

Isoptera, Embioptera, Neuroptera, Mecoptera, Raphidioptera and Diptera (exclusive of Phoridae) Types in ZFMK

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Abstract. The total type material of the Embioptera, Isoptera, Neuroptera, Mecoptera, Raphidioptera and Diptera (exclusive of Phoridae) collections housed in the Zoologisches Forschungsmuseum Alexander Koenig (ZFMK), as of 31 December 2006, are catalogued. The collection contains 253 holotypes, 79 lectotypes and five neotypes. Thirty-nine species are represented by syntypes and 304 by para- and paralectotypes. Reference to the original description of each taxon is provided and sex and number of each type given.

Key words. type specimens, ZFMK

1. 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 (BAHRMANN 1999). The total number of types for the families of Diptera is summarized in Table 1.

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 where 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.

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DIPTERA (exclusive of Phoridae)

Family: Anthomyiidae

asiatica Hennig, 1976: 938 (*Egle*) - ♂ HT

Remarks: HT dissected, genitalia mounted on 3 microscope slides.

bacilligera Hennig, 1974: 743 (*Delia*) - ♂ HT; 6 ♂ PT

Remarks: HT dissected, genitalia mounted on 2 microscope slides.

chinensis Hennig, 1973: 542 (*Pegomya*) - ♂ HT; 1 ♂ PT

Remarks: HT dissected, genitalia mounted on 4 microscope slides.

graeca Hennig, 1970: 332 (*Botanophila*) - ♂ HT; 1 ♂ PT

Remarks: HT dissected, genitalia mounted on 4 microscope slides.

parafrontella Hennig, 1974: 865 (*Delia*) - ♂ HT

Remarks: HT dissected, genitalia mounted on 2 microscope slides.

trifurcata Hennig, 1976: 953 (*Pegphylemyia*) - ♂ HT

Remarks: Assigned to *Botanophila* Lioy; HT dissected, genitalia mounted on 3 microscope slides.

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Family: Asilidae

bacescui Weinberg, 1979: 281 (*Dasyopogon*) - ♂ HT; 4 ♂, 4 ♀ PT

comosus Scarbrough & Marascia, 2003: 28 (*Ommatius*) - 5 ♂, 3 ♀ PT

gerardi Weinberg, 1987: 156 (*Dasyopogon*) - ♂ HT

kugleri Weinberg, 1985: 194 (*Dasyopogon*) - 1 ♀ PT

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Family: Atelestidae

zaitsevi Sinclair & Shamshev, 2003: 2950 (*Nemedina*) - 1 ♂, 1 ♀ PT

Remarks: The female PT is cleared and stored in glycerine.

REFERENCES

SINCLAIR, B. J. & SHAMSHEV, I. V. 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*) - ♂ LT, 1 pupa, 1 larva PLT

cinerascens tyrrenica Edwards, 1928: 175 (*Liponeura*) - 1 ♂ ST

Remarks: Syn. of *L. cinerascens* Loew.

deceptrix Zwick, 1978: 249 (*Liponeura*) - ♂ HT, 13 ♂ PT

deceptrix Bezzi, 1913: 103 (*Liponeura*) - 1 ♂, PLT

Remarks: LT and PLT des. Zwick 1980: 52.

edwardsiana Mannheims, 1954: 101 (*Liponeura*) - 4 ♂, 3 ♀ PT

itala Zwick, 1978: 251 (*Liponeura*) - ♂ HT (in alc.)

kanii Kitakami, 1938: 344 (*Neohapalothrix*) - 1 pupa, 3 larvae ST (in alc.)

kawamurai ezoensis Kitakami, 1950: 46 (*Bibiocephala*) - ♂ 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 ♂, 1 ♀, 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*) - ♀ HT

Remarks: Assigned to *Neohapalothrix* Kitakami.

montana Kitakami, 1931: 78 (*Bibiocephala*) - 1 pupa ST (in alc.)

Remarks: Assigned to *Agathon*.

sardous 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 ♀ PT
- attenuatus* Sinclair, 2003: 16 (*Ceratomerus*) - 3 ♂ PT
- barringtonensis* Sinclair, 2003: 10 (*Ceratomerus*) - 2 ♂ PT
- falcatus* Sinclair, 2003: 27 (*Ceratomerus*) - 13 ♂ PT
- globosus* Sinclair, 2003: 21 (*Ceratomerus*) - 2 ♂, 3 ♀ PT
- hibernus* Sinclair, 2003: 29 (*Ceratomerus*) - 1 ♀ PT
- japonica* Saigusa, 1963: 121 (*Heleodromia*) - 2 ♂, 1 ♀ PT
- lobatus* Sinclair, 2003: 38 (*Ceratomerus*) - 14 ♂, 2 ♀ PT
- macalpinei* Sinclair, 2003: 23 (*Ceratomerus*) - 1 ♂ PT
- maculatus* Sinclair, 2003: 29 (*Ceratomerus*) - 13 ♂, 6 ♀ PT
- malleolus* Sinclair, 2003: 23 (*Ceratomerus*) - 1 ♂, 1 ♀ PT
- oreas* Sinclair, 2003: 26 (*Ceratomerus*) - 1 ♂ PT
- orientalis* Sinclair, 2003: 39 (*Ceratomerus*) - 33 ♂, 14 ♀ PT
- rami* Wagner & Leese, 2004: 15 (*Heleodromia*) - ♂ HT (in alc.)
- victoriae* Sinclair, 2003: 14 (*Ceratomerus*) - 5 ♂, 5 ♀ PT

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Family: Calliphoridae

zelandica Holloway, 1976: 281 (*Mystacinobia*) - 6 ♂, 2 ♀ PT (in alc.)

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Family: Chloropidae

agropyri Nartshuk, 1964: 312 (*Dicraeus*) - 1 ♂, 1 ♀ PT
bothriochloae Nartshuk, 1978: 86 (*Dicraeus*) - 1 ♂, 1 ♀ PT
flavescens Nartshuk, 1974 - 367 (*Dicraeus*) - 1 ♂, 1 ♀ PT
humeralis Nartshuk, 1964: 311 (*Dicraeus*) - 1 ♂, 1 ♀ PT
miscanthi Nartshuk, 1967: 435 (*Dicraeus*) - 1 ♂, 1 ♀ PT
nartshukae Kanmiya, 1971: 169 (*Dicraeus*) - 1 ♂, 1 ♀ PT
nigriventris Nartshuk, 1964: 314 (*Dicraeus*) - 1 ♂, 1 ♀ PT
sasae Nartshuk, 1973: 941 (*Platycephala*) - 2 ♀ PT
setiger Nartshuk, 1973: 72 (*Dicraeus*) - 1 ♂, 1 ♀ PT
typhae Nartshuk, 1971: 710 (*Stenophthalmus*) - 1 ♂, 1 ♀ PT

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Family: Dolichopodidae (*s. lat.*)

anomalopus Takagi, 1965: 73 (*Conchopus*) - 4 ♂, 2 ♀ PT

bimaculatus Pollet, 1997: 361 (*Achalculus*) - 1 ♂, 1 ♀ PT (in alc.)

borealis Takagi, 1965: 55 (*Conchopus*) - 3 ♂, 2 ♀ PT

canzonerii Rampini, 1975: 137 (*Campsicnemus*) - 1 ♂, 1 ♀ PT

Remarks: Syn. of *C. picticornis* (Zetterstedt).

flavus Ulrich, 1991: 198 (*Plesiothalassius*) - 1 ♂, 2 ♀ PT (in alc.)

genualis Takagi, 1968: 43 (*Diostracus*) - 2 ♂, 1 ♀ PT

inornatus Takagi, 1968: 45 (*Diostracus*) - 1 ♂, 1 ♀ PT

latus Ulrich, 1991: 206 (*Amphithalassius*) - 1 ♂, 1 ♀ (pinned) 8 ♂, 4 ♀ (in alc.) PT

longicornis Saigusa, 1984: 67 (*Diostracus*) - 1 ♂, 1 ♀ PT

longisetosus Takagi, 1965: 81 (*Acymatopus*) - 5 ♂ PT

magnipalpis Saigusa, 1984: 45 (*Diostracus*) - 1 ♂, 1 ♀ PT

major Takagi, 1965: 79 (*Acymatopus*) - 1 ♂, 1 ♀ PT

merzi Gatt, 2003: 677 (*Microphorella*) - ♂ HT (in alc.); 7 ♂, 2 ♀ PT (in alc.), 7 ♂, 5 ♀ PT (pinned)

minor Takagi, 1965: 81 (*Acymatopus*) - 1 ♂, 1 ♀ PT

natalensis Ulrich, 1991: 194 (*Plesiothalassius*) - 1 ♂, 1 ♀ (pinned), 3 ♂, 4 ♀ (in alc.) PT

nepalensis Saigusa, 1984: 62 (*Diostracus*) - 1 ♂, 1 ♀ PT

nigropunctatus Pollet & Brunhes, 1997: 376 (*Achalculus*) - 1 ♂ PT (in alc.)

