:

- Scenopinus curtipilosus*** Kelsey, 1969
Scenopinus curtipilosus Kelsey, 1969: 63. Type locality: Egypt.
DISTRIBUTION: PA: Egypt.
EGYPTIAN LOCALITIES: Fayoum; Kom Osheem.
DATES OF COLLECTION: April.

- Scenopinus lucidus*** Becker, 1902
Scenopinus lucidus Becker, 1902: 39. Type locality: Egypt (Mariout).
DISTRIBUTION: AF: Cape Verde Island, Congo, Nigeria, Uganda. AU: Hawaii. OR: Christmas Islands. PA: Algeria, Canary Islands, Egypt.
EGYPTIAN LOCALITIES: Coastal Strip: Mariout; Lower Nile Valley: Ma'adi (Cairo).
DATES OF COLLECTION: April.

brevicornis group:

- Scenopinus brevicornis*** Loew, 1873
Scenopinus brevicornis Loew, 1873: 146. Type locality: Turkmenistan (Warsaminor) [C (determined by Kröber, 1923) in ESEC].
DISTRIBUTION: PA: Egypt, Israel, Turkmenistan.
EGYPTIAN LOCALITIES: Coastal Strip: Dekheila, Mariout, Nuzha; Eastern Desert: Ismailia; Lower Nile Valley: Ezbet Nakhel, Marg.
DATES OF COLLECTION: May to July.

- Scenopinus fraternus*** (Kröber, 1923)
Omphrale fraternus Kröber, 1923: 81. Type locality: Egypt (Fayoum: Siala) [H in ESEC].
DISTRIBUTION: PA: Egypt.

EGYPTIAN LOCALITIES: Coastal Strip: Burg Dekheila; Lower Nile Valley: Ezbet Nakhl, Helwan, Kobba; Fayoum: Siala; Upper Nile Valley: Wadi Assiouti; Sinai: Wadi Moueileh.
DATES OF COLLECTION: April to June.

***Scenopinus lincinus* Kelsey, 1969**

Scenopinus lincinus Kelsey, 1969: 99. Type locality: Madagascar (Ambobitautely).

DISTRIBUTION: PA: Egypt and Madagascar.

EGYPTIAN LOCALITIES: Sinai: Wadi El Sheikh.

DATES OF COLLECTION: April.

***Scenopinus nitidulus* Loew, 1873**

Scenopinus nitidulus Loew, 1873: 149. Type locality: Iran (Balfrush).

DISTRIBUTION: PA: Crete, Egypt, Iran, Palestine.

EGYPTIAN LOCALITIES: Coastal Strip: Burg; Lower Nile Valley:

Barrage "Al Kanater Al Khaireya", Ezbet Nakhl, Helwan, Koubba;

Sinai: Wadi Moueileh.

DATES OF COLLECTION: March to September.

fenestralis group:

***Scenopinus efflatouni* Kelsey, 1969**

Scenopinus efflatouni Kelsey, 1969: 24. Type locality: Egypt (Abu Rawash) [H (without head) in ESEC].

DISTRIBUTION: PA: Egypt.

EGYPTIAN LOCALITIES: Lower Nile Valley: Abu Rawash & Cairo.

DATES OF COLLECTION: July to September.

***Scenopinus fenestralis* (Linnaeus, 1758)**

Musca fenestralis Linnaeus, 1758: 597. Type locality: Europe.

Musca tarda Linnaeus, 1761: 441. Type locality: Sweden.

Musca saltitans Scopoli, 1763: 350. Type locality: Slovenia.

Musca senilis Fabricius, 1794: 331. Type locality: Germany.

Atrichia fasciatus Schrank, 1803: 103. Type locality: Germany.

Scenopinus pallipes Say, 1823: 100. Type locality: USA (Pennsylvania).

Scenopinus sulcicollis Meigen, 1824: 114. Type locality: Austria.

Scenopinus domesticus Meigen, 1824: 114. Type locality: Sweden.

Scenopinus scutellatus Macquart, 1844: 7. Type locality: Africa?.

Scenopinus furcinervis Zetterstedt, 1844: 897. Type locality: Sweden.

Scenopinus scutellatus var. *nigroscutellata* Frey, 1945: 36. Type locality: Azores. *Scenopinus graminicola* Zetterstedt, 1859: 6045. Type locality: Sweden.

Scenopinus perkinsi Paramonov, 1955: 651. Unavailable name.

Scenopinus fuscinervis: Misspelling of *Scenopinus furcinervis* Zetterstedt (Schiner, 1860b: 159).

DISTRIBUTION: Cosmopolitan.

EGYPTIAN LOCALITIES: Unknown.

DATES OF COLLECTION: Unknown.

***Scenopinus glabrifrons* Meigen, 1824**

Scenopinus glabrifrons Meigen, 1824: 114. Type locality: Austria.

Scenopinus halteratus Meigen, 1824: 114. Type locality: Portugal.

Scenopinus orbita Meigen, 1824: 114. Type locality: Austria.

Scenopinus glabrifrons var. *surcoufi* Séguy, 1920: 318. Type locality: Algeria (Bopghari).

Scenopinus civiculus Hardy, 1933: 418. Type locality: Australia.

Scenopinus laevifrons: Misspelling of *Scenopinus glabrifrons* Meigen (Loew, 1857b: 88).

DISTRIBUTION: Cosmopolitan.

EGYPTIAN LOCALITIES: Lower Nile Valley: Gezeirah, Cairo.

DATES OF COLLECTION: April to June.

***Scenopinus saini* Kelsey, 1969**

Scenopinus saini Kelsey, 1969: 39. Type locality: Egypt (South Sinai: Wadi El Lega).

DISTRIBUTION: PA: Egypt.

EGYPTIAN LOCALITIES: Sinai: Wadi El Lega.

DATES OF COLLECTION: September.

Genus **STENOMPHRALE** Kröber, 1937

***Stenomphrale* Kröber, 1937: 220. Type species: *Pseudomphrale teutankhameni* Kröber, 1923, by original designation.**

***Stenomphrale teutankhameni* (Kröber, 1923)**

Pseudomphrale teutankhameni Kröber, 1923: 72. Type locality: Egypt (Mariout).

DISTRIBUTION: PA: Egypt.

EGYPTIAN LOCALITIES: Coastal Strip: Mariout, Burg

DATES OF COLLECTION: March to April.

Family **THEREVIDAE**

Subfamily **PHYCINAE** Lyneborg

Tribe **PHYCINI** Lyneborg

Genus **ACATHRITO** Lyneborg

Acathrito Lyneborg, 1983: 198. Type species: *Acathrito lindneri*
Lyneborg, 1983, by original designation.

Acathrito robusta Kröber, 1929

Acathrito robusta Kröber, 1929: 79. Type locality: Egypt (Gebel Elba).
Ruppellia robusta Kröber, 1929: 79. Incorrect spelling of genus group
name in original combination.

DISTRIBUTION: AF: Egypt [as "Gebel Elba"]. PA: Israel.

EGYPTIAN LOCALITIES: Gebel Elba.

DATES OF COLLECTION: March and April.

Genus **ACTORTHIA** Kröber

Actorthia Kröber, 1912: 30. Type species: *Acthertia frontata* Kröber,
1912, by monotypy.

Gyrophthalmus Becker, 1912: 311. Type species: *Gyrophthalmus*
khedivalis Becker, 1912, by monotypy.

Lesneus Surcouf, 1921: 161. Type species: *Lesneus canescens* Surcouf,
1921, by monotypy.

Gyrophthalminus Frey, 1936: 52. Type species: *Actorthia ahngeri* Frey,
1921, by original designation.

Acthertia Kröber, 1912: 30. Incorrect spelling

Actorthia efflatouni Kröber, 1925

Actorthia efflatouni Kröber, 1925: 233. Type locality: Egypt (Abu
Rawash).

DISTRIBUTION: PA: Egypt.

EGYPTIAN LOCALITIES: Lower Nile Valley: Abu Rawash.

DATES OF COLLECTION: April to September.

***Actorthia frontata* Kröber, 1912**

Actorthia frontata Kröber, 1912: 30. Type locality: Egypt (Tourah).

Achhortia frontata Kröber, 1912: 30. Incorrect spelling of genus group name in original combination.

DISTRIBUTION: PA: Egypt.

EGYPTIAN LOCALITIES: Lower Nile Valley: Mansoureyia, Tourah.

DATES OF COLLECTION: June to September.

***Actorthia khedivialis* (Becker, 1912)**

Gyrophthalmus khedivialis Becker, 1912: 312. Type locality: Egypt (Cairo).

DISTRIBUTION: PA: Egypt.

EGYPTIAN LOCALITIES: Lower Nile Valley: Cairo.

DATES OF COLLECTION: May.

***Actorthia micans* (Kröber, 1924)**

Orthactia micans Kröber, 1924: 93. Type locality: Egypt (Sakkara).

DISTRIBUTION: PA: Egypt.

EGYPTIAN LOCALITIES: Coastal Strip: Burg Matrouh; Lower Nile Valley: Abu Rawash, Giza, Helwan; Western Desert: Sakkara; Sinai: El Arish.

DATES OF COLLECTION: March to October.

***Actorthia pulchella* Kröber, 1927**

Actorthia pulchella Kröber, 1927: 14. Type locality: Egypt (Kafr el Harama).

DISTRIBUTION: AF: Egypt [as "Gebel Elba"]. PA: Egypt.

EGYPTIAN LOCALITIES: Upper Nile Valley: Kafr el Harama; Gebel Elba.

DATES OF COLLECTION: April.

Genus **EFFLATOUNIELLA** Kröber

***Efflatouniella* Kröber 1927: 15. Type species: *Efflatouniella aegyptiaca* Kröber, 1927, by monotypy.**

***Efflatouniella aegyptiaca* Kröber, 1927**

Efflatouniella aegyptiaca Kröber, 1927: 15. Type locality: Egypt (Kirdassa & Abu Rawash) [C in CUE].

DISTRIBUTION: PA: Egypt, Israel.

EGYPTIAN LOCALITIES: Lower Nile Valley: Abu Rawash, Kirdassa.

DATES OF COLLECTION: March & August.

Efflatouniella legaensis Mohammad & Badrawy, 2011

Efflatouniella legaensis Mohammad & Badrawy, 2011: 57. Type locality:
Egypt (South Sinai: Wadi El Lega) [H in CUE].

DISTRIBUTION: PA: Egypt.

EGYPTIAN LOCALITIES: Sinai: South Sinai (Wadi El Lega).

DATES OF COLLECTION: June to September.

Efflatouniella sinatica Mohammad & Badrawy, 2011

Efflatouniella sinatica Mohammad & Badrawy, 2011: 58. Type locality:
Egypt (South Sinai: Wadi Moweileh) [H in CUE; 2P in ASUC].

DISTRIBUTION: PA: Egypt, Israel.

EGYPTIAN LOCALITIES: Sinai: South Sinai (Wadi Moweileh).

DATES OF COLLECTION: April.

Genus PHYCUS Walker

Phycus Walker, 1850: 2. Type species: *Xylophagus canescens* Walker, 1848, by monotypy [= *Xylophagus brunneus* Wiedemann, 1824].

Caenophanes Loew, 1874: 415. Type species: *Caenophanes insignis* Loew, 1874, by monotypy. Preoccupied by Forster, 1862 (Hymenoptera).

Caenophanomyia Bezzi, 1902: 191. New replacement name for *Caenophanes* Loew, 1874. Type species: *Caenophanes insignis* Loew, 1874, automatic.

Paraphycus Becker, 1922: 62. Type species: *Phycus nitidus* Wulp, 1897, by original designation.

Caenophaniella Séguy, 1941: 112. Type species: *Caenophaniella nigra* Séguy, 1941, by original designation.

Phycus insignis (Loew, 1874)

Caenophanes insignis Loew, 1874: 415. Type locality: Iran (Shahrud [= Schahrud]).

DISTRIBUTION: PA: Afghanistan, Egypt, Iran, Iraq, Israel, Jordan, Syria, Tunisia, Turkey.

EGYPTIAN LOCALITIES: Unknown.

DATES OF COLLECTION: Unknown.

***Phycus marginatus* Kröber, 1912**

Phycus marginatus Kröber, 1912: 5. Type locality: "?Africa/Drury".

Phycus bicinctus Kröber, 1924: 87. Type locality: Egypt (Cairo).

Phycus sobrinus Brunetti, 1929: 11. Type locality: Sudan (Khartoum).

DISTRIBUTION: AF: Most Afrotropical countries. PA: Egypt.

EGYPTIAN LOCALITIES: Upper Nile Valley: Tisfa; Eastern Desert: Ismailia.

DATES OF COLLECTION: July and August.

Genus **RUPPELLIA** Wiedemann

***Ruppellia* Wiedemann, 1830: 625.** Type species: *Ruppellia semiflava* Wiedemann, 1830, by monotypy.

Rueppellia Bezzi, 1903: 213. Unjustified emendation of *Ruppellia*.

Cataclinoneurum Becker, 1912: 310. Type species: *Cataclinoneurum alexandrinum* Becker, 1912, by monotypy [= *thoracica* (Macquart, 1840)].

Ruepellia: Misspelling (Schiner, 1868: 145).

Rppellia: Misspelling (Bezzi, 1903: 213).

