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Isoptera, Embioptera, Neuroptera, Mecoptera, Raphidioptera and Diptera types in ZFMK

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Abstract. The total type material of the Embioptera, Isoptera, Neuroptera, Mecoptera, Raphidioptera and Diptera collections housed in the Zoologisches Forschungsmuseum Alexander Koenig (ZFMK), as of 30 September 2010, are catalogued. Exclusive of the Phoridae collections of Schmitz and Beyer (which contain 452 and 152 types, respectively), the collections contain 263 holotypes, 79 lectotypes and five neotypes. Forty species are represented by syntypes and 328 by para- and paralectotypes. Except for the Phoridae collection, reference to the original description of each taxon is provided and sex and number of each type are given.

Key words. Type specimens, ZFMK.

INTRODUCTION

The collections of insects covered in this paper are primarily from Europe, with additional holdings from expeditions to North Africa, Afghanistan and China (e.g., Klapperich collections). Additional information concerning the Diptera collection is briefly described in a report on the German Diptera collections (Bährmann 1999). The total number of types for Embioptera, Isoptera, Neuroptera, Mecoptera and Raphidioptera is summarized in Table 1. The total number of types for the families of Diptera exclusive of the Schmitz and Beyer Phoridae collections is summarized in Table 2.

Under each Order, this catalogue is arranged alphabetically by species name, using the original combination and spellings. Within Diptera, the entries are divided among families, which are also arranged alphabetically. Each entry is arranged in the following order: species and subspecies names, author, year of publication, page number in which species was described, original generic assignment in brackets, and the number, sex and kind of type. The following abbreviations were used in the lists: alc. – alcohol or spirit collection, HT – holotype, LT – lectotype, NT – neotype, PLT – paralectotype, PNT – paraneotype, PT – paratype, ST – syntype. Notes about nomenclature, genitalic dissections, general condition of the types, discussion of some problems encountered in determination of the type status and the present generic combination (wherever possible, if readily available from current printed and on-line catalogues) are included in the Remarks.

The complete list of original references follows each major category (Order or family). The species are all pinned and dried, unless otherwise indicated. The validity of each type was checked, wherever possible, against the original descriptions.

The vast collections of Schmitz and Beyer were treated separately in the present work as they require a thorough revision by a specialist of the family. These collections constitute the most important collections of European Phoridae while also containing numerous species from other parts of the world. Because types in these collections were often not labeled clearly or not according to the currently accepted rules (e.g., many specimens are simply labeled as “Type”), it was impossible to include details about the sex and condition of the types as was done for other families in this catalog. Therefore, data on types in these collections are given as they appear on the labels and the total number of types may be an underestimation. Establishing the actual status of types in the Schmitz and Beyer collections will require comprehensive treatment, including how subsequent workers dealt with the Schmitz and Beyer types. As many of the phorid types (or parts of types) are mounted on microscope slides, for each entry it is stated whether types are pinned or slide-mounted or both. Overall, the Schmitz collection includes 452 types and the Beyer collection 152 types but future work may reveal additional unlabeled type specimens.

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ISOPTERA

processionarius Schmitz, 1924: 302 (*Eutermes*) – 2 workers, 1 soldier ST (pinned)

Remarks: The species name was first spelt *processionarius*, but all subsequent spellings were *processionarius*. It is assumed that the first spelling was a *lapsus calami*. In addition to the dried material above, 20 soldiers and 32 workers were found in the alcohol collection, labeled as type material and from the type locality. However, an immature reproductive was also included, but Schmitz (1924) stated that none were available at the time. He either did not view the specimen of good enough quality to describe or this alcohol material was received after the species was published. Given that no ranges were included in the measurements, it would appear that only the three dried specimens were initially available.

This species was not included in the recent Oriental catalogue (Ahmad & Akhtar 2002).

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Schmitz H (1924) Drei neue Platyphorinen (Phoridae, Diptera) und eine neue Wirtstermite. Zoologischen Anzeiger 59: 289–304

EMBIOPTERA

enderleini Esben-Petersen, 1915: 86 (*Embia*) – male HT (in alc.)

Remarks: Synonym of *Embia savignyi* Westwood.

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Esben-Petersen P (1915) Neuropteren und Embiiden aus Ober-Aegypten und dem Aegypt. Sudan. Entomologische Mitteilungen 4: 79–88

NEUROPTERA

cephalicus Navás, 1911: 244 (*Myrmeleon*) – 1 male ST
geyri Esben-Petersen, 1915: 85 (*Chrysopa*) – female LT; 3 females PLT (in alc.)

Remarks: Synonym of *Brinckochrysa chlorosoma* (Navás). LT designated by Ohm & Hölzel (1992: 294).

koenigi Esben-Petersen, 1915: 82 (*Berotha*) – male LT; 5 females PLT (in alc.)

Remarks: Assigned to *Lekrugeria* Navás. LT designated by Aspöck & Aspöck (1986: 88).

leroiana Esben-Petersen, 1915: 81 (*Berotha*) – male LT; 2 males, 62 females PLT (in alc.)

Remarks: Assigned to *Podallea* Navás. LT designated by Aspöck & Aspöck (1981: 86).

nilotica Tjeder, 1957: 161 (*Sisyra*) – 5 males, 9 females PT

Remarks: All material from type locality is missing (incl. HT).

punctatus Navás, 1911: 245 (*Nelees*) – 1 female ST

trilineata Navás, 1911: 243 (*Cueta*) – 1 male, 1 female ST

varius Navás, 1911: 240 (*Palpares*) – 1 female ST

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Aspöck U, Aspöck H (1986) Das Genus *Lekrugeria* Navás (Neuropteroidea: Planipennia: Berothidae: Berothinae). Zeitschrift der Arbeitsgemeinschaft Österreichischer Entomologen 37(1985)(3/4): 85–86

Esben-Petersen P (1915) Neuropteren und Embiiden aus Ober-Aegypten und dem Aegypt. Sudan. Entomologische Mitteilungen 4: 79–88

Navás L (1911) Notes sur quelques Névroptères. Insecta (Rennes) 1(11): 239–246

Ohm P, Hölzel H (1992) Aspects of biogeography and phenology of Chrysopidae from the Republic of Sudan (Insecta: Neuroptera). Pp. 291–301, in: Canard, M., Aspöck, H. & Mansell, N. W. (eds.) Current Research in Neuropterology. Proceedings of the Fourth International Symposium on Neuropterology. Banères-de-Luchon, France, 1991.

Tjeder B (1957) Neuroptera-Planipennia. The lace-wings of Southern Africa. 1. Introduction and families Coniopterygidae, Sisyridae, and Osmylidae. Chapter 3. Pp. 95–188, in: Hanström, B., Brinck, P. & Rudebeck, G. (eds.) South African Animal Life, Results of the Lund University Expedition in 1950–1951, Vol. 4. Almqvist & Wiksells, Uppsala. 508

MECOPTERA

communis raechlei Lauterbach, 1970: 284 (*Panorpa*) – 2 males, 2 females ST (in alc.)

fukiensis Tjeder, 1950: 286 (*Panorpa*) – male HT; 1 female PT

Remarks: HT and PT (labeled as allotype) missing from collection.

germanica corcyraea Lauterbach, 1972: 122 (*Panorpa*) – female? HT

Remarks: Genitalia dissected and missing.

germanica enboica Lauterbach, 1972: 121 (*Panorpa*) – male HT; 1 male, 4 females PT

germanica graeca Lauterbach, 1972: 119 (*Panorpa*) – male HT; 12 males, 13 females PT

germanica riegeri Lauterbach, 1971: 65 (*Panorpa*) – 1–3 PT (in alc.)

Remarks: Type material is missing from collection.

germanica rnmelica Lauterbach, 1972: 117 (*Panorpa*) – male HT; 1 female PT

Remarks: Genitalia dissected and missing.

klapperichi Tjeder, 1950: 289 (*Panorpa*) – female HT

Remarks: HT missing from collection.

lacedaemonia Lauterbach, 1972: 124 (*Panorpa*) – male HT; 1 male, 2 females PT

Remarks: HT dissected and missing genitalia.

plitvicensis Lauterbach, 1972: 134 (*Panorpa* (*Aulops*)) – 2 females PT ?

Remarks: One specimen labeled as HT and other as allotype. However, HT is stated to be male. Uncertain whether both are part of the original type series. Whereabouts of other specimens are unknown.

thrakica Willmann, 1976: 61 (*Panorpa*) – male HT; 1 male, 3 females PT

Remarks: HT dissected.

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RAPHIDIOPTERA

marielouisae Aspöck et al., 1978: 165 (*Raphidia*) – male HT

notata aperta Navás, 1911: 246 (*Raphidia*) – 1 male ST

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- Bonn zoological Bulletin 58: 49–88

DIPTERA

Family: Anthomyiidae

asiatica Hennig, 1976: 938 (*Egle*) – male HT

Remarks: HT dissected, genitalia mounted on three microscope slide.

bacilligera Hennig, 1974: 743 (*Delia*) – male HT; 6 males PT

Remarks: HT dissected, genitalia mounted on two microscope slides.

chinensis Hennig, 1973: 542 (*Pegomya*) – male HT; 1 male PT

Remarks: HT dissected, genitalia mounted on four microscope slides.

graeca Hennig, 1970: 332 (*Botanophila*) – male HT; 1 male PT

Remarks: HT dissected, genitalia mounted on four microscope slides.

parafrontella Hennig, 1974: 865 (*Delia*) – male HT

Remarks: HT dissected, genitalia mounted on two microscope slides.

trifurcata Hennig, 1976: 953 (*Pegphylemyia*) – male HT

Remarks: Assigned to *Botanophila* by Lioy; HT dissected, genitalia mounted on three microscope slides.

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Family: Asilidae

bacescui Weinberg, 1979: 281 (*Dasypogon*) – male HT; 4 males, 4 females PT

comosus Scarbrough & Marascia, 2003: 28 (*Ommatius*) – 5 males, 3 females PT

gerardi Weinberg, 1987: 156 (*Dasypogon*) – male HT

kugleri Weinberg, 1985: 194 (*Dasypogon*) – 1 female PT

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Family: Atelestidae

- zaitsevi* Sinclair & Shamshev, 2003: 2950 (*Nemedina*) – 1 male, 1 female PT
- Remarks:** The female PT is cleared and stored in glycerine.

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- Sinclair BJ, Shamshev IV (2003) A new species of *Nemedina* Chandler from mid-Asia (Diptera: Empidoidea) resolves the phylogenetic position of this enigmatic genus. Journal of Natural History 37(24): 2949–2958

Family: Blephariceridae

- alpinus* Kitakami, 1931: 83 (*Philorus*) – 1 pupa, 1 larva ST? (in alc.)
- Remarks:** Possible syntypes.
- bilobatoides* Kitakami, 1931: 81 (*Philorus*) – 1 pupa, 1 larva ST (in alc.)
- Remarks:** Assigned to *Agathon* Röder.
- bilobatoides longispina* Kitakami, 1931: 83 (*Philorus*) – 1 pupa ST (in alc.)
- Remarks:** Subspecies assigned to *Agathon* Röder.
- chosenensis* Kitakami, 1931 (*Philorus*) – male LT; 1 pupa, 1 larva PLT
- cinerascens tyrrhenica* Edwards, 1928: 175 (*Liponeura*) – 1 male ST
- Remarks:** Synonym of *L. cinerascens* Loew.
- deceptrix* Zwick, 1978: 249 (*Liponeura*) – male HT; 13 males PT
- decipiens* Bezzi, 1913: 103 (*Liponeura*) – 1 male PLT
- Remarks:** LT and PLT designated by Zwick (1980: 52).
- edwardsiana* Mannheims, 1954: 101 (*Liponeura*) – 4 males, 3 females PT
- itala* Zwick, 1978: 251 (*Liponeura*) – male HT (in alc.)
- kanii* Kitakami, 1938: 344 (*Neohapalothrix*) – 1 pupa, 3 larvae ST (in alc.)
- kawamurai ezoensis* Kitakami, 1950: 46 (*Bibiocephala*) – male LT, 2 pupae, 2 larvae PLT (in alc.)
- Remarks:** Assigned to *Agathon* and elevated to species level (Zwick & Arefina 2006).
- kawamurai kawamurai* Kitakami, 1950: 44 (*Bibiocephala*) – 1 male, 1 female, 2 pupae, 2 larvae ST (in alc.)

- kibunensis* Kitakami, 1931: 85 (*Philorus*) – 1 pupa, 1 larva ST (in alc.)
- komaensis* Kitakami, 1950: 41 (*Amika*) – 4 larvae ST (in alc.)
- Remarks:** Assigned to *Bibiocephala* Osten Sacken.
- kongoensis* Kitakami, 1950: 58 (*Philorus*) – 1 pupa ST (in alc.)
- kuyaensis* Kitakami, 1931: 87 (*Philorus*) – 1 larva ST (in alc.)
- manschukuensis* Mannheims, 1938: 329 (*Curupira*) – female HT
- Remarks:** Assigned to *Neohapalothrix* Kitakami.
- montana* Kitakami, 1931: 78 (*Bibiocephala*) – 1 pupa ST (in alc.)
- Remarks:** Assigned to *Agathon*.
- sardons* Zwick, 1968: 253 (*Diopropsis*) – 1 pupa, 2 larvae PT (in alc.)
- Remarks:** Pharate male, in pupa (genitalia only).

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Family: Brachystomatidae

- athertonius* Sinclair, 2003: 9 (*Ceratomerus*) – 3 females PT
- attenuatus* Sinclair, 2003: 16 (*Ceratomerus*) – 3 males PT

barringtonensis Sinclair, 2003: 10 (*Ceratomerus*) – 2 males PT
falcatus Sinclair, 2003: 27 (*Ceratomerus*) – 13 males PT
globosus Sinclair, 2003: 21 (*Ceratomerus*) – 2 males, 3 females PT
hibernus Sinclair, 2003: 29 (*Ceratomerus*) – 1 female PT
japonica Saigusa, 1963: 121 (*Heleodromia*) – 2 males, 1 female PT
lobatus Sinclair, 2003: 38 (*Ceratomerus*) – 14 males, 2 females PT
macalpinei Sinclair, 2003: 23 (*Ceratomerus*) – 1 male PT
maculatus Sinclair, 2003: 29 (*Ceratomerus*) – 13 males, 6 females PT
malleolus Sinclair, 2003: 23 (*Ceratomerus*) – 1 male, 1 female PT
oreas Sinclair, 2003: 26 (*Ceratomerus*) – 1 male PT
orientalis Sinclair, 2003: 39 (*Ceratomerus*) – 33 males, 14 females PT
rami Wagner & Leese, 2004: 15 (*Heleodromia*) – male HT (in alc.)
victoriae Sinclair, 2003: 14 (*Ceratomerus*) – 5 males, 5 females PT

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Family: Cecidomyiidae

All types in this family are mounted on microscope slides.

agrostivora Meyer, 1985: 455 (*Mayetiola*) – 3 males, 1 larva PT

Remarks: According to Meyer (personal communication), his collection should contain 3 male and 2 female paratypes. However, the specimens were not labeled as paratypes and are highly damaged as they were mounted temporarily in glycerine. The medium evaporated or crystallized around the specimens making it impossible to recognize most of them. To save the remaining recognizable paratypes (3 males and 1 larva), N. Dorchin remounted two males on the same slide and ringed with Euparal the cover slip of the third male on a different slide. The larva slide was ringed by Meyer himself.

akko Dorchin & Freidberg, 2008: 9 (*Careopalpis*) – 5 males, 6 females PT

crispa Dorchin & Freidberg, 2008: 18 (*Stefaniola*) – 4 males, 6 females PT

gerardi Meyer, 1984: 35 (*Procystiphora*) – 3 males, 2 females PT

gina Dorchin, 2009: 13 (*Rhopalomyia*) – 2 males, 4 females PT

gracilis Dorchin & Freidberg, 2008: 12 (*Honardiella*) – 4 males, 6 females PT

nana Meyer & Spungis, 1994: 434 (*Acoenonia*) – 2 males PT

puccinelliae Meyer, 1984: 40 (*Mayetiola*) – male HT; 15 males, 5 females, 8 larvae, 6 exuviae PT

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Family: Chloropidae

agropyri Nartshuk, 1964: 312 (*Dicraeus*) – 1 male, 1 female PT

bothriochloae Nartshuk, 1978: 86 (*Dicraeus*) – 1 male, 1 female PT

flavescens Nartshuk, 1974: 367 (*Dicraeus*) – 1 male, 1 female PT

humeralis Nartshuk, 1964: 311 (*Dicraeus*) – 1 male, 1 female PT

miscanthi Nartshuk, 1967: 435 (*Dicraeus*) – 1 male, 1 female PT

nartshukae Kanmiya, 1971: 169 (*Dicraeus*) – 1 male, 1 female PT

nigriventris Nartshuk, 1964: 314 (*Dicraeus*) – 1 male, 1 female PT

sasae Nartshuk, 1973: 941 (*Platycephala*) – 2 females PT

setiger Nartshuk, 1973: 72 (*Dicraeus*) – 1 male, 1 female PT

typhae Nartshuk, 1971: 710 (*Stenophthalmus*) – 1 male, 1 female PT

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- merzi* Gatt, 2003: 677 (*Microphorella*) – male HT (in alc.); 7 males, 2 females PT (in alc.), 7 males, 5 females PT (pinned)
- minor* Takagi, 1965: 81 (*Acymatopus*) – 1 male, 1 female PT
- natalensis* Ulrich, 1991: 194 (*Plesiothalassius*) – 1 male, 1 female (pinned), 3 males, 4 females (in alc.) PT
- nepalensis* Saigusa, 1984: 62 (*Diostracus*) – 1 male, 1 female PT
- nigropunctatus* Pollet & Brunhes, 1997: 376 (*Achalcus*) – 1 male PT (in alc.)
- nishidai* Saigusa, 1984: 23 (*Diostracus*) – 1 male PT
- nodulatus* Takagi, 1965: 70 (*Conchopus*) – 3 males, 2 females PT
- piricornis* Ulrich, 1991: 201 (*Aunphithalassius*) – 1 male (pinned), 3 males, 3 females (in alc.) PT
- roghii* Rampini & Canzoneri, 1979: 265 (*Medetera*) – 1 male, 2 females PT
- saigusai* Takagi, 1965: 64 (*Conchopus*) – 2 males, 2 females PT
- stuckenbergerorum* Irwin, 1974: 236 (*Sciopolina*) – 1 male, 1 female PT
- venetus* Meuffels, 1977: 201 (*Sciapus*) – 1 male, 1 female PT
- ulrichi* Gatt, 2003: 671 (*Microphorella*) – male HT (in alc.); 6 males, 6 females PT (in alc.), 11 males, 6 females PT (pinned)

Family: Dolichopodidae (s. lat.)