nishidai Saigusa, 1984: 23 (*Diostracus*) - 1 ♂ PT

nodulatus Takagi, 1965: 70 (*Conchopus*) - 3 ♂, 2 ♀ PT

piricornis Ulrich, 1991: 201 (*Amphithalassius*) - 1 ♂ (pinned) 3 ♂, 3 ♀ (in alc.) PT

roghii Rampini & Canzoneri, 1979: 265 (*Medetera*) - 1 ♂, 2 ♀ PT

saigusai Takagi, 1965: 64 (*Conchopus*) - 2 ♂, 2 ♀ PT

stuckenbergerorum Irwin, 1974: 236 (*Sciopolina*) - 1 ♂, 1 ♀ PT

venetus Meuffels, 1977: 201 (*Sciapus*) - 1 ♂, 1 ♀ PT

ulrichi Gatt, 2003: 671 (*Microphorella*)- ♂ HT (in alc.); 6 ♂, 6 ♀ PT (in alc.), 11 ♂, 6 ♀ PT (pinned)

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Family: Empididae

- accomodata* Wagner & Leese, 2004: 10 (*Chelifera*) - ♂ HT (in alc.)
- akatarawa* Sinclair & McLellan, 2004: 630 (*Hydropeza*) – 3 ♂, 3 ♀ PT
- alpina* Sinclair & Saigusa, 2001: 511 (*Ragas*) - 3 ♂, 2 ♀ PT
- alpina* Vaillant, 1981: 368 (*Chelifera*) - ♂ HT
- Remarks:** Mounted on microscope slide.
- asiatica* Sinclair & Saigusa, 2005: 194 (*Trichoclinocera*) – 5 ♂, 6 ♀ PT
- bilobatus* Wagner & Leese, 2004: 22 (*Roederiodes*) - ♂ HT (in alc.)
- brevidigitata* Wagner & Leese, 2004: 10 (*Chelifera*) - ♂ HT (in alc.)
- chitoides* Wagner & Leese, 2004: 13 (*Hemerodromia*) - ♂ HT (in alc.)
- ciwatikina* Sinclair & Evenhuis, 2005: 4 (*Dolichocephala*) – 2 ♂, 2 ♀ PT
- clarae* Sinclair & McLellan, 2004: 633 (*Hydropeza*) – 3 ♂, 3 ♀ PT
- corsicana* Vaillant, 1981: 365 (*Chelifera*) - ♂ HT
- Remarks:** Mounted on microscope slide.
- curvata* Wagner & Leese, 2004: 7 (*Chelifera*) - ♂ HT (in alc.)
- cuspidata*, Wagner & Leese, 2004: 16 (*Clinocera*) ♂ HT (in alc.)
- czizeki* Barták, 1982: 399 (*Rhamphomyia* s.s.) - 1 ♀ PT
- daviesi* Sinclair & McLellan, 2004: 634 (*Hydropeza*) – 1 ♂, 1 ♀ PT
- digitata* Wagner & Leese, 2004: 10 (*Chelifera*) - ♂ HT (in alc.)
- elongatiodes* Wagner & Leese, 2004: 13 (*Hemerodromia*) - ♂ HT (in alc.)
- haeselbarthae* Wagner & Leese, 2004: 11 (*Chelifera*) - ♂ HT (in alc.)
- insueta* Wagner & Leese, 2004: 5 (*Chelifera*) - ♂ HT (in alc.)
- klapperichi* Frey, 1953: 79 (*Rhamphomyia* (*Eorhamphomyia*)) - 1 ♂, 1 ♀ ST
- longicauda* Sinclair & Saigusa, 2001: 514 (*Ragas*) - 1 ♂, 1 ♀ PT
- longicercus* Wagner & Leese, 2004: 16 (*Clinocera*) - ♂ HT (in alc.)
- lunata* Wagner & Leese, 2004: 18 (*Clinocera*) - ♂ HT (in alc.)

lunatooides Wagner & Leese, 2004: 18 (*Clinocera*) - ♂ HT (in alc.)
mandarina Frey, 1953: 40 (*Rhamphomyia (Planempis)*) - 1 ♂, 2 ♀ ST
marginesetosa Wagner & Leese, 2004: 16 (*Clinocera*) - ♂ HT (in alc.)
milleri Sinclair & McLellan, 2004: 638 (*Hydropeza*) – 1 ♂, 1 ♀ PT
multisetata Wagner & Leese, 2004: 6 (*Chelifera*) - ♂ HT (in alc.)
naggarensis Wagner & Leese, 2004: 22 (*Roederiodes*) - ♂ HT (in alc.)
naumanni Sinclair & Saigusa, 2005: 201 (*Trichoclinocera*) – 2 ♂, 2 ♀ PT
nepalensis Sinclair & Saigusa, 2005: 202 (*Trichoclinocera*) – 5 ♂, 3 ♀ PT
nevadensis Lindner, 1962: 1 (*Rhamphomyia*) - 1 ♂ 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*) ♂ HT

Remarks: Mounted on microscope slide.

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

pyrenaica Vaillant, 1981: 384 (*Chelifera*) - ♂ HT, 1 ♂ PT

Remarks: Mounted on microscope slide.

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

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

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

rubriventris Sinclair, 2000: 356 (*Clinocera*) - 2 ♂, 3 ♀ PT

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

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

serraticauda meridionalis Vaillant, 1981: 373 (*Chelifera*) - ♂ 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.

Syn. of *serraticauda* (HORVAT 2002).

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

sinclairi Wagner & Leese, 2004: 19 (*Clinocera*) - ♂ HT (in alc.)

siveci Wagner & Horvat, 1993: 36 (*Roederiodes*) - 3 ♂, 3 ♀ PT (in alc.)

Remarks: Assigned to *Clinocerella* Engel.

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

stauderae Wagner & Leese, 2004: 8 (*Chelifera*) - ♂ HT (in alc.)

taiwanensis Sinclair & Saigusa, 2005: 204 (*Trichoclinocera*) – 39 ♂, 52 ♀ PT

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

walutikina Sinclair & Evenhuis, 2005: 7 (*Dolichocephala*) – 3 ♂, 3 ♀ PT

yunnana Sinclair & Saigusa, 2005: 206 (*Trichoclinocera*) – 17 ♂, 11 ♀ PT

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Family: Glossinidae

martinii Zumpt, 1935: 146 (*Glossina*) - 2 ♀ PT

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Family: Hybotidae

irrorata Sinclair & Cumming, 2000: 168 (*Apterodromia*) - 1 ♂ PT

nigripennis Chvála, 1975: 169 (*Dysaletria*) - 1 ♂, 1 ♀ PT

schnitteri Stark, 1996: 301 (*Tachydromia*) - 1 ♂, 1 ♀ PT (in alc.)

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- SINCLAIR, B. J. & CUMMING, J. M. 2000. Revision of the genus *Apterodromia* Oldroyd (Diptera:

Empidoidea), with a redefinition of the tribe Ocydromiini. Records of the Australian Museum **52**: 161-186.

STARK, A. 1996. Eine neue brachyptere *Tachydromia* aus Deutschland und Diskussion ihres Indikatorwertes für alte Dünengebiete im Binnenland (Diptera, Empidoidea, Hybotidae). *Studia dipterologica* **3**: 300-310.

Family: Milichiidae

glandulifera Brake & Freidberg, 2003: 279 (*Desmometopa* (*Litometopa*)) - 1 ♀ PT (in alc.)
sabroskyi Brake & Freidberg, 2003: 280 (*Desmometopa* (*Litometopa*)) - 4 ♀ 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 ♂ ST

Remarks: Assigned to *Villeneuveia* (missing head).

leucospila sinica Hennig, 1960: 440 (*Lispe*) - ♀ HT

Remarks: Elevated to species.

lividiventris plumbea Hennig, 1962: 659 (*Alloeostylus*) - ♂ HT; 20 ♂, 4 ♀ PT

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

mandschurica Hennig, 1957: 196 (*Helina*)- ♂ HT; 4 ♀ 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 palaearktischen Region 7(2), Lief. **197**: 145-192.