***Ruppellia semiflava* Wiedemann, 1830**

Ruppellia semiflava Wiedemann, 1830: 625. Type locality: Egypt.

Ruppellia subapicalis Lyneborg, 1983: 198. Type locality: Egypt.

Rueppellia apicalis Kröber, 1929: 78. Junior secondary homonym; preoccupied by *Salentia apicalis* Becker, 1912.

Ruppellia pallida Kröber, 1929: 79. Type locality: Egypt (Gebel Elba).

DISTRIBUTION: AF: Most Afrotropical countries, Egypt [as "Gebel Elba"]. PA: Egypt.

EGYPTIAN LOCALITIES: Coastal Strip: Burg; Lower Nile Valley:

Barrage; Eastern Desert: Wadi Rishrash; Western Desert: Dakhla;

Sinai: Wadi Mbueileh; Gebel Elba: Halayeb, Wadi Edeib.

DATES OF COLLECTION: January to September.

***Ruppellia thoracica* (Macquart, 1840)**

Thereva thoracica Macquart, 1840: 22. Type locality: Egypt.

Thereva nuda Loew, 1856: 33. Type locality: Egypt (Abukir).

Rueppellia nuda (Loew, 1856: 33). Incorrect spelling of genus group name in original combination.

Orthactia frontalis Kröber, 1912: 28. Type locality: Tunis.

Cataclinoneurum alexandrinum Becker, 1912:310. Type locality: Egypt (Alexandria [as "Alexandrien"]).

DISTRIBUTION: PA: Egypt, Israel, Libya, Tunisia.

EGYPTIAN LOCALITIES: Coastal Strip: Alexandria, Amria, Dekhaila, Hammam, Mallaha, Mariout, Matrouh, Nuzha; Lower Nile Valley: Barrage; Eastern Desert: Abu Soueir, Wadi Rishrash, Wadi Um Girfan; Western Desert: Sakkara; Fayoum: Tamyia; Sinai: Ain Hudra, El Arish, Wadi Gedeirat, Wadi Mbueileh.

DATES OF COLLECTION: February to September.

Genus **SALENTIA** Costa

Salentia Costa, 1857: 446. Type species: *Salentia fuscipennis* Costa, 1857, by monotypy.

Apioeicoceras Becker, 1912: 302. Type species: *Xestomyza costalis* Wiedemann, 1824, by monotypy.

Subgenus **SALENTIA** Costa (Nominate subgenus)

Salentia (Salentia) margiana Zaitzev, 1977

Salentia margiana Zaitzev, 1977: 77. Type locality: Turkmenia (Mary [= Merv]).

DISTRIBUTION: PA: Egypt, Russia.

EGYPTIAN LOCALITIES: Unknown.

DATES OF COLLECTION: Unknown.

Subfamily **THEREVINAЕ** Burmeister

Genus **HOPLOSATHE** Lyneborg and Zaitzev

Hoplosathe Lyneborg & Zaitzev, 1980: 81. Type species: *Thereva frauenfeldi* Loew, 1856, by original designation.

Hoplosathe frauenfeldi (Loew, 1856)

Thereva frauenfeldi Loew, 1856: 32. Type locality: Egypt.

Thereua frauenfeldii Loew, 1856: 57. Incorrect original spelling.

DISTRIBUTION: AF: Egypt [as "Gebel Elba"]. PA: Egypt, Iran, Iraq, Israel.
EGYPTIAN LOCALITIES: Coastal Strip: Cleopatra, Mallaha, Mariout,
Nuzha; Lower Nile Valley: Faraskour, Giza, Helwan, Tisfa; Fayoum:
Kom Osheem; Eastern Desert: Geneifa, Ghobbet El Bous; Gebel
Elba: Mersa Halayeb.
DATES OF COLLECTION: January to September.

Genus **IRWINIELLA** Lyneborg

Irwiniella Lyneborg 1976: 251. Type species: *Thereva nuba*
Wiedemann, 1828, by original designation.

Irwiniella nuba (Wiedemann, 1828)

Thereva nuba Wiedemann, 1828: 559. Type locality: Egypt or Sudan [as
"Nubien"].

Irwiniella nigrifrons (Becker, 1902: 34). *Nomen nudum*.

Psilocephala nigrifrons Becker, 1902: 34.

Irwiniella taeniata (Becker, 1923: 62). *Nomen nudum*.

Psilocephala taeniata Becker, 1923: 62.

Irwiniella sudanica (Kröber, 1933: 294). *Nomen nudum*.

Psilocephala sudanica Kröber, 1933: 294.

DISTRIBUTION: AF: Chad, Ethiopia, Kenya, Nigeria, ? Senegal, Sudan.
PA: Egypt.

EGYPTIAN LOCALITIES: Upper Nile Valley: ?Aswan.

DATES OF COLLECTION: Unknown.

Genus **NEOTHEREVELLA** Lyneborg

Neotherevella Lyneborg 1978: 75. Type species: *Thereva citrina*
Becker, 1902, by original designation.

Neotherevella citrina (Becker, 1902)

Thereva citrina Becker, 1902: 35. Type locality: Egypt.

Neothereva angustifrons Kröber, 1912: 139.

DISTRIBUTION: PA: Egypt, Israel.

EGYPTIAN LOCALITIES: Coastal Strip: Burg Matrouh; Lower Nile
Valley: Abu Rowash, Burgash, Kirdassa, Mansoureyia; Eastern
Desert: Wadi Garawi; Sinai: Wadi Mouileh.

DATES OF COLLECTION: February to September.

Neotherevella macularis Wiedemann, 1828

Neotherevella macularis Wiedemann, 1828: 558. Type locality: Egypt.

Thereva macularis Wiedemann, 1828: 558.

DISTRIBUTION: AF: Mauritania. PA: Egypt.

EGYPTIAN LOCALITIES: Western Desert: Dakhla Oasis.

DATES OF COLLECTION: Unknown.

Genus **THEREVA** Latreille

Thereva Latreille 1797: 167. Type species: *Musca plebeja* Linnaeus, 1758, by subsequent monotypy.

Exapata Macquart, 1840: 26. Type species: *Exapata anthracoides* Macquart, 1840: 27, by monotypy.

Caenozona Kröber, 1912: 251. Type species: *Caenozona bicolor* Kröber, 1912: 251, by subsequent designation (Kröber 1937: 276).

Neothereva Kröber, 1912: 138. Type species: *Thereva nitidifrons* Kröber, 1913: 17, by subsequent designation (Kröber 1937: 276).

Athereva Kröber, 1925: 26. Type species: *Thereva decipiens* Kröber, 1913: 30, by subsequent designation (Kröber 1937: 277).

Reinigiellum Enderlein, 1934: 139. Type species: *Reinigiellum speculiferum* Enderlein, 1934: 139, by original designation.

Thereua: Misspelling (Agassiz, 1846: 39).

Theresa: Misspelling (Dufour, 1850: 139).

Therena: Misspelling (Loew, 1854: 1).

Therva: Misspelling (Ouchi, 1943: 483).

Thereva atra Kröber, 1913

Thereva atra Kröber, 1913: 31. Type locality: Algier & Egypt.

DISTRIBUTION: PA: Algeria, Egypt, Morocco.

EGYPTIAN LOCALITIES: Unknown.

DATES OF COLLECTION: Unknown.

Thereva fulvicornis Kröber, 1924

Thereva fulvicornis Kröber, 1924: 105. Type locality: Egypt (Alexandria).

DISTRIBUTION: PA: Egypt.

EGYPTIAN LOCALITIES: Coastal Strip: Alexandria, Burg Matrouh.

DATES OF COLLECTION: March to May.

***Thereva spilopecta* Wiedemann, 1824**

Thereva spilopecta Wiedemann, 1824: 20. Type locality: Morocco.

Thereva poeciloptera Loew, 1847: 32.

Thereva poeciloptera Loew, 1847: 32. Incorrect spelling of genus group name in original combination.

DISTRIBUTION: PA: Algeria, Egypt, Morocco, Tunisia.

EGYPTIAN LOCALITIES: Coastal Strip: Burg Mariout.

DATES OF COLLECTION: February and March.

***Thereva stigmatica* Kröber, 1912**

Thereva stigmatica Kröber, 1912: 409. Type locality: Tunis (Tanger).

DISTRIBUTION: PA: Egypt, Israel, Morocco, Tunisia.

EGYPTIAN LOCALITIES: Coastal Strip: Burg Mariout.

DATES OF COLLECTION: March to May.

***Thereva tuberculata* Loew, 1847**

Thereva tuberculata Loew, 1847: 13. Type locality: Italy (Sicily, near Messina and Syracuse).

Thereva algerica Kröber, 1913: 24. Type locality: Algeria.

DISTRIBUTION: PA: Algeria, Egypt, Corse, Italy (Sicily).

EGYPTIAN LOCALITIES: Coastal Strip: Dekheila, Mariout.

DATES OF COLLECTION: May.

***Thereva unica* (Harris, 1780)**

Sylvicola unicus Harris, 1780: 103. Type locality: ?England.

Bibio lugubris (Fabricius, 1787: 328). Type locality: "Kiliae".

Thereva albipennis Meigen, 1820: 119. Type locality: not given (?Germany).

Thereva bipunctata Meigen, 1820: 121. Type locality: not given (?Germany).

Thereva albilabris Meigen, 1820: 122. Type locality: Austria [as "Oesterreich"].

Thereva canescens Zetterstedt, 1859: 4971 (as var. of *unica*). Type locality: Sweden.

Neothereva frontata (Kröber, 1912: 140). Type locality: Europe [as "Europa"].

Thereva vulpina Kröber, 1912: 696. Type localities: Austria, Germany & Hungary [as "Oesterreich, Ungarn, Deutschland"].

Neothereva hermaphrodita Becker, 1922: 33. Type localities: Denmark & France [as "Insel Bornholm; Arachon, südlich von Bordeaux"].

DISTRIBUTION: PA: ?Egypt, Europe.

EGYPTIAN LOCALITIES: ?Coastal Strip: ?Mariout.
DATES OF COLLECTION: March.

Genus **XESTOMYZINA** Kröber

Xestomyzina Kröber, 1912: 10. Type species: *Xestomyzina aureostriata*
Kröber, 1912, by monotypy.

Xestomyzina aureostriata Kröber, 1912: 10. Type localities: Syria &
Palestine [as "Syrien, Jerusalem"].
DISTRIBUTION: PA: Egypt, Israel, Syria, Palestine.
EGYPTIAN LOCALITIES: Unknown.
DATES OF COLLECTION: Unknown.

Xestomyzina melanostoma (Loew, 1856)
Thereua melanostoma Loew, 1856: 33. Type locality: Egypt [as
"Aegypten"].
Xestomyzina aegyptiaca Kröber, 1924: 88.
DISTRIBUTION: PA: Egypt, Israel.
EGYPTIAN LOCALITIES: Coastal Strip: Burg Mariout.
DATES OF COLLECTION: February and March.

REFERENCES

- Agassiz, J. L. R. (1846a). *Nomina systematica generum dipterorum*. [Pt 4], 42 pp. In his *Nomenclator zoologicus ...* Fasc. 9/10. Soloduri [= Solothurn, Switzerland].
- Agassiz, J. L. R. (1846b). *Nomenclatoris zoologici index universalis, continens nomina systematica classium, ordinum, familiarum et generum animalium omnium, tam viventium quam fossilium, secundum ordinem alphabeticum unicum disposita, adjectis homonymiis plantarum, nec non variis adnotationibus et emendationibus*. [= Fasc. XII]. Jent & Gassmann, Soloduri [= Solothurn, Switzerland]. viii + 393 pp.
- Arias, J. (1914a). Descripciones de nuevos "Midasidos" de España y del Norte de Africa. *Bol. R. Soc. Esp. Hist. Nat.* 14:176–179.
- Arias, J. (1914b). Dipteros de España. Fam. Mydaiidae. Con descripción de algunas especies del Norte de África. *Trab. Mus. Cieñe. Nat. Ser. Zool.* 15:4–40.
- Austen, E. E. (1936). New Palaearctic Bombyliidae (Diptera). *Ann. Mag. Nat. Hist.* (10) 18: 181–204.
- Austen, E. E. (1937). *The Bombyliidae of Palestine*. British Museum (Natural History), London. ix + 188 pp.
- Badrawy, H. B. M., and Mohammad, S. K. (2011). Review of *Ruppellia* Wiedemann, 1830 (Diptera: Therevidae) in the Middle East. *Zootaxa*. 3097: 35–44.
- Beck, E. A. (1909). The robber flies of America north of Mexico, belonging to the subfamilies Leptogastrinae and Dasypogoninae. *Trans. Am. Ent. Soc.* 35: 137–400, 11 pls.
- Becker, T. (1902). Aegyptische Dipteren. *Mitt. Zool. Mus. Berl.* 2:1 66, 1 pl.; 67 195, 4 pls.
- Becker, T. (1903a). Die paläarktischen Formen der Gattung *Mulio* Latreille (Dipt.) [part]. *Z. Syst. Hymen. Dipt.* 3: 17–96.