- anomalopus* Takagi, 1965: 73 (*Conchopus*) – 4 males, 2 females PT
- bimaculatus* Pollet, 1997: 361 (*Achalcus*) – 1 male, 1 female PT (in alc.)
- borealis* Takagi, 1965: 55 (*Conchopus*) – 3 males, 2 females? PT
- canzonerii* Rampini, 1975: 137 (*Caupsicnemus*) – 1 male, 1 female PT
- Remarks:** Synonym of *C. picticoruis* (Zetterstedt).
- flavus* Ulrich, 1991: 198 (*Plesiothalassius*) – 1 male, 2 females PT (in alc.)
- genualis* Takagi, 1968: 43 (*Diostracus*) – 2 males, 1 female PT
- inornatus* Takagi, 1968: 45 (*Diostracus*) – 1 male, 1 female PT
- latus* Ulrich, 1991: 206 (*Aunphithalassius*) – 1 male, 1 female (pinned), 8 males, 4 females (in alc.) PT
- longicornis* Saigusa, 1984: 67 (*Diostracus*) – 1 male, 1 female PT
- longisetosus* Takagi, 1965: 81 (*Acymatopus*) – 5 males PT
- magnipalpis* Saigusa, 1984: 45 (*Diostracus*) – 1 male, 1 female PT
- major* Takagi, 1965: 79 (*Acymatopus*) – 1 male, 1 female PT

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Ulrich H (1991) Two new genera of parathalassiine-like flies from South Africa (Diptera, Empidoidea). *Bonner zoologische Beiträge* 42: 187–216

Family: Empididae

accomodata Wagner & Leese, 2004: 10 (*Chelifera*) – male HT (in alc.)

akatarawa Sinclair & McLellan, 2004: 630 (*Hydropeza*) – 3 males, 3 females PT

alpina Sinclair & Saigusa, 2001: 511 (*Ragas*) – 3 males, 2 females PT

alpina Vaillant, 1981: 368 (*Chelifera*) – male HT

Remarks: Mounted on microscope slide.

appalachia Sinclair, 2008: 147 (*Clinocera*) – 11 males, 13 females PT

asiatica Sinclair & Saigusa, 2005: 194 (*Trichoclinocera*) – 3 males, 3 females PT

bilobatus Wagner & Leese, 2004: 22 (*Roederiodes*) – male HT (in alc.)

brevidigitata Wagner & Leese, 2004: 10 (*Chelifera*) – male HT (in alc.)

brunea Sinclair, 2008: 30 (*Clinocera*) – 1 male, 2 females PT

chitaoides Wagner & Leese, 2004: 13 (*Hemerodromia*) – male HT (in alc.)

ciwatikina Sinclair & Evenhuis, 2005: 4 (*Dolichocephala*) – 2 males, 2 females PT

clarae Sinclair & McLellan, 2004: 633 (*Hydropeza*) – 3 males, 3 females PT

corsicana Vaillant, 1981: 365 (*Chelifera*) – male HT

Remarks: Mounted on microscope slide.

curvata Wagner & Leese, 2004: 7 (*Chelifera*) – male HT (in alc.)

cuspidata, Wagner & Leese, 2004: 16 (*Clinocera*) – male HT (in alc.)

czizeki Barták, 1982: 399 (*Rhamphomyia* s.s.) – 1 female PT

daviesi Sinclair & McLellan, 2004: 634 (*Hydropeza*) – 1 male, 1 female PT

digitata Wagner & Leese, 2004: 10 (*Chelifera*) – male HT (in alc.)

disjuncta Sinclair, 2008: 90 (*Clinocera*) – 3 males, 3 females PT

elongatioides Wagner & Leese, 2004: 13 (*Hemerodromia*) – male HT (in alc.)

haeselbarthae Wagner & Leese, 2004: 11 (*Chelifera*) – male HT (in alc.)

insueta Wagner & Leese, 2004: 5 (*Chelifera*) – male HT (in alc.)

klapperichi Frey, 1953: 79 (*Rhamphomyia* (*Eorhamphomyia*)) – 1 male, 1 female ST

longicanda Sinclair & Saigusa, 2001: 514 (*Ragas*) – 1 male, 1 female PT

longicercus Wagner & Leese, 2004: 16 (*Clinocera*) – male HT (in alc.)

lunata Wagner & Leese, 2004: 18 (*Clinocera*) – male HT (in alc.)

lunatoides Wagner & Leese, 2004: 18 (*Clinocera*) – male HT (in alc.)

macdonaldi Sinclair, 2008: 135 (*Clinocera*) – 2 males PT

mandarina Frey, 1953: 40 (*Rhamphomyia* (*Planempis*)) – 1 male, 2 females ST

marginetosa Wagner & Leese, 2004: 16 (*Clinocera*) – male HT (in alc.)

milleri Sinclair & McLellan, 2004: 638 (*Hydropeza*) – 1 male, 1 female PT

multiseta Wagner & Leese, 2004: 6 (*Chelifera*) – male HT (in alc.)

naggareuse Wagner & Leese, 2004: 22 (*Roederiodes*) – male HT (in alc.)

naumanni Sinclair & Saigusa, 2005: 201 (*Trichoclinocera*) – 1 male, 1 female PT

nepalensis Sinclair & Saigusa, 2005: 202 (*Trichoclinocera*) – 3 males, 3 females PT

nevadensis Lindner, 1962: 1 (*Rhamphomyia*) – 1 male PLT

Remarks: Barták (1998: 17) identified HT in Stuttgart, but was unaware of additional type material in ZFMK, thus he actually designated a LT.

panesari Wagner & Leese, 2004: 20 (*Dolichocephala*) – male HT

Remarks: Mounted on microscope slide.

paniculata Sinclair & McLellan, 2004: 639 (*Hydropeza*) – 4 females PT

pyrenaica Vaillant, 1981: 384 (*Chelifera*) – male HT; 1 male PT

Remarks: Mounted on microscope slide.

rhombicercus Wagner & Leese, 2004: 7 (*Chelifera*) – male HT (in alc.)

rhomboides Wagner & Leese, 2004: 13 (*Hemerodromia*) – male HT (in alc.)

rotundinota Wagner & Leese, 2004: 20 (*Dolichocephala*) – male HT (in alc.)

rubriventris Sinclair, 2000: 356 (*Clinocera*) – 2 males, 3 females PT

schwoerbeli Wagner & Leese, 2004: 22 (*Roederiodes*) – male HT (in alc.)

serrata Wagner & Leese, 2004: 25 (*Trichoclinocera*) – male HT (in alc.)

serraticauda meridionalis Vaillant, 1981: 373 (*Chelifera*) – male HT

Remarks: Mounted on microscope slides. This specimen likely represents a syntype as the types series consisted of numerous specimens and no holotype was designated. Synonym of *serraticauda* (Horvat 2002).

setitibia Sinclair, 2008: 80 (*Clinocera*) – 2 males, 1 female PT

setosa Wagner & Leese, 2004: 18 (*Clinocera*) – male HT (in alc.)

sinclairi Wagner & Lecse, 2004: 19 (*Clinocera*) – male HT (in alc.)

siveci Wagner & Horvat, 1993: 36 (*Roederiodes*) – 3 males, 3 females (in alc.)

Remarks: Assigned to *Clinocerella* Engel.

spinosa Wagner & Leese, 2004: 13 (*Hemerodromia*) – male HT (in alc.)

standerae Wagner & Leese, 2004: 8 (*Chelifera*) – male HT (in alc.)

sublineata Sinclair, 2008: 142 (*Clinocera*) – 1 female PT

taiwanensis Sinclair & Saigusa, 2005: 204 (*Trichoclino-cera*) – 36 males, 49 females PT

vockerothi Sinclair & McLellan, 2004: 643 (*Hydropeza*) – 6 males, 3 females PT

wallowa Sinclair, 2008: 118 (*Clinocera*) – 2 males, 2 females PT

walutikina Sinclair & Evenhuis, 2005: 7 (*Dolichocephala*) – 3 males, 3 females PT

ynnana Sinclair & Saigusa, 2005: 206 (*Trichoclino-cera*) – 12 males, 8 females PT

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Vaillant F (1981) Diptères Empididae Hemerodromiinae nouveaux ou peu connus de la région paléartique (première partie). *Bonner zoologische Beiträge* 32(3–4): 351–408

Wagner R, Horvat B (1993) The genus *Roederiodes* Coquillett, 1901 (Diptera, Empididae: Clinocerinae) in Europe, with descriptions of four new species. *Bonner zoologische Beiträge* 44: 33–40

Wagner R, Leese F, Panesar AR (2004) Aquatic dance flies from a small Himalayan stream (Diptera: Empididae: Hemerodromiinae, Trichopezinae and Clinocerinae). *Bonner zoologische Beiträge* 52(1–2) (2003): 3–31

Family: Glossinidae

martinii Zumpt, 1935: 146 (*Glossina*) – 2 females PT

REFERENCES

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Family: Hybotidae

irrorata Sinclair & Cumming, 2000: 168 (*Apterodromia*) – 1 male PT

masneri Sinclair & Cumming, 2007: 31 (*Leptopezella*) – 1 female PT

nigripennis Chvála, 1975: 169 (*Dysaletria*) – 1 male, 1 female PT

schnitteri Stark, 1996: 301 (*Tachydromia*) – 1 male, 1 female PT (in alc.)

spinosa Sinclair & Cumming, 2007: 35 (*Leptopezella*) – 1 male, 1 female PT

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Family: Milichiidae

glandulifera Brake & Freidberg, 2003: 279 (*Desmometopa* (*Litometopa*)) – 1 female PT (in alc.)

sabroskyi Brake & Freidberg, 2003: 280 (*Desmometopa* (*Litometopa*)) – 4 females PT (in alc.)

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Brake I, Freidberg A (2003) Revision of *Desmometopa* Loew (*Litometopa* Sabrosky) (Diptera: Milichiidae), with descriptions of six new species. Proceedings of the Entomological Society of Washington 105: 265–282

Family: Muscidae

aestuum Villeneuve, 1902: 197 (*Limnophora*) – 1 male ST

Remarks: Assigned to *Villeneuveia* Schnabl & Dziedziński (missing head).

leucospila sinica Hennig, 1960: 440 (*Lispe*) – female HT
Remarks: Elevated to species.

lividiventrís plumbea Hennig, 1962: 659 (*Alloeostylus*) – male HT; 20 males, 4 females PT

Remarks: Assigned as ssp. under *Thricops lividiventrís* (Zett.).

mandschurica Hennig, 1957: 196 (*Helina*) – male HT; 4 females PT

Remarks: Name first appears in the key (Hennig 1957: 150).

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Hennig W (1957) 63b. Muscidae. In: Lindner, E. (ed.) Die Fliegen der palaarktischen Region 7(2), Lief. 197: 145–192

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Villeneuve J (1902) Description d'une nouvelle espèce de *Limnophora* vivant au bord la mer. Wiener Entomologische Zeitung 21: 197–198

Family: Mustacinobiidae

zelandica Holloway, 1976: 281 (*Mystacinobia*) – 6 males, 2 females PT (in alc.)

REFERENCES

Holloway BA (1976) A new bat-fly family from New Zealand (Diptera: Mystacinobiidae). New Zealand Journal of Zoology 3: 279–301

Family: Oreoleptidae

torrenticola Zloty, Sinclair & Pritchard, 2005: 256 (*Oreoleptis*) – 1 male, 2 females PT

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Zloty J, Sinclair BJ, Pritchard G (2005) Discovered in our backyards: a new genus and species of a new family from the Rocky Mountains of North America (Diptera, Tabanomorpha). Systematic Entomology 30: 248–266

Family: Phoridae

Types in the Schmitz and Beyer collections are listed separately.

angustifrons Gotô, 1983: 377 (*Crinophleba*) – 3 males 1 female PT

Remarks: Assigned to *Burmophora*.

attae Disney 1996: 1381 (*Neodohrniphora*) – female HT; 2 males, 3 females PT

Remarks: Assigned to *Eibesfeldtphora* by Disney (2009); mounted on microscope slides.

carina Brown 1987: 277 (*Gymnophora*) – 1 male, 1 female PT

citrinella Buck, 2001: 88 (*Megaselia*) – male HT

Remarks: Critical-point dried and glued to side of pin.

dentistylata Buck, 1997: 352 (*Xenotriphleba*) – male HT

Remarks: Genitalia in microvial on same pin.

fulvum Gotô 1984: 76 (*Trophithauma*) – 1 female PT

glabrimargo Buck, 2001: 98 (*Megaselia*) – male HT

Remarks: Mounted on microscope slide.

hexanophila Buck, 2001: 101 (*Megaselia*) – male HT; 10 males, 9 females PT

Remarks: Critical-point dried and glued to side of pin.

labellaspinata Disney, 2001: 105 (*Megaselia*) – 1 male PT

Remarks: Mounted on microscope slide.

lacunifera Gotô, 1984: 166 (*Phora*) – 1 male PT

mimodensior Buck, 2001: 108 (*Megaselia*) – male HT; 1 male, 2 females PT

Remarks: Critical-point dried and glued to side of pin.

perpropinqua Mostovski & Michailovskaya, 2003: 159 (*Gymnophora*) – 1 male PT

prisca Gotô, 1985: 1 (*Phora*) – 3 males, 2 females PT

raruvesiculae Disney, 2001: 115 (*Megaselia*) – 1 male PT

Remarks: Mounted on microscope slide.

xanthophila Buck, 2001: 121 (*Megaselia*) – male HT; 2 males, 3 females PT

Remarks: Critical-point dried and glued to side of pin.

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- Gotô T (1984) Two new species of the genus *Trophithauma* Schmitz from Japan (Diptera: Phoridae). *Bulletin of the Kitakyushu Museum of Natural History* 5: 75–84
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- Mostovski MB, Mikhailovskaya MV (2003) A review of Palaearctic *Gymnophora* Macquart (Diptera: Phoridae), with description of new species. *European Journal of Entomology* 100: 153–165

TYPES IN THE SCHMITZ COLLECTION

AL – allotype, CT – cotype, HT – holotype, LT – lectotype, PT – paratype, T – type, ST – syntype, S – microscope slide, P – pinned (* Also in the Beyer collection (pinned))

<i>abdit</i> Schmitz, 1959: 123 (<i>Megaselia</i>) – T	P
<i>achatin</i> Cook, 1897: 886 (<i>Waudolleckia</i>) – T, CT	P
<i>aculeata</i> Schmitz, 1919: 142 (<i>Megaselia</i>) – HT, CT, PT	S+P
<i>acuta</i> Schmitz, 1935: 92 (<i>Megaselia</i>) – T, CT	P
<i>adducta</i> Schmitz 1955: 328 (<i>Phora</i>) – PT	P
<i>aequalis</i> Schmitz, 1919: 189 (<i>Triphleba</i>) – HT	P
<i>aequilateralis</i> Schmitz, 1936: 75 (<i>Megaselia</i>) – CT	P
<i>aequimarginata</i> Bridarolli, 1951: 40 (<i>Megaselia</i>) – CT	P
<i>aerea</i> Schmitz 1930: 60 (<i>Phora</i>) – CT	P
<i>aerivaga</i> Schmitz, 1937: 110 (<i>Megaselia</i>) – CT	P
<i>affinis</i> Wood, 1909: 25 (<i>Megaselia</i>) – T, CT	P
<i>afghana</i> Schmitz, 1959: 119 (<i>Megaselia</i>) – T, CT	P
<i>afra</i> Silvestri, 1920: 275 (<i>Ptochomyia</i>) – CT	P
<i>agnata</i> Schmitz, 1926: 50 (<i>Megaselia</i>) – PT	P
<i>albiclava</i> Schmitz, 1926: 79 (<i>Megaselia</i>) – HT	S+P
<i>aliena</i> Malloch, 1924: 356 (<i>Beckerina</i>) – CT	P
<i>alpina</i> Schmitz & Beyer, 1965: 521 (<i>Megaselia</i>) – CT	P
<i>alticola</i> Schmitz, 1958: 52 (<i>Ptochomyia</i>) – PT	S
<i>amapaensis</i> Borgmeier, 1967: 61 (<i>Metopina</i>) – CT	P
<i>americana</i> Schmitz & Wirth, 1954: 124 (<i>Phora</i>) – PT	P
<i>amurensis</i> Schmitz, 1927: 64 (<i>Borophaga</i>) – T	P
<i>anal</i> Lundbeck, 1920: 30, 35 (<i>Megaselia</i>) – HT, PT	P
<i>androidea</i> Bridarolli, 1951: 62 (<i>Megaselia</i>) – CT	P
<i>angolanus</i> Schmitz, 1955: 35 (<i>Aenigmatistes</i>) – PT, CT	S+P
<i>angularis</i> Schmitz, 1924: 16 (<i>Megaselia</i>) – CT, PT	S+P
<i>angusta</i> Wood, 1909: 193 (<i>Megaselia</i>) – T	P
<i>angustina</i> Schmitz, 1936: 77 (<i>Megaselia</i>) – CT	S
<i>annulipes</i> Schmitz, 1921: 325 (<i>Megaselia</i>) – HT	S
<i>apenninigena</i> Schmitz, 1943: 148 (<i>Triphleba</i>) – HT	P
<i>aphidiforme</i> Schmitz & Mjoberg, 1925: 45 (<i>Rhynchomicropteron</i>) – ST	S
<i>apiogaster</i> Schmitz, 1955: 54 (<i>Syntermitoxenia</i>) – PT	S
<i>apophysata</i> Schmitz, 1940: 56 (<i>Megaselia</i>) – CT, T	S+P
<i>apozona</i> Schmitz, 1936: 78 (<i>Megaselia</i>) – PT, CT	S+P
<i>appendicigera</i> Borgmeier, 1924: 13 (<i>Phalacrotophora</i>) – T	P
<i>aprilina</i> Schmitz, 1918: 35 (<i>Triphleba</i>) – ST	P

<i>aquilonia</i> Schmitz, 1958: 103 (<i>Megaselia</i>) – CT, PT	S+P
<i>ardua</i> Schmitz, 1940: 3 (<i>Megaselia</i>) – CT	P
<i>aristica</i> Schmitz, 1920: 140 (<i>Plastophora</i>) – HT, T	S+P
<i>armata</i> Wood, 1909: 25 (<i>Megaselia</i>) – T, PT	P
<i>arquata</i> Schmitz, 1935: 90 (<i>Megaselia</i>) – T, CT	P
<i>artifrons</i> Schmitz, 1920: 117 (<i>Phora</i>) – LT	P
<i>aspera</i> Schmitz, 1930: 68 (<i>Megaselia</i>) – HT, PT	P
<i>atrosericea</i> Schmitz, 1927: 113 (<i>Megaselia</i>) – ST, CT	S+P
<i>auranticolor</i> Schmitz, 1932: 123 (<i>Phalacrotophora</i>) – T*	P+S
Remarks: Slide in Beyer collection.	
<i>austera</i> Schmitz, 1929: 40 (<i>Megaselia</i>) – PT	P
<i>austrophila</i> Schmitz, 1939: 68 (<i>Antipodiphora</i>) – CT	P
<i>badia</i> Schmitz, 1938: 193 (<i>Megaselia</i>) – HT, CT	S
<i>baltica</i> Schmitz, 1924: 164 (<i>Megaselia</i>) – HT, LT, CT	S+P
<i>basicrinalis</i> Schmitz, 1953: 223 (<i>Megaselia</i>) – AL, T, CT	S+P
<i>berndeseni</i> Schmitz, 1919: 118 (<i>Megaselia</i>) – T, PT	P
<i>beyeri</i> Schmitz, 1965: 525 (<i>Megaselia</i>) – CT	S+P
<i>bifida</i> Schmitz, 1949: 195 (<i>Triphleba</i>) – PT	S
<i>bistruncata</i> Schmitz, 1936: 79 (<i>Megaselia</i>) – CT	P
<i>blattiformis</i> Schmitz, 1933: 35 (<i>Aenigmatistes</i>) – PT	S+P
<i>braueri</i> Strobl, 1880: 40 (<i>Metopina</i>) – T	P
<i>braunsi</i> Wasmann, 1900: 611 (<i>Termitophilomyia</i>) – CT	S
<i>brevicauda</i> Schmitz, 1925: 23 (<i>Psenaceton</i>) – ST, T, PT	S+P
<i>breviceps</i> Schmitz, 1939: 113 (<i>Aphiura</i>) – CT	P
<i>brevicornis</i> Schmitz, 1939: 76 (<i>Antipodiphora</i>) – CT	P
<i>brevicostalis</i> Wood, 1910: 246 (<i>Megaselia</i>) – HT	S
<i>brevior</i> Schmitz, 1924: 130 (<i>Megaselia</i>) – HT	S+P
<i>brevipalpis</i> Schmitz, 1935: 161 (<i>Spiniphora</i>) – T, PT	P
<i>brevirostris</i> Schmitz, 1915: 35 (<i>Odontoxenia</i>) – PT, CT	S+P
<i>brevissima</i> Schmitz, 1924: 85 (<i>Megaselia</i>) – HT	S
<i>breviterga</i> Lundbeck, 1921: 33 (<i>Megaselia</i>) – CT	P
<i>brumalis</i> Schmitz, 1943: 154 (<i>Triphleba</i>) – HT	P
<i>brunnea</i> Schmitz, 1920: 136 (<i>Megaselia</i>) – PT	P
<i>bucki</i> Schmitz, 1927: 73 (<i>Catachnusa</i>) – PT	P
<i>bullata</i> Schmitz, 1927: 158 (<i>Phora</i>) – PT	P
<i>hybrida</i> Schmitz, 1939: 187 (<i>Megaselia</i>) – PT, T	S+P
<i>caecutiens</i> Schmitz, 1914: 519 (<i>Rhynchomicropteron</i>) – T	S
<i>calva</i> Schmitz, 1951: 163 (<i>Puliciphora</i>) – PT	S
<i>camponoti</i> Schmitz, 1934: 145 (<i>Menozziola</i>) – HT	S
<i>capillosa</i> Schmitz, 1933: 1 (<i>Phora</i>) – PT	P
<i>capronata</i> Schmitz, 1940: 51 (<i>Megaselia</i>) – LT, CT	S+P
<i>carlina</i> Schmitz, 1930: 59 (<i>Phora</i>) – LT, PLT	P
<i>caudatarius</i> Schmitz, 1915: 328 (<i>Apocephalus</i>) – CT	P
<i>ciliatula</i> Schmitz, 1957: 431 (<i>Megaselia</i>) – T	S+P
<i>cilipes</i> Schmitz, 1927: 92 (<i>Aenigmatistes</i>) – HT	S
<i>cinerea</i> Schmitz, 1938: 8 (<i>Megaselia</i>) – T, CT	P
<i>cinereifrons</i> Strobl, 1910: 124 (<i>Megaselia</i>) – PT	S
<i>cinereifrons</i> Strobl, 1910: 124 (<i>Megaselia</i>) – T	P
<i>cirrattula</i> Schmitz, 1948: 396 (<i>Megaselia</i>) – T	P
<i>cirriventris</i> Schmitz, 1929: 86 (<i>Megaselia</i>) – T	P
<i>cisalpina</i> Schmitz, 1935: 82 (<i>Conicera</i>) – T, PT	S+P
<i>clara</i> Schmitz, 1921: 320 (<i>Megaselia</i>) – AL	S
<i>claripennis</i> Bridarolli, 1951: 45 (<i>Megaselia</i>) – CT	P
<i>coetanea</i> Schmitz, 1929: 126 (<i>Megaselia</i>) – PT	S+P
<i>cochlearipalpis</i> Speiser 1908: 145 (<i>Kuenburgia</i>) – T	P
Remarks: As <i>Nossibeia cochlearipalpis</i> .	