HENNIG, W. 1960. 63b. Muscidae. In: LINDNER, E. (ed.) Die Fliegen der palaearktischen Region 7(2), Lief. **213**: 433-480.

HENNIG, W. 1962. 63b. Muscidae. In: LINDNER, E. (ed.) Die Fliegen der palaearktischen Region 7(2), Lief. **225**: 625-672.

VILLENEUVE, J. 1902. Description d'une nouvelle espèce de *Limnophora* vivant au bord la mer. Wiener Entomologische Zeitung **21**: 197-198.

Family: Oreoleptidae

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

REFERENCES

ZLOTY, J., SINCLAIR, B. J. & 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: Pipunculidae

goennersdorfensis Dempewolf & Dunk, 1996: 93 (*Eudorylas*) - ♂ HT; 20 ♂, 19 ♀ PT (all in alc.)

johnenae Dempewolf, 1996: 89 (*Eudorylas*) - ♂ HT (in alc.)

Remarks: Genitalia dissected in separate tube.

vineti Dempewolf, 1996: 87 (*Eudorylas*) - ♀ HT; 1 ♂, 7 ♀ PT (all in alc.)

vonderdunki Dempewolf, 1998: 535 (*Eudorylas*) - ♂ HT; 22 ♂ PT (all in alc.)

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- DEMP EWOLF, M. 1996. Taxonomical notes on west palaeartic Pipunculidae including the description of two new *Eudorylas* species (Diptera). *Studia dipterologica* **3**: 87-92.
- DEMP EWOLF, M. 1998. On the taxonomy of two German pipunculid flies with remarks on the terminology of the male genitalia. *Beiträge zur Entomologie* **48**: 531-537.
- DEMP EWOLF, 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 ♂ ST

Remarks: Syn. of *polistiformis* Enderlein.

REFERENCES

- ENDERLEIN, G. 1924. Beiträge zur Kenntnis der Platystominien. *Mitteilungen aus dem Zoologischen Museum in Berlin* **11**: 97-153.

Family: Psychodidae

andalusica Wagner, 1979: 195 (*Saraiella*) - ♂ HT; 1 ♂ PT

Remarks: Mounted on microscope slides.

magna Wagner, 1979: 183 (*Saraiella*) - ♂ HT; 1 ♂ PT

Remarks: Mounted on microscope slides.

REFERENCES

- WAGNER, R. 1979. Zwei neue Psychodiden (Diptera: Psychodidae). *Entomologische Zeitschrift* **89**: 193-196.

Family: Ptychopteridae

helena Peus, 1958: 31 (*Liriope*) - 2 ♂, 1 ♀ PT

hugoi Tjeder, 1968: 78 (*Ptychoptera*) - 1 ♂ PT (in alc.)

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- PEUS, F. 1958. 10b. Liriopidae. 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

Sciaridae 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).

1

- aestivalis* Winnertz, 1871: 853 (*Sciara*) - ♂ LT
Remarks: Syn. of *B. pauperata* (Winnertz).
- alacris* Winnertz, 1867: 76 (*Sciara*) - ♂ LT
Remarks: Syn. of *B. nitidicollis* (Meigen).
- alma* Winnertz, 1871: 860 (*Sciara*) - ♂ LT
Remarks: Syn. of *B. amoena* (Winnertz).
- amoena* Winnertz, 1867: 114 (*Sciara*) - 1 ♂ PLT
Remarks: Assigned to *Bradysia* Winnertz.
- aprica* Winnertz, 1867: 161 (*Sciara*) - ♂ LT
Remarks: Assigned to *Bradysia*.
- auripila* Winnertz, 1867: 163 (*Sciara*) - ♂ LT, 1 ♂ PLT
Remarks: Assigned to *Lycoriella* Frey.
- autumnalis* Winnertz, 1867: 144 (*Sciara*) - ♂ LT
Remarks: Syn. of *Ctenosciara hyalipennis* (Meigen).
- betuleti* Lengersdorf, 1940: 25 (*Neosciara*) - ♂ LT
Remarks: Syn. of *B. hilaris* (Winnertz).
- bicuspidata* Lengersdorf, 1926: 249 (*Sciara*) - 1 ♂ PLT
Remarks: Assigned to *Corynoptera* Winnertz.
- bistrispina* Bukowski & Lengersdorf, 1936: 109 (*Neosciara*) - ♂ LT
Remarks: Assigned to *Corynoptera*.
- blanda* Winnertz, 1867: 152 (*Sciara*) - ♂ LT
Remarks: Assigned to *Corynoptera*.
- brachialis* Winnertz, 1867: 155 (*Sciara*) - ♂ LT
Remarks: Syn. of *Cratyna (Spathobdella) nobilis* (Winnertz).
- brachypennis* Lengersdorf, 1926: 4 (*Bradysia*) - ♀ LT
Remarks: Assigned to *Corynoptera*.
- brevicubitalis* Lengersdorf, 1926: 6 (*Sciara*) - ♀ LT
Remarks: Assigned to *Lycoriella*.
- bruckii* Winnertz, 1867: 38 (*Sciara*) - ♂ LT
Remarks: Assigned to *Pseudolycoriella* Menzil & Mohrig
- brunnea* Bukowski & Lengersdorf, 1936: 107 (*Neosciara*) - ♂ LT
Remarks: Assigned to *Pseudolycoriella*.
- castanescens* Lengersdorf, 1940: 28 (*Neosciara*) - ♂ LT
Remarks: Assigned to *Lycoriella*.

- cellaris* Lengersdorf, 1934: 24 (*Neosciara*) - ♂ LT
Remarks: Assigned to *Lycoriella*.
- concinna* Winnertz, 1867: 150 (*Sciara*) - ♂ LT
Remarks: Assigned to *Corynoptera*.
- corticalis* Lengersdorf, 1930: 38 (*Lycoria* (*Neosciara*)) - ♂ LT
Remarks: Syn. of *Cratyna* (*Cratyna*) *atra* Winnertz.
- cuniculata* Lengersdorf, 1942: 433 (*Neosciara*) - ♂ LT; 7 ♂, 2 ♀ PLT
Remarks: Assigned to *Corynoptera*.
- curviforceps* Bukowski & Lengersdorf, 1936: 108 (*Neosciara*) - ♂ LT
Remarks: Assigned to *Scatopsciara* Edwards.
- curviligula* Lengersdorf, 1952: 45 (*Neosciara*) - ♂ LT
Remarks: Assigned to *Corynoptera*; syn. of *clanda* (Winnertz).
- dalmatina* Lengersdorf, 1937: 140 (*Neosciara*) - ♂ LT; 1 ♂ PLT
Remarks: Assigned to *Bradysia*.
- delicata* Lengersdorf, 1935: 75 (*Neosciara*) - ♂ LT; 3 ♀ PLT
Remarks: Assigned to *Campochaeta*.
- detriticola* Kratochvil, 1936: 14 (*Vimmeria* (*Lengersdorfia*)) - ♂ LT; 1 ♀ PLT
Remarks: Assigned to *Epidapus* Haliday.
- dispar* Schmitz, 1927: 28 (*Pnyxia*) - ♂ LT; 1 ♂, 1 ♀ PLT
Remarks: Syn. of *Pnyxia scabiei* (Hopkins).
- diversiabdominalis* Lengersdorf, 1941: 65 (*Neosciara*) - 7 ♂, 6 ♀ PLT
Remarks: Assigned to *Bradysia*.
- elegans* Winnertz, 1867: 27 (*Sciara*) - ♂ LT
Remarks: Syn. of *Leptosciarella scutellara* (Staeger).
- elongata* Winnertz, 1867: 49 (*Sciara*) - ♂ LT
Remarks: Syn. of *Leptosciarella rejecta* (Staeger).
- falcifera* Lengersdorf, 1933: 250 (*Plastosciara*) - ♂ LT
Remarks: Assigned to *Cratyna* Winnertz.
- felix* Schmitz, 1919: 26 (*Bradysia*) - ♂ LT; 4 ♂, 2 ♀ PLT
Remarks: Assigned to *Lycoriella*.
- fera* Winnertz, 1867: 136 (*Sciara*) - ♂ LT
Remarks: Syn. of *B. fungicola* Winnertz.
- flabellata* Lengersdorf, 1942: 180 (*Neosciara*) - ♂ HT
Remarks: Syn. of *Epidapus* (*Pseudoaptanogyna*) *absconditus* (Vimmer). HT is missing.
- flaviventris* Winnertz, 1867: 116 (*Sciara*) - ♂ LT
Remarks: Syn. of *Lycoriella ingenua* (Dufour).
- formosa* Winnertz, 1871: 854 (*Sciara*) - ♀ HT
Remarks: Syn. of *B. opaca* (Winnertz).
- fusca* Winnertz, 1871: 849 (*Sciara*) - 1 ♂ PLT
Remarks: Syn. of *Corynoptera montana* (Winnertz).
- glabricollis* Winnertz, 1871: 851 (*Sciara*) - 3 ♀ PLT
Remarks: Syn. of *Cratyna schineri* (Winnertz).
- grandicellaris* Lengersdorf, 1926: 250 (*Sciara*) - 1 ♀ PLT
Remarks: Assigned to *Bradysia*.
- halterata* Lengersdorf, 1926: 250 (*Sciara*) - 1 ♀ PLT
Remarks: Assigned to *Phytosciara*.