- Becker, T. (1903b). Die paläarktischen Formen der Gattung *Mulio* Latreille (Dipt.) [part]. *Z. Syst. Hymen. Dipt.* 3: 89–96.
- Becker, T. (1903c). *Katalog der palaarktischen Dipteren*. Vol. 2, Budapest. 396 pp.
- Becker, T. (1906a). Die Ergebnisse meiner dipterologischen Frühjahrsreise nach Algier und Tunis 1906 [part]. *Z. Syst. Hymen. Dipt.* 6: 1–16.
- Becker, T. (1906b). Die Ergebnisse meiner dipterologischen Frühjahrsreise nach Algier und Tunis 1906 [part]. *Z. Syst. Hymen. Dipt.* 6: 97–114.
- Becker, T. (1906c). Die Ergebnisse meiner dipterologischen Frühjahrsreise nach Algier und Tunis 1906 [part]. *Z. Syst. Hymen. Dipt.* 6: 145–158.
- Becker, T. (1906d). Die Ergebnisse meiner dipterologischen Frühjahrsreise nach Algier und Tunis 1906 [part]. *Z. Syst. Hymen. Dipt.* 6: 353–367.
- Becker, T. (1906e). Die Ergebnisse meiner dipterologischen Frühjahrsreise nach Algier und Tunis 1906 [part]. *Z. Syst. Hymen. Dipt.* 6: 273–406.
- Becker, T. (1907a). Die Ergebnisse meiner dipterologischen Frühjahrsreise nach Algier und Tunis (Fortsetzung). *Z. Syst. Hymen. Dipt.* 7: 33–61.
- Becker, T. (1907b). Zur Kenntniss der Dipteren von Central Asien. I. Cyclorrhapha Schizophora Holometopa und Orthorrhapha Brachycera. *Ezheg. Zool. Muz.* 12: 253–317.
- Becker, T. (1909a). Collections recueillies par M. Maurice Rothschild dans l'Afrique orientale anglaise. Insectes: diptères nouveaux. *Bull. Mus. Natl. Hist. Nat. Paris.* 15: 113–21.
- Becker, T. (1909b). Die Dipterengattung *Apoclea* Macq. (1839). *Berl. Entomol. Zeit.* 53 (1908): 276–294.

- Becker, T. (1910). Dipteren aus Sudarabien und von der Insel Sokotra. *Denkschr. Akad. Wiss. Wien.* 71: 131-160.
- Becker, T. (1912). Beitrag zur Kenntnis der Thereviden. *Verhand. Kais. Zool. Gesele. Wien.* 62: 289-319.
- Becker, T. (1913). Genera Bombyliidarum. *Ezheg. Zool. Muz.* 17: 421-502.
- Becker, T. (1914). Diptères nouveaux récoltés par MM Ch. Alluaud et R. Jeannel en Afrique orientale. *Ann. Soc. Entomol. Fr.* 83: 121-30.
- Becker, T. (1915). Dipteren aus Tunis in der Sammlung des Ungarischen National Museums. *Ann. Hist.-Nat. Mus. Natl. Hung.* 13: 301-30.
- Becker, T. (1916). Beiträge zur Kenntnis einiger Gattungen der Bombyliiden. *Ann. Hist.-Nat. Mus. Natl. Hung.* 14: 17-67.
- Becker, T. (1922). Wissenschaftliche Ergebnisse der mit Unterstützung der Akademie der Wissenschaften in Wien aus der Erbschaft Treitl von F. Werner unternommenen zoologischen Expedition nach dem anglo-ägyptischen Sudan (Kordofan) 1914. VI. Diptera. Mit Beiträgen von O. Duda (Habelschwerdt), P. Stein (Treptow), J. Villeneuve (Rambouillet), and H. Zerny (Wien). *Denkschr. Akad. Wiss. Wien.* (1923) 98: 57-82.
- Becker, T. (1923). Wissenschaftliche Ergebnisse der mit Unterstützung der Akademie der Wissenschaften in Wien aus der Erbschaft Treitl von F. Werner unternommenen zoologischen Expedition nach dem anglo-ägyptischen Sudan (Kordofan) 1914. VI. Diptera. *Denkschr. Akad. Wiss., Wien.* 98: 57-82.
- Becker, T. (1925). Sauter's Formosa Ausbeute: Asilinae III. (Dipt.). *Entomol. Mitt.* 14: 62-85.
- Becker, T., and Stein, P. (1912). Persische Dipteren von den Expeditionen des Herrn N. Zarudnyj 1898 und 1901. *Bull. Acad. Imp. Sci. St. Pétersbourg* 12: 604-05.

- Becker, T., and Stein, P. (1913). Persische Dipteren von den Expeditionen des Herrn N. Zarudny 1898 und 1901. *Ezheg. Zool. Muz.* 17: 503–654.
- Becker, T., Bezzi, M., Bischof, J., Kertész, K., and Stein, P. (1903). *Katalog der paläarktischen Dipteren*. Band II. Orthorrhapha Brachycera. [No publisher given], Budapest. 396 p.
- Bequaert, M (1961). Mydaiidae palearctiques nouvelles ou peu connues. *Bull. Inst. R. Sci. Nat. Belg.* 37: 1–36.
- Berthold, A. A. (1827). *Natürliche Familien des Thierreichs [German translation of Latreille, P.A.: Familles naturelles du règne animal ..., 1825]*. Weimar. 606 pp.
- Bezzi, M (1902). Neue Namen für einige Dipteren Gattungen. *Z. Syst. Hymenopt. Dipterol.* 2: 190–192.
- Bezzi, M (1903). *Katalog der Paläarktischen Dipteren. Band II. Orthorrhapha Brachycera*, Budapest, Hungary. 396 pp.
- Bezzi, M (1906). Ditteri Eritrei raccolti dal Dott. Andreini e dal Prof. Tellini, Parte Prima *Boll. Soc. Entomol. Ital.* 37(1905): 195–304.
- Bezzi, M (1908a). Eine neue *Aphoebantus* Art aus den palaearktischen Faunengebiete. (Dipt.). *Z. Syst. Hymen. Dipt.* 8: 26–36.
- Bezzi, M (1908b). Diagnoses d'espèces nouvelles de Dipteres. *Ann. Soc. Ent. Belg.* 52: 374–388.
- Bezzi, M (1910). Revisio systematics generis dipterorum *Stichopogon*. *Ann. Hist. Nat. Mus. Nat. Hung.* 8: 129–159.
- Bezzi, M (1911). Asilides recueillis par MA. Weiss dans l'île de Djerba (Tunisie). *Bull. Mus. Natl. Hist. Nat.* 6(1910): 313–318.
- Bezzi, M (1912). Report on a collection of Bombyliidae (Diptera) from central Africa, with description of new species. *Trans. Entomol. Soc. Lond.* 1911: 605–56.

- Bezzi, M (1914). Ditteri raccolti dal Prof. Silvestri durante il suo viaggio in Africa del 1912-13. *Boll. Lab. Zool. Gen. Agrar., Portici.* 8: 279-308.
- Bezzi, M (1915). Ditteri raccolti nella Somalia italiana meridionale. Missione scientifica Stefanini Paoli nella Somalia italiana meridionale. *Redia.* 10(1914): 219-233.
- Bezzi, M (1920). Ditteri raccolti de Leonardo Fea durante il suo viaggio nell'Africa occidentale. Parte II: Bombyliidae. *Ann. Mus. Civ. Stor. Nat. Giacomo Doria.* 49: 98-114.
- Bezzi, M (1921a). On the bombyliid fauna of South Africa (Diptera) as represented in the South African Museum. *Ann. S. Afr. Mus.* 18: 1-180.
- Bezzi, M (1921b). Note sur le genre *Perissocerus* Gerst. (Dipt.) avec description d'une espèce nouvelle. *Bull. Soc. Hist. Nat. Afr. Nord.* 12: 136-142.
- Bezzi, M (1922a). Materiali per lo studio della fauna Tunisina raccolti da G. e L. Doria. *Ann. Mus. Civ. Stor. Nat. Giacomo Doria.* 50: 97-139.
- Bezzi, M (1922b). Contributo allo studio della fauna Libica. Ditteri di Cirenaica. Raccolti dal Rev. Miss. Don Vito Zanon. *Mem. Soc. Entomol. Ital.* 1: 140-57.
- Bezzi, M (1924a). *The Bombyliidae of the Ethiopian Region.* British Museum (Natural History), London. 390 pp.
- Bezzi, M (1924b). Missione del Dr. E. Festa in Cirenaica. XI. Ditteri di Cirenaica. *Boll. Mus. Zool. Anat. Comp. R. Univ. Torino* 39(18): 1-26.
- Bezzi, M (1925). Quelques notes sur les bombyliides (Dipt.) d'Égypte, avec description d'espèces nouvelles. *Bull. Soc. R. Entomol. Égypte.* 8 (1924): 159-242.
- Bezzi, M (1926). Notes additionnelles sur les Bombyliidae (Dipt.) d'Égypte. *Bull. Soc. R. Entomol. Égypte.* 9(1925): 244-273.

- Bigot, J M F. (1857). Essai d'une classification générale et synoptique de l'ordre des Insectes Diptères. *Ann. Soc. Entomol. Fr.* (3) 5: 517-564.
- Bigot, J M F. (1859). Diptères de Madagascar, 2. partie. *Ann. Soc. Entomol. Fr.* (3) 7: 415-440 (415-428).
- Bigot, J M F. (1860). [Dix espèces remarquables de diptères nouveaux récoltés par M Bellier de la Chavignerie durant son voyage entomologique en Sicile (1859)]. *Bull. Soc. Entomol. Fr.* (3) 8: viii.
- Bigot, J M F. (1861). Diptères de Sicile recueillis par M E. Bellier de la Chavignerie et description de onze espèces nouvelles. *Ann. Soc. Entomol. Fr.* (3) 8: 765-84.
- Bigot, J M F. (1862). Diptères nouveaux de la Corse découverts dans la partie montagneuse de cette Île par M E. Bellier de la Chavignerie, pendant l'été de 1861. *Ann. Soc. Entomol. Fr.* (4) 2: 109-14.
- Bigot, J M F. (1876). [Diagnose d'un nouveau genre de diptères]. *Bull. Bimens. Soc. Entomol. Fr.* 1876(7): 71.
- Bigot, J M F. (1886). [Diagnoses nouvelles d'un genre et d'une espèce de l'ordre des diptères]. *Bull. Bimens. Soc. Entomol. Fr.* 12: ciii-civ.
- Bigot, J M F. (1887). [Diagnoses d'un genre nouveau et d'une espèce nouvelle de l'ordre de diptères]. *Bull. Bimens. Soc. Entomol. Fr.* 1887(3): xxxi.
- Bigot, J M F. (1888). Énumération des diptères recueillis en Tunisie dans la mission de 1884 par M Valéry Mayet, membre de la Mission de l'Exploration Scientifique de la Tunisie, et description des espèces nouvelles, p. 1-11. In: *Exploration Scientifique de la Tunisie. Zoologie.* Imprimerie National, Paris.
- Bigot, J M F. (1892). Diptères nouveaux ou peu connus. 37e partie. XLVI Bombyliidi (mihi) 1re partie. *Ann. Soc. Entomol. Fr.* 61: 321-76.
- Blanchard, E. (1840). Diptera. In: *Histoire naturelle des animaux articulés, annélides, crustacés, arachnides, myriapodes et insectes* (Laporte, F. L., Ed): 1 672, 72 pls. (577-580, pl. 3). Tome 3 [Castelneau instead of Laporte sensu Hull, 1962]. Paris.

- Bowden, J (1964). The Bombyliidae of Ghana. *Mem. Entomol. Soc. South. Afr.* 8: 1-159.
- Bowden, J (1975). Studies in African Bombyliidae. X Taxonomic problems relevant to a catalogue of Ethiopian Bombyliidae with descriptions of new genera and species. *J. Entomol. Soc. South. Afr.* 38: 305-20.
- Bromley, S. W. (1947). New South African Asilidae (Diptera). *Ann. Durban Mus.* 3: 109-117.
- Brullé, G. A. (1833). IV^e classe. Insectes. In: *Expédition scientifique de Morée. Section des sciences physiques* (Bory de Saint Vincent, Ed): 289-336. Tome III. Partie 1. Zoologie. Sect. 2. Des animales articulés. Livraison 7. Levrault, Paris & Strasbourg
- Carrera, M (1949). Contribuicao conhecimento dos Asilidae Neotropicais (Diptera). I. Sobre as especies brasileiras com esporae na tibia. *Arq. Zool. São Paulo.* 7: 1-148.
- Carrera, M, and Papavero, N. (1962). Saropogonini neotropicais (Diptera, Asilidae, Dasypogoninae). *Stud. Entomol.* 5(1-4): 39-64.
- Cockerell, T. D. A. (1916). Some American fossil insects. *Proc. U.S. Natl. Mus.* 51: 89-106.
- Coquillett, D. W. (1910). The type species of the North American genera of Diptera. *Proc. U.S. Nat. Mus.* 37:499-647.
- Costa, A. (1844). Descrizione di dodici specie nuove ordine de Ditteri ed illustrazione di altre quattordici meno ovvie. *Atti Accad. Sci. Fis.-Mat. Napoli.* (1)5(2): 81-107.
- Costa, A. (1857). Contribuzione alla fauna ditterologica italiana. *Giambattista Vico.* 2: 438-460.
- Costa, A. (1863). Nuovi studie sulla entomologia della Calabria Ulteriore. *Atti Accad. Sci. Fis.-Mat. Napoli.* 1(2): 1-80.
- Costa, A. (1883). Notizie ed osservazioni sulla Geo Fauna Sarda. Memoria seconda. Risultamento di ricerche fatte in Sardegna nella

primavera del 1882. *Atti Accad. Sci. Fis.-Mat. Napoli*. (2) 1(2): 1-109.