<i>coei</i> Schmitz, 1938: 9 (<i>Megaselia</i>) – CT	P
<i>collini</i> Schmitz, 1943: 156 (<i>Triphleba</i>) – T, PT	S+P
<i>colyeri</i> Schmitz, 1958: 19 (<i>Aenigmatopoeus</i>) – PT, CT	S+P
<i>communiformis</i> Schmitz, 1918: 139, 149 (<i>Megaselia</i>) – T	S+P
<i>compacta</i> Schmitz, 1940: 53 (<i>Megaselia</i>) – HT, PT	S+P
<i>conformipar</i> Schmitz, 1958: 505 (<i>Megaselia</i>) – PT, CT, T	S+P
<i>confortata</i> Schmitz, 1929: 41 (<i>Megaselia</i>) – PT	P
<i>congrua</i> Schmitz, 1926: 52 (<i>Megaselia</i>) – HT	S
<i>consetigera</i> Schmitz, 1925: 122 (<i>Megaselia</i>) – T	S+P
<i>consimilis</i> Lundbeck, 1920: 11 (<i>Megaselia</i>) – CT	P
<i>constrictior</i> Schmitz, 1929: 126 (<i>Megaselia</i>) – HT	S+P
<i>convallium</i> Schmitz, 1928: 132 (<i>Phora</i>) – LT, PLT	P
<i>cornigera</i> Beyer, 1958: 19 (<i>Borophaga</i>) – CT*	P+S
Remarks: Slide in Beyer collection.	
<i>crassinervis</i> Schmitz, 1920: 115 (<i>Metopina</i>) – T	S+P
<i>crassivenia</i> Schmitz, 1927: 132 (<i>Megaselia</i>) – HT	P
<i>crinita</i> Schmitz, 1939: 16 (<i>Megaselia</i>) – PT, CT	S+P
<i>cryptopalpis</i> Borgmeier, 1960: 301 (<i>Calamiscus</i>) – CT	P
<i>curtineura</i> (Brues), 1909: 6 (<i>Megaselia</i>) HT, T	S+P
<i>curvicapilla</i> Schmitz, 1947: 118 (<i>Megaselia</i>) – CT, PT	P
<i>curvivenia</i> Schmitz, 1928: 35 (<i>Megaselia</i>) – PT	S+P
<i>daemon</i> Bridarolli, 1951: 46 (<i>Megaselia</i>) – CT	P
<i>deltomera</i> Schmitz, 1924: 84 (<i>Megaselia</i>) – HT	S
<i>densior</i> Schmitz, 1927: 131 (<i>Megaselia</i>) – CT, ST	S+P
<i>dentata</i> Schmitz, 1943: 158 (<i>Triphleba</i>) – T, CT	P
<i>desituta</i> Disney, 1999: 244 (<i>Puliciphora</i>) – HT, PT	S
<i>devia</i> Schmitz, 1936: 193 (<i>Megaselia</i>) – HT, T	S+P
<i>differens</i> Schmitz, 1948: 394 (<i>Megaselia</i>) – HT	S
<i>digitalis</i> Borgmeier, 1925: 232 (<i>Syneura</i>) – PT	P
<i>digitalis</i> Schmitz, 1957: 189 (<i>Megaselia</i>) – CT	P
<i>dimidia</i> Schmitz, 1926: 107 (<i>Megaselia</i>) – HT, PT, CT	S+p
<i>diptychogastra</i> Schmitz, 1940: 23 (<i>Pericyclocera</i>) – ST	S
<i>disparinervis</i> Schmitz, 1947: 94 (<i>Triphleba</i>) – HT, PT	S+P
<i>dissitum</i> Schmitz, 1925: 40 (<i>Trophithauma</i>) – HT	S
<i>dohrniphoroidea</i> Assmuth, 1919: 198 (<i>Diplonevra</i>) – CT	P
<i>dolichoptera</i> Bridarolli, 1937: 73 (<i>Megaselia</i>) – CT*	P
<i>doryphora</i> Schmitz, 1957: 431 (<i>Megaselia</i>) – PT, T	S+P
<i>duhai</i> Schmitz, 1918: 379 (<i>Triphleba</i>) – T	P
<i>eccoptomera</i> Schmitz, 1927: 115 (<i>Megaselia</i>) – HT, CT	S+P
<i>edentata</i> Schmitz, 1920: 121 (<i>Phora</i>) – LT, PLT	P
<i>eidmanni</i> Schmitz, 1941: 78 (<i>Euryplatea</i>) – PT	P
<i>eisfelderae</i> Schmitz, 1948: 42 (<i>Megaselia</i>) – HT	P
<i>elongata</i> Wood, 1914: 153 (<i>Megaselia</i>) – PT	P
<i>elongatns</i> Schmitz, 1950: 21 (<i>Chonocephalus</i>) – HT, PT	S
<i>eminens</i> Beyer, 1958: 21 (<i>Borophaga</i>) – CT*	P
<i>eminens</i> Schmitz, 1953: 219 (<i>Megaselia</i>) – PT, T, CT	S+P
<i>equitans</i> Schmitz, 1939: 43 (<i>Plastophora</i>) – CT	P
<i>enpygis</i> Schmitz, 1929: 125 (<i>Megaselia</i>) – HT	S
<i>euryprocta</i> Schmitz, 1957: 234 (<i>Megaselia</i>) – PT, T, CT	S+P
<i>exangulata</i> Schmitz, 1947: 116 (<i>Megaselia</i>) – HT	S+P
<i>exarcuata</i> Schmitz, 1927: 130 (<i>Megaselia</i>) – HT	S
<i>excavata</i> Schmitz, 1927: 131 (<i>Megaselia</i>) – HT, CT	S+P
<i>excisa</i> Lundbeck, 1921: 130 (<i>Triphleba</i>) – T, PT	P
<i>exenterans</i> Schmitz, 1938: 375–394 (<i>Misotermes</i>) – HT, CT	P
<i>exilis</i> Schmitz, 1958: 13, 16 (<i>Penthaplus</i>) – PT	S
<i>extravagans</i> Schmitz, 1929: 31 (<i>Dicranodeina</i>) – PT	S

<i>feronia</i> Schmitz, 1934: 87 (<i>Megaselia</i>) – HT, T	S+P
<i>filamentosa</i> Schmitz, 1958: 475 (<i>Megaselia</i>) – HT	S
<i>fischeri</i> Schmitz, 1942: 11 (<i>Megaselia</i>) – HT	P
Remarks: Synonymized with <i>sepulchralis</i> .	
<i>flavicans</i> Schmitz, 1935: 178 (<i>Megaselia</i>) – T	P
<i>fletcheri</i> Wasmann, 1913: 17 (<i>Termitosphaera</i>) – PT	S
<i>floricola</i> Schmitz, 1938: 184 (<i>Conicera</i>) – T	P
<i>formicarum</i> Verrall, 1877: 258 (<i>Pseudacetone</i>) – HT, PT	P
<i>formicomendicola</i> Schmitz, 1927: 243 (<i>Metopina</i>) – ST	S
<i>formosensis</i> Brues, 1911: 539 (<i>Conicera</i>) – CT	P
<i>forsinsi</i> Schmitz, 1927: 110 (<i>Microselia</i>) – HT	P
<i>fortimana</i> Schmitz, 1943: 165 (<i>Triphleba</i>) – T, CT	P
<i>fortinervis</i> Schmitz, 1926: 51 (<i>Megaselia</i>) – HT	S
<i>frameata</i> Schmitz, 1927: 113 (<i>Megaselia</i>) – ST, T, CT	S+P
<i>fransseni</i> Schmitz, 1933: 102 (<i>Javanoxenia</i>) – HT, PT, T	S+P
<i>franzi</i> Schmitz, 1950: 107 (<i>Aenigmatias</i>) – HT	S
<i>freyi</i> Schmitz, 1927: 70 (<i>Diplonevra</i>) – HT	S
<i>funnebris</i> Meigen, 1830: 221 (<i>Diplonevra</i>) – T	P
<i>funeralis</i> Schmitz, 1928: 32 (<i>Megaselia</i>) – PT	S
<i>furcatipennis</i> Schmitz, 1934: 102 (<i>Megaselia</i>) – HT	S
<i>furva</i> Schmitz, 1929: 116 (<i>Megaselia</i>) – PT, T	S+P
<i>fusciclava</i> Schmitz, 1935: 82 (<i>Megaselia</i>) – T*	P
<i>fuscinula</i> Schmitz, 1926: 84 (<i>Megaselia</i>) – T, PT	S+P
<i>fuscoides</i> Schmitz, 1934: 101 (<i>Megaselia</i>) – T	P
<i>fuscopleuralis</i> Schmitz, 1929: 115 (<i>Megaselia</i>) – T, CT	S+P
<i>fuscovariana</i> Schmitz, 1933: 99 (<i>Megaselia</i>) – HT, PT, CT	S+P
<i>galeata</i> Haliday, 1833: 179 (<i>Metopina</i>) – T	P
<i>gargarans</i> Schmitz, 1948: 393 (<i>Megaselia</i>) – HT, PT, T, CT*	S+P
<i>gemina</i> Schmitz, 1958: 488 (<i>Megaselia</i>) – PT, T	S+P
<i>genitalis</i> Schmitz, 1940: 78 (<i>Spiniphora</i>) – CT	P
<i>germanica</i> Schmitz, 1918: 114 (<i>Borophaga</i>) – T	P
<i>gilvipes</i> Schmitz, 1943: 166 (<i>Triphleba</i>) – T	P
<i>glabra</i> Schmitz, 1927: 72 (<i>Diplonevra</i>) – T	P
<i>globicornis</i> Schmitz, 1948: 391 (<i>Megaselia</i>) – T	P
<i>grata</i> Schmitz 1939: 34 (<i>Kierania</i>) – CT	P
<i>gratiosa</i> Schmitz, 1939: 11 (<i>Megaselia</i>) – HT, CT	S+P
<i>grisaria</i> Schmitz, 1933: 3 (<i>Megaselia</i>) – PT, CT	S+P
<i>hamata</i> Schmitz, 1927: 157 (<i>Phora</i>) – LT	P
<i>havilandi</i> Wasmann, 1900: 601 (<i>Termitoxenia</i>) – CT	P
<i>hawaiiensis</i> Colyer, 1956: 233 (<i>Conicera</i>) – PT	P
<i>hentrichi</i> Schmitz, 1934: LX (<i>Triphleba</i>) – PL	P
<i>heselhausi</i> Schmitz, 1924: 91 (<i>Metopina</i>) – HT	S
<i>hibernans</i> Schmitz, 1934: LX (<i>Megaselia</i>) – HT, CT, T	S+P
<i>hibernica</i> Schmitz, 1938: 190 (<i>Megaselia</i>) – PT	P
<i>hilaris</i> Schmitz, 1927: 144 (<i>Megaselia</i>) – HT, T	S+P
<i>hirticrus</i> Schmitz, 1918: 62 (<i>Megaselia</i>) – CT, T	P
<i>holosericea</i> Schmitz, 1920: 121 (<i>Phora</i>) – LT, PLT	P
<i>horrida</i> Schmitz, 1920: 115 (<i>Phora</i>) – T, CT	P
<i>hyalinata</i> Meigen, 1830: 222 (<i>Triphleba</i>) – PT	P
<i>hyperborea</i> Schmitz, 1927: 156 (<i>Phora</i>) – LT, PLT	P
<i>hypopygialis</i> Schmitz, 1918: 34 (<i>Triphleba</i>) – HT, T	P
<i>imberbis</i> Schmitz, 1934: 65 (<i>Megaselia</i>) – CT	S+P
<i>impariseta</i> Bridarolli, 1937: 68 (<i>Megaselia</i>) – CT	P
<i>impinguata</i> Schmitz, 1935: 88 (<i>Megaselia</i>) – PT	S
<i>impolluta</i> Schmitz, 1920: 116 (<i>Megaselia</i>) – ST	S+P
<i>inaequalis</i> Schmitz, 1927: 244 (<i>Metopina</i>) – HT	S

<i>manicata</i> Wood, 1910: 246 (<i>Megaselia</i>) – T, CT	P
<i>manualis</i> Malloch, 1912: 457 (<i>Megaselia</i>) – T	S
<i>marina</i> Schmitz, 1937: 121 (<i>Megaselia</i>) – T	S
<i>melanostola</i> Schmitz, 1942: 12 (<i>Megaselia</i>) – HT, T	S+P
<i>memorabilis</i> Schmitz, 1927: 99 (<i>Vervanus</i>) – HT	S
<i>mendesi</i> Schmitz, 1938: 175 (<i>Lepta</i>) – PT	P
<i>meneghetii</i> Schmitz, 1951: 164 (<i>Puliciphora</i>) – PT	S
<i>mergelsbergi</i> Schmitz, 1936: 39 (<i>Termitostroma</i>) – HT	S
<i>michaelis</i> Schmitz, 1915: 107 (<i>Megaselia</i>) – T	P
<i>miki</i> Schmitz, 1929: 127 (<i>Megaselia</i>) – ST, PT	S+P
<i>minima</i> Schmitz 1927 (<i>Diplonevra</i>) – T	P
<i>minor</i> Beyer, 1958: 20 (<i>Borophaga</i>) – CT*	P
<i>minor</i> Zetterstedt, 1848: 2864 (<i>Megaselia</i>) – PT	P
<i>minuscula</i> Schmitz, 1953: 290 (<i>Conicera</i>) – T, CT	P
<i>mirabilis</i> Wasmann, 1900: 610 (<i>Termitomyia</i>) – CT	P
<i>mirifica</i> Schmitz, 1939: 35–36 (<i>Bothroprosopa</i>) – T*	P
<i>mixta</i> Schmitz, 1918: 61 (<i>Megaselia</i>) – T	S+P
<i>montana</i> Schmitz, 1935: 89 (<i>Megaselia</i>) – HT, T	S+P
<i>nasoni</i> Malloch, 1914: 58 (<i>Megaselia</i>) – T, PT, CT	P
<i>natalensis</i> Schmitz, 1927: 68, 73 (<i>Brachyselia</i>) – PT	P
<i>neotropica</i> Brues, 1919: 503 (<i>Beckerina</i>) – PT*	P+S
Remarks: Slide in Beyer collection.	
<i>nepenthina</i> Schmitz, 1955: 65 (<i>Megaselia</i>) – PT, CT, T	S+P
<i>nevadae</i> Schmitz, 1957: 242 (<i>Metopina</i>) – HT, PT, AL, T, CT	S+P
<i>niger</i> Schmitz, 1939: 99 (<i>Tarsocrates</i>) – CT	P
<i>nigra</i> Meigen, 1830: 218 (<i>Megaselia</i>) – T	P
<i>nigrans</i> Schmitz, 1935: 57 (<i>Megaselia</i>) – HT, PT, CT	S+P
<i>nigriceps</i> Loew, 1866: 53 (<i>Megaselia</i>) – T	P
<i>nigrifemorata</i> Santos Abreu, 1921: 44 (<i>Megaselia</i>) – HT, T	S+P
<i>nigrita</i> Schmitz, 1932: 119 (<i>Phalacrotophora</i>) – T	P
<i>nigriventris</i> Borgmeier, 1959: 194 (<i>Edaphomyia</i>) – CT	P
<i>nipponica</i> Schmitz, 1951: 145 (<i>Triphleba</i>) – T	P
<i>nobilis</i> Schmitz, 1933: 44 (<i>Pletylsynochaeta</i>) – PT	P
<i>norica</i> Schmitz, 1929: 129 (<i>Megaselia</i>) – HT	P
<i>novembrina</i> Schmitz, 1943: 180 (<i>Triphleba</i>) – T, CT	P
<i>oblongifrons</i> Schmitz, 1939: 181 (<i>Megaselia</i>) – HT, T	S+P
<i>obscura</i> Zetterstedt, 1848: 2884 (<i>Phora</i>) – T, CT	P
<i>obscurior</i> Schmitz 1939: 88 (<i>Palpocrates</i>) – CT	P
<i>obscuripes</i> Schmitz, 1927: 98 (<i>Menozziola</i>) – HT	S
<i>obscurus</i> Borgmeier, 1923: 958 (<i>Apocephalus</i>) – PT	P
<i>occidentata</i> Malloch, 1912: 438 (<i>Phora</i>) – ST, PT, T	P
<i>ocelliscaptus</i> Schmitz, 1955: 48 (<i>Aenigmatus</i>) – PT	P
<i>ochripes</i> Schmitz, 1953: 206 (<i>Megaselia</i>) – PT, CT, NT	S+P
<i>ocilferia</i> Schmitz, 1939: 184 (<i>Megaselia</i>) – HT	P
<i>offuscata</i> Schmitz, 1921: 4 (<i>Megaselia</i>) – LT, PT, T	S+P
<i>oldenbergi</i> Schmitz, 1919: 191 (<i>Vervanus</i>) – T	P
<i>oligoneura</i> Mik, 1867: 414 (<i>Metopina</i>) – PT	S
<i>opacicornis</i> Schmitz, 1949: 79 (<i>Megaselia</i>) – HT	S
<i>orbicularis</i> Schmitz, 1914: 536 (<i>Aenigmatopoeus</i>) – T	S
<i>orientalis</i> Beyer, 1958: 20 (<i>Borophaga</i>) – CT*	P
<i>orientalis</i> Schmitz, 1926: 50 (<i>Woodiophora</i>) – HT, T	S+P
<i>oudemansi</i> Schmitz, 1932: 126 (<i>Phalacrotophora</i>) – T	P
<i>oxybelorum</i> Schmitz, 1928: 131 (<i>Megaselia</i>) – ST	S
<i>pachycera</i> Schmitz 1927 (<i>Diplonevra</i>) – LT	P
<i>pachydactyla</i> Schmitz, 1953: 221 (<i>Megaselia</i>) – PT, T, CT	S+P
<i>palaestinensis</i> Enderlein, 1933: 208 (<i>Megaselia</i>) – PT	P

<i>palliata</i> Schmitz, 1958: 40 (<i>Morahania</i>) – CT	P
<i>pallicauda</i> Schmitz, 1934: 152 (<i>Puliciphora</i>) – HT	S
<i>palpatus</i> Schmitz, 1938: 169 (<i>Pseudaceton</i>) – PT	P
<i>paolii</i> Schmitz, 1928: 11 (<i>Dolrniophora</i>) – HT, PT	S
<i>paradoxa</i> Schmitz, 1949: 78 (<i>Phalacrotophora</i>) – HT, T	S+P
<i>parumlevata</i> Schmitz, 1936: 80 (<i>Megaselia</i>) – HT, PT	S
<i>parvula</i> Schmitz, 1927: 95 (<i>Woodiophora</i>) – CT	P
<i>patriizii</i> Schmitz, 1951: 130 (<i>Psyllomyia</i>) – PT	S
<i>pauxilla</i> Schmitz, 1920: 108 (<i>Conicera</i>) – HT, CT	P
<i>pectinifera</i> Schmitz, 1926: 103 (<i>Megaselia</i>) – HT	S+P
<i>pectoralis</i> Wood, 1910: 153 (<i>Megaselia</i>) – CT	P
<i>pectorella</i> Schmitz, 1929: 116 (<i>Megaselia</i>) – PT, ST, T	S+P
<i>pectunculata</i> Schmitz, 1927: 130 (<i>Megaselia</i>) – HT, CT	P
<i>pedatella</i> Schmitz, 1926: 78 (<i>Megaselia</i>) – PT*	P+S
Remarks: Slide in Beyer collection.	
<i>penicillata</i> Borgmeier, 1925: 146 (<i>Megaselia</i>) – PT	P
<i>penicillata</i> Schmitz, 1920: 122 (<i>Phora</i>) – ST	P
<i>perdistans</i> Schmitz, 1924: 17 (<i>Megaselia</i>) – T, PT	P
<i>perfusca</i> Schmitz, 1935: 78 (<i>Megaselia</i>) – T	P
<i>persecutrix</i> Schmitz, 1932: 129 (<i>Plastophora</i>) – ST, PT	S+P
<i>philotermes</i> Schmitz, 1931: 176 (<i>Dicranopteron</i>) – HT	P
<i>phoenicura</i> Schmitz, 1926: 81 (<i>Megaselia</i>) – PLT	S
<i>picipes</i> Schmitz, 1927: 93 (<i>Aenigmatias</i>) – HT	S
<i>pileata</i> Schmitz, 1936: 115 (<i>Metopina</i>) – PT, T	S
<i>piliventris</i> Borgmeier, 1925: 186 (<i>Apocephalus</i>) – PT	P
<i>pilosella</i> Schmitz 1927:68 (<i>Diplonevra</i>) – T	P
<i>pilosior</i> Schmitz, 1955: 230 (<i>Thaumatoxena</i>) – PT	S
<i>pinguissima</i> Schmitz, 1936: 38 (<i>Termitoscrofa</i>) – CT	P
<i>platypalpis</i> Borgmeier, 1925: 164 (<i>Apocephalus</i>) – PT	P
<i>pollex</i> Schmitz, 1937: 124 (<i>Megaselia</i>) – T, CT	P+S
<i>portentum</i> Schmitz, 1925: 40 (<i>Trophithauma</i>) – T	S
<i>posticata</i> Strobl, 1898: 591 (<i>Megaselia</i>) – T	P
<i>praeacuta</i> Schmitz, 1919: 115 (<i>Megaselia</i>) – HT	S
<i>praepandens</i> Schmitz, 1927: 153 (<i>Phora</i>) – ST, PT, LT, PLT	S+P
<i>pressifrons</i> Schmitz, 1929: 37 (<i>Megaselia</i>) – PT	P
<i>prolongata</i> Schmitz, 1954: 610 (<i>Megaselia</i>) – CT	P
<i>prorsa</i> Schmitz, 1926: 75 (<i>Woodiophora</i>) – PT	P
<i>protarsalis</i> Schmitz, 1927: 114 (<i>Megaselia</i>) – PT, T, CT	P
<i>pubecula</i> Schmitz, 1927: 116 (<i>Megaselia</i>) – ST, T, CT	S+P
<i>pubipes</i> Schmitz, 1920: 123 (<i>Phora</i>) – ST	P
<i>pulcherrima</i> Santos Abreu, 1921: 20 (<i>Megaselia</i>) – T	P
<i>punctifrons</i> Brues, 1924: 207 (<i>Phalacrotophora</i>) – HT, AT*	P+S
Remarks: Slide in Beyer collection.	
<i>quadrinaculata</i> Schmitz, 1926: 49 (<i>Phalacrotophora</i>) – HT, T*	P+S
Remarks: Slide in Beyer collection.	
<i>quadriseta</i> Schmitz, 1941: 34 (<i>Megaselia</i>) – HT, PT	S
<i>raetica</i> Schmitz, 1934: 20 (<i>Megaselia</i>) – HT, PT	S+P
<i>reichenspergeri</i> Schmitz, 1951: 79 (<i>Termitostroma</i>) – PT	S
<i>reichenspergeri</i> Borgmeier, 1923: 178 (<i>Homalophora</i>) – PT	P
<i>renidens</i> Schmitz, 1927: 36 (<i>Triphleba</i>) – T, CT	P
<i>rivalis</i> Wood, 1909: 26 (<i>Megaselia</i>) – T, CT	P
<i>robusta</i> Schmitz, 1928: 30 (<i>Megaselia</i>) – HT, CT	S+P
<i>romphaea</i> Schmitz, 1947: 114 (<i>Plastophora</i>) – HT, ST	S+P
<i>rostratum</i> Schmitz, 1924: 300 (<i>Assmutherium</i>) – ST, T	S+P
<i>rubella</i> Schmitz, 1920: 148 (<i>Megaselia</i>) – CT, PT	S+P
<i>rubicornis</i> Schmitz, 1919: 193 (<i>Megaselia</i>) – HT	S