- hercyniae* Winnertz, 1869: 663 (*Sciara*) - 1 ♂ PLT
Remarks: Syn. of *B. fungicola* (Winnertz).
- heydemanni* Lengersdorf, 1955: 23 (*Neosciara*) - ♂ LT, 1 ♀ PLT
Remarks: Assigned to *Bradysia*.
- hirtula* Lengersdorf, 1934: 25 (*Neosciara*) - ♂ HT
Remarks: Assigned to *Camptochaeta*.
- hispanna* Lengersdorf, 1957: 227 (*Neosciara*) - ♂ LT; 1 ♀ PLT
Remarks: Assigned to *Pseudolykoriella*.
- hispidula* Winnertz, 1871: 847 (*Sciara*) - 1 ♂ PLT
Remarks: Syn. of *Leptosciarella rejecta* (Staeger).
- humilis* Winnertz, 1867: 117 (*Sciara*) - ♂ LT
Remarks: Syn. of *Lycoriella ingenua* (Dufour).
- ignota* Lengersdorf, 1942: 179 (*Caenosciara*) - ♀ HT
Remarks: Assigned to *Epidapus*.
- inflata* Winnertz, 1867: 146 (*Sciara*) - ♂ LT; 6 ♂ PLT
Remarks: Assigned to *Lycoriella*.
- latiforceps* Bukowski & Lengersdorf, 1936: 107 (*Neosciara*) - 1 ♂ ST
Remarks: Syn. of *Cratyna ambigua* (Lengersdorf).
- latifurcata* Lengersdorf, 1942: 3 (*Sciara*) - ♂ LT
Remarks: Assigned to *Parapnyxia*.
- leclercqi* Lengersdorf, 1950: 28 (*Rhynchosciara*) - ♀ HT
Remarks: Syn. of *B. praecox* (Meigen).
- lignea* Lengersdorf, 1941: 3 (*Neosciara*) - ♂ LT; 5 ♂ PLT
Remarks: Syn. of *Cratyna ambigua* (Lengersdorf).
- longicornis* Bukowski & Lengersdorf, 1936: 110 (*Neosciara*) - 1 ♂ PLT
Remarks: Assigned to *Corynoptera*; syn. of *subtilis* (Lengersdorf).
- longicubitalis* Lengersdorf, 1924: 88 (*Cratyna*) - ♂ HT
Remarks: Assigned to *Bradysia*.
- longiseta* Bukowski & Lengersdorf, 1936: 106 (*Neosciara*) - 1 ♀ PLT
Remarks: Syn. of *Pseudolykoriella morenae* (Strobl).
- lugubris* Winnertz, 1867: 62 (*Sciara*) - ♂ LT
Remarks: Syn. of *B. pauperata* (Winnertz).
- lutaria* Winnertz, 1869: 665 (*Sciara*) - 1 ♂ PLT
Remarks: Assigned to *Bradysia*.
- luteofusca* Bukowski & Lengersdorf, 1936: 106 (*Neosciara*) - 1 ♂, 1 ♀ PLT
Remarks: Assigned to *Corynoptera*.
- melina* Schmitz, 1915: 285 (*Pholeosciara*) - ♀ HT
Remarks: Syn. of *Epidapus atomarius* (De Geer).
- meridiana* Lengersdorf, 1926: 393 (*Sciara*) - 1 ♀ PLT
Remarks: Syn. of *B. alpicola* (Winnertz).
- montana* Winnertz, 1869: 659 (*Sciara*) - 1 ♂ PLT
Remarks: Assigned to *Corynoptera*.
- mutabilis* Lengersdorf, 1926: 7 (*Sciara*) - ♀ LT; 1 ♀ PLT
Remarks: Syn. of *B. alpicola* (Winnertz).
- myrtilli* Winnertz, 1867: 109 (*Sciara*) - ♂ LT
Remarks: Syn. of *B. confinis* (Winnertz).
- nana* Winnertz, 1871: 854 (*Sciara*) - ♂ LT

- Remarks:** Assigned to *Scatopsciara*.
nigrescens Winnertz, 1869: 658 (*Sciara*) - 1 ♂ PLT
Remarks: Syn. of *B. confinis* (Winnertz).
nobilis Winnertz, 1867: 135 (*Sciara*) - ♂ HT
Remarks: Assigned to *Cratyna*.
obscuripennis Winnertz, 1867: 55 (*Sciara*) - ♂ LT
Remarks: Syn. of *Leptosciarella scutellara* (Staeger).
occulta Winnertz, 1867: 110 (*Sciara*) - ♂ HT
Remarks: Syn. of *B. confinis* (Winnertz).
ofenkaulis Lengersdorf, 1925: 19 (*Sciara*) - ♂ LT; 2 ♀ PLT
Remarks: Assigned to *Camptochaeta*.
pallidiventris Winnertz, 1867: 150 (*Sciara*) - ♂ LT
Remarks: Assigned to *Bradysia*.
parvula Winnertz, 1867: 122 (*Sciara*) - ♂ LT
Remarks: Assigned to *Corynoptera*.
pavida Winnertz, 1867: 159 (*Sciara*) - ♂ HT
Remarks: Syn. of *Scatopsciara pusilla* (Meigen).
pernitida Edwards, 1915: 165 (*Plastosciara*) - 1 ♂, 1 ♀ PLT
Remarks: Assigned to *Cratyna*.
perpusilla Winnertz, 1867: 177 (*Corynoptera*) - ♂ LT
placida Winnertz, 1867: 67 (*Sciara*) - 2 ♂ PLT
Remarks: Assigned to *Bradysia*.
platyventralis Lengersdorf, 1957: 228 (*Neosciara*) - ♀ LT
Remarks: Assigned to *Scatopsciara*.
polonica Lengersdorf, 1929: 109 (*Sciara* (*Neosciara*)) - ♂ LT; 3 ♂ PLT
Remarks: Assigned to *Bradysia*.
porrecta Lengersdorf, 1929: 108 (*Sciara* (*Neosciara*)) - ♂ LT; 1 ♂ PLT
Remarks: Assigned to *Phytosciara*.
pullula Winnertz, 1867: 112 (*Sciara*) - ♂ LT
Remarks: Syn. of *B. rufescens* (Zetterstedt).
pumila Winnertz, 1853: 179 (*Zygoneura*) - 4 ♂ ST
Remarks: Syn. of *Epidapus atomarius* (De Geer).
quinquedentata Lengersdorf, 1936: 3 (*Neosciara*) - ♂ LT
Remarks: Syn. of *B. lapponica* (Lengersdorf).
refrigerata Lengersdorf, 1930: 3 (*Neosciara*) - ♂ LT; 1 ♀ PLT
Remarks: Assigned to *Corynoptera*.
segnis Winnertz, 1871: 858 (*Sciara*) - ♂ LT
Remarks: Syn. of *Lycoriella ingenua* (Dufour).
selecta Winnertz, 1871: 859 (*Sciara*) - ♂ LT
Remarks: Syn. of *B. amoena* (Winnertz).
semialata Edwards, 1913: 210 (*Sciara*) - 1 ♂, 1 ♀ PLT
Remarks: Assigned to *Pseudolycoriella*.
setigera Winnertz, 1867: 151 (*Sciara*) - ♂ LT
Remarks: Syn. of *B. amoena* (Winnertz).
signata Winnertz, 1867: 158 (*Sciara*) - ♂ LT
Remarks: Syn. of *B. amoena* (Winnertz).
solani Winnertz, 1871: 855 (*Sciara*) - ♂ PLT