Costa, A. (1884). Notizie ed osservazioni sulla geo fauna Sarda. Memoria terza. Risultamento delle ricerche fatte in Sardegna nella estate del 1883. *Atti Accad. Sci. Fis.-Mat. Napoli*. (2) 1(9): 1-64.

Costa, A. (1893). Miscellanea entomologica. Mem. quarta. *Atti R. Accad. Sci. Fis.-Mat. Napoli* (2). 5(14): 1-30.

Coquillett, D. W. (1895). The bombyliid genus *Acreotrichus* in America. *Psyche*. 7: 273.

Coquillett, D. W. (1886a). The North American species of *Toxophora*. *Entomol. Am.* 1: 221-22.

Coquillett, D. W. (1886b). The North American genera of Anthracina. *Can. Entomol.* 18: 157-59.

Coquillett, D. W. (1887). Notes on the genus *Exoprosopa*. *Can. Entomol.* 19: 12-14.

Coquillett, D. W. (1894). Notes and descriptions of North American Bombyliidae. *Trans. Am. Entomol. Soc.* 21: 89-112.

Coquillett, D. W. (1910). The type species of the North American genera of Diptera. *Proc. U.S. Natl. Mus.* 37: 499-647.

Cresson, E. T. (1915). A new genus and some new species belonging to the dipterous family Bombyliidae. *Entomol. News*. 26: 200-07.

Curtis, J. (1824). *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. Part 2 [plates 6-10].* Published by the author, London.

De Geer, C. (1776). *Mémoires pour servir à l'histoire des insectes. Tome sixième.* P. Hesselberg, Stockholm. viii + 523 pp.

- Dikow, T. (2003). Revision of the genus *Euscelidia* Westwood, 1850 (Diptera: Asilidae: Leptogastrina). *Afr. Invertebr.* 44 (2): 1–131.
- Dikow, T. (2004). Family group names in the Asilidae (Diptera). *Stud. Dipterol.* 10(2): 459–471.
- Dikow, T. (2009). Phylogeny of Asilidae inferred from morphological characters of imagines (Insecta, Diptera, Brachycera, Asiloidea). *Bull. Am. Mus. Nat. Hist.* 319: 1–175.
- Dufour, L. (1850). Description et iconographie des quelques diptères de l'Espagne. *Ann. Soc. Entomol. Fr.* 8: 131–155.
- Dusa, L. (1966). Noi contributii la cunoasterea bombiliidelor (Diptere Brachicere) din România (VI). *Stud. Univ. Babes-Bolyai (Biol.)*. 1: 67–71.
- Efflatoun, H. C. (1927). A new species of *Cerdistus* (Dipt., Asilidae) from Egypt. *Bull. Soc. R. Entomol. Égypte.* 10(1926): 98–101.
- Efflatoun, H. C. (1929). New species of *Promachus* from Egypt (Diptera: Asilidae). *Bull. Soc. R. Entomol. Égypte.* 13: 65–74.
- Efflatoun, H. C. (1934). A monograph of Egyptian Diptera. Part IV, Family Asilidae (Section I). *Mem. Soc. R. Entomol. Égypte.* 4(2): 1–198 pp., 3 pls.
- Efflatoun, H. C. (1937). A monograph of Egyptian Diptera. Part IV, Family Asilidae (Section II). *Mem. Soc. R. Entomol. Égypte.* 4(3): 199–443 pp., 4–8 pls.
- Efflatoun, H. C. (1945). A monograph of Egyptian Diptera. Part IV, Family Bombyliidae. Section I: Subfamily Bombyliidae Homeophthalmæ. *Bull. Soc. Fouad 1^{er} Entomol.* 29: 1–483.
- Egger, J. (1859). Dipterologische Beiträge. *Verh. Zool.-Bot. Ges. Wien.* 9: 387–407.
- El Hawagry, M. S. (1998). Two new species of genus *Anthrax* Scopoli (Bombyliidae Diptera) from Egypt. *Bull. Entomol. Soc. Egypt.* 79: 107–114.

- El Hawagry, M S. (2001). Revision of the genus *Xeramoeba* Hesse (Bombyliidae, Diptera) from Egypt, with description of a new species. *Stud. Dipterol.* 8 (1): 153-159.
- El Hawagry, M S. (2002a). Distribution, activity periods, and an annotated list of the bee flies of Egypt. *Efflatounia.* 2: 21.
- El Hawagry, M S. (2002b). Three new species of anthracine bee flies (Diptera: Bombyliidae) from Egypt. *Zootaxa.* 111: 1-8.
- El Hawagry, M S. (2007). Review of the tribe Aphoebantini Becker (Bombyliidae, Diptera) from Egypt, with description of a new species. *Zootaxa.* 1630: 47-54.
- El Hawagry, M S. (2008). First record of *Cyllenina marginata* Loew (Cythereinae, Bombyliidae, Diptera) from Egypt, with lectotype designations for some cythereine species. *Bull. Entomol. Soc. Egypt.* 85: 215-224.
- El Hawagry, M S. (2009). A new species of *Antonia* Loew (Bombyliidae, Diptera) from Egypt. *Egypt. J. Biol.* 11: 1-5.
- El Hawagry, M S., and Greathead, D. J (2006). Review of the genus *Villa* Lioy (Bombyliidae, Diptera) from Egypt, with descriptions of two new species. *Zootaxa.* 1113: 21-32.
- El Hawagry, M S., El Moursy, A. A., Gilbert, F., and Zalat, S. (2000). The Tribe Anthracini Latreille (Bombyliidae, Diptera) from Egypt. *Egypt. J. Biol.* 2: 97-117.
- El Moursy, A., Gilbert, F., Zalat, S., and El Hawagry, M (1999). Foraging behaviour of anthracine flies (Diptera Bombyliidae) in Southern Sinai, Egypt. *Egypt. J. Biol.* 1: 87-95.
- Enderlein, G. (1914a). Dipterologische Studien. XII. Zur Kenntnis der Asiliden Subfamilien Dasypogonidae und Archilaphriinae. *Wien. Entomol. Ztg.* 33: 151-174.
- Enderlein, G. (1914b). Dipterologische Studien. X Zur Kenntnis der Stratiomyiden mit 3astiger Media und ihre Gruppierung B. Formen, bei denen der 1. Cubitalast mit der Discoidalzelle eine

- Streckeversmolzen ist (Familien: Hermetiinae, Clitellariinae).
Zool. Anz. 44: 1-25.
- Enderlein, G. (1934). Entomologische Ergebnisse der Deutsch
Russischen Alai Pamir Expedition 1928 (III). 1. Diptera. *Berl.
Entomol. Zeit.* 1933(2-3): 129-176.
- Engel, E. O. (1925). Additional note to my paper on Egyptian Asilids,
with description of a n.g. and n.sp. (Dipt.). *Bull. Soc. Entomol.
Egypte.* 9: 139-144.
- Engel, E. O. (1925-1930). 24. Asilidae. In: *Die Fliegen der Paläarktischen
Region* (Lindner, E., Ed): 1-491. Band IV(2), [9 parts: 1925-1930].
- Engel, E. O. (1926). Die afrikanische Asilidengattung *Gonioscelis* Schin.
(Dipt.). *Mitt. Zool. Mus. Berlin.* 12: 161-176.
- Engel, E. O. (1927). Notes on some Asilinae of the South African region.
Ann. Trans. Mus. 12: 132-180.
- Engel, E. O. (1930). Die Ausbeute der deutschen Chaco Expedition
1925/1926. Asilidae. (Diptera). *Konowia.* 8 (1929): 457-474.
- Engel, E. O. (1932-1937). Bombyliidae. In: *Die Fliegen der
palaearktischen Region* (Lindner, E., Ed). Vol. 4, pt. 3. E.
Schweizerbart, Stuttgart.
- Evenhuis, N. L. (1977). New North American Bombyliidae (Diptera)
with notes on described species. *Entomol. News.* 88: 121-26.
- Evenhuis, N. L. (1978a). New species and a new subgenus of *Bombylius*
(Diptera: Bombyliidae). *Entomol. News.* 89: 33-38.
- Evenhuis, N. L. (1978b). Homonymy notes in the Bombyliidae (Diptera)
I. *Entomol. News.* 89: 101-02.
- Evenhuis, N. L. (1978c). Homonymy notes in the Bombyliidae (Diptera)
III. *Entomol. News.* 89: 247-48.
- Evenhuis, N. L. (1986). *The genera of the Phthiriinae of Australia and the
New World.* Published by the author, Honolulu. 57 pp.

- Evenhuis, N. L. (1990). Systematics and evolution of the genera of the subfamilies Usiinae and Phthiriinae of the world (Diptera: Bombyliidae). *Entomonograph*. 11[1989]: 1–72.
- Evenhuis, N. L. (1991). World catalog of genus group names of bee flies (Diptera: Bombyliidae). *Bishop Mus. Bull. Entomol.* 5: vii + 105 pp.
- Evenhuis, N. L. (2000). Revision of the ‘microbombyliid’ genus *Doliopteryx* Hesse (Diptera: Mythicomyiidae). *Cimbebasia*. 16: 117–35.
- Evenhuis, N. L. (2002). Catalog of the Mythicomyiidae of the world. *Bishop Mus. Bull. Entomol.* 10: 1–85.
- Evenhuis, N. L., and Greathead, D. J. (1999). *World catalog of bee flies (Diptera: Bombyliidae)*. Leiden: Backhuys Publishers. 753 pp.
- Eversmann, E. (1855). Beiträge zur Lepidopterologie Russlands, und Beschreibung einiger anderen Insecten aus den südlichen Kirgisensteppen, den nördlichen Ufern des Aral Sees und des Sir Darja's. *Bull. Soc. Imp. Sci. Nat. Moscou*. 27: 174–205.
- Fabricius, J. C. (1781). *Species insectorvm exhibentes eorvm differentias specificas, synonyma, avctorvm, loca natalia, metamorphosin adiectis observationibvs, descriptionibvs*. Tome II. C.E. Bohnii, Hambvrgi et Kilonii [= Hamburg & Cologne]. 517 pp.
- Fabricius, J. C. (1787). *Mantissa insectorvm sistens species nyper detectas adiectis characteribvs genericis, differentiis specificis, emendationibvs, observationibvs*. Tome II. Hafniae [= Copenhagen]. 382 pp.
- Fabricius, J. C. (1794). *Entomologia systematica emendata et aucta. Secundum classes, ordines, genera, species adjectis synonymis, locis, observationibus, descriptionibus*. Tome IV. C.G. Proft, Hafniae [= Copenhagen]. [6] + 472 + [5] pp.
- Fabricius, J. C. (1798). *Supplementum entomologiae systematicae*. C.G. Proft et Storch, Hafniae [= Copenhagen]. [4] + 572 pp.

- Fabricius, J. C. (1805). *Systema antliatorum secundum ordines, genera, species adiecta synonymis, locis, observationibus, descriptionibus*. C. Reichard, Brunsvigae [= Brunswick]. xiv + [15]–372 + [1] + 30 pp.
- Fallén, C. F. (1814). *Anthracides Sveciae. Quorum descriptionem Cons. Ampl. Fac. Phil. Lund. In Lyceo Carolino d. XXI Maji MDCCCXIV. Berlingianis, Lundae [= Lund]. pp. 1–8.*
- Fourcroy, A. (1785). *Entomologia parisiensis; sive catalogus insectorum quae in agro parisiensi reperiuntur; secundum methodum Geoffroeanam in sectiones, genera & species distributus: cui addita sunt nomina trivialia & fere trecentae novae species. Via et Aedibus Serpentineis, Parisiis [= Paris]. viii + [1] + 544 pp.*
- François, F. J. J. (1961). *Acanthogeron efflatounbeyi* nom. nov. (Diptera, Bombyliidae). *Ann. Soc. R. Entomol. Belg.* 97: 312.
- François, F. J. J. (1964). Récoltes de M. A. Villiers dans les dunes côtières du Sénégal (1961). Diptères Bombyliidae. *Bull. Inst. Fr. Afr. Noire (A)*. 26: 924–43.
- François, F. J. J. (1967a). Quelques Bombyliidae (Diptera) d'Israël. *Ann. Soc. R. Entomol. Belg.* 103: 276–82.
- François, F. J. J. (1967b). Bombyliidae (Diptera) meconnus: 1. *Thyridanthrax fimbriatus* (Meig) et *Th. indianus* n. sp. *Ann. Soc. R. Entomol. Belg.* 103: 289–93.
- François, F. J. J. (1969). Bombyliidae (Diptera) from southern Spain, with descriptions of twelve new species. *Entomol. Medd.* 37: 107–60.
- François, F. J. J. (1970). Bombyliidae (Diptera) palearctiques du Musée Zoologique de Munich. *Ann. Soc. R. Entomol. Belg.* 106: 189–202.
- François, F. J. J. (1972). Revision taxonomique des Bombyliidae du Senegal (Diptera: Brachycera). Deuxième partie. *Bull. Inst. R. Sci. Nat. Belg.* 48(3): 1–39.
- Frey, R. (1934). Diptera Brachycera von den Sunda Inseln und Nord Australien. *Revue Suisse Zool.* 41(15): 299–339 (311–318).