<i>rufa</i> Wood, 1908: 170 (<i>Megaselia</i>) – T	P
<i>rufipalpis</i> Schmitz 1939: 86 (<i>Palpocrates</i>) – CT	P
<i>rufithorax</i> Schmitz, 1939: 98 (<i>Triphleba</i>) – CT	P
<i>rupestris</i> Schmitz, 1934: 30 (<i>Megaselia</i>) – HT	S+P
<i>runalis</i> Schmitz, 1937: 120 (<i>Megaselia</i>) – HT	S
<i>sanguinea</i> Schmitz, 1922: 98 (<i>Megaselia</i>) – HT	S
<i>scabra</i> Schmitz, 1926: 56 (<i>Megaselia</i>) – T, PT	S+P
<i>scalaris</i> Loew, 1866: 53 (<i>Megaselia</i>) – T	P
<i>schmitzi</i> Menozzi, 1921: 70 (<i>Menozziola</i>) – HT	S
<i>schmitzi</i> Reichensperger, 1931: 299 (<i>Termitostroma</i>) – LT, CT	S+P
<i>schmittuani</i> Schmitz, 1926: 126 (<i>Conicera</i>) – CT, PT	P
<i>schutti</i> Schmitz, 1936: 190 (<i>Megaselia</i>) – HT, T	S+P
<i>secundus</i> Schmitz, 1928: 102 (<i>Chionocephalus</i>) – LT	S
<i>senifurcata</i> Borgmeier, 1923: 629 (<i>Chaetoplenrophora</i>) – PT	P
<i>senilutea</i> Schmitz, 1953: 308 (<i>Plethysmochaeta</i>) – CT	P+S
<i>septentrionalis</i> Schmitz, 1919: 194 (<i>Megaselia</i>) – HT	S
<i>serialis</i> Schmitz, 1938: 165 (<i>Menozziola</i>) – H	P
<i>sesquicornis</i> Schmitz 1927: 59 (<i>Diplonevra</i>) – ST	P
<i>setulipalpis</i> Schmitz, 1938: 187 (<i>Megaselia</i>) – HT, CT	S+P
<i>sinuifrons</i> Schmitz, 1934: 31 (<i>Megaselia</i>) – T	P
<i>sinuata</i> Schmitz, 1926: 105 (<i>Megaselia</i>) HT, T, CT	S+P
<i>sobria</i> Schmitz, 1936: 71 (<i>Conicera</i>) – T	P
<i>sodalis</i> Schmitz, 1951: 144 (<i>Aenigmatopoeus</i>) – PT	S+P
<i>solitaria</i> Schmitz, 1934: 65 (<i>Megaselia</i>) – HT, T	S+P
<i>sordescens</i> Schmitz, 1927: 129 (<i>Megaselia</i>) – HT, PT, CT	S+P
<i>sordida</i> Zetterstedt, 1838: 796 (<i>Megaselia</i>) – CT	P
<i>specularis</i> Schmitz, 1935: 81 (<i>Megaselia</i>) – HT, T	S+P
<i>speiseri</i> Schmitz, 1929: 124 (<i>Megaselia</i>) – HT, T	S+P
<i>spinosa</i> Schmitz, 1935: 71 (<i>Chaetoplenrophora</i>) – T	P
<i>spiniosior</i> Schmitz, 1938: 180 (<i>Chaetoplenrophora</i>) – T, CT	P
<i>spiracularis</i> Schmitz, 1938: 81 (<i>Megaselia</i>) – HT, PT	P
<i>spodiaca</i> Schmitz, 1926: 78 (<i>Megaselia</i>) – HT	S
<i>stictica</i> Meigen, 1830: 225 (<i>Phora</i>) – CT	P
<i>stigmatica</i> Schmitz 1920: 118 (<i>Megaselia</i>) – T	S+P
<i>striolata</i> Schmitz, 1940: 50 (<i>Megaselia</i>) – HT, PT, CT	S+P
<i>strobli</i> Becker, 1901: 36 (<i>Spiniphora</i>) – HT	P
<i>subconpleta</i> Schmitz, 1927: 34 (<i>Triphleba</i>) – T, CT	P
<i>subfraudulenta</i> Schmitz, 1933: 100 (<i>Megaselia</i>) – HT, PT	P
<i>subfuscipes</i> Schmitz, 1935: 93 (<i>Megaselia</i>) – HT, CT	S+P
<i>subnudipennis</i> Schmitz, 1919: 117 (<i>Megaselia</i>) – T	P
<i>subpalpalis</i> Lundbeck, 1920: 18 (<i>Megaselia</i>) – PT	P
<i>subscaura</i> Schmitz, 1932: 129 (<i>Megaselia</i>) – CT	P
<i>sudanica</i> Schmitz, 1939: 261, 266 (<i>Thanmatoxena</i>) – HT	S
<i>sulphuripes</i> Meigen, 1830: 219 (<i>Megaselia</i>) – T	S
<i>sulphuriventris</i> Borgmeier & Schmitz, 1923: 130 (<i>Megaselia</i>) – PT	P
<i>superpilosa</i> Bridarolli, 1951: 52 (<i>Megaselia</i>) – CT	P
<i>surdifrons</i> Wood, 1909: 27 (<i>Megaselia</i>) – T	P
<i>tama</i> Schmitz, 1926: 77 (<i>Megaselia</i>) – HT, PT, T, CT	S+P
<i>tarsalis</i> Schmitz, 1920: 108 (<i>Conicera</i>) – HT, T	S+P
<i>tarsicia</i> Schmitz, 1926: 101 (<i>Megaselia</i>) – PT, CT	P
<i>tenebricola</i> Schmitz, 1934: 32 (<i>Megaselia</i>) – HT	P
<i>teneripes</i> Schmitz, 1957: 237 (<i>Megaselia</i>) – T	S+P
<i>termitohphila</i> Schmitz, 1913: 268 (<i>Bolsiusia</i>) – HT	S
<i>termitum</i> Schmitz, 1926: 15 (<i>Puliciphora</i>) – ST	S
<i>testacea</i> Schmitz, 1938: 192 (<i>Megaselia</i>) – HT	P
<i>thalhammeri</i> Schmitz, 1935: 8 (<i>Megaselia</i>) – HT, T	S+P

<i>tibialis</i> Schmitz, 1925: 119 (<i>Conicera</i>) – CT	P
<i>tiucta</i> Schmitz, 1920: 124 (<i>Phora</i>) – LT, PLT	P
<i>tobaica</i> Schmitz, 1931: 469 (<i>Endonepenthia</i>) – CT	P
<i>tonnoiri</i> Schmitz, 1939: 67 (<i>Autipodiphora</i>) – CT	P
<i>transparens</i> Schmitz, 1922: 35 (<i>Triphleba</i>) – T, CT	P
<i>transvaalensis</i> Schmitz, 1940: 65 (<i>Aenigmatus</i>) – PT	P
<i>trichopleura</i> Borgmeier, 1924: 172 (<i>Brachycephaloptera</i>) – PT	P
<i>tripliciseta</i> Schmitz & Wirth, 1954: 116 (<i>Phora</i>) – PT	P
Remarks: Genitalia dissected, in microvial.	
<i>triqueta</i> Schmitz, 1927: 129 (<i>Megaselia</i>) – HT, T	S+P
<i>trochanteralis</i> Schmitz, 1953: 209 (<i>Metopina</i>) – T	S+P
<i>trochanterica</i> Schmitz, 1926: 53 (<i>Megaselia</i>) – HT	S
<i>trogodytica</i> Schmitz, 1950: 113 (<i>Megaselia</i>) – T, CT	P
<i>tumidula</i> Schmitz, 1918: 33 (<i>Triphleba</i>) – ST	S
<i>ultrabrevis</i> Schmitz, 1937: 126 (<i>Megaselia</i>) – CT	S+P
<i>umbrata</i> Schmitz, 1936: 74 (<i>Exochaeta</i>) – HT, PT	S
<i>undulans</i> Schmitz, 1940: 55 (<i>Megaselia</i>) – CT, T, PT	S+P
<i>unicolor</i> Schmitz, 1919: 113 (<i>Megaselia</i>) – T, PT	P
<i>unisetalis</i> Schmitz 1935: 5 (<i>Diplonevra</i>) – PLT	P
<i>unispinalis</i> Schmitz 1927: 60 (<i>Diplonevra</i>) – PLT	P
<i>ustulata</i> Schmitz, 1920: 150 (<i>Megaselia</i>) – HT, T	S
<i>uvirana</i> Schmitz, 1955: 65 (<i>Termitophilomyia</i>) – CT	S+P
<i>valvata</i> Schmitz, 1935: 10 (<i>Megaselia</i>) – T	P
<i>varians</i> Schmitz, 1929: 29 (<i>Tropophleba</i>) – PT	S
<i>variegata</i> Schmitz, 1937: 140 (<i>Megaselia</i>) – T, CT	P
<i>vectabilis</i> Brues, 1913: 336 (<i>Plethysmochaeta</i>) – PT	P
<i>vidua</i> Schmitz 1937: 139 (<i>Kuenburgia</i>) – T, CT	P
<i>villicauda</i> Schmitz, 1927: 143 (<i>Megaselia</i>) – HT, PT	P
<i>virilis</i> Schmitz, 1919: 116 (<i>Megaselia</i>) – T, PT	S+P
<i>vittipennis</i> Schmitz, 1932: 121 (<i>Phalacrotophora</i>) – HT, T*	P+P
Remarks: slide in Beyer collection.	
<i>waagei</i> Schmitz, 1935: 70 (<i>Megaselia</i>) – HT, T	S+P
<i>wasmanni</i> Schmitz, 1928: 67 (<i>Xanionotum</i>) – ST	S
<i>wasmanni</i> Schmitz, 1938: 24 (<i>Indoxenia</i>) – HT, CT	S+P
<i>xanthogastra</i> Schmitz, 1940: 54 (<i>Megaselia</i>) – HT, PT	P
<i>zikani</i> Schmitz, 1924: 33 (<i>Cremersia</i>) – PT	P

TYPES IN THE BEYER COLLECTION

AL – allotype, CT – cotype, HT – holotype, LT – lectotype, PT – paratype, T – type, ST – syntype, S – microscope slide, P – pinned
(* Also in the Schmitz collection)

<i>abalienata</i> Beyer, 1965: 17 (<i>Megaselia</i>) – T	S
<i>abalienata</i> Beyer, 1965: 172 (<i>Diplonevra</i>) – T	S
<i>abdominalis</i> Beyer, 1958: 57 (<i>Megaselia</i>) – PT	S+P
<i>aestiva</i> Beyer, 1966: 18 (<i>Megaselia</i>) – PT	S+P
<i>amplificosta</i> Beyer, 1958: 57, 64 (<i>Megaselia</i>) – PT	S+P
<i>anomaliseta</i> Beyer, 1958: 57, 63 (<i>Megaselia</i>) – PT	S+P
<i>anticonigra</i> Beyer, 1958: 46 (<i>Megaselia</i>) – PT	S+P
<i>antiguensis</i> Malloch, 1912: 502 (<i>Pseudacetone</i>) – PT	P
<i>apicalis</i> Brues, 1936: 366 (<i>Spiniphora</i>) – PT	P
<i>apicinebula</i> Beyer 1958: 16 (<i>Dohrniphora</i>) – PT, CT*	P
<i>appendiculata</i> Brues, 1936: 377, 435 (<i>Megaselia</i>) – Al	S
<i>appetens</i> Beyer, 1965: 83 (<i>Megaselia</i>) – PT	S
<i>armigera</i> Borgmeier, 1925: 162 (<i>Diocophora</i>) – PT	P
<i>artangula</i> Beyer, 1965: 93 (<i>Megaselia</i>) – PT, T	S

<i>atricornis</i> Beyer, 1958: 46 (<i>Megaselia</i>) – PT, CT	P
<i>australis</i> Beyer, 1966: 171 (<i>Paraphiura</i>) – T	S
<i>basilewskyi</i> Beyer, 1960: 413 (<i>Diplonevra</i>) – T	S
<i>basitarsalis</i> Beyer, 1964: 380 (<i>Megaselia</i>) – T	S+P
<i>biseta</i> Beyer, 1960: 26 (<i>Megaselia</i>) – PT	S
<i>boninensis</i> Beyer, 1967: 336 (<i>Megaselia</i>) – T	S
<i>borgmeieri</i> Beyer, 1965: 109 (<i>Megaselia</i>) – PT	S
<i>breviuscula</i> Brues, 1924: 211 (<i>Megaselia</i>) – T	S
<i>brunella</i> Beyer, 1958: 32 (<i>Conicera</i>) – PT	P
<i>brunneicornis</i> Beyer, 1958: 28 (<i>Stichillus</i>) – PT, CT*	P
<i>burmensis</i> Beyer, 1958: 57 (<i>Megaselia</i>) – PT	P
<i>burmicola</i> Beyer, 1958: 34 (<i>Beckerina</i>) – PT, CT*	S+P
<i>capensis</i> Beyer, 1959: 380 (<i>Megaselia</i>) – T	S
<i>chrysophora</i> Beyer, 1967: 335 (<i>Megaselia</i>) – HT	S+P
<i>colyeri</i> Beyer, 1966: 182 (<i>Megaselia</i>) – T	S
<i>comans</i> Beyer, 1958: 4 (<i>Burmophora</i>) – PT	S
<i>completior</i> Beyer, 1958: 34 (<i>Macroselia</i>) – PT	S+P
<i>conflugens</i> Borgmeier, 1964: 293 (<i>Megaselia</i>) – PT	P
<i>consobrina</i> Beyer, 1958: 40 (<i>Megaselia</i>) – PT	P
<i>costella</i> Beyer, 1965: 161 (<i>Megaselia</i>) – T	S
<i>criniloba</i> Beyer, 1966: 197 (<i>Megaselia</i>) – T	S
<i>crosskeyi</i> Beyer, 1965: 174 (<i>Megaselia</i>) – T	S
<i>ctenochaeta</i> Beyer, 1958: 9 (<i>Triphleba</i>) – PT, CT*	P
<i>ctenophora</i> Beyer, 1965: 101 (<i>Megaselia</i>) – T	S
<i>curiosa</i> Beyer, 1958: 36 (<i>Egregiophora</i>) – PT, CT*	S+P
<i>curtibarba</i> Beyer, 1964: 278 (<i>Megaselia</i>) – PT	S
<i>curtissima</i> Beyer, 1967: 336 (<i>Megaselia</i>) – PT	S+P
<i>deceptor</i> Beyer, 1966: 168 (<i>Stichillus</i>) – Al	S
<i>deceptrix</i> Beyer, 1966: 202 (<i>Megaselia</i>) – PT	S
<i>dennerti</i> Disney & Beyer, 2005: 155 (<i>Megaselia</i>) – T	S
<i>densior</i> Schmitz, 1927: 131 (<i>Megaselia</i>) – ST	S
<i>dichroma</i> Beyer, 1958: 57 (<i>Megaselia</i>) – PT	S+P
<i>difficilis</i> Malloch, 1912: 484 (<i>Megaselia</i>) – PT	P
<i>discolor</i> Beyer, 1958: 39 (<i>Megaselia</i>) – T	S
<i>discrepans</i> Beyer, 1965: 202 (<i>Mollicanda</i>) – T	S
<i>discrepans</i> Borgmeier, 1971: 52 (<i>Megaselia</i>) – T	S
<i>dreisbachi</i> Borgmeier, 1964: 332 (<i>Megaselia</i>) – PT	S+P
<i>elongatus</i> Beyer, 1959: 55, 56 (<i>Aenigmatistes</i>) – PT	P
<i>eumimeta</i> Beyer, 1959: 23 (<i>Borophaga</i>) – PT	S
<i>excisa</i> Beyer, 1966: 187 (<i>Megaselia</i>) – T	S
<i>excisoides</i> Beyer, 1966: 188 (<i>Megaselia</i>) – T	S
<i>fallax</i> Beyer, 1958: 27 (<i>Stichillus</i>) – PT	P
<i>fimbriiterga</i> Beyer, 1966: 177 (<i>Phalacrotophora</i>) – T	S
<i>flarifrons</i> Beyer, 1958: 39 (<i>Megaselia</i>) – HT	S
<i>flavibasis</i> Beyer, 1958: 57 (<i>Megaselia</i>) – PT	P
<i>forticosta</i> Beyer, 1958: 57 (<i>Megaselia</i>) – PT	P
<i>fraudans</i> Beyer, 1960: 1 (<i>Dohrniphora</i>) – PT	S+P
<i>fraudulatrix</i> Beyer, 1958: 46 (<i>Megaselia</i>) – PT	S+P
<i>frontalis</i> Borgmeier, 1958: 310 (<i>Neophora</i>) – CT	P
<i>frontella</i> Beyer, 1966: 209 (<i>Megaselia</i>) – PT	S+P
<i>furcatilis</i> Beyer, 1964: 279 (<i>Megaselia</i>) – PT	S
<i>furcellans</i> Beyer, 1966: 186 (<i>Megaselia</i>) – T	S
<i>gigantea</i> Beyer, 1966: 175 (<i>Phalacrotophora</i>) – PT	S+P
<i>gressitti</i> Beyer, 1966: 173 (<i>Phalacrotophora</i>) – PT	S+P