- Remarks:** Syn. of *Lycoriella ingenua* (Dufour).
spoeckeri Lengersdorf, 1930: 95 (*Neosciara*) - ♂ LT; 1 ♀ PLT
Remarks: Assigned to *Corynoptera*.
stokesi Edwards, 1925: 223 (*Psilosciara*) - 2 ♂ PLT
Remarks: Syn. of *Cratyna schineri* (Winnertz).
subterranea Schmitz, 1913: 212 (*Peyerimhoffia*) - ♀ HT
Remarks: Syn. of *Pnyxia scabiei* (Hopkins).
syrriaca Lengersdorf, 1934: 55 (*Neosciara*) - ♂ LT
Remarks: Assigned to *Corynoptera*.
trichoptera Lengersdorf, 1926: 248 (*Sciara*) - 1 ♀ PLT
Remarks: Syn. of *B. nitidicollis* (Meigen) (only wings).
triseriata Winnertz, 1867: 157 (*Sciara*) - ♂ LT; 1 ♂ PLT
Remarks: Syn. of *B. amoena* (Winnertz).
turbida Winnertz, 1867: 165 (*Sciara*) - ♂ HT
Remarks: Syn. of *B. amoena* (Winnertz).
uliginosa Lengersdorf, 1929: 317 (*Sciara*) - 10 ♂, 10 ♀ ST
Remarks: Assigned to *Cratyna*. Type series is missing.
ungulata Winnertz, 1867: 142 (*Sciara*) - ♂ LT
Remarks: Assigned to *Phytosciara*.
vana Winnertz, 1871: 857 (*Sciara*) - ♂ LT
Remarks: Syn. of *B. amoena* (Winnertz).
vanderwielii Schmitz, 1920: 363 (*Bradysia*) - ♀ LT
Remarks: Syn. of *Lycoriella subterranea* (Mäkel).
velox Winnertz, 1867: 111 (*Sciara*) - ♂ PLT
Remarks: Syn. of *Lycoriella ingenua* (Dufour).
venusta Winnertz, 1867: 115 (*Sciara*) - ♂ LT
Remarks: Syn. of *Lycoriella ingenua* (Dufour).
vivida tenuicornis Lengersdorf, 1932: 161 (*Neosciara*) - ♂ LT
Remarks: Assigned to *Scatopsiara*.
vivida Winnertz, 1867: 156 (*Sciara*) - ♂ LT
Remarks: Syn. of *Scatopsiara atomaria* (Zetterstedt).
wasmanni Schmitz, 1919: 96 (*Hyperlasion*) - ♂ LT; 6 ♀, 1 larva PLT

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Family: Sciomyzidae

- manchurica* Rozkošný & Knutson, 1991: 67 (*Elgiva*) - ♂ HT
Remarks: Genitalia dissected, in microvial.
- orientalis* Rozkosny & Knutson, 1991: 65 (*Pherbellia*) - ♀ HT

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Family: Stratiomyidae

- alini* Lindner, 1955: 221 (*Odonotomyia*) - 3 ♂, 2 ♀ ST
Remarks: Labelled as HT and PT, but no information provided in publication.
- quadripartita* Lindner, 1940: 33 (*Hermione*) - ♀ HT
- sinensis* Lindner, 1940: 23 (*Prosopochrysa*) - ♂ HT
- szechuanensis* Lindner, 1954: 208 (*Parastratiosphecomyia*) - ♂ HT; 14 ♂, 4 ♀ PT

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LINDNER, E. 1955. Zur Kenntnis der ostasiatischen Stratiomyiiden (Dipt.). Bonner zoologische Beiträge **6**(3-4): 220-222.

Family: Syrphidae

bracusi Vujić & Claussen, 1994: 137 (*Cheilosia*) - 1 ♂, 1 ♀ 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 ♀ 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 ♀ PT

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CLAUSSEN, C. 1998. Die europäischen Arten der *Cheilosia alpina*-Gruppe (Diptera, Syrphidae). Bonner zoologische Beiträge **47**(3-4): 381-405.

MARCOS-GARCÍA, Ma A. & CLAUSSEN, C. 1989. Description of *Cheilosia iberica*, new species, from the Iberian Peninsula (Diptera, Syrphidae). Bonner zoologische Beiträge **40**: 57-62.

SCHMID, U. 2004. *Microdon rhenanus* and *Microdon eggeri* var. *major* (Diptera, Syrphidae) revisited. Volucella **7**: 111-124.

VUJIĆ, A. & CLAUSSEN, C. 1994. *Cheilosia bracusi*, a new hoverfly from the mountains of Central and Southern Europe (Diptera: Syrphidae). Bonner zoologische Beiträge **45**(2): 137-146.

Family: Tabanidae

agrestis afghanistanicus Moucha & Chvála, 1959: 279 (*Atylotus*) - ♀ HT; 3 ♂, 7 ♀ PT

Remarks: Syn. of *quadrifarius* (Loew).

grandis schiva Moucha & Chvála, 1959: 284 (*Tabanus*) - ♀ HT; 3 ♂, 7 ♀ PT

Remarks: Elevated to full species.

olsuffjeviana Moucha & Chvála, 1959: 276 (*Tylostypia*) - ♀ HT; 23 ♀ PT

Remarks: Assigned to *Hybomitra* Enderlein.

olsuffjeviana pseudozonata Moucha & Chvála, 1959: 277 (*Tylostypia*) - ♀ HT; 2 ♀ PT

Remarks: Syn. of *olsuffjeviana* Moucha & Chvála.

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MOUCHA, J. & CHVÁLA, M. 1959. Die Tabaniiden der Afghanistan-Expedition (1952-1953) J. Klapperichs (Diptera, Tabanidae). Acta Entomologica Musei Nationalis Pragae **33**:

273-286.

Family: Tachinidae*klapperichi* Mesnil, 1956: 532 (*Turanogonia*) - ♂ HT; 3 ♂, 1 ♀ PT*tridentata* Mesnil, 1961: 703 (*Meigenia*) - ♂ HT**REFERENCES**MESNIL, L. P. 1956. 64g. Larvaevorinae (Tachininae). In: LINDNER, E. (ed.) Die Fliegen der palaearktischen Region 10(1), Lief. **192**: 513-560.MESNIL, L. P. 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*) - ♂ HT; 2 ♂, 4 ♀ PT*admirandum* Hering, 1953: 346 (*Chaetostoma*) - ♂ HT*aethiops* Hering, 1939: 143 (*Neanomoea*) - ♀ HT**Remarks:** Assigned to *Philophylla* Rondani.*afghana* Hering, 1961: 322 (*Tephrella*) - ♀ HT; 6 ♀ PT**Remarks:** Assigned to *Aciura* R.-D. Holotype is ♀ not ♂ as stated on label.*apicata* Freidberg, 1979: 16 (*Myopites*) - 1 ♂, 1 ♀ PT*crinita* Hering, 1961: 328 (*Tephritis*) - ♀ HT**Remarks:** Wing is mounted.*fukienica* Hering, 1939: 146 (*Platensina*) - ♀ HT; 1 ♂ PT*hermonis* Freidberg, 1974: 49 (*Urophora*) - 1 ♂, 1 ♀ PT*maccus virgulata* Hering, 1961: 329 (*Tephritis*) - 2 ♂ PT*occultus* Hering, 1939: 144 (*Phagocarpus*) - ♂ HT**Remarks:** Assigned to *Anomoia* Walker, highly damaged, only wing and some legs remain. Syn. of *A. klossi* (Edwards).*pallescens* Hering, 1961: 326 (*Tephritis*) - ♂ HT**Remarks.** Wing is mounted.*parvisetalis* Hering, 1939: 144 (*Rioxoptilona*) - ♂ HT**Remarks:** Assigned to *Chaetomerella* De Meijere (Korneyev pers. comm.).*setibasis* Hering, 1953: 346 (*Euleia*) - ♂ HT**Remarks:** Assigned to *Acidiella* Hendel (Korneyev pers. comm.).*sonchina* Hering, 1937: 112 (*Tephritis*) - 1 ♂, 1 ♀ PT*vilis* Hering, 1961: 325 (*Galada*) - ♀ HT**Remarks:** HT highly damaged. Assigned to *Terellia* Robineau-Desvoidy.**REFERENCES**FREIDBERG, A. 1974. Descriptions of new Tephritidae (Diptera) from Israel. Journal of the Entomological Society of Southern Africa **37**(1): 49-62.FREIDBERG, A. 1979. On the taxonomy and biology of the genus *Myopites* (Diptera: Tephritidae). Israel Journal of Entomology **13**: 13-26.