- Frey, R. (1936). Die Dipterenfauna der Kanarischen Inseln und ihre Probleme. *Commentat. Biol. Soc. Sci. Fenn.* 6, 237 pp.
- Frey, R. (1937). Über orientalische Leptogaster Arten (Dipt., Asilidae). *Not. Entomol.* 17: 38-52.
- Frey, R. (1945). Tiergeographische Studien über die Dipteren fauna der Azoren. 1. Verzeichnis der bisher von den Azoren bekannten Dipteren. *Commentat. Biol. Soc. Sci. Fenn.* (1944), 8(10): 114 pp.
- Geller Grimm, F. (2002). Robber flies (Diptera: Asilidae) of the Socotra Archipelago, Yemen. *Fauna of Arabia.* 19: 467-489.
- Geller Grimm, F. (2004). A world catalogue of the genera of the family Asilidae (Diptera). *Stud. Dipterol.* 10 (2): 473-526 (2003).
- Gerstaecker, A. (1868). Systematische Uebersicht der bis jetzt bekannt gewordenen Mydaiden (*Mydasii* Latr.). *Stett. Entomol. Ztg.* 29:65-103.
- Gistel, J N. F. X (1848). *Naturgeschichte des Thierreichs, für höhere Schulen.* R. Hoffman, Stuttgart. xvi + 216 + [4] pp.
- Gmelin, J F. (1790). *Caroli a Linné, systema naturae per regna tria naturae secundum classes, ordines, genera, species, cum characteribus, differentiis, synonymis, locis. Editio decima tertia, aucta, reformata.* Pars V. P. 2225-3020. G.E. Beer, Lipsiae [= Leipzig].
- Greathead, D. J (1967). The Bombyliidae (Diptera) of northern Ethiopia. *J. Nat. Hist.* 1: 195-284.
- Greathead, D. J (1970). Notes on Bombyliidae (Diptera) from the southern borderlands of the Sahara with descriptions of new species. *J. Nat. Hist.* 4: 89-118.
- Greathead, D. J (1980). Insects of Saudi Arabia. Diptera: Fam Bombyliidae. In: *Fauna of Saudi Arabia* (Wittmer, W., and Büttiker, W., Eds): 2: 291-337. Pro Entomologica, Basle, Switzerland. 443 + 5 pp.

- Greathead, D. J (1981). The *Villa* group of genera in Africa and Eurasia with a review of the genera comprising *Thyridanthrax* sensu Bezzi 1924 (Diptera: Bombyliidae). *J. Nat. Hist.* 15: 309–26.
- Greathead, D. J (1988). Diptera: Fam. Bombyliidae of Saudi Arabia (part 2). In: *Fauna of Saudi Arabia* (Büttiker, W., and Krupp, F., Eds): 9: 90–113. Pro Entomologica, Basle, Switzerland.
- Greathead, D. J (1995). A review of the genus *Bombylius* Linnaeus s. lat. (Diptera: Bombyliidae) from Africa and Eurasia. *Entomol. Scand.* 26: 47–66.
- Greathead, D. J., and Evenhuis, N. L. (1997). Family Bombyliidae. In: *Manual of Palaearctic Diptera* (Laszlo Papp and Bela Darvas, Eds): 2: 488–511. Science Herald, Budapest.
- Greathead, D. J., and Evenhuis, N. L. (2001). Annotated keys to the genera of African Bombylioidea (Diptera: Bombyliidae, Mythicomysiidae). *Afr. Invertebr.* 42: 105–224.
- Greene, C. T. (1921). A new genus of Bombyliidae (Diptera). *Proc. Entomol. Soc. Wash.* 23: 23–24.
- Griffini, A. (1896). Antracidi del Piemonte. Studio monografico. *Ann. Accad. Agric. Torino.* 39: 1–50.
- Guérin Méneville, F. É. (1831). Insectes [plates 20 and 21]. In: *Voyage autour du monde, exécuté par ordre du Roi, sur la corvette de sa Majesté, La Coquille, pendant les années 1822, 1823, 1824 et 1825 sous le ministère de S.E.M. Le Marquis de Clermont-Tonnerre, et publié sous les auspices de son Excellence M. Le Cte De Chabrol, Ministre de la Marine et des colonies* (Duperrey, L. I., Ed): 21 pls. Histoire naturelle, zoologie. Atlas. A. Bertrand, Paris.
- Hall, J. C. (1976). The Bombyliidae of Chile. *Univ. Calif. Publ. Entomol.* 76 [1975]: 1–278.
- Hardy, G. H. (1933). Miscellaneous notes on Australian Diptera. I. *Proc. Linn. Soc. N.S.W.* 58: 408–420.
- Harris, M. (1776–1780). *An exposition of English insects ...* Decad I, pp. 1–40, 2 pls. + pls. 1–10 [1776.???.?]; Decad II, pp. 41–72, pls. 11–20

[1778.???.?]; Decads III, IV, pp. 73 99, 100 138, pls. 21 30, 31 40
[after 1779.12.24]; Decad V, pp. 139 166, pls. 41 50+ 1 pl.
[1780.???.?]. Robson Co., London 1776.

Hassan, S. A., and El Hawagry, M. S. A. (2001). A revision of the family Scenopinidae (Diptera) from Egypt. *Efflatounia* 1: 1 11.

Hermann, F. (1906). Beitrag zur Kenntnis der Asiliden (II.). (Dipt.). *Z. Syst. Hymen. Dipt.* 6: 129 144.

Hermann, F. (1907). Einige neue Bombyliiden der palaearktischen Fauna. (Dipt.). *Z. Syst. Hymen. Dipt.* 7: 193-202.

Hermann, F. (1909). Diptera aus der Sinaihalbinsel. In: *Zoologische Ergebnisse zweier in den Jahren 1902 und 1904 durch die Sinaihalbinsel unternommener botanischer Studienreisen, nebst zoologischen Beobachtungen aus Ägypten, Palästina und Syrien* (Kneucker, A., Ed): 21: 147-60. Verh. Naturwiss. Ver. Karlsruhe.

Hermann, F. (1912). *Beiträge zur Kenntnis der sudamerikanischen Dipteren-Fauna auf Grund der Sammelergebnisse einer Reise in Chile, Peru und Bolivia, ausgeführt in den Jahren 1902-1904 von W. Schnuse*. Nova Acta Acad. Caesar. Leop. Carol. 96, 275 pp.

Hermann, F. (1920). Beitrag zur allgemeinen Systematik der Asiliden. *Zool. Jahrb. (Syst.)*. 43: 161 194.

Hermann, F. (1926). Beitrag zur Kenntnis der Asiliden. Der Verwandtschaftskreis des Gen. Holocephala Jännicke. *Verh. Zool-Bot. Ges. Wien.* 74 75 (1924 25): 153 191.

Hesse, A. J. (1938). A revision of the Bombyliidae (Diptera) of southern Africa. [I.] *Ann. S. Afr. Mus.* 34, 1053 pp.

Hesse, A. J. (1952). Contributions a l'étude des diptères del'Urundi. II. — A new genus of Bombyliidae from the Belgian Congo. *Bull. Inst. Sci. Nat. Belg.* 28(42): 1-7.

Hesse, A. J. (1956a). A revision of the Bombyliidae (Diptera) of Southern Africa. II [part]. *Ann. S. Afr. Mus.* 35: 1-464.

- Hesse, A. J (1956b). A revision of the Bombyliidae (Diptera) of Southern Africa. II [concl.]. *Ann. S. Afr. Mus.* 35: 465–972.
- Hesse, A. J (1961). Supplementary contributions to the revision of the Bombyliidae (Diptera) of Southern Africa. Synonymical notes and comments on some species and descriptions of new forms in the pale legged, pale spined and pale haired group (group 2), and the shaggy haired *micans* group (group 3) of *Bombylius*. *Rev. Fac. Ciênc. Univ. Lisboa.* (2) (C) 8: 51–95.
- Hesse, A. J (1965). Diptera (Brachycera) Bombyliidae, Cyrtosiinae. *Euanthobates*, a remarkable new genus. *S. Afr. Anim. Life.* 11: 482–84.
- Hesse, A. J (1967). Additions to the Cyrtosiinae (Bombyliidae) of South Africa. *Ann. S. Afr. Mus.* 50: 89–130.
- Hradsky, M, and Geller Grimm, F. (2005). The appendiculatus species group of *Habropogon* Loew, 1847 (Diptera: Asilidae) in the Palaearctic Region, including the description of new species. *Zootaxa.* 1004: 1–14.
- Hull, F. M (1962). *Robber flies of the world: the genera of the family Asilidae.* Parts 1–2. *U.S. Natl. Mus. Bull.* 224: xv + 907 pp.
- Hull, F. M (1973). Bee flies of the world. The genera of the family Bombyliidae. *Bull. U.S. Natl. Mus.* 286: 1–687.
- Jacobsen, G. G. (1908). Un nouveau genre des Asilidae de la Russie (in russe). *Ann. Mus. Zool., St. Petersbourg.* 13: 36.
- Jaenicke, F. (1867). Beiträge zur Kenntniss der europäischen Bombyliiden, Acroceriden, Scenopiniden, Thereviden und Asiliden. *Berl. Entomol. Z.* 11: 63–94.
- Jensen, H. (1832). Nova Dipterorum genera offert illustratque. *Bull. Soc. Imp. Sci. Nat. Moscou* 4: 313–42.
- Janssens, E. (1953). Contribution à l'étude des Diptères de Urundi. 4. Asilidae. *Bull. Inst. R. Sci. Nat. Belg. Entomol.* 29(42): 1–15.

- Karsch, F. A. (1888). Bericht über die durch Herrn Lieutenant Dr. Carl Wilhelm Schmidt in Ost Afrika gesammelten und von der zoologischen Abtheilung des Königlichen Museums für Naturkunde in Berlin erworbenen Dipteren. *Berl. Entomol. Z.* 31 (1887): 367-382.
- Kapoor, V., Agarwal, M., and Grewel, J (1979). On a collection of bombyliids (Diptera: Bombyliidae) from India. *Orient. Insects.* 12: 403-18.
- Kelsey, L. P. (1969). A revision of the Scenopinidae (Diptera) of the World. *Bull. U. S. Natl. Mus.* 277: 1-336.
- Kertész, K. (1909). *Catalogus dipterorum hucusque descriptorum*. Vol. V. Museum Nationale Hungaricum, Budapestini. 199 pp.
- Klug, J. C. F. (1832). *Symbolae physicae, seu icones et descriptiones insectorum, quae ex itinere per Africam borealem et Asiam occidentalem F.G. Hemprich et C.G. Ehrenberg studio novae aut illustratae redierunt*. Vol. III. Insecta. Decas tertia. C. Mittler, Berolini [= Berlin]. [183] pp., pls. 21-30.
- Kröber, O. (1912). Monographie der paläarktischen und afrikanischen Thereviden (Dipt.). [Monograph of the palearctic and African Therevidae (Diptera)], in German. *Dtsch. Entomol. Z.* 1912(1): 1-32.
- Kröber, O. (1913). Die Omphraliden. Eine Monographische Studie. *Annls. Mus. Natl. Hung.* 11: 174-210.
- Kröber, O. (1924) [1923]. Aegyptische Dipteren aus den Familien der Conopidae, Omphralidae und Therevidae. [Egyptian Diptera from the families Conopidae, Omphralidae and Therevidae], in German. *Bull. Soc. Entomol. Égypte.* 7: 57-116.
- Kröber, O. (1924-1925). 26. *Therevidae*. *Flieg. Palaearkt. Reg.* 4(3): 1-16, pl. A-B (1) [1924.04.17]; 17-32, pl. C (2) [1924.11.14]; 33-60 (3).
- Kröber, O. (1925). Neue Diptern aus Aegypten. *Bull. Soc. Entomol. Égypte.* 9: 232-243.

- Kröber, O. (1927). Aegyptische Dipteren aus den Familien der Conopidae, Therevidae, Omphralidae und Tabanidae. *Bull. Soc. Entomol. Égypte*. 20: 9 16.
- Kröber, O. (1929). Aegyptische Dipteren aus den Familien der Conopidae, Omphralidae und Therevidae. *Bull. Soc. Entomol. Égypte*. 13: 73 84.
- Kröber, O. (1933). Nachträge zu meiner Arbeit: Die Thereviden Südafrikas in dem Ann. Transvaal Museum XIV Pt. 2 1931. *Konowia Zeitschrift für Systematische Insektenkunde*. 12: 289 299.
- Kröber, O. (1937). Ein Beitrag zur Kenntnis der Omphraliden (Scenopinidae), Diptera. *Stettin. Entomol. Ztg.* 98: 211 231.
- Künckel, J P. A. (1905). Les lépidoptères limacodides et leurs diptères parasites, bombylides du genre *Systropus*. Adaptation parallèle de l'hôte et du parasite aux mêmes conditions d'existence. *Bull. Sci. Fr. Belg.* 39: 141–51.
- Lambkin, C. L., Yeates, D. K., and Greathead, D. J (2003). An evolutionary radiation of bee flies in semi arid Australia: Systematics of the Exoprosopini (Diptera: Bombyliidae). *Invertebr. Syst.* 17: 735 891.
- Larsen, T. B. (1990). *The butterflies of Egypt*. Apollo Books, Svendborg Denmark. 8 17.
- Latreille, P. A. (1797). *Précis des caractères génériques des insectes, disposés dans un ordre naturel*. Prévôt, Paris; Bourdeaux, Brive. xiv + 201 + [7] pp.
- Latreille, P. A. (1802). *Histoire naturelle, générale et particulière, des crustacés et des insectes. Tome troisième. Familles naturelles des genres. Ouvrage faisant suite à l'histoire naturelle générale et particulière, composée par Leclerc de Buffon, et rédigée par C.S. Sonnini, membre de plusieurs sociétés savantes*. Dufart, Paris. xii + 13-468 pp.
- Latreille, P. A. (1804). Tableau méthodique des insectes, pp. 129–200. In: *Nouveau dictionnaire d'histoire naturelle, appliqué aux arts, principalement à l'agriculture et à l'économie rurale et domestique*.