<i>gressitti</i> Beyer, 1967: 336 (<i>Megaselia</i>) – PT	S
<i>hercules</i> Beyer, 1965: 13 (<i>Diplonevra</i>) – PT	S
<i>heterochaeta</i> Beyer, 1966: 202 (<i>Megaselia</i>) – PT	S+P
<i>inexpectata</i> Beyer, 1958: 71 (<i>Gymnophora</i>) – PT	S+P
<i>inflata</i> Beyer, 1958: 21 (<i>Borophaga</i>) – PT	S+P
<i>insperatus</i> Brues, 1911: 439 (<i>Stichillus</i>) – T*	P
<i>irregularis</i> Beyer, 1958: 46 (<i>Megaselia</i>) – PT	S+P
<i>jheringi</i> Borgmeier, 1923: 158 (<i>Megaselia</i>) – PT	P
<i>kerteszi</i> Enderlein, 1912: 48 (<i>Pseudohypocera</i>) – PT	P
<i>leleupi</i> Beyer, 1960: 421 (<i>Megaselia</i>) – T	S
<i>lougibarba</i> Beyer, 1964: 283 (<i>Megaselia</i>) – PT	S+P
<i>lucida</i> Beyer, 1958: 14 (<i>Diplonevra</i>) – PT	P
<i>lucida</i> Bridarolli, 1937: 64 (<i>Megaselia</i>) – CT	P
<i>maculiterga</i> Beyer, 1958: 70 (<i>Phalacrotophora</i>) – HT	S
<i>magna</i> Beyer, 1959: 72 (<i>Megaselia</i>) – HT	S
<i>malaisei</i> Beyer, 1958: 46 (<i>Megaselia</i>) – PT, CT	S+P
<i>manca</i> Brues, 1907: 408 (<i>Megaselia</i>) – T	S
<i>maranguensis</i> Beyer, 1960: 2 (<i>Megaselia</i>) – T	S
<i>maruorata</i> Schmitz, 1929: 41 (<i>Plethysmochaeta</i>) – T	S
<i>micronesiae</i> Beyer, 1967: 336 (<i>Megaselia</i>) – T, PT	S+P
<i>mixticolor</i> Beyer, 1958: 40 (<i>Megaselia</i>) – PT	P
<i>morenifrons</i> Borgmeier, 1967: 62 (<i>Megaselia</i>) – T	S
<i>morosa</i> Beyer, 1965: 69 (<i>Megaselia</i>) – PT	P
<i>necrophaga</i> Enderlein, 1912: 49 (<i>Megaselia</i>) – PT	P
<i>nedae</i> Malloch, 1912: 448 (<i>Phalacrotophora</i>) – PT	P
<i>nepheloptera</i> Beyer, 1966: 212 (<i>Metopina</i>) – T	S
<i>nigribasis</i> Beyer, 1966: 200 (<i>Megaselia</i>) – T	S
<i>nipponensis</i> Beyer, 1958: 104 (<i>Spiniphora</i>) – PT	S
<i>notabilis</i> Beyer, 1965: 178 (<i>Megaselia</i>) – T	S
<i>novaguineae</i> Beyer, 1966: 166 (<i>Diplonevra</i>) – T	S
<i>obscurata</i> Enderlein, 1912: 35 (<i>Megaselia</i>) – T	S
<i>offuscata</i> Schmitz, 1921: 4 (<i>Megaselia</i>) – ST	S
<i>pachycostalis</i> Borgmeier, 1923: 51 (<i>Borophaga</i>) – CT	P
<i>pallidanteunata</i> Beyer, 1965: 155 (<i>Megaselia</i>) – T	S
<i>palpella</i> Beyer, 1967: 336 (<i>Megaselia</i>) – PT	S+P
<i>parvicornis</i> Borgmeier, 1958: 383 (<i>Paraphiochaeta</i>) – CT	P
<i>peniculifera</i> Beyer, 1965: 107 (<i>Megaselia</i>) – PT	S
<i>pentagonalis</i> Beyer, 1929: 61 (<i>Ceratophoromyia</i>) – PT	P
<i>percaeca</i> Beyer, 1965: 122 (<i>Megaselia</i>) – T	S
<i>perlonga</i> Beyer, 1966: 174 (<i>Phalacrotophora</i>) – T	S
<i>pertincta</i> Beyer, 1958: 39 (<i>Megaselia</i>) – T	S
<i>phoenicura</i> Schmitz, 1926: 81 (<i>Megaselia</i>) – T	S
<i>pilosella</i> Beyer, 1965: 130 (<i>Megaselia</i>) – T	S
<i>poliifrons</i> Brues, 1936: 378 (<i>Megaselia</i>) – T	S
<i>priscus</i> Beyer, 1959: 55, 58 (<i>Aenigmatistes</i>) – PT	P
<i>proclinans</i> Beyer, 1965: 39 (<i>Phalacrotophora</i>) – AL	S
<i>rhenana</i> Beyer & Schmitz, 1957: 233 (<i>Metopina</i>) – T, PT*	P
<i>rhynchophora</i> Beyer, 1960: 414 (<i>Dohrniphora</i>) – T	S
<i>rufibasis</i> Beyer, 1959: 2 (<i>Borophaga</i>) – PT	P
<i>rutilipes</i> Beyer, 1958: 57 (<i>Megaselia</i>) – PT	S+P
<i>secreta</i> Beyer, 1958: 57 (<i>Megaselia</i>) – PT, T	S+P
<i>sejuncta</i> Beyer, 1967: 335 (<i>Megaselia</i>) – PT	P
<i>semirufa</i> Beyer, 1958: 24 (<i>Hypocera</i>) – PT*	S+P
<i>sextaperta</i> Beyer, 1958: 46 (<i>Megaselia</i>) – PT	P

<i>sextosetosa</i> Beyer, 1966: 204 (<i>Megaselia</i>) – T	S
<i>siamensis</i> Beyer, 1966: 188 (<i>Megaselia</i>) – T	S
<i>sinia</i> Beyer, 1965: 26 (<i>Borophaga</i>) – PT	S
<i>simillima</i> Beyer, 1958: 30 (<i>Anervina</i>) – PT	S
<i>simiola</i> Borgmeier, 1966: 78 (<i>Megaselia</i>) – T	S+P
<i>simiolus</i> Beyer, 1964: 300 (<i>Conocephalus</i>) – PT	S
<i>sokotrana</i> Beyer, 1965: 60 (<i>Megaselia</i>) – PT	S+P
<i>solomonis</i> Beyer, 1967: 266 (<i>Woodiphora</i>) – T	S
<i>speculiclara</i> Beyer, 1958: 7 (<i>Triphleba</i>) – PT, HT*	P
<i>sphaeropyge</i> Beyer, 1958: 30 (<i>Anervina</i>) – PT	S+P
<i>spinulicosta</i> Beyer, 1965: 19 (<i>Hypocerides</i>) – T	S
<i>subagilis</i> Beyer, 1958: 22 (<i>Borophaga</i>) – PT	S+P
<i>subnudiseta</i> Beyer, 1958: 40 (<i>Megaselia</i>) – HT	S
<i>subsinuosus</i> Beyer, 1958: 29 (<i>Stichillus</i>) – PT, CT*	P
<i>subulicanda</i> Schmitz, 1929: 39 (<i>Megaselia</i>) – PT	S+P
<i>tenebricior</i> Beyer, 1967: 336 (<i>Megaselia</i>) – T	S
<i>tenericoma</i> Beyer, 1965: 168 (<i>Megaselia</i>) – PT	S
<i>tenuibasis</i> Beyer, 1960: 419 (<i>Megaselia</i>) – T	S
<i>tenuivena</i> Beyer, 1958: 8 (<i>Triphleba</i>) – PT	S
<i>tetricifrons</i> Beyer, 1967: 336 (<i>Megaselia</i>) – PT	S
<i>texanus</i> Greene, 1938: 182 (<i>Myrnosicarius</i>) – PT	P
<i>thoracalis</i> Beyer, 1958: 17 (<i>Borophaga</i>) – PT	P
<i>tokyoensis</i> Beyer, 1966: 184 (<i>Plastophora</i>) – T	S
<i>unispinosa</i> Zetterstedt, 1860: 6475 (<i>Anevrina</i>) – PT	P
<i>varians</i> Beyer, 1958: 12 (<i>Diplonevra</i>) – PT, CT*	S+P
<i>vernalis</i> Wood, 1909: 119 (<i>Megaselia</i>) – T	S
<i>vernicea</i> Beyer, 1966: 176 (<i>Phalacrotophora</i>) – T	S
<i>vernica</i> Beyer, 1966: 210 (<i>Megaselia</i>) – T	S
<i>xanthopyge</i> Beyer, 1965: 142 (<i>Megaselia</i>) – T	S
<i>zebrina</i> Beyer, 1964: 288 (<i>Megaselia</i>) – PT	S

Family: Pipunculidae

goennersdorfeusis Dempewolf & Dunk, 1996: 93 (*Eudorylas*) – male HT; 20 males, 19 females PT (all in alc.)

johnenae Dempewolf, 1996: 89 (*Eudorylas*) – male HT (in alc.)

Remarks: Genitalia dissected in separate tube.

vineti Dempewolf, 1996: 87 (*Eudorylas*) – female HT; 1 male, 7 females PT (all in alc.)

vonderdunki Dempewolf, 1998: 535 (*Eudorylas*) – male HT; 22 males PT (all in alc.)

REFERENCES

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- Dempewolf M, Dunk K von der (1996) A new *Eudorylas* species from southern and western Germany (Diptera, Pipunculidae). *Studia dipterologica* 3: 93–96

Family: Platystomatidae

polistiformis flavipilosa Enderlein, 1924: 102 (*Xenaspis*) – 1 male ST

Remarks: Synonym of *polistiformis* Enderlein.

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- Enderlein G (1924) Beiträge zur Kenntnis der Platystominen. *Mitteilungen aus dem Zoologischen Museum in Berlin* 11: 97–153

Family: Psychodidae

andalusica Wagner, 1979: 195 (*Saraiella*) – male HT; 1 male PT

Remarks: Mounted on microscope slide.

magna Wagner, 1979: 183 (*Saraiella*) – male HT; 1 male PT

Remarks: Mounted on microscope slide.

REFERENCES

Wagner R (1979) Zwei neue Psychodiden (Diptera: Psychodidae). Entomologische Zeitschrift 89: 193–196

Family: Ptychopteridae

helena Peus, 1958: 31 (*Liriope*) – 2 males, 1 female PT
hugoi Tjeder, 1968: 78 (*Ptychoptera*) – 1 male PT (in alc.)

REFERENCES

Peus F (1958) 10b. Liriopeidae. In: Lindner, E. (ed.) Die Fliegen der palaearktischen Region 3(1), Lief. 200: 10–44
 Tjeder B (1968) Notes on the Scandinavian Ptychopteridae, with description of a new species (Diptera). Opuscula Entomologica 33(1/2): 73–79

Family: Sciaridae

The following is a preliminary list obtained from Menzel & Mohrig (2000). The material is on long term loan to Dr. F. Menzel and all type material has not yet been completely documented and identified. All present generic combinations are from Menzel & Mohrig (2000).

aestivalis Winnertz, 1871: 853 (*Sciara*) – male LT
Remarks: Synonym of *B. pauperata* (Winnertz).
alacris Winnertz, 1867: 76 (*Sciara*) – male LT
Remarks: Synonym of *B. nitidicollis* (Meigen).
alna Winnertz, 1871: 860 (*Sciara*) – male LT
Remarks: Synonym of *B. amoena* (Winnertz).
amoena Winnertz, 1867: 114 (*Sciara*) – 1 male PLT
Remarks: Assigned to *Bradysia* Winnertz.
aprica Winnertz, 1867: 161 (*Sciara*) – male LT
Remarks: Assigned to *Bradysia*.
auripila Winnertz, 1867: 163 (*Sciara*) – male LT; 1 male PLT
Remarks: Assigned to *Lycoriella* Frey.
autumnalis Winnertz, 1867: 144 (*Sciara*) – male LT
Remarks: Synonym of *Ctenosciara hyalipennis* (Meigen).
betuleti Lengersdorf, 1940: 25 (*Neosciara*) – male LT
Remarks: Synonym of *B. hilaris* (Winnertz).
bicuspidata Lengersdorf, 1926: 249 (*Sciara*) – 1 male PLT
Remarks: Assigned to *Corynoptera* Winnertz.
bistrispina Bukowski & Lengersdorf, 1936: 109 (*Neosciara*) – male LT
Remarks: Assigned to *Corynoptera*.
blanda Winnertz, 1867: 152 (*Sciara*) – male LT
Remarks: Assigned to *Corynoptera*.
brachialis Winnertz, 1867: 155 (*Sciara*) – male LT
Remarks: Synonym of *Cratyna (Spathobdella) nobilis* (Winnertz).

brachypeunis Lengersdorf, 1926: 4 (*Bradysia*) – female LT

Remarks: Assigned to *Corynoptera*.

brevicubitalis Lengersdorf, 1926: 6 (*Sciara*) – female LT

Remarks: Assigned to *Lycoriella*.

bruckii Winnertz, 1867: 38 (*Sciara*) – male LT

Remarks: Assigned to *Pseudolycoriella* Menzil & Mohrig

brunnea Bukowski & Lengersdorf, 1936: 107 (*Neosciara*) – male LT

Remarks: Assigned to *Pseudolycoriella*.

castanescens Lengersdorf, 1940: 28 (*Neosciara*) – male LT

Remarks: Assigned to *Lycoriella*.

cellaris Lengersdorf, 1934: 24 (*Neosciara*) – male LT

Remarks: Assigned to *Lycoriella*.

concinua Winnertz, 1867: 150 (*Sciara*) – male LT

Remarks: Assigned to *Corynoptera*.

corticalis Lengersdorf, 1930: 38 (*Lycoria (Neosciara)*) – male LT

Remarks: Synonym of *Cratyna (Cratyna) atra* Winnertz.

cuniculata Lengersdorf, 1942: 433 (*Neosciara*) – male LT; 7 males, 2 females PLT

Remarks: Assigned to *Corynoptera*.

curviforceps Bukowski & Lengersdorf, 1936: 108 (*Neosciara*) – male LT

Remarks: Assigned to *Scatopsciara* Edwards.

curviligula Lengersdorf, 1952: 45 (*Neosciara*) – male LT

Remarks: Assigned to *Corynoptera*; synonym of *clanda* (Winnertz).

dalmatina Lengersdorf, 1937: 140 (*Neosciara*) – male LT; 1 male PLT

Remarks: Assigned to *Bradysia*.

delicata Lengersdorf, 1935: 75 (*Neosciara*) – male LT; 3 females PLT

Remarks: Assigned to *Camptochaeta*.

detriticola Kratochvil, 1936: 14 (*Vimmeria (Lengersdorfia)*) – male LT; 1 female PLT

Remarks: Assigned to *Epidapus* Haliday.

dispar Schmitz, 1927: 28 (*Pnyxia*) – male LT; 1 male, 1 female PLT

Remarks: Synonym of *Pnyxia scabiei* (Hopkins).

diversiabdominalis Lengersdorf, 1941: 65 (*Neosciara*) – 7 males, 6 females PLT

Remarks: Assigned to *Bradysia*.

elegans Winnertz, 1867: 27 (*Sciara*) – male LT

Remarks: Synonym of *Leptosciarella scutellara* (Staeger).

elongata Winnertz, 1867: 49 (*Sciara*) – male LT

Remarks: Synonym of *Leptosciarella rejecta* (Staeger).

falcifera Lengersdorf, 1933: 250 (*Plastosciara*) – male LT

Remarks: Assigned to *Cratyna* Winnertz.

felix Schmitz, 1919: 26 (*Bradysia*) – male LT; 4 males, 2 females PLT

- Remarks:** Assigned to *Lycoriella*.
fera Winnertz, 1867: 136 (*Sciara*) – male LT
Remarks: Synonym of *B. fungicola* Winnertz.
flabellata Lengersdorf, 1942: 180 (*Neosciara*) – male HT
Remarks: Synonym of *Epidapus* (*Pseudoaptanogyna*) *absconditus* (Vimmer). HT is missing.
flaviventris Winnertz, 1867: 116 (*Sciara*) – male LT
Remarks: Synonym of *Lycoriella ingenua* (Dufour).
formosa Winnertz, 1871: 854 (*Sciara*) – female HT
Remarks: Synonym of *B. opaca* (Winnertz).
fusca Winnertz, 1871: 849 (*Sciara*) – 1 male PLT
Remarks: Synonym of *Corynoptera montana* (Winnertz).
glabricollis Winnertz, 1871: 851 (*Sciara*) – 3 females PLT
Remarks: Synonym of *Cratyna schineri* (Winnertz).
grandicellaris Lengersdorf, 1926: 250 (*Sciara*) – 1 female PLT
Remarks: Assigned to *Bradysia*.
halterata Lengersdorf, 1926: 250 (*Sciara*) – 1 female PLT
Remarks: Assigned to *Phytosciara*.
hercyniae Winnertz, 1869: 663 (*Sciara*) – 1 male PLT
Remarks: Synonym of *B. fungicola* (Winnertz).
heydemanni Lengersdorf, 1955: 23 (*Neosciara*) – male LT; 1 female PLT
Remarks: Assigned to *Bradysia*.
hirtula Lengersdorf, 1934: 25 (*Neosciara*) – male HT
Remarks: Assigned to *Camptochaeta*.
hispanna Lengersdorf, 1957: 227 (*Neosciara*) – male LT; 1 female PLT
Remarks: Assigned to *Pseudolycoriella*.
hispida Winnertz, 1871: 847 (*Sciara*) – 1 male PLT
Remarks: Synonym of *Leptosciarella rejecta* (Staeger).
humilis Winnertz, 1867: 117 (*Sciara*) – male LT
Remarks: Synonym of *Lycoriella ingenua* (Dufour).
ignota Lengersdorf, 1942: 179 (*Caenosciara*) – female HT
Remarks: Assigned to *Epidapus*.
inflata Winnertz, 1867: 146 (*Sciara*) – male LT; 6 males PLT
Remarks: Assigned to *Lycoriella*.
latiforceps Bukowski & Lengersdorf, 1936: 107 (*Neosciara*) – 1 male ST
Remarks: Synonym of *Cratyna ambigua* (Lengersdorf).
latifurcata Lengersdorf, 1942: 3 (*Sciara*) – male LT
Remarks: Assigned to *Parapnyxia*.
leclercqi Lengersdorf, 1950: 28 (*Rhynchosciara*) – female HT
Remarks: Synonym of *B. praecox* (Meigen).
lignea Lengersdorf, 1941: 3 (*Neosciara*) – male LT; 5 males PLT
Remarks: Synonym of *Cratyna ambigua* (Lengersdorf).
longicornis Bukowski & Lengersdorf, 1936: 110 (*Neosciara*) – 1 male PLT
Remarks: Assigned to *Corynoptera*; synonym of *subtilis* (Lengersdorf).
longicubitalis Lengersdorf, 1924: 88 (*Cratyna*) – male HT
Remarks: Assigned to *Bradysia*.
longiseta Bukowski & Lengersdorf, 1936: 106 (*Neosciara*) – 1 female PLT
Remarks: Synonym of *Pseudolycoriella morenae* (Strobl).
lugubris Winnertz, 1867: 62 (*Sciara*) – male LT
Remarks: Synonym of *B. pauperata* (Winnertz).
lutaria Winnertz, 1869: 665 (*Sciara*) – 1 male PLT
Remarks: Assigned to *Bradysia*.
luteofusca Bukowski & Lengersdorf, 1936: 106 (*Neosciara*) – 1 male, 1 female PLT
Remarks: Assigned to *Corynoptera*.
melina Schmitz, 1915: 285 (*Pholeosciara*) – female HT
Remarks: Synonym of *Epidapus atomarius* (De Geer).
meridiana Lengersdorf, 1926: 393 (*Sciara*) – 1 female PLT
Remarks: Synonym of *B. alpicola* (Winnertz).
montana Winnertz, 1869: 659 (*Sciara*) – 1 male PLT
Remarks: Assigned to *Corynoptera*.
mutabilis Lengersdorf, 1926: 7 (*Sciara*) – female LT; 1 female PLT
Remarks: Synonym of *B. alpicola* (Winnertz).
myrtilli Winnertz, 1867: 109 (*Sciara*) – male LT
Remarks: Synonym of *B. confinis* (Winnertz).
nana Winnertz, 1871: 854 (*Sciara*) – male LT
Remarks: Assigned to *Scatopsiara*.
nigrescens Winnertz, 1869: 658 (*Sciara*) – 1 male PLT
Remarks: Synonym of *B. confinis* (Winnertz).
nobilis Winnertz, 1867: 135 (*Sciara*) – male HT
Remarks: Assigned to *Cratyna*.
obscuripennis Winnertz, 1867: 55 (*Sciara*) – male LT
Remarks: Synonym of *Leptosciarella scutellara* (Staeger).
occulta Winnertz, 1867: 110 (*Sciara*) – male HT
Remarks: Synonym of *B. confinis* (Winnertz).
ofenkaulis Lengersdorf, 1925: 19 (*Sciara*) – male LT; 2 females PLT
Remarks: Assigned to *Camptochaeta*.
pallidiventris Winnertz, 1867: 150 (*Sciara*) – male LT
Remarks: Assigned to *Bradysia*.
parvula Winnertz, 1867: 122 (*Sciara*) – male LT
Remarks: Assigned to *Corynoptera*.
pavida Winnertz, 1867: 159 (*Sciara*) – male HT
Remarks: Synonym of *Scatopsiara pusilla* (Meigen).
pernitida Edwards, 1915: 165 (*Plastosciara*) – 1 male, 1 female PLT
Remarks: Assigned to *Cratyna*.
perpusilla Winnertz, 1867: 177 (*Corynoptera*) – male LT
placida Winnertz, 1867: 67 (*Sciara*) – 2 males PLT
Remarks: Assigned to *Bradysia*.
platyventralis Lengersdorf, 1957: 228 (*Neosciara*) – female LT
Remarks: Assigned to *Scatopsiara*.

polonica Lengersdorf, 1929: 109 (*Sciara* (*Neosciara*)) – male LT; 3 males PLT

Remarks: Assigned to *Bradysia*.

porrecta Lengersdorf, 1929: 108 (*Sciara* (*Neosciara*)) – male LT; 1 male PLT

Remarks: Assigned to *Phytosciara*.

pullula Winnertz, 1867: 112 (*Sciara*) – male LT

Remarks: Synonym of *B. rufescens* (Zetterstedt).

pumila Winnertz, 1853: 179 (*Zygoneura*) – 4 males ST

Remarks: Synonym of *Epidapus atomarius* (De Geer).

quinquedentata Lengersdorf, 1936: 3 (*Neosciara*) – male LT

Remarks: Synonym of *B. lapponica* (Lengersdorf).

refrigerata Lengersdorf, 1930: 3 (*Neosciara*) – male LT; 1 female PLT

Remarks: Assigned to *Corynoptera*.

seguis Winnertz, 1871: 858 (*Sciara*) – male LT

Remarks: Synonym of *Lycoriella ingenua* (Dufour).

selecta Winnertz, 1871: 859 (*Sciara*) – male LT

Remarks: Synonym of *B. amoena* (Winnertz).

semialata Edwards, 1913: 210 (*Sciara*) – 1 male, 1 female PLT

Remarks: Assigned to *Pseudolycoriella*.