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- HERING, E. M. 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

japonica Sinclair & Saigusa, 2002: 176 (*Trichothaumalea*) - 2 ♂ PT (pinned), 1 ♀ PT (in alc.)

REFERENCES

- SINCLAIR, B. J. & SAIGUSA, T. 2002. A new species of the seepage midge genus *Trichothaumalea* Edwards from Japan (Diptera: Culicomorpha: Thaumaleidae). *Insect Systematics & Evolution* **33**: 175-184.

Family: Tipulidae (*s. lat.*)

The label data for all type material of Tipulidae (*s. lat.*)¹ can be obtained from the following internet link: <http://onlinedb.biodat.de/v1/default.asp>

absentiva Mannheims, 1951: 64 (*Prionocera*) - 3 ♂ PT

Remarks: Syn. of *dimidiata* Loew.

aciculata loxia Starý, 1983: 15 (*Ormosia s.s.*) - 2 ♂ PT

acudens Theischinger, 1977: 8 (*Tipula (Lunatipula)*) - ♂ HT; 1 ♀ PT

Remarks: Holotype dissected.

acuminata Mendl, 1972: 150 (*Dicranota (Plectromyia)*) - ♂ HT (in alc.); 1 ♂, 1 ♀ PT (in alc.)

adrastea Starý & Mendl, 1984: 123 (*Ellipteroides (Protogonomyia)*) - 1 ♂ PT

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

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

Remarks: All specimens damaged.

alexanderi Mendl & Tjeder, 1974: 247 (*Baeoura*) - 9 ♂, 8 ♀ PT (in alc.)

alexanderianus Nielsen, 1963: 7 (*Molophilus (Molophilus)*) - 1 ♂ PT

algira Vaillant, 1953: 3 (*Dolichopeza*) - 1 ♂, 1 ♀ PT

Remarks: Syn. of *D. fuscipes* Bergroth.

alhena Alexander, 1953: 748 (*Tipula*) - 1 ♂ PT

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

alpina Bangarter, 1948: 187 (*Dicranomyia*) - 4 ♂, 1 ♀ PT (in alc.)

Remarks: Label data does not match literature.

amicorum Mannheims & Theowald, 1959: 47 (*Tipula (Lunatipula)*) - 1 ♀ PT

- Remarks:** Syn. of *laetabilis* Zetterstedt.
- ampullifera** Mannheims, 1965: 195 (*Tipula (Lunatipula)*) - ♂ HT; 1 ♂, 2 ♀ PT
- amseli** Mannheims, 1961: 310 (*Tipula (Yamatotipula)*) - 1 ♂, 1 ♀ PT
- Remarks:** Syn. of *T. subprotrusa* Savchenko.
- anatoliensis** Theowald, 1978: 424 (*Tipula (Mediotipula)*) - ♂ HT; 1 ♀ PT
- anderi** Tjeder, 1948: 96 (*Prionocera*) - 1 ♂ PT
- Remarks:** Syn. of *P. pubescens* Loew.
- angelica** Theowald, 1957: 253 (*Tipula*) - 1 ♀, pupa exuviae. PT
- Remarks:** Species based on pupal exuviae.
- anthe** Mannheims, 1968: 308 (*Tipula (Lunatipula)*) - ♂ HT
- antica anticoides** Alexander, 1940: 379 (*Tanyptera*) - ♀ HT
- antilope** Theischinger, 1977: 17 (*Tipula (Lunatipula)*) - 1 ♂, 1 ♀ PT (in alc.)
- aphrodite** Mannheims, 1963: 169 (*Tipula (Lunatipula)*) - ♂ HT; 8 ♀ PT
- appendiculata pertenua** Oosterbroek, 1978: 52 (*Nephrotoma*) - 3 ♂, 2 ♀ PT
- aquilina** Starý, 1984: 236 (*Limonia*) - 3 ♂, 1 ♀ PT
- aragoniensis** Theowald, 1978: 416 (*Tipula (Mediotipula)*) - 1 ♂, 1 ♀ PT
- ariadne** Mannheims, 1954: 169 (*Tipula (Lunatipula)*) - ♂ HT; 1 ♀ PT
- armata** Mendl, 1985: 196 (*Baeoura*) - ♂ HT (in alc.); 1 ♀ PT (in alc.)
- Remarks:** HT dissected, pinned separately (No. 304).
- armatissimus** Bangarter, 1947: 360 (*Molophilus*) - 1 ♂ PT (in alc.)
- Remarks:** Syn. of *appendiculata* (Staeger).
- arnoudi** Theowald, 1971: 234 (*Limnophila (Limnophila)*) - 3 ♂ PT
- Remarks:** One PT label data does not match locality date description.
- asbolodes** Speiser, 1909: 57 (*Tipula*) - 1 ♂ ST
- Remarks:** Male genitalia only.
- astigma** Pierre, 1925: 9 (*Nephrotoma*) - 3 ♂ PNT
- Remarks:** NT des. Oosterbroek 1978 (PNT have no status).
- atlas** Pierre, 1924: 91 (*Tipula*) - 1 ♂ ST
- aureola** Mannheims, 1952: 89 (*Tipula (Tipula)*) - 3 ♂ PT
- Remarks:** Assigned under subgenus *Acutipula* Alexander.
- auriculata** Mannheims, 1963: 158 (*Tipula (Lunatipula)*) - 1 ♂ PT
- austriaca** Mannheims & Theowald, 1959: 24 (*Pales*) - ♂ LT
- Remarks:** LT des. MANNHEIMS in MANNHEIMS & PECHLANDER 1963, p. 14.
- bakundu** Jong, 1984: 33 (*Tipula (Acutipula)*) - ♂ HT
- baldensis** Mendl, 1974: 13 (*Ormosia (Ormosia)*) - ♂ HT (in alc.); 2 ♂, 2 ♀ PT (in alc.)
- Remarks:** Two females labelled as paratypes, collected 21.8.73 from Stausee are not listed in types series (other ♂ PT not found).
- balearica** Mannheims, 1968: 305 (*Tipula (Lunatipula)*) - 1 ♂, 1 ♀ PT
- bamileke** Jong, 1984: 35 (*Tipula (Acutipula)*) - ♂ HT
- bangarteri** Mendl, 1974: 205 (*Limonia (Dicranomyia)*) - ♂ HT (in alc.); 1 ♀ PT (in alc.)
- benesignata** Mannheims, 1954: 35 (*Tipula (Oreomyza)*) - 3 ♂, 4 ♀ PLT
- Remarks:** LT des. MANNHEIMS & PECHANGER 1963, p. 29.
- berytia** Mannheims, 1963: 158 (*Tipula (Lunatipula)*) - 1 ♂ PT (in alc.)
- bezzii** Mannheims & Theowald, 1959: 43 (*Tipula (Lunatipula)*) - 15 ♂, 8 ♀ PT
- bifastigatus** Mendl, 1987: 371 (*Ellipteroides (Ellipteroides)*) - ♂ HT (in alc.)
- Remarks:** HT dissected, pinned separately (No. 638).
- bimaculata** Riedel, 1913: 105 (*Tipula*) - 2 ♂, 1 ♀ ST