Tome XXIV. [Section 3:] tableaux méthodiques d'histoire naturelle. Déterville, Paris. 84 + 4 + 85 + 238 + 18 + 34 pp.

Latreille, P. A. (1805). *Histoire naturelle, générale et particulière, des crustacés et des insectes. Tome quatorzième. Familles naturelles des genres. Ouvrage faisant suite à l'histoire naturelle générale et particulière, compose par Leclerc de Buffon, et rédigée par C.S. Sonnini, membre de plusieurs Sociétés savantes.* Dufart, Paris. 432 pp.

Latreille, P. A. (1810). *Considérations générales sur l'ordre naturel des animaux composant les classes des crustacés, des arachnides, et des insectes; avec un tableau méthodique de leurs genres, disposés en familles.* F. Schoell, Paris. 444 pp.

Latreille, P. A. (1825). *Familles naturelles du règne animal, exposées succinctement dans un ordre analytique, avec l'indication de leurs genres.* Paris. 570 pp.

Lehr, P. A. (1992). "Small" genera of Robber Flies of the Subfamily Asilinae (Diptera, Asilidae). 1. Taxonomy and Ecology. *Zool. Zh.* 71: 91-105.

Lehr, P. A. (1995). Revision of robber flies of genera *Cerdistus* and *Filiolus* with description of three new genera from the Palearctic (Diptera, Asilidae, Asilinae). *Zool. Zh.* 74(1) [English translation: *Entomol. Rev.* 74(9)]. 57-75 [121-140].

Lehr, P. A. (1996). *Robber flies of the subfamily Asilinae (Diptera, Asilidae) of Palaeartic. Ecological and morphological analysis, taxonomy and evolution.* Dalnauka, Vladivostok. 184 pp.

Lepkhin, I. I. (1774). *Tagebuch der Reise durch verschiedene Provinzen des russischen Reiches in den Jahren 1768 und 1769. Aus dem russischen Übersetzt von M. Christian Heinrich Hase.* Vol. I. ix + 332 pp., 23 pls. Richter, Altenburg

Lichtwardt, B. (1903). Die Dipteren Gattung *Antiphrisson* Löw. *Ann. Hist-Nat. Mus. Natl. Hung.* 1: 102-106.

Lindner, E. (1955). Ostafrikanische Asiliden (Dipt.). *Jahresh. Ges. Natkd. Wuertt.* 110: 24-46.

- Lindner, E. (1973). Zur Kenntnis der Dipteren Fauna Südwestafrikas, II. *J. South West Afr. Sci. Soc.* 27: 73-86.
- Linnaeus, C. (1758). *Systema naturae per regna tria naturae, secundum classes, ordines, genera, species, cum characteribus, differentiis, synonymis, locis*. Tomus I. Editio decima, reformata. L. Salvii, Holmiae [= Stockholm]. 824 pp.
- Linnaeus, C. (1761). *Fauna svecicae sistens animalia sveciae regni: Mammalia, Aves, Amphibia, Pisces, Insecta, Vermes, Distributa per classes & ordines, genera & species, cum differentiis specierum, synonymis auctorum, nominibus incolarum, locis natalium*. Ed.2. Stockholm. 578 pp.
- Linnaeus, C. (1767). *Systema naturae per regna tria naturae*, Ed.13, revised 1(2). Stockholm pp. 533-1327 (1006-1009).
- Lioy, P. (1863-4). I ditteri distribuiti secondo un nuovo metodo di classificazione naturale. *Atti R. Ist. Veneto Sci. Lett. Arti* (3) 9: 187-236, 499-518, 569-604, 719-771, 879-910, 989-1027, 1311-1352.
- Loew, H. (1844). Beschreibung einiger neuen Gattungen der europäischen Dipternfauna [part]. *Stett. Entomol. Ztg.* 5: 114-30.
- Loew, H. (1846). Fragmente der Kenntniss der europäischen Arten einiger Dipteren Gattungen. *Linn. Entomol.* 1: 319-530.
- Loew, H. (1847). Über die europäischen Raubfliegen (Diptera Asilica) [part]. *Linn. Entomol.* 2: 384-568.
- Loew, H. (1848). Ueber die europäischen Raubfliegen (Diptera Asilica) [part]. *Linn. Entomol.* 3: 386-495.
- Loew, H. (1849). Ueber die europäischen Raubfliegen (Diptera Asilica) [concl.]. *Linn. Entomol.* 4: 1-155.
- Loew, H. (1851). Bemerkungen über die Familie der Asiliden. *Progr. K.Realschule Meseritz*. 1851: 1-22.
- Loew, H. (1852). [Hr. Peters legte Diagnosen und Abbildungen der von ihm in Mossambique neu entdeckten Dipteren vor, welche von Hr.

- Professor Loew bearbeitet worden sind]. *Ber. Akad. Wiss. Berl.* 1852: 658–61.
- Loew, H. (1854). Neue Beiträge zur Kenntniss der Dipteren. Zweiter Beitrag *Progr. K.Realschule Meseritz.* 1854: 1–24.
- Loew, H. (1855). Neue Beiträge zur Kenntniss der Dipteren. Dritter Beitrag *Progr. K. Realschule Meseritz.* 1855: 1–52.
- Loew, H. (1856). Neue Beiträge zur Kenntniss der Dipteren. Vierter Beitrag *Progr. K.Realschule Meseritz.* 1856: 1–57.
- Loew, H. (1857a). *Dischistus multisetosus* und *Saropogon aberrans*, zwei neue europäische Diptern. *Stett. Entomol. Ztg.* 18: 17–20.
- Loew, H. (1857b). Die bis jetzt bekannt gewordenen Arten der Gattung *Scenopinus*. *Verh. Zool.-bot. Ver. Wien.* 7: 87–90.
- Loew, H. (1858). Bidrag till kannedomen om Afrikas Diptera [part]. *Öfvers K. Vetenskapsakad. Förh.* 14(1857). 337–383 (342–367).
- Loew, H. (1860a). Bidrag till kannedomen om Afrikas Diptera [part]. *Öfvers K. Vetenskapsakad. Förh.* 17: 81–97.
- Loew, H. (1860b). Die Dipteren Fauna Südafrikas. Erste Abtheilung. *Abh. Naturwiss. Ver. Sachsen Thüringen.* 2 (1858–1861): 56–172.
- Loew, H. (1862a). Ueber griechische Dipteren. *Berl. Entomol. Z.* 6: 69–89.
- Loew, H. (1862b). Ueber einige bei Varna gefangene Dipt. *Wien. Entomol. Monatschr.* 6: 161–75.
- Loew, H. (1862c) *Monographs of the Diptera of North America.* Part I. Smithsonian Institution, Washington, D.C. xxiv + 221 pp.
- Loew, H. (1869a). Cilische Dipteren und einige mit ihnen vorkommende Arten. *Berl. Entomol. Z.* 12[1868]: 369–86.
- Loew, H. (1869b). *Beschreibungen europäischer Dipteren.* Von Johann Wilhelm Meigen. Erster Band. Systematische Beschreibung der

bekannten europäischen zweiflügeligen Insecten. Achter Theil oder zweiter Supplementband. H.W. Schmidt, Halle. xvi + 310 + [1] pp.

Loew, H. (1871). *Systematische Beschreibung der bekannten europäischen zweiflügeligen Insecten. Von Johann Wilhelm Meigen. Neunter Theil oder dritter Supplementband. Beschreibungen europäischer Dipteren. Zweiter Band.* H.W. Schmidt, Halle. viii + 319 + [1] pp.

Loew, H. (1872). *Diptera Americae septentrionalis indigena. Centuria decima.* Berl. Entomol. Z. 16: 49–124.

Loew, H. (1873). *Systematische Beschreibung der bekannten europäischen zweiflügeligen Insecten. Von Johann Wilhelm Meigen. Zehnter Theil oder vierter Supplementband. Beschreibungen europäischer Dipteren. Dritter Band.* H.W. Schmidt, Halle. viii + 320 pp.

Loew, H. (1874). *Diptera nova a Hug. Theod. Christoph collecta.* Z Ges. Naturw., Berl. 43 [=n.s. 9]: 413–420.

Londt, J. G. H. (1987). *Afrotropical Asilidae (Diptera) 14. The genus Neolophonotus Engel, 1925. Part 3. The pellitus species group (Asilinae, Asilini).* Ann. Natal Mus. 28(2): 383–454.

Lucas, P. H. (1849). *Exploration scientifique de l'Algérie pendant les années 1840, 1841, 1842 publiée par ordre du Gouvernement et avec le concours d'une Commission Académique. Sciences Physiques. Zoologie. Histoire naturelle des animaux articulés. Part III. Insectes. "1849".* A. Bertrand, Paris. 527 pp.

Lyneborg L. (1976). *A revision of the therevine stiletto flies (Diptera: Therevidae) of the Ethiopian Region.* Bull. Br. Mus. (Nat. Hist.) Entomol. 33: 189–346.

Lyneborg L. (1978). *Neotherevella, a new genus of Therevidae (Diptera) from the Palaearctic and Afrotropical Regions.* Entomol. Scand. 9: 75–76.

Lyneborg L. (1983). *A review of the Palaearctic genera of Phycinae (Insecta, Diptera, Therevidae).* Steenstrupia, 9(8): 181–205.

- Lyneborg L. (1989). Family Therevidae. Pages 11–35. In: *Catalogue of Palaearctic Diptera* (Soós Á., and Papp, L., Eds): 435 p. Vol. 6: Therevidae–Empididae, Akadémiai Kiadó [and Elsevier Science Publishers], Budapest [and Amsterdam], Hungary [Netherlands].
- Lyneborg L., and Zaitzev, V. F. (1980). *Hoplosathe*, a new genus of Palaearctic Therevidae (Diptera), with descriptions of six new species. *Entomol. Scand.* 11: 81–93.
- Macquart, P. J M (1834). *Histoire naturelle des insectes. Diptères. Ouvrage accompagné de planches. Tome premier.* N.E. Roret, Paris. 578 pp.
- Macquart, P. J M (1835). *Histoire naturelle des insectes. Diptères. Ouvrage accompagné de planches. Tome deuxième.* 710 pp.
- Macquart, P. J M (1838). Diptères exotiques nouveaux ou peu connus. Tome première. *Mém. Soc. R. Sci. Agri. Artes.* 1(2): 5–207.
- Macquart, P. J M (1840). *Diptères exotiques nouveaux ou peu connus. Tome Deuxième. -1.[re] partie,* Roret, Paris, France. 5–135.
- Macquart, P. J M (1843). *Diptères exotiques nouveaux ou peu connus. Tome deuxième. 3e partie.* Roret, Paris. 304 pp.
- Macquart, P. J M (1846). *Diptères exotiques nouveaux ou peu connus. Supplément.* N.E. Roret, Paris. pp. 5–238.
- Macquart, P. J M (1850). Diptères exotiques nouveaux ou peu connus. 4^{me} supplément. *Mém. Soc. R. Sci. Agric. Arts, Lille.* 1849: 61–96, 309–479.
- Macquart, P. J M (1855). Diptères exotiques nouveaux ou peu connus. 5^{me} supplément. *Mém. Soc. Sci. Agric. Lille (2)* 1: 25–156.
- Marschall, A. F. (1873). *Nomenclator zoologicus, continens nomina systematica generum animalium tam viventium quam fossilium, secundum ordinem alphabeticum disposita sub auspiciis et sumptibus.* C.R. Societatis zoologicobotanicae conscriptus a comite Augusto de Marschall, Vindobonae [= Vienna]. iv + 482 pp.