setigera Winnertz, 1867: 151 (*Sciara*) – male LT

Remarks: Synonym of *B. amoena* (Winnertz).

signata Winnertz, 1867: 158 (*Sciara*) – male LT

Remarks: Synonym of *B. amoena* (Winnertz).

solani Winnertz, 1871: 855 (*Sciara*) – male PLT

Remarks: Synonym of *Lycoriella ingenua* (Dufour).

spoeckeri Lengersdorf, 1930: 95 (*Neosciara*) – male LT; 1 female PLT

Remarks: Assigned to *Corynoptera*.

stokesi Edwards, 1925: 223 (*Psilosciara*) – 2 males PLT

Remarks: Synonym of *Cratyna schineri* (Winnertz).

subterranea Schmitz, 1913: 212 (*Peyerimhoffia*) – female HT

Remarks: Synonym of *Pnyxia scabiei* (Hopkins).

syriaca Lengersdorf, 1934: 55 (*Neosciara*) – male LT

Remarks: Assigned to *Corynoptera*.

trichoptera Lengersdorf, 1926: 248 (*Sciara*) – 1 female PLT

Remarks: Synonym of *B. nitidicollis* (Meigen) (only wings).

triseriata Winnertz, 1867: 157 (*Sciara*) – male LT; 1 male PLT

Remarks: Synonym of *B. amoena* (Winnertz).

turbida Winnertz, 1867: 165 (*Sciara*) – male HT

Remarks: Synonym of *B. amoena* (Winnertz).

uliginosa Lengersdorf, 1929: 317 (*Sciara*) – 10 males, 10 females ST

Remarks: Assigned to *Cratyna*. Type series is missing.

ungulata Winnertz, 1867: 142 (*Sciara*) – male LT

Remarks: Assigned to *Phytosciara*.

vana Winnertz, 1871: 857 (*Sciara*) – male LT

Remarks: Synonym of *B. amoena* (Winnertz).

vanderwieli Schmitz, 1920: 363 (*Bradysia*) – female LT

Remarks: Synonym of *Lycoriella subterranea* (Mäkel).

velox Winnertz, 1867: 111 (*Sciara*) – male PLT

Remarks: Synonym of *Lycoriella ingenua* (Dufour).

venusta Winnertz, 1867: 115 (*Sciara*) – male LT

Remarks: Synonym of *Lycoriella ingenua* (Dufour).

vivida tennicornis Lengersdorf, 1932: 161 (*Neosciara*) – male LT

Remarks: Assigned to *Scatopsiara*.

vivida Winnertz, 1867: 156 (*Sciara*) – male LT

Remarks: Synonym of *Scatopsiara atomaria* (Zetterstedt).

wasmanni Schmitz, 1919: 96 (*Hyperlasion*) – male LT; 6 females, 1 larva PLT

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Family: Sciomyzidae

manchurica Rozkošný & Knutson, 1991: 67 (*Elgiva*) – male HT

Remarks: Genitalia dissected, in microvial.

orientalis Rozkošný & Knutson, 1991: 65 (*Pherbellia*) – female HT

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Family: Stratiomyidae

alini Lindner, 1955: 221 (*Odonotomyia*) – 3 males, 2 females ST

Remarks: Labeled as HT and PT, but no information provided in publication.

quadripartita Lindner, 1940: 33 (*Hermione*) – female HT

sinensis Lindner, 1940: 23 (*Prosopochrysa*) – male HT

szechuanensis Lindner, 1954: 208 (*Parastratiosphecomyia*) – male HT; 14 males, 4 females PT

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Family: Syrphidae

bracusi Vujić & Claussen, 1994: 137 (*Cheilosia*) – 1 male, 1 female PT

eggeri major Andries 1912: 307 (*Microdon*) – 1 puparium NT

Remarks: A teneral adult remains inside puparium. Neotype designated by Schmid (2004: 115) and elevated to full species rank.

iberica Marcos-García & Claussen, 1989: 57 (*Cheilosia*) – 1 female PT

rhenanus Andries 1912: 307 (*Microdon*) – puparium LT

Remarks: Mouthparts dissected and stored in microvial beneath. Lectotype designated by Schmid (2004: 115) and is regarded as a synonym of *M. mutabilis* (L.).

subpictipennis Claussen, 1998: 405 (*Cheilosia*) – 1 female PT

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Family: Tabanidae

- agrestis afghanisticus* Moucha & Chvála, 1959: 279 (*Atylotus*) – female HT; 3 males, 7 females PT
Remarks: Synonym of *quadrifarius* (Loew).
- grandis schiva* Moucha & Chvála, 1959: 284 (*Tabanus*) – female HT; 3 males, 7 females PT
Remarks: Elevated to full species.
- olsufjeviana* Moucha & Chvála, 1959: 276 (*Tylostypia*) – female HT; 23 females PT
Remarks: Assigned to *Hybomitra* Enderlein.
- olsufjeviana pseudozonata* Moucha & Chvála, 1959: 277 (*Tylostypia*) – female HT; 2 females PT
Remarks: Synonym of *olsufjeviana* Moucha & Chvála.

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Family: Tachinidae

- klapperichi* Mesnil, 1956: 532 (*Turanogonia*) – male HT; 3 males, 1 female PT
- tridentata* Mesnil, 1961: 703 (*Meigenia*) – male HT

REFERENCES

- Mesnil LP (1956) 64g. Larvaevorinae (Tachininae). In: Lindner, E. (ed.) Die Fliegen der palaearktischen Region 10(1), Lief. 192: 513–560
- Mesnil LP (1961) 64g. Larvaevorinae (Tachininae). In: Lindner, E. (ed.) Die Fliegen der palaearktischen Region 10(1), Lief. 219: 657–704

Family: Tephritidae

- admissa* Hering, 1961: 326 (*Tephritis*) – male HT; 2 males, 4 females PT

- admirandum* Hering, 1953: 346 (*Chaetostoma*) – male HT
- aethiops* Hering, 1939: 143 (*Neanomoea*) – female HT
Remarks: Assigned to *Philophylla* Rondani.
- afghana* Hering, 1961: 322 (*Tephrella*) – female HT; 6 females PT
Remarks: Assigned to *Acitura* R.-D. Holotype is not as stated on label.
- apicata* Freidberg, 1979: 16 (*Myopites*) – 1 male, 1 female PT
- crinita* Hering, 1961: 328 (*Tephritis*) – female HT
Remarks: Wing is mounted.
- fukienica* Hering, 1939: 146 (*Platensina*) – female HT; 1 male PT
- hermonis* Freidberg, 1974: 49 (*Urophora*) – 1 male, 1 female PT
- macens virgulata* Hering, 1961: 329 (*Tephritis*) – 2 males PT
- occultus* Hering, 1939: 144 (*Phagocarpus*) – male HT
Remarks: Assigned to *Anomoia* Walker. Holotype is highly damaged, only wing and some legs remain. Synonym of *A. klossi* (Edwards).
- pallenscens* Hering, 1961: 326 (*Tephritis*) – male HT
Remarks: Wing is mounted.
- parvisetalis* Hering, 1939: 144 (*Rioxoptilona*) – male HT
Remarks: Assigned to *Chaetomerella* De Meijere (Korneyev pers. comm.).
- setibasis* Hering, 1953: 346 (*Euleia*) – male HT
Remarks: Assigned to *Acidiella* Hendel (Korneyev pers. comm.).
- sonchina* Hering, 1937: 112 (*Tephritis*) – 1 male, 1 female PT
- vilis* Hering, 1961: 325 (*Galada*) – female HT
Remarks: HT highly damaged. Assigned to *Terellia* Robineau-Desvoidy.

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- Freidberg A (1979) On the taxonomy and biology of the genus *Myopites* (Diptera: Tephritidae). Israel Journal of Entomology 13: 13–26
- Hering EM (1939) Vier neue Bohrfliegen von Fukien (Dipt. Trypet.). Decheniana 98(B): 143–147
- Hering EM (1953) Bohrfliegen von Fukien (Dipt.) II. Bonner zoologische Beiträge 4(3–4): 345–347
- Hering EM (1961) Ergebnisse der Deutschen Afghanistan-Expedition 1956 der Landessammlungen für Naturkunde Karlsruhe Trypetidae. Beiträge zur naturkundlichen Forschung in Südwestdeutschland 19: 319–331
- Hering M (1937) Drei neue Bohrfliegen-Metamorphosen aus der Manschurei. 20. Beitrag zur Kenntnis der Trypetidae (Dipt.). Arbeiten Physiologische angewandte Entomologie, Berlin-Dahlem 4: 110–115

Family: Thaumaleidae

concava Sinclair, 2008: 6 (*Austrothaumalea*) – 3 males, 1 female PT

japonica Sinclair & Saigusa, 2002: 176 (*Trichothaumalea*) – 2 males PT (pinned), 1 female PT (in alc.)

ramosa Sinclair, 2008: 6 (*Austrothaumalea*) – 3 males, 2 females PT

REFERENCES

Sinclair BJ, Saigusa T (2002) A new species of the seepage midge genus *Trichothaumalea* Edwards from Japan (Diptera: Culicomorpha: Thaumaleidae). *Insect Systematics & Evolution* 33: 175–184

Sinclair BJ (2008) New species of *Austrothaumalia* Tonnoir from Australia (Diptera: Thaumaleidae). *Records of the Australian Museum* 60: 1–12

Family: Tipulidae (s. lat.)

absentiva Mannheims, 1951: 64 (*Prionocera*) – 3 males PT

Remarks: Synonym of *dimidiata* Loew.

aciculata loxia Starý, 1983: 15 (*Ormosia* s.s.) – 2 males PT

acudens Theischinger, 1977: 8 (*Tipula* (*Lunatipula*)) – male HT; 1 female PT

Remarks: Holotype dissected.

acuminata Mendl, 1972: 150 (*Dicranota* (*Plectroneyia*)) – male HT (in alc.); 1 male, 1 female PT (in alc.)

adrastea Starý & Mendl, 1984: 123 (*Ellipteroides* (*Protogonomyia*)) – 1 male PT

adusta lucistriata Mannheims & Savchenko, 1967: 152 (*Tipula* (*Lunatipula*)) – 2 females PT

aegina Alexander, 1970: 73 (*Antocha* (*Antocha*)) – 4 PT

Remarks: All specimens damaged.

alexanderi Mendl & Tjeder, 1974: 247 (*Baeoura*) – 9 males, 8 females PT (in alc.)

alexanderianns Nielsen, 1963: 7 (*Molophilus* (*Molophilus*)) – 1 male PT

algira Vaillant, 1953: 3 (*Dolichopeza*) – 1 male, 1 female PT

Remarks: Synonym of *D. fuscipes* Bergroth.

alhena Alexander, 1953: 748 (*Tipula*) – 1 male PT

Remarks: Assigned to subgenus *Sivatipula* Alexander. Paratype collected 4–12.v.1952.

alpina Bangerter, 1948: 187 (*Dicranomyia*) – 4 males, 1 female PT (in alc.)

Remarks: Label data does not match literature.

amicorum Mannheims & Theowald, 1959: 47 (*Tipula* (*Lunatipula*)) – 1 female PT

Remarks: Synonym of *laetabilis* Zetterstedt.

ampullifera Mannheims, 1965: 195 (*Tipula* (*Lunatipula*)) – male HT; 1 male, 2 females PT

amseli Mannheims, 1961: 310 (*Tipula* (*Yamatotipula*)) – 1 male, 1 female PT

Remarks: Synonym of *T. subprotrusa* Savchenko.

anatoliensis Theowald, 1978: 424 (*Tipula* (*Mediotipula*)) – male HT; 1 female PT

auderi Tjeder, 1948: 96 (*Prionocera*) – 1 male PT

Remarks: Synonym of *P. pubescens* Loew.

angelica Theowald, 1957: 253 (*Tipula*) – 1 pupal exuviae PT

Remarks: Species based on pupal exuviae.

anthe Mannheims, 1968: 308 (*Tipula* (*Lunatipula*)) – male HT

antica anticoides Alexander, 1940: 379 (*Tanyptera*) – female HT

antilope Theischinger, 1977: 17 (*Tipula* (*Lunatipula*)) – 1 male, 1 female PT (in alc.)

aphrodite Mannheims, 1963: 169 (*Tipula* (*Lunatipula*)) – male HT; 8 females PT

appendiculata pertenna Oosterbroek, 1978: 52 (*Nephrotoma*) – 3 males, 2 females PT

aquilina Starý, 1984: 236 (*Limonia*) – 3 males, 1 female PT

aragoniensis Theowald, 1978: 416 (*Tipula* (*Mediotipula*)) – 1 male, 1 female PT

ariadne Mannheims, 1954: 169 (*Tipula* (*Lunatipula*)) – male HT; 1 female PT

armata Mendl, 1985: 196 (*Baeoura*) – male HT (in alc.); 1 female PT (in alc.)

Remarks: HT dissected, pinned separately (No. 304).

armatissimus Bangerter, 1947: 360 (*Molophilus*) – 1 male PT (in alc.)

Remarks: Synonym of *appendiculata* (Staeger).

arnoudi Theowald, 1971: 234 (*Limnophila* (*Limnophila*)) – 3 males PT

Remarks: One PT label data does not match locality date description.

asbolodes Speiser, 1909: 57 (*Tipula*) – 1 male ST

Remarks: Male genitalia only.

astigma Pierre, 1925: 9 (*Nephrotoma*) – 3 males PNT

Remarks: NT designated by Oosterbroek (1978) (PNT have no status).

atlas Pierre, 1924: 91 (*Tipula*) – 1 male ST

aureola Mannheims, 1952: 89 (*Tipula* (*Tipula*)) – 3 males PT

Remarks: Ass. under subgenus *Acutipula* Alexander.

auriculata Mannheims, 1963: 158 (*Tipula* (*Lunatipula*)) – 1 male PT

anstriaca Mannheims & Theowald, 1959: 24 (*Pales*) – male LT

Remarks: LT designated by Mannheims in Mannheims & Pechlander (1963: 14).

baknudu Jong, 1984: 33 (*Tipula* (*Acutipula*)) – male HT

baldensis Mendl, 1974: 13 (*Ormosia* (*Ormosia*)) – male HT (in alc.); 2 males, 2 females PT (in alc.)

Remarks: Two females labeled as paratypes, collected 21.8.73 from Stausee are not listed in types series (other male PT not found).

- balearica* Mannheims, 1968: 305 (*Tipula* (*Lunatipula*)) – 1 male, 1 female PT
- banileke* Jong, 1984: 35 (*Tipula* (*Acutipula*)) – male HT
- bangerteri* Mendl, 1974: 205 (*Limonia* (*Dicranomyia*)) – male HT (in alc.); 1 female PT (in alc.)
- benesignata* Mannheims, 1954: 35 (*Tipula* (*Oreomyza*)) – 3 males, 4 females PLT
Remarks: LT designated by Mannheims & Pechanger (1963: 29).
- berytia* Mannheims, 1963: 158 (*Tipula* (*Lunatipula*)) – 1 male PT (in alc.)
- bezzii* Mannheims & Theowald, 1959: 43 (*Tipula* (*Lunatipula*)) – 15 males, 8 females PT
- bifastigatus* Mendl, 1987: 371 (*Ellipteroides* (*Ellipteroides*)) – male HT (in alc.)
Remarks: HT dissected, pinned separately (No. 638).
- bimaculata* Riedel, 1913: 105 (*Tipula*) – 2 males, 1 female ST
- bioculata* Alexander, 1960: 209 (*Tipula* (*Acutipula*)) – 1 male PT
- bivittata* Pierre, 1921: 23 (*Tipula*) – 1 male ST
- brevicornis* Lundström, 1912: 46 (*Tipula*) – 1 male ST
- brevispina* Pierre, 1920: 163 (*Tipula*) – 1 male ST
- broleuanni* Pierre, 1921: 262 (*Tipula*) – 1 male PLT
Remarks: LT designated by Theowald (1978: 413).
- bubiana* Jong, 1984: 37 (*Tipula* (*Acutipula*)) – male HT
- buchholzii* Mannheims & Theowald, 1959: 45 (*Tipula* (*Lunatipula*)) – male HT; 2 males PT
- bulbosa* Mannheims, 1954: 162 (*Tipula* (*Lunatipula*)) – male HT; 7 males, 4 females PT
- caerulea* Stárý, 1987: 261 (*Cheilotrichia* (*Empeda*)) – 1 male PT (in alc.)
- caerulea* Mannheims & Nielsen, 1953: 586 (*Tipula* (*Oreomyza*)) – female HT
Remarks: Synonym of *T. laetibasis* Zetterstedt.
- callisto* Alexander, 1944: 297 (*Tipula*) – 1 female PT
Remarks: Specimen partly destroyed.
- capionuera* Speiser, 1909: 59 (*Tipula*) – 1 male PT
Remarks: Male genitalia only.
- capreola* Mannheims, 1966: 498 (*Tipula* (*Lunatipula*)) – 3 males PT
- carbo sikkimensis* Alexander, 1964: 65 (*Elephantomyia* (*Elephantomyia*)) – 1 male PT
- carib* Alexander, 1970: 5 (*Tipula* (*Microtipula*)) – 1 male PT
Remarks: PT destroyed; collected 1964, not 1965.
- cassiope* Mannheims, 1966: 241 (*Tipula* (*Lunatipula*)) – male HT; 1 male PT
- castellanii* Mannheims & Theowald, 1959: 52 (*Tipula* (*Oreomyza*)) – 1 male PT
- cataloniensis* Theowald, 1978: 417 (*Tipula* (*Lunatipula*)) – male HT; 1 male, 1 female PT
- caudispina parnonensis* Theischinger, 1979: 296 (*Tipula* (*Lunatipula*)) – male HT
- cedrophila* Mannheims, 1963: 150 (*Tipula* (*Lunatipula*)) – 2 females PT
- cerva* Mannheims & Theowald, 1959: 34 (*Tipula* (*Lunatipula*)) – 3 males, 3 females PT
- cervula* Mannheims & Theowald, 1959: 34 (*Tipula* (*Lunatipula*)) – male HT; 2 males, 3 females PT
- chandra* Alexander, 1964: 294 (*Limonia* (*Dicranomyia*)) – 1 male PT
- chrysophaea* Alexander, 1941: 27 (*Tanyptera*) – female HT
- cinerella* Pierre, 1919: 614 (*Tipula*) – 1 male ST
- circe* Mannheims, 1954: 168 (*Tipula* (*Lunatipula*)) – 1 male PT
- cirratula* Oosterbroek, 1997: 191 (*Tipula* (*Lunatipula*)) – 9 males, 3 females PT
- claessoni* Mendl, 1986: 235 (*Molophilus*) male HT (in alc.); 1 male, 2 females PT (in alc.)
Remarks: HT dissected, pinned separately (No. 636).
- clavistylus* Mendl, 1979: 178 (*Molophilus*) – male HT (in alc.)
Remarks: HT dissected, pinned separately (No. 239).
- clio* Mannheims, 1954: 165 (*Tipula* (*Lunatipula*)) – male HT; 3 males, 4 females PT
- clotho* Alexander, 1964: 285 (*Limonia* (*Dicranomyia*)) – 1 male, 2 ? PT
- complicata* Meijere, 1918: 129 (*Dicranomyia*) – 1 male, 1 female ST
Remarks: Assigned as subspecies of *D. melleicauda* Alexander.
- conclifera* Mannheims, 1968: 309 (*Tipula* (*Lunatipula*)) – male HT; 6 males, 11 females PT
Remarks: Synonym of *T. cinereicolor* Pierre.
- consimilis* Mendl, 1987: 11 (*Dicranota* (*Paradicranota*)) – male HT; 7 males (in alc.), 1 male (pinned) PT
Remarks: HT dissected, pinned separately (No. 652).
- cornicula* Pierre, 1921: 149 (*Tipula*) – male NT; 1 male, 1 female PNT
Remarks: NT designated by Theowald (1973: 324) (PNT have no status).
- crassa* Stárý, 2004: 671 (*Rhabdomastix* (*Rhabdomastix*)) – 2 males, 12 females PT (in alc.)
- cremeri* Alexander, 1940: 393 (*Tipula* (*Vestiplex*)) – female HT
- cretica* Mendl, 1979: 170 (*Dicranomyia* (*Salebria*)) – male HT (in alc.); 4 males, 1 female PT (in alc.)
Remarks: HT dissected, pinned separately (No. 244).
- cretis* Mannheims, 1965: 194 (*Tipula* (*Lunatipula*)) – male HT; 2 males PT
- curtipennis* Mannheims, 1961: 4 (*Tipula* (*Acutipula*)) – 1 male PT
- curvata* Theischinger, 1977: 4 (*Tipula* (*Lunatipula*)) – male HT
- cypripis* Mannheims, 1963: 156 (*Tipula* (*Lunatipula*)) – male HT; 3 females PT