- bioculata* Alexander, 1960: 209 (*Tipula (Acutipula)*) - 1 ♂ PT
- bivittata* Pierre, 1921: 23 (*Tipula*) - 1 ♂ ST
- brevicornis* Lundström, 1912: 46 (*Tipula*) - 1 ♂ ST
- brevispina* Pierre, 1920: 163 (*Tipula*) - 1 ♂ ST
- brolemanni* Pierre, 1921: 262 (*Tipula*) - 1 ♂ PLT
Remarks: LT des. THEOWALD (1978: 413).
- bubiana* Jong, 1984: 37 (*Tipula (Acutipula)*) - ♂ HT
- buchholzi* Mannheims & Theowald, 1959: 45 (*Tipula (Lunatipula)*) - ♂ HT; 2 ♂ PT
- bulbosa* Mannheims, 1954: 162 (*Tipula (Lunatipula)*) - ♂ HT; 7 ♂, 4 ♀ PT
- caerulea* Starý, 1987: 261 (*Cheilotrichia (Empeda)*) - 1 ♂ PT (in alc.)
- caerulea* Mannheims & Nielsen, 1953: 586 (*Tipula (Oreomyza)*) - ♀ HT
Remarks: Syn. of *T. laetibasis* Zetterstedt.
- callisto* Alexander, 1944: 297 (*Tipula*) - 1 ♀ PT
Remarks: Specimen partly destroyed.
- capnionuera* Speiser, 1909: 59 (*Tipula*) - 1 ♂ PT
Remarks: Male genitalia only.
- capreola* Mannheims, 1966: 498 (*Tipula (Lunatipula)*) - 3 ♂ PT
- carbo sikkimensis* Alexander, 1964: 65 (*Elephantomyia (Elephantomyia)*) - 1 ♂ PT
- carib* Alexander, 1970: 5 (*Tipula (Microtipula)*) - 1 ♂ PT
Remarks: PT destroyed; collected 1964, not 1965.
- cassiope* Mannheims, 1966: 241 (*Tipula (Lunatipula)*) - ♂ HT; 1 ♂ PT
- castellanii* Mannheims & Theowald, 1959: 52 (*Tipula (Oreomyza)*) - 1 ♂ PT
- cataloniensis* Theowald, 1978: 417 (*Tipula (Lunatipula)*) - ♂ HT; 1 ♂, 1 ♀ PT
- caudispina parnonensis* Theischinger, 1979: 296 (*Tipula (Lunatipula)*) - ♂ HT
- cedrophila* Mannheims, 1963: 150 (*Tipula (Lunatipula)*) - 2 ♀ PT
- cerva* Mannheims & Theowald, 1959: 34 (*Tipula (Lunatipula)*) - 3 ♂, 3 ♀ PT
- cervula* Mannheims & Theowald, 1959: 34 (*Tipula (Lunatipula)*) - ♂ HT; 2 ♂, 3 ♀ PT
- chandra* Alexander, 1964: 294 (*Limonia (Dicranomyia)*) - 1 ♂ PT
- chrysophaea* Alexander, 1941: 27 (*Tanyptera*) - ♀ HT
- cinerella* Pierre, 1919: 614 (*Tipula*) - 1 ♂ ST
- circe* Mannheims, 1954: 168 (*Tipula (Lunatipula)*) - 1 ♂ PT
- cirratula* Oosterbroek, 1997: 191 (*Tipula (Lunatipula)*) - 9 ♂, 3 ♀ PT
- claessoni* Mendl, 1986: 235 (*Molophilus*) - ♂ HT (in alc.); 1 ♂, 2 ♀ PT (in alc.)
Remarks: HT dissected, pinned separately (No. 636).
- clavistylus* Mendl, 1979: 178 (*Molophilus*) - ♂ HT (in alc.)
Remarks: HT dissected, pinned separately (No. 239).
- clio* Mannheims, 1954: 165 (*Tipula (Lunatipula)*) - ♂ HT; 3 ♂, 4 ♀ PT
- clotho* Alexander, 1964: 285 (*Limonia (Dicranomyia)*) - 1 ♂, 2 ? PT
- complicata* Meijere, 1918: 129 (*Dicranomyia*) - 1 ♂, 1 ♀ ST
Remarks: Assigned as subspecies of *D. melleicauda* Alexander.
- conchifera* Mannheims, 1968: 309 (*Tipula (Lunatipula)*) - ♂ HT; 6 ♂, 11 ♀ PT
Remarks: Syn. of *T. cinereicolor* Pierre.
- consimilis* Mendl, 1987: 11 (*Dicranota (Paradicranota)*) - ♂ HT; 7 ♂ (in alc.) + 1 ♂ (pinned)
PT
Remarks: HT dissected, pinned separately (No. 652).
- cornicula* Pierre, 1921: 149 (*Tipula*) - ♂ NT; 1 ♂, 1 ♀ PNT
Remarks: NT des. THEOWALD (1973: 324) (PNT have no status).

- crassa* Starý, 2004: 671 (*Rhabdomastix (Rhabdomastix)*) – 2 ♂, 12 ♀ PT (in alc.)
- cremeri* Alexander, 1940: 393 (*Tipula (Vestiplex)*) - ♀ HT
- cretica* Mendl, 1979: 170 (*Dicranomyia (Salebria)*) - ♂ HT (in alc.); 4 ♂, 1 ♀ PT (in alc.)
- Remarks:** HT dissected, pinned separately (No. 244).
- cretis* Mannheims, 1965: 194 (*Tipula (Lunatipula)*) - ♂ HT; 2 ♂ PT
- curtipennis* Mannheims, 1961: 4 (*Tipula (Acutipula)*) - 1 ♂ PT
- curvata* Theischinger, 1977: 4 (*Tipula (Lunatipula)*) - ♂ HT
- cypris* Mannheims, 1963: 156 (*Tipula (Lunatipula)*) - ♂ HT; 3 ♀ PT
- decolor* Mannheims, 1963: 159 (*Tipula (Lunatipula)*) - 2 ♂ PT
- didymotes* Theischinger, 1977: 17 (*Tipula (Lunatipula)*) - ♂ HT; 1 ♀ PT
- divergens* Bangerter, 1947: 371 (*Gonomyia (Lipophleps)*) - 1 ♂ PT (in alc.)
- diversipes* Alexander, 1941: 237 (*Brachypremma*) - 1 ♀ PT
- dolomitensis* Theowald, 1980: 482 (*Tipula (Pterelachisus)*) - ♂ HT; 1 ♀ PT
- dolores* Mannheims, 1967: 265 (*Tipula (Lunatipula)*) - ♂ HT; 1 ♂ PT
- dracula* Theischinger, 1977: 241 (*Tipula (Lunatipula)*) - ♂ PT (in alc.)
- draupadi* Alexander, 1964: 293 (*Limonia (Dicranomyia)*) - 1 ♂ PT
- ebneri* Mannheims, 1953: 132 (*Tipula (Vestiplex)*) - 1 ♀ PT
- Remarks:** Syn. of *T. sexspinosa* Strobl.
- eburata* Mannheims, 1958: 1 (*Pales*) - 1 ♀ PT
- engeli* Theowald, 1957: 253 (*Tipula*) - ♂ pupa exuviae HT
- Remarks:** Species based on pupal exuviae.
- epicharis* Alexander, 1966: 70 (*Erioptera (Ilisia)*) - 1 ♀ LT
- erato* Mannheims, 1954: 179 (*Tipula (Lunatipula)*) - ♂ HT; 4 ♂, 4 ♀ PT
- Remarks:** Another 7 ♂, 2 ♀ paratypes not present.
- eugeni* Starý, 2004: 674 (*Rhabdomastix (Rhabdomastix)*) – 14 ♂, 8 ♀ PT (in alc.), 2 ♀ PT (pinned)
- eumecacera* Speiser, 1909: 58 (*Tipula*) - 1 ♂ PT
- Remarks:** Male genitalia only.
- euterpe* Theischinger, 1979: 124 (*Tipula (Lunatipula)*) - ♂ HT; 1 ♀ PT
- exastigma* Oosterbroek, 1978: 84 (*Nephrotoma*) - 10 ♂, 4 ♀ PT
- excisa* Schummel, 1833: 42 (*Tipula*) - 1 ♂ PNT
- Remarks:** NT des. THEOWALD & MANNHEIMS (1962: 379) (PNT has no status).
- exeostyla* Alexander, 1964: 120 (*Tipula (Vestiplex)*) - 1 ♂ PT
- fabiola* Mannheims, 1968: 298 (*Tipula (Lunatipula)*) - ♂ HT; 1 ♂ PT
- fendleri* Mannheims, 1963: 69 (*Tipula (Yamatotipula)*) - ♂ HT; 1 ♂, 1 ♀ PT
- filata* Starý, 2004: 675 (*Rhabdomastix (Rhabdomastix)*) – 6 ♀ PT (in alc.)
- fini* Oosterbroek, 1997: 184 (*Tipula (Lunatipula)*) - 1 ♀ PT
- flagellicurta* Mannheims, 1958: 5 (*Tipula (Tipula)*) - 1 ♂ PT
- Remarks:** Partially dissected, slide mounted and pinned separately.
- flammatra* Starý, 1981: 191 (*Dicranota (Paradicranota)*) - 2 ♂ PT
- fokiensis* Alexander, 1940: 412 (*Limnophila*) - ♂ HT
- Remarks:** Assigned to *Prionolabis* Osten Sacken.
- fontana* Oosterbroek, 1978: 97 (*Nephrotoma*) - ♂ HT
- Remarks:** HT dissected (pinned beneath).
- forcipata* Mannheims & Theowald, 1959: 36 (*Tipula (Lunatipula)*) - ♂ HT; 4 ♂, 17 ♀ PT
- Remarks:** This species is a homonym; new name is *forcipula* Mannheims.
- franzi* Mannheims, 1950: 74 (*Tipula (Vestiplex)*) - 3 ♂, 3 ♀ PT