- Meigen, J. W. (1803). Versuch einer neuen Gattungs Eintheilung der europäischen zweiflügligen Insekten. *Mag. Insektenkd.* 2: 259–281.
- Meigen, J. W. (1804). *Klassifikation und Beschreibung der europäischen zweiflügligen Insekten (Diptera Linn.)*. Erster Band. Abt. I. xxvii + 152 p. Abt. II. Vi + pp. 153–314. Reichard, Braunschweig [= Brunswick].
- Meigen, J. W. (1818). *Systematische Beschreibung der bekannten europäischen zweiflügeligen Insekten*. Erster Theil. F.W. Forstmann, Aachen. xxxvi + 332 + [1] pp.
- Meigen, J. W. (1820). *Systematische Beschreibung der bekannten europäischen zweiflügeligen Insekten*. Zweiter Theil. F.W. Forstmann, Aachen. x + 363 pp.
- Meigen, J. W. (1824). *Systematische Beschreibung der bekannten europäischen zweiflügeligen Insekten*. Vierter Theil. Schulz Wundermann, Hamm. xii + 428 pp.
- Meigen, J. W. (1835). Neue Arten von Diptern aus der Umgegend von München, benannt und beschrieben von Meigen, aufgefunden von Dr. J. Wärtl, Professor der Naturgeschichte in Passau. *Faunus*. 2: 66–128.
- Meigen, J. W. (1838). *Systematische Beschreibung der bekannten europäischen zweiflügeligen Insekten*. Siebenter Theil oder Supplementband. Schultz, Hamm. xii + 434 + [1] pp.
- Melander, A. L. (1946). *Apolysis, Oligodranes and Empidideicus in America (Diptera, Bombyliidae)*. *Ann. Entomol. Soc. Am.* 39: 451–95.
- Mikan, J. C. (1796). *Monographia Bombyliorum Bohemiae iconibus illustrata*. J. Herrl, Pragae [= Prague]. 59 + [1] pp.
- Mohammad, S. K., and Badrawy, H. B. M. (2011). Revision of *Efflatouniella* Kröber, 1927 (Diptera: Therevidae). *Zootaxa*. 2926: 55–60.
- Mulsant, É. (1852). Note pour servir à l'histoire des *Antbrax* (insectes diptères), suivie de la description de trois espèces de ce genre,

nouvelles ou peu connues. *Mém. Acad. Sci. Belles-Lett., Lyon* (n.s.). 2: 18-24.

Newman, E. (1841). Entomological notes [part]. *Entomologist*. 1: 220-23.

Nowicki, M S. (1868). Beschreibung neuer Dipteren. *Verh. Zool.-Bot. Ges. Wien* 17: 337-54.

Nurse, C. G. (1922). New and little known Indian Bombyliidae [concl.]. *J. Bombay Nat. Hist. Soc.* 28: 883-88.

Oldroyd, H. (1947). Results of Armstrong College expedition to Siwa Oasis (Libyan desert), 1935. *Bull. Soc. Fouad 1^{er} Entomol.* 31: 113-120.

Oldroyd, H. (1980). Family Asilidae. In: *Catalog of Afrotropical Diptera* (Crosskey, R.W., Ed): 334-373, 1218, 1226, 1229. London: British Museum (Natural History).

Olivier, G. A. (1789). Insectes [pt. 5]. Vol. 4, pp. 45-331. In: *Encyclopédie methodique. Histoire naturelle*. Pancoucke, Paris.

Olivier, G. A. (1811). Insectes [(i.e., Arthropoda) Pt. 5]. Vol. 8, pp. 1-360. In: *Encyclopedie methodique. Histoire naturelle*. Paris.

d'Orbigny, C. V. D. (1845). *Dictionnaire universel d'histoire naturelle résumant et complétant tous les faits présentés par les encyclopédies les anciens dictionnaires scientifiques les oeuvres complètes de Buffon, et les meilleurs traits spéciaux sur les diverses branches des sciences naturelles; donnant la description des êtres et des divers phénomènes de la nature l'étymologie et la définition des noms scientifiques, les principales applications des corps organiques et inorganiques, à l'agriculture, à la médecine, aux arts industriels, etc.; dirigé par M. Charles d'Orbigny, et enrichi d'un magnifique atlas de 288 planches gravées sur acier. Tome sixième. [Livraison 65.]* C. Renard, Paris.

Osten Sacken, C. R. (1877). Western Diptera: descriptions of new genera and species of Diptera from the region west of the Mississippi, and especially from California. *Bull. U.S. Geol. Geogr. Surv. Terr.* 3: 189-354.

- Osten Sacken, C. R. (1886a). Diptera [part]. In: *Biologia Centrali-Americana* (Godman, F. D., and Salvin, O. Eds): 73–104. *Zoologia Insecta. Diptera. Vol. 1.* Taylor & Francis, London.
- Osten Sacken, C. R. (1886b). Diptera [part]. In: *Biologia Centrali-Americana* (Godman, F. D., and Salvin, O. Eds): 105–28. *Zoologia Insecta. Diptera. Vol. 1.* Taylor & Francis, London.
- Osten Sacken, C. R. (1887). Diptera [part]. In: *Biologia Centrali-Americana* (Godman, F. D., and Salvin, O. Eds): 129–60. *Zoologia Insecta. Diptera. Vol. 1.* Taylor Francis, London.
- Ôuchi, Y. (1943). Contributiones ad cognitionem insectorum Asiae orientalis 13. Notes on some dipterous insects from Japan and Manchoukuo. *J. Shanghai Sci. Inst.* 13: 483–492.
- Panzer, G. W. F. (1804). *D. Jacobi Christiani Schaefferi iconum insectorum circa Ratisbonam indigenorum enumeratio systematica.* J. Palmii, Erlangae [= Erlangen]. xvi + 260 pp.
- Paramonov, S. J (1926). Beiträge zur Monographie der Gattung *Bombylius* L. (Fam. Bombyliidae, Diptera). *Trudy Fiz.-Mat. Vid. Ukr. Akad. Nauk.* 3(5): 77–184.
- Paramonov, S. J (1927). Zur Kenntnis der Gattung *Hemipenthes* Lw. *Encycl. Entomol. B (II).* 3: 150–90.
- Paramonov, S. J (1928). Beiträge zur Monographie der Gattung *Exoprosopa*. *Trudy Fiz.-Mat. Vid. Ukr. Akad. Nauk.* 6(2): 181–303.
- Paramonov, S. J (1929a). Beiträge zur Monographie einiger Bombyliiden Gattungen. (Diptera). *Trudy Fiz.-Mat. Vid. Ukr. Akad. Nauk.* 11(1): 65–225.
- Paramonov, S. J (1929b). Beiträge zur Monographie einiger Bombyliiden Gattungen (Diptera). *Zb. Pra. Zool. Muz.* 6: 1–161.
- Paramonov, S. J (1930a). Beiträge zur Monographie der Bombyliiden Gattungen *Cytherea*, *Anastoechus*, etc. (Diptera). *Trudy Fiz.-Mat. Vid. Ukr. Akad. Nauk* 15(3): 355–481.

- Paramonov, S. J (1930b). Dipterologische Fragmente. XXIV. Neue Asiliden Arten. *Mém. Acad. Sci. Ukraine*. 15(2): 231 243 or 335 347.
- Paramonov, S. J (1931). Beiträge zur Monographie der Bombyliiden Gattungen *Amictus*, *Lyophlaeba* etc. (Diptera). *Trudy Prir.- Teknichn. Vidd. Ukr. Akad. Nauk* 10: 1–218.
- Paramonov, S. J (1933a). Beiträge zur Monographie der paläarktischen Arten der Gattung *Toxophora* (Bombyliidae, Diptera). *Zbirn. Prats. Zool. Muz.* 12: 33– 46.
- Paramonov, S. J (1933b). Dipterologische Fragmente. [XXVIII–XXX]. *Zbirn. Prats. Zool. Muz.* 12: 47–56.
- Paramonov, S. J (1935). Beiträge zur Monographie der Gattung *Anthrax* (Bombyliidae) [I]. *Zbirn. Prats. Zool. Muz.* 16: 3–31.
- Paramonov, S. J (1936). Beiträge zur Monographie der Gattung *Anthrax* (Bombyliidae). Pt. II. *Zbirn. Prats. Zool. Muz.* 18: 69–159.
- Paramonov, S. J (1940). [Dipterous insects. Fam. Bombyliidae (subfam. Bombyliinae)]. *Fauna SSSR*. 9(2): i–ix, 1–414.
- Paramonov, S. J (1954). Two new genera of Bombyliidae (Diptera) from the Belgian Congo. *Proc. R. Entomol. Soc. Lond. (B)* 23: 26–28.
- Paramonov, S. J (1955). A review of Australian Scenopinidae (Diptera). *Aust. J. Zool.* 3: 634 653.
- Paramonov, S. J (1957). Zur Kenntnis der Gattung *Spongostylum* (Bombyliidae, Diptera). *Eos*. 33: 123–55.
- Perris, É. (1839). Notice sur quelques diptères nouveaux. *Ann. Soc. Entomol. Fr.* 8: 47–57.
- Portschinsky, J A. (1881). Diptera europaea et asiatica nova aut minus cognita. Pars Ima [part]. *Horae Soc. Entomol. Ross.* 16: 136–45.
- Rafinesque, C. S. (1815). *Analyse de la nature ou tableau de l'univers et des corps organisés. Le nature est mon guide, et Linnéus mon maître*. [Privately published], Palermo. 224 pp.

- Richter, V. A. (1963). New species of robber flies (Dipt., Asilidae) from the Caucasus. *Entomol. Rev.* 42(2): 248-254.
- Röder, V. von. (1881). Dipterologische Notizen. 4. *Chrysopogon* n. gen., eine neue *Dasypogoniden* Gattung. 6. *Anisopogon* (*Heteropogon*) *glabellus* Löw in litt. *Berl. Entomol. Z.* 25: 213-216.
- Röder, V. von. (1887). Eine neue *Exoprosopa* aus Syrien. *Berl. Entomol. Z.* 31: 75-76.
- Rondani, C. (1846). Nota seconda per servire alla ditterologia italiana. Sul Genere *Zyphocera* del Macquart. *Annali Accad. Aspir. nat. Napoli.* 3 (1845-1846): 150-154.
- Rondani, A. C. (1850). Osservazioni sopra alcune specie di esapodi ditteri del Museo Torinese. *Nuovi Ann. Sci. Nat. Bologna.* (3) 2: 165-197.
- Rondani, C. (1856). *Dipterologiae Italicae prodromus. Vol: I. Genera Italica ordinis Dipteriorum ordinatim disposita et distincta et in familias et stirpes aggregata.* A. Stoschi, Parmae [= Parma]. 226 + [2] pp.
- Rondani, C. (1863). *Diptera exotica revisa et annotata novis nonnullis descriptis.* E. Soliani, Modena. 99 pp.
- Rondani, C. (1864). Dipteriorum species et genera aliqua exotica revisa et annotata novis nonnullis descriptis. *Arch. Zool. Anat. Fisiol.* 3(1): 1-99.
- Rondani, C. (1873). *Muscaria exotica Musei Civici Januensis observata et distincta. Fragmentum II. Species aliquae in Oriente lectae a March. J. Doria, anno 1862-63.* *Ann. Mus. Civ. Stor. Nat. Genova* 4: 295-300.
- Rosenhauer, W. G. (1856). *Die Thiere Andalusiens nach dem Resultate einer Reise zusammengestellt, nebst den Beschreibungen von 249 neuen oder bis jetzt noch unbeschriebenen Gattungen und Arten.* T. Blaesing, Erlangen. viii + 429 pp.

- Rossi, P. (1790). *Fauna etrusca, sistens Insecta quae in provinciis Florentinâ et Pisanâ praesertim collegit*. Tome secundus. T. Masi, Liburni [= Livorno]. 328 pp.
- Sack, P. (1906). Diptera, pp. 468–71. In: *Beiträge zur Insectenfauna von Tunis* (Graeffe, E., Ed): 56: 446–71. *Verh. Zool.-Bot. Ges. Wien*.
- Sack, P. (1909). Die palaearktischen Spongostylinen. *Abh. Senckenb. Naturforsch. Ges.* 30: 501–548.
- Sack, P. (1934). In: *Die Fliegen der Palaearktischen Region. Schweiz. Verlag* (Lindner, E, Ed): 4(1): 1–29.
- Say, T. (1823). Descriptions of dipterous insects of the United States. *J. Acad. Nat. Sci. Philad.* 3: 9–32.
- Schaeffer, J. C. (1768). *Icones insectorvm circa Ratisbonam indigenorvm coloribvs natvram referentibvs expressae. Natürlich ausgemahlte Abbildungen regensburgischer Insecten. Volvm. I. Pars II. Ersten Bandes 2. Theil*. H.G. Zunkel, Ratisbonae [= Regensburg]. vi + 50 + [12] pp., pls. 51–100.
- Schaeffer, J. C. (1769). *Icones insectorvm circa Ratisbonam indigenorvm coloribvs natvram referentibvs expressae. Natürlich ausgemahlte Abbildungen regensburgischer Insecten. Volvm. II. Pars I. Zweiten Bandes 1. Theil*. iv + 50p., pls. 101–150. H.G. Zunkel, Ratisbonae [= Regensburg]. vi + 50 + [12] pp., pls. 51–100.
- Schellenberg J. R. (1803). *Genres des Mouches Dipteres*. Orell and Fuesli, Zurich. 95 pp.
- Schiner, I. R. (1860a). Vorläufiger Commentar zum dipterologischen Theile der “Fauna austriaca,” mit einer näheren Begründung der in derselben aufgenommenen neuen Dipteren Gattungen. 1. *Wien. Entomol. Monatschr.* 4: 47–55.
- Schiner, I. R. (1860b). *Fauna Austriaca*. Theil I. Heft. 2: 73–184, pl. 1.
- Schiner, I. R. (1866a). Die Wiedemann'schen Asiliden, interpretirt und in die seither errichteten neuen Gattungen eingereiht. *Verh. Zool. Bot. Ges. Wien* .16 (Abhandl.): 649–722.