- decolor* Mannheims, 1963: 159 (*Tipula* (*Lumatipula*)) – 2 males PT
- didymotes* Theischinger, 1977: 17 (*Tipula* (*Lumatipula*)) – male HT; 1 female PT
- divergens* Bangerter, 1947: 371 (*Gonomyia* (*Lipophleps*)) – 1 male PT (in alc.)
- diversipes* Alexander, 1941: 237 (*Brachypremma*) – 1 female PT
- dolonitensis* Theowald, 1980: 482 (*Tipula* (*Pterelachisus*)) – male HT; 1 female PT
- dolores* Mannheims, 1967: 265 (*Tipula* (*Lumatipula*)) – male HT; 1 male PT
- dracula* Theischinger, 1977: 241 (*Tipula* (*Lumatipula*)) – male PT (in alc.)
- draupadi* Alexander, 1964: 293 (*Limonia* (*Dicranomyia*)) – 1 male PT
- ebneri* Mannheims, 1953: 132 (*Tipula* (*Vestiplex*)) – 1 female PT
Remarks: Synonym of *T. sexspinosus* Strobl.
- eburata* Mannheims, 1958: 1 (*Pales*) – 1 female PT
- engeli* Theowald, 1957: 253 (*Tipula*) – pupal exuviae HT
Remarks: Species based on pupal exuviae.
- epicharis* Alexander, 1966: 70 (*Erioptera* (*Ilisia*)) – 1 female LT
- erato* Mannheims, 1954: 179 (*Tipula* (*Lumatipula*)) – male HT; 4 males, 4 females PT
Remarks: Another 7 male and 2 female paratypes not present.
- eugeni* Stary, 2004: 674 (*Rhabdomastix* (*Rhabdomastix*)) – 14 males, 8 females PT (in alc.), 2 females PT (pinned)
- eumecacera* Speiser, 1909: 58 (*Tipula*) – 1 male PT
Remarks: Male genitalia only.
- euterpe* Theischinger, 1979: 124 (*Tipula* (*Lumatipula*)) – male HT; 1 female PT
- exastigma* Oosterbroek, 1978: 84 (*Nephrotoma*) – 10 males, 4 females PT
- excisa* Schummel, 1833: 42 (*Tipula*) – 1 male PNT
Remarks: NT designated by Theowald & Mannheims (1962: 379) (PNT has no status).
- exechostyla* Alexander, 1964: 120 (*Tipula* (*Vestiplex*)) – 1 male PT
- fabiola* Mannheims, 1968: 298 (*Tipula* (*Lumatipula*)) – male HT; 1 male PT
- fendleri* Mannheims, 1963: 69 (*Tipula* (*Yamatotipula*)) – male HT; 1 male, 1 female PT
- filata* Stary, 2004: 675 (*Rhabdomastix* (*Rhabdomastix*)) – 6 females PT (in alc.)
- fini* Oosterbroek, 1997: 184 (*Tipula* (*Lumatipula*)) – 1 female PT
- flagellicurta* Mannheims, 1958: 5 (*Tipula* (*Tipula*)) – 1 male PT
Remarks: Partially dissected, slide mounted and pinned separately.
- flammatra* Stary, 1981: 191 (*Dicranota* (*Paradicranota*)) – 2 males PT
- fokiensis* Alexander, 1940: 412 (*Linnophila*) – male HT
Remarks: Assigned to *Prionolabis* Osten Sacken.
- fontana* Oosterbroek, 1978: 97 (*Nephrotoma*) – male HT
Remarks: HT dissected (pinned beneath).
- forcipata* Mannheims & Theowald, 1959: 36 (*Tipula* (*Lumatipula*)) – male HT; 4 males, 17 females PT
Remarks: This species is a homonym; new name is *forcipula* Mannheims.
- franzi* Mannheims, 1950: 74 (*Tipula* (*Vestiplex*)) – 3 males, 3 females PT
- fulviventris* Alexander, 1970: 36 (*Teucholabis*) – 2 females PT
Remarks: One PT destroyed.
- fuscicosta* Mannheims, 1954: 177 (*Tipula* (*Lumatipula*)) – 2 males, 3 females PT
Remarks: Additional 1 male PT labeled, but date (VI-11) and locality (Pashtrik) not in original type list.
- galiciensis* Theowald, 1978: 415 (*Tipula* (*Mediotipula*)) – male HT
Remarks: HT dissected, pinned beneath.
- geja* Savchenko, 1968: 929 (*Tipula* (*Lumatipula*)) – 1 male PT
- glacialis* Pokorný, 1887: 50 (*Oreomyza*) – 1 male ST
- gohli* Mendl, 1976: 33 (*Phyllolabis* (*Phyllolabis*)) – male HT (in alc.); 5 females PT (in alc.)
Remarks: HT, 2 PT dissected in microvial with tube.
- goliath* Alexander, 1940: 384 (*Ctenacroscelis*) – male HT
Remarks: Assigned to *Holorusia*, dissected and mounted beneath.
- graeca* Mannheims, 1954: 158 (*Dolichopeza* (*Dolichopeza*)) – male HT; 6 males, 3 females PT
- graeca dufouri* Oosterbroek & Vuković, 1989: 97 (*Tipula* (*Lumatipula*)) – 21 males, 5 females PT
- graeca graeca* Oosterbroek & Vuković, 1989: 96 (*Tipula* (*Lumatipula*)) – 4 males, 8 females PT
Remarks: 1 PT dissected, pinned beneath.
- graecolivida* Mannheims, 1954: 176 (*Tipula* (*Lumatipula*)) – male HT; 4 males, 2 females PT
- gredosi* Theowald, 1980: 491 (*Tipula* (*Pterelachisus*)) – 50 males, 10 females PT
Remarks: Theowald (1980: 492) states that there are 27 male and 21 female paratypes from Sierra de Gredos. However, 11 of these specimens are in fact males. Mannheims normally kept males and females in separate rows, but in this case there was a double row of males. It would appear that Theowald (1980) mistakenly counted one of these rows as females. Very few of these paratypes were labeled as such.
- griesheimae* Mannheims & Theowald, 1959: 41 (*Tipula* (*Lumatipula*)) – male HT
- guentheri* Oosterbroek, 1994: 430 (*Tipula* (*Yamatotipula*)) – 5 males, 3 females PT
- handschini* Mannheims, 1967: 284 (*Tipula* (*Lumatipula*)) – 2 males PT
Remarks: One PT dissected, pinned beneath.

- handschiniana* Mannheims, 1950: 73 (*Tipula* (*Vestiplex*)) – 3 males, 2 females PT
Remarks: Synonym of *T. cisalpina* Ridel.
- harmonia* Mannheims, 1966: 241 (*Tipula* (*Lumatipula*)) – male HT; 1 male PT
- hartigi* Mannheims, 1950: 76 (*Tipula* (*Vestiplex*)) – 6 males, 2 females PT
Remarks: Assigned as subspecies of *scripta* Meigen.
- hartigi* Mannheims, 1951: 49 (*Pales*) – male HT; 3 males, 1 female PT
Remarks: Synonym of *N. crocata* Linnaeus; HT dissected, pinned beneath.
- hartwigi* Alexander, 1974: 407 (*Limnophila* (*Afrolimnophila*)) – male HT
Remarks: Genitalia mounted on slide and housed in USNM.
- helvetica* Mannheims & Theowald, 1951: 24 (*Pales*) – male LT; 4 males PLT
Remarks: LT designated by Mannheims (1963); 3 PLT dissected, pinned beneath.
- hemiptera* Mannheims, 1953: 130 (*Tipula* (*Vestiplex*)) – female HT
- hemmingseni* Nielsen, 1959: 65 (*Phyllolabis*) – 2 males, 1 female PT
- hemopterandra* Bezzi, 1924: 231 (*Tipula* (*Vestiplex*)) – 1 male, 1 female ST
- hera* Theischinger, 1979: 300 (*Tipula* (*Lumatipula*)) – male HT; 1 male, 1 female PT
Remarks: HT, 1 PT dissected, pinned beneath.
- herculeanus* Alexander, 1940: 383 (*Ctenacroscelis*) – male HT
- hermes* Theischinger, 1977: 30 (*Tipula* (*Lumatipula*)) – male HT
- hispanolivida* Mannheims, 1968: 304 (*Tipula* (*Lumatipula*)) – male HT; 9 males, 6 females PT
- huguenini* Bangerter, 1947: 368 (*Gonomyia* (*Ellipteroides*)) – 1 male, 1 female PT (in alc.)
- iberica* Mannheims, 1963: 144 (*Tipula* (*Lumatipula*)) – 38 males, 17 females PT
- ida* Starý & Mendl, 1984: 125 (*Ellipteroides* (*Progonomyia*)) – male HT (in alc.); 38 males, 31 females (in alc.)
Remarks: Genitalia pinned separately (No. 531); female genitalia (No. 532).
- iliensis* Mannheims, 1965: 192 (*Tipula* (*Lumatipula*)) – male HT; 1 female PT
- incristata* Mannheims, 1958: 8 (*Pales*) – 3 male, 1 female PT
- incurvus* Mendl, 1979: 179 (*Molophilus*) – male HT (in alc.); 4 males PT (in alc.)
Remarks: HT dissected, pinned separately (No. 185).
- inermis* Mendl, 1979: 176 (*Ilisia* (*Ilisia*)) – male HT; 1 female PT (in alc.)
Remarks: HT dissected, enclosed in tube.
- insulana* Savchenko, 1971: 14 (*Arctoconopa*) – 1 male, 1 female PT
- interjecta* Starý, 1974: 1 (*Limonia* (*Limonia*)) – 1 male PT
- intermedia* Bangerter, 1947: 354 (*Ilisia*) – 4 males PT (in alc.)
Remarks: Synonym of *sororcula* (Lackschewitz).
- intermixta* Riedel, 1913: 40 (*Tipula*) – male PNT
Remarks: NT designated by Theowald (1970) (PNT has no status).
- ismene* Mannheims, 1969: 255 (*Tipula* (*Acutipula*)) – male HT; 7 males, 4 females PT
Remarks: One male PT dissected, pinned separately.
- isparta* Vermoolen, 1983: 70 (*Tipula* (*Acutipula*)) – 1 male, 2 females PT
Remarks: One male PT dissected, pinned beneath.
- japvoensis* Alexander, 1953: 742 (*Ctenacroscelis*) – 1 female PT
- jeekeli* Mannheims & Theowald, 1959: 49 (*Tipula* (*Oreomyza*)) – 4 males, 3 females PT
- jenaro* Alexander, 1969: 174 (*Dolichopeza* (*Megistomastix*)) – 1 male PT
- jordansi* Mannheims, 1954: 181 (*Tipula* (*Lumatipula*)) – male HT; 9 males, 4 females PT
Remarks: Assigned as subspecies of *pannonia* Loew.
- kallemmelleri* Mendl, 1984: 101 (*Molophilus*) – male HT (in alc.); 3 females PT (in alc.)
Remarks: HT dissected, pinned separately (No. 624).
- kashongensis* Alexander, 1966: 220 (*Limnophila* (*Dicranophragma*)) – 1 male, 1 female PT
- kaszabi* Mannheims & Savchenko, 1973: 260 (*Limonia* (*Dicranomyia*)) – 1 male PT
- kerkis* Theischinger, 1977: 14 (*Tipula* (*Lumatipula*)) – male HT
- kinensis* Alexander, 1934: 17 (*Limonia* (*Dicranomyia*)) – 1 male, 1 female PT (in alc.)
Remarks: Assigned to subgenus *Glochina* Meigen.
- klapperichi* Alexander, 1940: 386 (*Tipula* (*Nippotipula*)) – female HT
- kleinschmidt* Mannheims, 1950: 241 (*Tipula* (*Tipula*)) – 3 males, 1 female PT
Remarks: One male PT partially dissected, mounted beneath.
- klementi* Mendl, 1973: 68 (*Molophilus*) – male HT (in alc.); 6 males PT (in alc.)
Remarks: HT + 1 male PT dissected, microvial in tube.
- koreana* Tangeldar, 1984: 57 (*Nephrotoma*) – 1 female PT
Remarks: PT dissected, pinned beneath.
- kosswigi* Mannheims, 1953: 135 (*Tipula* (*Vestiplex*)) – male HT; 2 males, 4 females PT
- kostjukovi* Savchenko, 1971: 16 (*Arctoconopa*) – 1 male PT
- kreissli* Theischinger, 1987: 104 (*Tipula* (*Lumatipula*)) – male HT
Remarks: HT dissected, pinned beneath.

knuatunensis Alexander, 1940: 397 (*Tipula* (*Oreomyza*)) – male HT

Remarks: Assigned to subgenus *Pterelachisus* Rondani.
kumerloevei Mannheims, 1968: 317 (*Tipula* (*Lunatipula*)) – male HT; 1 female PT

Remarks: HT and PT dissected, pinned beneath.

kybele Mannheims, 1968: 310 (*Tipula* (*Lunatipula*)) – male HT; 35 males, 8 females PT

kybele russula Theischinger, 1977: 35 (*Tipula* (*Lunatipula*)) – male HT; 2 males, 2 females PT

lackschewitzi Bangerter, 1947: 357 (*Ormosia*) – 5 males, 1 female PT (in alc.)

lackschewitziana Mendl, 1988: 126 (*Dicranota* (*Paradicranota*)) – 1 male PT

Remarks: PT dissected, pinned separately (No. 668).

laetoidea Stary, 2004: 666 (*Rhabdomastix* (*Rhabdomastix*)) – 1 male, 1 female PT

lanispina Mannheims, 1966: 499 (*Tipula* (*Lunatipula*)) – 1 male, 2 females PT

lateralis solstitialis Westhoff, 1879: 45 (*Tipula*) – male NT

Remarks: NT designated by Mannheims (1952: 100); Synonym of *pierrei* Tonnoir.

latistyla Stary, 1977: 68 (*Austrolimnophila* (*Austrolimnophila*)) – 1 male, 1 female PT (in alc.)

leda Mannheims, 1965: 179 (*Tipula* (*Lunatipula*)) – male HT; 1 male, 4 females PT

Remarks: Four female PT removed from *leda* and assigned to *lunata* group (Theischinger 1979).

lempkei Oosterbroek, 1978: 42 (*Nephrotoma*) – 1 male, 2 females PT

lesnei Pierre, 1921: 300 (*Tipula*) – 1 male ST

Remarks: Assigned to subgenus *Lunatipula* Edwards; subspecies of *macquarti* Becker.

leto Mannheims, 1966: 241 (*Tipula* (*Lunatipula*)) – male HT; 3 males, 1 female PT

lindbergi Nielsen, 1962: 166 (*Limonia* (*Limonia*)) – 1 male PT

lindneri Mannheims, 1961: 4 (*Goniotipula*) – 1 male PT

lindneri Mannheims, 1951: 53 (*Pales*) – male HT; 10 males, 11 females PT

Remarks: As subspecies of *croceiventris* Strobl.

lindneri Mannheims, 1959: 151 (*Phyllolabis*) – male HT; 2 females PT

lindneri Nielsen, 1963: 2 (*Taphrophila*) – 3 males, 3 females PT

Remarks: One PT dissected, pinned beneath.

lipernes Alexander, 1971: 243 (*Shannonomyia*) – 1 male PT

lithophila Savchenko, 1968: 921 (*Tipula* (*Lunatipula*)) – 1 male, 1 female PT

livida aspasia Mannheims, 1968: 296 (*Tipula* (*Lunatipula*)) – male HT; 4 females PT

livida sardolivida Mannheims & Theowald, 1968: 296 (*Tipula* (*Lunatipula*)) – male HT; 65 males, 4 females PT

Remarks: No specific number of paratypes were listed in original publication, only numerous or “Zahlreiche”. Consequently, all specimens with appropriate date and locality present were assumed to be paratypes, whether they were labeled or not labeled as such; 1 PT dissected.

longisternata Alexander, 1967: 557 (*Nephrotoma*) – 1 male PT

luctuosa Mannheims, 1963: 33 (*Tipula* (*Acutipula*)) – male HT

Remarks: HT partially dissected, mounted below.

luctuosipes Alexander, 1953: 172 (*Erioptera* (*Hoploeriptera*)) – 1 male, 1 female PT

luna Westhoff, 1879: 47 (*Tipula*) – male NT; 1 male, 2 females PNT

Remarks: NT designated by Mannheims (1959: 158); (PNT have no status).

lundbladi Mannheims, 1962: 134 (*Tipula* (*Savtshenkia*)) – male HT

luteicostalis longisector Alexander, 1940: 381 (*Dictenidia*) – female HT

luteinotalis Alexander, 1940: 388 (*Tipula* (*Acutipula*)) – male HT; 2 females PT

luteobasalis alata Theowald, 1980: 484 (*Tipula* (*Pterelachisus*)) – male HT; 1 female PT

macciana Edwards, 1928: 187 (*Tipula*) – 1 male ST

macropeliostigma Mannheims, 1954: 163 (*Tipula* (*Lunatipula*)) – 1 male PT

Remarks: PT missing from collection.

macropteryx Tjeder, 1955: 225 (*Limnophila* (*Idioptera*)) – 1 male, 1 female PT

malickyi Mendl, 1975: 22 (*Ormosia* (*Rhypholophus*)) – male HT (in alc.); 1 male, 3 females PT (in alc.)

malickyi Mendl & Tjeder, 1976: 237 (*Baeoura*) – 7 males, 27 females PT (in alc.)

malickyiana Mendl, 1985: 155 (*Tasiocera* (*Dasymolophilus*)) – male HT (in alc.)

Remarks: HT dissected, pinned separately (No. 623).

manipurensis Alexander, 1967: 571 (*Dolichopeza* (*Nesopeza*)) – 1 male PT

manipurensis Alexander, 1964: 151 (*Malaisemyia*) – 1 male PT

mannheimsi Mendl, 1974: 214 (*Erioptera* (*Ilisia*)) – male HT (in alc.); 1 male (in alc.); 2 males, 1 female (pinned) PT

Remarks: Assigned to *Hoplolabis* (*Parilisia*).

mannheimsi Alexander, 1960: 15 (*Austrolimnophila* (*Austrolimnophila*)) – male HT (in alc.)

mannheimsi Savchenko, 1966: 260 (*Nephrotoma*) – male HT; 2 males, 1 female PT

Remarks: Synonym of *pullata* Alexander.

mannheimsiana Alexander, 1953: 746 (*Tipula* (*Acutipula*)) – 1 male, 1 female PT

mannheimsiana Nielsen, 1961: 112 (*Phyllolabis*) – 2 males PT

- margaritae* Alexander, 1948: 371 (*Phacelodocera*) – 1 male PT
Remarks: Genus now subgenus of *Ptilogyna* Enderlein.
- mariposa* Alexander, 1946: 187 (*Tipula* (*Lunatipula*)) – 1 male PT
Remarks: Specimen completely destroyed.
- martinovskiyi* Starý, 1974: 5 (*Dicranota* (*Paradicranota*)) – 1 male PT
- mecogastra* Alexander, 1964: 305 (*Limonia* (*Dicranomyia*)) – 1 male PT
- melpomene* Mannheims, 1954: 166 (*Tipula* (*Lunatipula*)) – male HT; 3 males, 2 females PT
- mendli* Starý, 1987: 267 (*Cheilotrichia* (*Empeda*)) – 7 males, 11 females PT (in alc.)
- mendli* Martinovsky, 1976: 52 (*Tipula* (*Lunatipula*)) – 1 male PT (in alc.)
- mendli* Savchenko, 1983: 58 (*Prionolabis*) – 4 males PT (in alc.)
- meridiana* Mendl, 1974: 210 (*Cheilotrichia*) – male HT (in alc.); 27 males, 2 females PT (in alc.)
- meridiana* Mendl, 1988: 95 (*Dicranota* (*Rhaphidolabina*)) – male HT (in alc.); 5 males, 1 female PT (in alc.)
Remarks: HT dissected, pinned separately (No. 337).
- micropeliostigma* Mannheims, 1965: 207 (*Tipula* (*Lunatipula*)) – male HT
Remarks: Genitalia in microvial on separate pin.
- minima* Mendl, 1974: 221 (*Tasiocera* (*Dasymolophilus*)) – male HT (in alc.); 59 males PT (in alc.)
- minor distinguenda* Starý, 1983: 10 (*Erioptera* (*Erioptera*)) – 1 male PT
- minnscula* Mannheims, 1951: 40 (*Pales*) – 2 males, 1 female PT
- mixta* Starý 1983: 2 (*Ula* (*Ula*)) – 1 male PT
- miyamotoi claripennis* Mannheims, 1967: 202 (*Ctenophora*) – male HT
Remarks: Synonym of *C. nigriceps* Tjeder.
- monstrosus* Mendl, 1974: 218 (*Molophilus*) – male HT (in alc.); 5 males PT (in alc.)
Remarks: HT dissected, pinned separately (No. 718).
- montifer* Theischinger, 1977: 5 (*Tipula* (*Lunatipula*)) – male HT
Remarks: Dissected (pinned beneath).
- nasnta* Oosterbroek, 1975: 121 (*Nephrotoma*) – male HT; 1 male, 2 females PT
- nausicaa* Mannheims, 1966: 220 (*Tipula* (*Lunatipula*)) – male HT, 23 males, 8 females PT
- neorina* Alexander, 1953: 739 (*Longurio* (*Longurio*)) – 1 male PT
Remarks: Assigned to *Leptotarsus* Guérin-Méneville.
- nielsenii* Mannheims & Theowald, 1959: 29 (*Tipula* (*Oreomyza*)) – 3 males, 1 female PLT
Remarks: LT designated by Mannheims & Pechlaner (1963: 26).
- nielsenii* Mannheims, 1959: 153 (*Phyllolabis*) – male HT; 4 males, 1 female PT
- niethammeri* Mannheims, 1969: 253 (*Tipula* (*Acutipula*)) – male HT; 4 males, 6 females PT
- nigdeensis* Bischof, 1905: 172 (*Tipula*) – 1 male, 1 female PLT
Remarks: LT designated by Mannheims (1968: 320).
- nigritana* Mannheims, 1961: 11 (*Pales*) – 1 female PT
Remarks: Assigned to *Nephrotoma* Meigen.
- nigrofemoratus* Alexander, 1967: 541 (*Ctenacroscelis*) – 1 male PT
- nimbipennis* Alexander, 1941: 407 (*Triogma*) – male HT; 1 male, 3 females PT
- oleracea* Linnaeus, 1758: 585 (*Tipula*) – male NT; 3 males PNT
Remarks: NT designated by ICZN (1980) 37: Opinion 1160, using specimens identified in Mannheims (1952: 77, Fig. 39b); PNT have no status.
- orientobifida* Savchenko, 1983: 85 (*Ormosia* (*Ormosia*)) – 3 males PT (in alc.)
- padana* Dufour, 1981: 125 (*Tipula* (*Pterelachisus*)) – 20 males, 3 females PT
- palitans* Alexander, 1965: 350 (*Tipula* (*Eumicrotipula*)) – 1 male PT
Remarks: Specimen partly destroyed.
- pallidivena* Alexander, 1969: 372 (*Cryptolabis* (*Cryptolabis*)) – 2 PT
Remarks: Damaged specimens on single pin, sex unknown.
- pan* Mannheims, 1965: 188 (*Tipula* (*Lunatipula*)) – male HT; 45 males, 37 females PT
Remarks: Assigned as subspecies of *macrosele* Strobl.
- pandora* Mannheims, 1968: 306 (*Tipula* (*Lunatipula*)) – male HT; 3 males, 2 females PT
- parallela* Theischinger, 1977: 30 (*Tipula* (*Lunatipula*)) – 13 males PT
- parapeliostigma* Mannheims & Theowald, 1959: 34 (*Tipula* (*Lunatipula*)) – male HT; 2 females PT
Remarks: HT collected 1935 not 1938.
- parasimurg* Savchenko, 1968: 927 (*Tipula* (*Lunatipula*)) – 2 males, 1 female PT
- parvaauricola* Alexander, 1940: 400 (*Tipula*) – male HT; 1 male, 4 females PT
Remarks: Assigned to subgenus *Sivatipula* Alexander.
- panli* Geiger 1983: 639 (*Dicranomyia* (*Salebriella*)) – 1 male PT (in alc.)
- pechlaneri* Mannheims & Theowald, 1959: 29 (*Tipula* (*Oreomyza*)) – male LT; 20 males, 16 females PLT
Remarks: LT designated by Mannheims (1963) in Mannheims & Pechlaner (1963: 25).
- pechlaneri* Mendl, 1976: 279 (*Dactylolabis* (*Dactylolabis*)) – 2 males, 1 female PT
- pelidne* Mannheims, 1965: 198 (*Tipula* (*Lunatipula*)) – male HT; 23 males, 23 females PT
- peliostigma dorica* Mannheims, 1965: 205 (*Tipula* (*Lunatipula*)) – male HT