- Schiner, I. R. (1866b). Dipterologische Miscellen. *Verh. k. k. Zool.-Bot. Ges. Wien.* 15: 989 1000.
- Schiner, I. R. (1867). Neue oder weniger bekannte Asiliden der k. zoologischen Hofcabinetes in Wien. *Verh. Zool. Bot. Ges. Wien.* 17 (Abhandl.): 355 412.
- Schiner, I. R. (1868). Diptera. In: *Reise der osterreichischen Fregatte Novara* (Wüllerstorf Urbair, B. von, Ed): vi + 388 pp., 4 pls. Zool. 2(1) B. K. Gerold's Sohn, Wien.
- Schrank, F. V. P. (1781). *Enummeratio insectorvm Avstriae indigenorum.* V.E. Klett & Franck, Avgvstiae Vindelicorvm [= Augsburg]. xxiv + 548 + [4] pp.
- Schrank, F. von P. (1803). *Favna Boica. Durchgedachte Geschichte der in Baiern einheimischen und zahmen Thiere.* Vol. 3, Krull, Landshut. viii + 272 pp.
- Scopoli, J. A. (1763). *Entomologia carniolica exhibens insecta carnioliae, indigena et distribute in ordines, genera, species, varietates, methodo Linnaeana.* I.T. Trattner, Vindobonae [= Vienna]. [30] + 420 pp.
- Séguy, E. (1920). Les moustiques de France. *Bull. Mus. Hist. nat. Paris.* 26: 51 58.
- Séguy, E. (1928). Dipteres nouveaux de l'Afrique mineure. *Bull. Soc. Entomol. Fr.* 1928: 45 46.
- Séguy, E. (1929). Description d'un *Heterotropus* africain. *Encycl. Entomol.* (B) II 5: 62.
- Séguy, E. (1930). Contribution à l'étude des diptères du Maroc. *Mém. Soc. Sci. Nat. Phys. Maroc* 24: 1–206.
- Séguy, E. (1931). Contribution à l'étude de la fauna du Mozambique. Voyage de MP.Lesne 1928 29. Diptères. (1ère partie). *Bulletin du Museum National d'Histoire Naturelle.* (2) 2(1930): 645 656.
- Séguy, E. (1932). Diptères nouveaux ou peu connus. *Encycl. Entomol.* (B) II 6: 125–32.

- Séguy, E. (1941). Dipteres recueillis par M L. Chopard d'Alger a la Cote d'Ivoire. *Ann. Soc. Entomol. Fr.* (1940) 109: 109-130.
- Steyskal, G. C., and El Bialy, S. (1967). A list of Egyptian Diptera with a bibliography and key to families. *Tech. Bull. Minis. Agri.* 3: 12-18.
- Strobl, G. (1902). [New contributions on the Diptera fauna of the Balkan Peninsula]. *Glasn. Zemalj. Mus. Bosni Herceg.* 14(3-4): 461-517.
- Sulzer, J H (1761). *Die Kennzeichen der Insekten, nach Anleitung des Königl. Schwed. Ritters und Leibarzts Karl Linnaeus, durch XXIV. Kupfertafeln erläutert und mit derselben natürlichen Geschichte begleitet von J. H. Sulzer . . . Mit einer Vorrede des Herrn Johannes Geßners.* Heidegger und Comp., Zürich. xxviii + 203 + 68 pp., 24 pls.
- Surcouf, J M R. (1921). Diptera. Fam. Tabanidae. In: *Genera Insectorum* (Wytsman, P. A. G., Eds): 175: 1-205. 175[me] fascicle, Genera Insectorum.
- Theodor, O. (1980). *Fauna Palaestina - Insecta II - Diptera: Asilidae.* Jerusalem: The Israel Academy of Science and Humanities. 446 pp.
- Timon David, J (1951). Contribution a l'etude des Asilidae de Madagascar. I. Une nouvelle espece de Proagonistes Loew. (Dipteres). *Nat. Malgache.* 3: 159-166.
- Trautwein, MD. (2009). *Multi Multi-gene Phylogenetics to Resolve Key Areas in the Fly Tree of Life.* A dissertation submitted to the Graduate Faculty of North Carolina State University in partial fulfillment of the requirements for the Degree of Doctor of Philosophy. 137 pp.
- Trautwein, M D., Wiegmann, B. M., and Yeates, D. K. (2010). A multigene phylogeny of the fly superfamily Asiloidea (Insecta): Taxon sampling and additional genes reveal the sister group to all higher flies (Cyclorrhapha). *Mol. Phylogenet. Evol.* 56(3):918-30.
- Tsacas, L. (1968). Révision des espèces du genre Neomochtherus Osten Sacken (Asilidae). I. Région Paléarctique. *Mem. Mus. Natl. Hist. Nat. A.* 47(3): 127-328.

- Tsacas, L., and Weinberg M (1976). *Phileris* n.g de la tribu des Asilini de la sous region Mediterrantene (Diptera, Asilidae). *Trav. Mus. Nat. His. Nat. Gr. Antipa.* 17: 93 1 10
- Venturi, F. (1948). Notulae Dipterologicae. II. Sulla distribuzione geografica e cronologica delle *Usia* (Dipt. Bombyliidae) in Italia. *Redia.* 33: 127-42.
- Villeneuve, J (1904). Contribution au catalogue des diptères de France [part]. *Feuille Jeunes Nat.* 34: 69-73.
- Villeneuve, J (1910). Diptères nouveaux du Nord de l'Afrique. *Wien. Entomol. Zeit.* 29: 301 304.
- Villers, C. J (1789). *Caroli Linnaei entomologia, faunae Suecicae descriptionibus aucta; DD. Scopoli, Geoffroy, de Geer, Fabricii, Schrank, &c. speciebus vel in systemate non enumeratis, vel nuperrime detectis, vel speciebus Galliae australis locupletata, generum specierumque rariorum iconibus ornata; curante & augente Carolo de Villers, Acad. Lugd. Massil. Villa-Fr. Rhotom. necnon Geometriae Regio Professore. Tomus tertius. Piestre et Delamolliere, Lugduni [= Lyon]. xxiv + 657 pp., pls. 7-10.*
- Walker, F. (1848). *List of the specimens of dipterous insects in the collection of the British Museum.* part 1, British Museum, London. pp. 1 229.
- Walker, F. (1849). *List of the specimens of dipterous insects in the collection of the British Museum.* Parts II-IV. British Museum, London. pp. 231-1172.
- Walker, F. (1850). Diptera. In: *Insecta Saundersiana* (Saunders, W. W., Ed): 1: 1 76. Van Voorst, London, England.
- Walker, F. (1851). Diptera. Part II. In: *Insecta Saundersiana: or characters of undescribed insects in the collection of William Wilson Saunders, Esq., F.R.S., F.L.S., and c.* (Saunders, W. W., Ed): 1: 77 156, pls. 3 4. Van Voorst, London. 474 pp.
- Walker, F. (1855). *List of the specimens of dipterous insects in the collection of the British Museum.* Part VI. Supplement II. British Museum, London. Pp. 331 506.

- Walker, F. (1871a). List of Diptera collected in Egypt and Arabia, by J K. Lord, Esq., with descriptions of the species new to science [part]. *Entomologist*. 5: 255–263.
- Walker, F. (1871b). List of Diptera collected in Egypt and Arabia, by J K. Lord, Esq., with descriptions of the species new to science [part]. *Entomologist*. 5: 271–275.
- Westwood, J O. (1835). Insectorum nonnullorum novorum (ex ordine dipterorum) descriptions. *Annls Soc. entomol. Fr.* (1)4: 681–685.
- Westwood, J O. (1850). Diptera nonnulla exotica descripta. *Trans. Entomol. Soc. Lond.* (1849) 5: 231–236, pl. XXIII.
- White, A. (1918). New Australian Asilidae. With notes on the classification of the Asilinae. *R. Soc. Tasmania, Pprs Proc.* 1917: 72–103.
- Wiedemann, C. R. W. (1817). Ueber einige neue Fliegen Gattungen. *Zool. Mag.* 1(1): 57–61.
- Wiedemann, C. R. W. (1818). Aus Pallas dipterologischen Nachlasse. *Zool. Mag.* 1(2): 1–40.
- Wiedemann, C. R. W. (1819). Beschreibung neuer Zweiflügler aus Ostindien und Afrika. *Zool. Mag.* 1(3): 1–39.
- Wiedemann, C. R. W. (1820a). *Munus rectoris in Academia Christiano-Albertina interum aditurus nova dipterorum genera.* Holsatorum, Kiliae [= Kiel]. viii + 23 pp.
- Wiedemann, C. R. W. (1820b). In: *Systematische Beschreibung der bekannten Europäischen Zweiflügligen Insekten* (Meigen, JW., Ed): Vol. 2. 363 pp.
- Wiedemann, C. R. W. (1820c). *Diptera exotica.* [Ed. 1]. Sectio I. Antennis multiarticulatis. xix + 38 pp.
- Wiedemann, C. R. W. (1821a). *Diptera exotica.* [Ed. 1]. Sectio II. Antennis parumarticulatis. Kiliae [= Kiel]. iv + 101 pp.

- Wiedemann, C. R. W. (1821b). *Diptera exotica*. [Ed. 2]. Pars I. Tabulis aeneis duabus. Kiliae [= Kiel]. xix + 244 pp.
- Wiedemann, C. R. W. (1824). *Analecta entomologica. Regio Typographeo scholarum, Kiliae [=Kiel]*. 60 pp., 1 pl.
- Wiedemann, C. R. W. (1828). *Aussereuropaische zweifflugelige Insekten. Erster Theil*. Schulz, Hamm xxxii + 608 pp., 7 pls.
- Wiedemann, C. R. W. (1830). *Aussereuropaische zweifflugelige Insekten. Zweiter Theil*. Schulz, Hamm. xii + 684 pp., 5 pls.
- Wiegmann, B. M., Yeates, D. K., Thorne, J L., and Kishino, H. (2003). Time flies, a new molecular time scale for brachyceran fly evolution without a clock. *Syst. Biol.* 52: 745–756.
- Williston, S. W. (1895). New Bombyliidae. *Kans. Univ. Q.* 3: 267–69.
- Woodley, N. E. (1989). Phylogeny and classification of the Orthorrhaphous Brachycera. *Manual Nearctic Dipt.* 3: 1371–1395.
- Wulp, F. M van der. (1897). Zur Dipteren Fauna von Ceylon. *Termeszetr. Fuz.* 20: 136–144.
- Wulp, F. M van der. (1899). Asilidae from Aden and its neighbourhood. *Trans. Entomol. Soc. London.* 1899: 81–98.
- Yeates, D. K. (1994). The cladistics and classification of the Bombyliidae (Diptera: Asiloidea). *Bull. Am. Mus. Nat. Hist.* 219: 1–191.
- Zaitzev, V. F. (1962a). [Two new species of the genus *Petrorossia* Bezzi (Diptera, Bombyliidae) from Armenia]. *Dokl. Akad. Nauk Armenskoi SSR.* 34: 123–27.
- Zaitzev, V. F. (1962b). [New species of the genus *Petrorossia* Bezzi (Diptera, Bombyliidae) from Georgia]. *Soobshch. Akad. Nauk Gruzinskoi SSR.* 28: 705–08.
- Zaitzev, V. F. (1972). On types of bee flies (Diptera, Bombyliidae) described by Th. Becker from the collection of Zoological Institute of the Academy of Sciences, USSR. *Entomol. Obozr.* 51: 900–08.

- Zaitzev, V. F. (1977). A review of the palaeartic species of the genus *Salentia* A. Costa (Diptera, Therevidae) and descriptions of new species. *Trudy Zool. Inst. Leningrad.* 71: 70-78.
- Zaitzev, V. F. (1996). On the Bombyliidae (Diptera) of Israel. II. *Entomol. Obozr.* 75: 686-97.
- Zaitzev, V. F. (1997). On the Bombyliidae (Diptera) of Israel. III. *Entomol. Obozr.* 76: 892-913.
- Zaitzev, V. F., and Kandybina, M. N. (1983). [Fam. Bombyliidae]. In: *Catalog of the type specimens in the collection of the Zoological Institute of the Academy of Sciences of the USSR. Insecta (Diptera). Part 1. Families Acroceridae, Nemestrinidae, Bombyliidae* (Zaitzev, V. F., Kandybina, M. N., Nartshuk, E. P., and Rikhter, V. A., Eds): 12-44. Leningrad [= St. Petersburg].
- Zakhvatkin, A. A. (1954). Parasites of Acrididae near the river Angara. *Trudy Vses. Entomol. Obshch.* 44: 240-300.
- Zeller, P. C. (1840). Beytrag zur Kenntnis der Dipteren aus den Familien der Bombylier, Anthracier und Asiliden. *Isis (Oken)*. 1840 (I): 10-78.
- Zetterstedt, J. W. (1844). *Diptera Scandinaviae*. vol. 3, pp. 895-1012. Officina Lundbergiana, Lundae [=Lund].
- Zetterstedt, J. W. (1859). *Diptera Scandinaviae*. vol. 13, pp. xvi+ 4943-6190. Officina Lundbergiana, Lundae [=Lund].
- Zimin, L. S. (1928). Neuen Dipteren Gattungen und Arten aus Chiva. *Bull. Inst. Zool. Appl. Phytopath.* 4: 21-37.