- Remarks:** Elevated to species.
- pelio stigma pelopea* Mannheims, 1965: 204 (*Tipula* (*Lunatipula*)) – male HT; 8 males, 8 females PT
- pelio stigma phoenissa* Mannheims, 1965: 205 (*Tipula* (*Lumatipula*)) – male HT
- Remarks:** Genitalia in microvial on separate pin.
- pelma* Mannheims, 1965: 212 (*Tipula* (*Lumatipula*)) – male HT
- Remarks:** HT dissected, pinned separately.
- penelope eurykleia* Theischinger, 1979: 289 (*Tipula* (*Lunatipula*)) – male HT; 3 males, 14 females PT
- penelope* Mannheims, 1954: 171 (*Tipula* (*Lumatipula*)) – male HT; 5 males, 3 females PT
- phaidra* Mannheims, 1965: 184 (*Tipula* (*Lumatipula*)) – male HT; 7 males, 2 females PT
- pila* Alexander, 1966: 16 (*Erioptera* (*Erioptera*)) – 1 male, 1 ? PT
- Remarks:** Both PT on same pin, lower specimen missing abdomen.
- pilosa* Mendl & Geiger, 1992: 150 (*Hoverioptera* (*Tesserioptera*)) – 2 males PT (in alc.)
- pirinensis* Starý, 1971: 95 (*Ormosia* (*Ormosia*)) – 1 male PT
- plitviciensis* Simova, 1962: 102 (*Tipula* (*Oreomyza*)) – male LT; 1 female PLT
- Remarks:** LT designated by Theowald (1978: 489).
- plumbea* Fabricius, 1782: 403 (*Tipula*) – 1 male, 1 female PNT
- Remarks:** NT designated by Hollander (1975); (PNT have no status).
- pokorny* Mannheims, 1968: 299 (*Tipula* (*Lumatipula*)) – 1 female PT
- polydeukes* Theischinger, 1977: 22 (*Tipula* (*Lumatipula*)) – male HT
- pontica* Savchenko, 1964: 52 (*Tipula* (*Geotipula*)) – 1 male PNT
- Remarks:** NT designated by Savchenko (1966); (PNT has no status).
- prolixistyla* Alexander, 1971: 169 (*Antocha* (*Antocha*)) – 2 PT
- Remarks:** All specimens damaged.
- proximus* Mendl, 1979: 182 (*Molophilus*) – male HT (in alc.); 17 males, 38 females PT (in alc.)
- Remarks:** HT mislabeled, likely male from 6.6.75 (No. 242) and not No. 241?
- pseudocrassiventris* Theowald, 1980: 503 (*Tipula* (*Pterelachisus*)) – 4 males, 2 females PT
- pseudopeliostigma* Mannheims, 1965: 208 (*Tipula* (*Lunatipula*)) – male HT; 1 male PT
- pseudopropinquus* Mendl, 1973: 71 (*Molophilus*) – male HT (in alc.); 1 male PT (in alc.)
- pseudowolffi* Theischinger, 1979: 143 (*Tipula* (*Lumatipula*)) – male HT; 5 males, 3 females PT
- quadridens loehmeri* Mendl, 1987: 17 (*Ellipteriodes* (*Protonomyia*)) – 1 male, 1 female PT (in alc.)
- quadrilobata* Savchenko, 1983: 101 (*Gonomyia* (*Teuchogonomyia*)) – 5 males PT (in alc.)
- rauschorum* Theischinger, 1977: 25 (*Tipula* (*Lumatipula*)) – 1 male, 1 female PT
- reducta* Bangerter, 1947: 373 (*Gonomyia* (*Lipophleps*)) – 1 male PT (in alc.)
- Remarks:** Specimen labeled as “Topotype”, as stated by Bangerter (1947).
- reductana* Alexander, 1940: 413 (*Limnophila* (*Adelphomyia*)) – female HT
- reservata* Alexander, 1940: 401 (*Tipula*) – female HT
- retroflexa* Bangerter, 1948: 186 (*Dicranomyia*) – 2 males, 1 female PT (in alc.)
- Remarks:** Synonym of *tristis* (Schummel).
- rifensis* Theowald & Oosterbroek, 1980: 183 (*Tipula* (*Acutipula*)) – male HT
- robusta* Starý, 2003: 602 (*Rhabdomastix* (*Lurdia*)) – 1 male, 1 female PT
- robustus* Bangerter, 1947: 366 (*Dasymolophilus*) – 1 male PT (in alc.)
- Remarks:** Label data does not match literature.
- rostrata* Mendl, 1987: 14 (*Dicranota* (*Paradicranota*)) – male HT (in alc.)
- Remarks:** HT dissected, pinned separately (No. 657).
- rufula* Mannheims & Theowald, 1959: 41 (*Tipula* (*Lunatipula*)) – 1 male, 3 females PT
- rugulosa* Mannheims & Theowald, 1959: 40 (*Tipula* (*Lunatipula*)) – 2 males, 2 females PT
- rumpf* Mannheims & Theowald, 1959: 50 (*Tipula* (*Oreomyza*)) – 3 males PT
- sacc* Mannheims, 1950: 71 (*Tipula* (*Vestiplex*)) – 1 male, 1 female PT
- sacerdotula* Riedel, 1918: 114 (*Tipula*) – 2 males ST
- saltatrix* Savchenko, 1964: 1394 (*Tipula* (*Lunatipula*)) – 1 male, 1 female PT
- sardiniensis* Oosterbroek, 1978: 111 (*Nephrotoma*) – male HT; 7 males, 16 females PT
- Remarks:** Assigned as subspecies of *cornicina* Linnaeus.
- sardosignata* Mannheims & Theowald, 1959: 48 (*Tipula* (*Oreomyza*)) – 1 male, 1 female PT
- savtshenkoi* Starý, 1972: 3 (*Molophilus* (*Molophilus*)) – 1 male PT
- savtshenkoi* Mendl, 1976: 36 (*Dicranoptycha* (*Ulugbekia*)) – male HT (in alc.); 1 male, 2 females PT (in alc.)
- schachti* Mendl, 1986: 293 (*Baeoura*) – 4 males, 4 females PT (in alc.)
- schaeuffelei* Mannheims, 1964: 2 (*Pales*) – 1 male PT
- Remarks:** Assigned to *Nephrotoma*.
- schmidt* Mannheims, 1952: 88 (*Tipula* (*Tipula*)) – male HT; 1 male, 2 females PT
- sciurns* Theischinger, 1977: 7 (*Tipula* (*Lumatipula*)) – male HT

- scurra* Alexander, 1940: 376 (*Pseliophora*) – male HT; 1 female PT
- seguyi* Mannheims, 1954: 174 (*Tipula* (*Lunatipula*)) – 2 males PT
- selenaria* Mannheims, 1967: 281 (*Tipula* (*Lunatipula*)) – 4 males PT
- semipeliostigma* Mannheims, 1965: 208 (*Tipula* (*Lunatipula*)) – male HT
- serena* Alexander, 1969 360: 2 (*Atarba* (*Atarba*)) – 2 males PT
Remarks: PT are damaged.
- sexdentata* Nielsen, 1963: 6 (*Gonomyia* (*Idiocera*)) – male HT; 1 male PT
- sikkinensis* Alexander, 1969: 129 (*Atarba* (*Atarbodes*)) – 2 males, 1 ? PT
Remarks: PT are partially damaged.
- simulans* Savchenko, 1966: 199 (*Tipula* (*Savtshenka*)) – 2 males PT
- sjoestedti* Alexander, 1934: 18 (*Limonia* (*Dicranomyia*)) – 1 male PT (in alc.)
Remarks: Synonym of *D. incisurata* Lackschewitz.
- smithersiana* Alexander, 1959: 51 (*Nephrotoma*) – 1 female PT
- soosi* Mannheims, 1954: 160 (*Tipula* (*Lunatipula*)) – 6 males, 2 females PT
- spatha* Oosterbroek, 1975: 119 (*Nephrotoma*) – male HT; 1 male PT
Remarks: PT dissected.
- spathifera* Mannheims, 1953: 5 (*Tipula* (*Oreomyza*)) – 2 males, 1 female PT (in alc.)
- spinula* Mendl, 1973: 114 (*Erioptera* (*Ilisia*)) – 4 males, 2 females PT (in alc.)
Remarks: Assigned to *Hoplolabis* (*Parilisia*).
- spoliatrix* Alexander, 1940: 387 (*Tipula* (*Formotipula*)) – male HT; 2 females PT
- stalactitica* Alexander, 1940: 379 (*Dictenidia*) – male HT
Remarks: HT not female as listed in the “Catalog of the Diptera of the Oriental Region”.
- staryi* Mendl, 1973: 65 (*Cheilotrichia* (*Empeda*)) – male HT (in alc.)
- stenoptera* Mannheims, 1962: 128 (*Tipula* (*Savtshenka*)) – 1 male, 1 female PT
- sternalis* Theischinger, 1977: 32 (*Tipula* (*Lunatipula*)) – male HT; 1 male, 1 female PT
- sternolobatooides* Alexander, 1964: 283 (*Limonia* (*Dicranomyia*)) – 2 females PT
- stimulosa* Mannheims, 1973: 325 (*Tipula* (*Lunatipula*)) – male HT; 1 male, 1 female PT (alc.)
Remarks: Species was published in Theowald (1973).
- subanalis* Mannheims, 1951: 57 (*Pales*) – 1 male PT
Remarks: Assigned to *Nephrotoma*.
- subcava* Mannheims, 1963: 172 (*Tipula* (*Lunatipula*)) – male HT; 26 males, 15 females PT
- subexcisa* Lundström 1907: 14 (*Tipula*) – 1 male ST
- subfalcata* Mannheims, 1967: 272 (*Tipula* (*Lunatipula*)) – male HT; 3 males, 4 females PT
- subfalcata* Alexander, 1940: 410 (*Pedicia* (*Pedicia*)) – female HT
- subglacialis* Mannheims & Theowald, 1959: 28 (*Tipula* (*Oreomyza*)) – male LT; 17 males, 5 females PLT
Remarks: LT designated by Theowald (1980: 508). Assigned to subgenus *Pterelachisus*.
- subhelvola* Mannheims & Theowald, 1959: 39 (*Tipula* (*Lunatipula*)) – male HT; 7 males, 4 females PT
- subinvenusta* Šlipka, 1950: 78 (*Tipula* (*Oreomyza*)) – male HT; 5 males, 5 females PT
Remarks: Assigned as subspecies of *invenusta* Riedel.
- sublurida* Stary, 2003: 598 (*Rhabdomastix* (*Lurdia*) – 1 male, 1 female PT
- submontium* Theowald & Oosterbroek, 1981: 39 (*Tipula* (*Yamatotipula*)) – 2 males PT
- subonusta* Mannheims & Theowald, 1959: 43 (*Tipula* (*Lunatipula*)) – male HT; 3 males, 3 females PT
- subpustulata* Mannheims, 1963: 174 (*Tipula* (*Lunatipula*)) – 7 males, 4 females PT
- subtrunca* Mannheims, 1966: 237 (*Tipula* (*Lunatipula*)) – male HT
- subtruncata* Mannheims, 1954: 171 (*Tipula* (*Lunatipula*)) – 1 male, 2 females PLT
Remarks: LT & PLT designated by Mannheims & Theowald (1959) (except some specimens collected in 1957 which were not part of the original type series).
- tananarivia* Alexander, 1960: 215 (*Tipula* (*Acutipula*)) – 1 male, 1 female PT
Remarks: Label data does not match the literature.
- tatrica* Stary, 2003: 605 (*Rhabdomastix* (*Lurdia*) – 1 male, 1 female PT
- terpsichore* Mannheims, 1954: 180 (*Tipula* (*Lunatipula*)) – male HT; 17 males, 9 females PT
Remarks: Assigned under new name, *thais* Mannheims.
- theia* Mannheims, 1963: 176 (*Tipula* (*Lunatipula*)) – male HT; 14 males, 9 females PT
- theowaldi* Stary, 1982: 29 (*Gonomyia* (*Gonomyia*)) – 1 male PT (in alc.)
- theowaldi* Mannheims, 1959: 155 (*Phyllolabis*) – male HT; 4 males, 3 females PT
- tibonella* Theischinger, 1977: 14 (*Tipula* (*Lunatipula*)) – male HT
- titania* Mannheims, 1966: 244 (*Tipula* (*Lunatipula*)) – female HT
- tjeder* Mendl, 1974: 30 (*Pedicia* (*Crunobia*)) – male HT (in alc.)
- tjeder* Savchenko, 1967: 17 (*Phyllolabis*) – 1 male, 1 female PT
- tricuspidatus* Mendl, 1979: 183 (*Molophilus*) – male HT; 8 males, 3 females PT (in alc.)
Remarks: HT dissected, pinned separately (No. 243).
- trigona* Mannheims, 1966: 253 (*Tipula* (*Lunatipula*)) – male HT

trunca Mannheims, 1954: 170 (*Tipula* (*Lunatipula*)) – male HT; 2 males, 2 females PT

turca Mannheims, 1963: 165 (*Tipula* (*Lunatipula*)) – male HT

tnrcolivida Mannheims, 1968: 298 (*Tipula* (*Lunatipula*)) – male HT

turgida Oosterbroek, 1997: 193 (*Tipula* (*Lunatipula*)) – 1 male, 2 females PT

tyche Mannheims, 1966: 496 (*Tipula* (*Lunatipula*)) – male HT; 2 males, 1 female PT

unguifer Starý, 1978: 346 (*Molophilus* (*Molophilus*)) – 4 males PT (in alc.)

Remarks: Synonym of *M. vafer* Lackschewitz.

unicornis Alexander, 1961: 208 (*Neplrotoma*) – 1 female PT

urania Mannheims, 1954: 178 (*Tipula* (*Lunatipula*)) – male HT; 25 males, 15 females PT

ursulae Mannheims, 1965: 206 (*Tipula* (*Lunatipula*)) – male HT

Remarks: HT damaged, genitalia in microtube pinned separate.

usingeri Alexander, 1966: 107 (*Elliptera*) – 4 PT

Remarks: Two specimens on each pin; all destroyed, sex unknown.

vaillanti Theowald, 1977: 8 (*Tipula* (*Vestiplex*)) – 3 males PT

Remarks: 1 male PT? in alcohol, original specimen identified by Mannheims for published name in Vaillant (1956), same label data as holotype published by Theowald (1977). No indication in description of an alcohol specimen.

vana Savchenko, 1980: 36 (*Gonomyia* (*Gonomyia*)) – 1 male PT

Remarks: PT dissected, pinned separately.

venerabilis Alexander, 1935: 395 (*Tipula* (*Oreomyza*)) – 1 male PT

Remarks: Assigned to subgenus *Savtshenkia* Alexander.

veneris Alexander, 1952: 54 (*Limonia* (*Dicranomyia*)) – 1 male, 1 female, 1 ? PT

verbernae Mannheims & Theowald, 1959: 53 (*Tipula* (*Vestiplex*)) – 40 males, 12 females PT

whitneyi Alexander, 1923: 161 (*Tipula*) – 1 male PT

wirthiana Alexander, 1970: 46 (*Gonomyia* (*Paralipophleps*)) – 1 male PT

Remarks: PT damaged.

wolffi Mannheims, 1954: 175 (*Tipula* (*Lunatipula*)) – male HT; 2 females PT

xanthoptera Alexander, 1966: 266 (*Angarotipula*) – 1 male PT

Remarks: PT damaged.

zangerii Lackschewitz, 1932: 182 (*Tipula*) – 3 males, 3 females PNT

Remarks: NT & PNT designated by Mannheims (1967: 284) (PNT have no status).

zarcoi Mannheims, 1967: 282 (*Tipula* (*Lunatipula*)) – 28 males, 21 females PT

zernyi Mannheims, 1952: 110 (*Tipula* (*Schummelia*)) – 2 males, 4 females PT

zwicki Mendl, 1973: 291 (*Pedicia* (*Tricyphona*)) – male HT (in alc.)

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Family: Trichoceridae

candida Dahl 1976: 63 (*Trichocera (Metatrichocera)*) – 1 male PT (in alc.)

dahl Mendl 1971: 61 (*Trichocera*) – male HT; 6 males PT (in alc.)

Remarks: HT collected 7.10.70 not 5.10.70 (as publ.).

implicata Dahl 1976: 59 (*Trichocera* s.s.) – 1 male PT (in alc.)

mendl Dahl 1976: 61 (*Trichocera* s.s.) – 1 male PT (in alc.)

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Family: Ulidiidae

japonica Kameneva 2006: 24 (*Herina*) – 2 males, 1 female PT

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Table 1. The total number of types for Embiidina, Isoptera, Neuroptera, Mecoptera and Raphidioptera in ZFMK
HT – holotype, LT – lectotype, NT – neotype, PLT – paralectotype, PT – paratype, ST – syntype.

Order	ST (# spp.)	HT	LT	NT	PT & PLT (# spp.)
Embiidina		1			
Isoptera	1				
Neuroptera	4		3		1
Mecoptera	1	6			1
Raphidioptera	1	1			

Table 2. The total number of types for the families of Diptera in ZFMK
HT – holotype, LT – lectotype, NT – neotype, PLT – paralectotype, PT – paratype, ST – syntype.

Family	ST (# spp.)	HT	LT	NT	PT & PLT (# spp.)
Anthomyiidae		6			
Asilidae		2			2
Atelestidae					1
Blephariceridae	11	3	2		3
Brachystomatidae		1			14
Calliphoridae					1
Cecidomyiidae		1			6
Chloropidae					10
Dolichopodidae (<i>s. lat.</i>)		2			23
Empididae	2	30			26
Glossinidae					1
Hybotidae					5
Milichiidae					2
Muscidae	1	3			
Oreoleptidae					1
*Phoridae		7			8
Pipunculidae		4			
Platystomatidae	1				
Psychodidae		2			
Ptychopteridae					2
**Scaridae	3	11	67		22
Sciomyzidae	2				
Stratiomyidae	1	3			
Syrphidae			1	1	3
Tabanidae		4			
Tachinidae		2			
Tephritidae		11			4
Thaumaleidae					3
Tipulidae (<i>s. lat.</i>)	14	160	6	4	185
Trichoceridae		1			3
Ulidiidae					1
Total	33	255	76	5	326

*Exclusive of the Schmitz and Beyer collections, which include 452 and 152 types, respectively.

**Only the Palearctic species of Scaridae have been identified. Data taken from Menzel & Mohrig (2000).

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