- fulviventris* Alexander, 1970: 36 (*Teucholabis*) - 2 ♀ PT
Remarks: One PT destroyed.
- fuscicosta* Mannheims, 1954: 177 (*Tipula (Lunatipula)*) - 2 ♂, 3 ♀ PT
Remarks: Additional 1 ♂ PT labelled, but date (VIII) and locality (Pashtrik) not in original type list.
- galiciensis* Theowald, 1978: 415 (*Tipula (Mediotipula)*) - ♂ HT
Remarks: HT dissected, pinned beneath.
- geja* Savchenko, 1968: 929 (*Tipula (Lunatipula)*) - 1 ♂ PT
- glacialis* Pokorny, 1887: 50 (*Oreomyza*) - 1 ♂ ST
- gohli* Mendl, 1976: 33 (*Phyllolabis (Phyllolabis)*) - ♂ HT (in alc.); 5 ♀ PT (in alc.)
Remarks: HT, 2 PT dissected in microvial with tube.
- goliath* Alexander, 1940: 384 (*Ctenacroscelis*) - ♂ HT
Remarks: Assigned to *Holorusia*, dissected and mounted beneath.
- graeca* Mannheims, 1954: 158 (*Dolichocheza (Dolichocheza)*) - ♂ HT; 6 ♂, 3 ♀ PT
- graeca dufouri* Oosterbroek & Vuković, 1989: 97 (*Tipula (Lunatipula)*) - 21 ♂, 5 ♀ PT
- graeca graeca* Oosterbroek & Vuković, 1989: 96 (*Tipula (Lunatipula)*) - 4 ♂, 8 ♀ PT
Remarks: 1 PT dissected, pinned beneath.
- graecolivida* Mannheims, 1954: 176 (*Tipula (Lunatipula)*) - ♂ HT; 4 ♂, 2 ♀ PT
- gredosi* Theowald, 1980: 491 (*Tipula (Pterelachisus)*) - 50 ♂, 10 ♀ PT
Remarks: THEOWALD (1980: 492) states that there are 27 ♂ and 21 ♀ 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 mistakenly counted one of these rows as females. Very few of these paratypes were labelled as such.
- griesheimae* Mannheims & Theowald, 1959: 41 (*Tipula (Lunatipula)*) - ♂ HT
- guentheri* Oosterbroek, 1994: 430 (*Tipula (Yamatotipula)*) - 5 ♂, 3 ♀ PT
- handschini* Mannheims, 1967: 284 (*Tipula (Lunatipula)*) - 2 ♂ PT
Remarks: One PT dissected, pinned beneath.
- handschiniana* Mannheims, 1950: 73 (*Tipula (Vestiplex)*) - 3 ♂, 2 ♀ PT
Remarks: Syn. of *T. cisalpina* Riedel.
- harmonia* Mannheims, 1966: 241 (*Tipula (Lunatipula)*) - ♂ HT; 1 ♂ PT
- hartigi* Mannheims, 1950: 76 (*Tipula (Vestiplex)*) - 6 ♂, 2 ♀ PT
Remarks: Assigned as subspecies of *scripta* Meigen.
- hartigi* Mannheims, 1951: 49 (*Pales*) - ♂ HT; 3 ♂, 1 ♀ PT
Remarks: Syn. of *N. crocata* Linnaeus; HT dissected, pinned beneath.
- hartwigi* Alexander, 1974: 407 (*Limnophila (Afrolimnophila)*) - ♂ HT
Remarks: Genitalia mounted on slide and housed in USNM.
- helvetica* Mannheims & Theowald, 1951: 24 (*Pales*) - ♂ LT; 4 ♂ PLT
Remarks: LT des. MANNHEIMS 1963; 3 PLT dissected, pinned beneath.
- hemiptera* Mannheims, 1953: 130 (*Tipula (Vestiplex)*) - ♀ HT
- hemmingseni* Nielsen, 1959: 65 (*Phyllolabis*) - 2 ♂, 1 ♀ PT
- hemoptera* Bezzi, 1924: 231 (*Tipula (Vestiplex)*) - 1 ♂, 1 ♀ ST
- hera* Theischinger, 1979: 300 (*Tipula (Lunatipula)*) - ♂ HT; 1 ♂, 1 ♀ PT
Remarks: HT, 1 PT dissected, pinned beneath.
- herculeanus* Alexander, 1940: 383 (*Ctenacroscelis*) - ♂ HT
- hermes* Theischinger, 1977: 30 (*Tipula (Lunatipula)*) - ♂ HT
- hispanolivida* Mannheims, 1968: 304 (*Tipula (Lunatipula)*) - ♂ HT; 9 ♂, 6 ♀ PT

- huguenini* Bangerter, 1947: 368 (*Gonomyia (Ellipteriodes)*) - 1 ♂, 1 ♀ PT (in alc.)
- iberica* Mannheims, 1963: 144 (*Tipula (Lunatipula)*) - 38 ♂, 17 ♀ PT
- ida* Starý & Mendl, 1984: 125 (*Ellipteroides (Protogonomyia)*) - ♂ HT (in alc.); 38 ♂, 31 ♀ (in alc.)
- Remarks:** Genitalia pinned separately (No. 531); female genitalia (No. 532).
- iliensis* Mannheims, 1965: 192 (*Tipula (Lunatipula)*) - ♂ HT; 1 ♀ PT
- incristata* Mannheims, 1958: 8 (*Pales*) - 3 ♂, 1 ♀ PT
- incurvus* Mendl, 1979: 179 (*Molophilus*) - ♂ HT (in alc.); 4 ♂ PT (in alc.)
- Remarks:** HT dissected, pinned separately (No. 185).
- inermis* Mendl, 1979: 176 (*Ilisia (Ilisia)*) - ♂ HT; 1 ♀ PT (in alc.)
- Remarks:** HT dissected, enclosed in tube.
- insulana* Savchenko, 1971: 14 (*Arctoconopa*) - 1 ♂, 1 ♀ PT
- interjecta* Starý, 1974: 1 (*Limonia (Limonia)*) - 1 ♂ PT
- intermedia* Bangerter, 1947: 354 (*Ilisia*) - 4 ♂ PT (in alc.)
- Remarks:** Syn. of *sororcula* (Lackschewitz).
- intermixta* Riedel, 1913: 40 (*Tipula*) - ♂ PNT
- Remarks:** NT des. THEOWALD (1970) (PNT has no status).
- ismene* Mannheims, 1969: 255 (*Tipula (Acutipula)*) - ♂ HT; 7 ♂, 4 ♀ PT
- Remarks:** One ♂ PT dissected, pinned separately.
- isparta* Vermoolen, 1983: 70 (*Tipula (Acutipula)*) - 1 ♂, 2 ♀ PT
- Remarks:** One ♂ PT dissected, pinned beneath.
- japvoensis* Alexander, 1953: 742 (*Ctenacroscelis*) - 1 ♀ PT
- jeekeli* Mannheims & Theowald, 1959: 49 (*Tipula (Oreomyza)*) - 4 ♂, 3 ♀ PT
- jenaro* Alexander, 1969: 174 (*Dolichopeza (Megistomastix)*) - 1 ♂ PT
- jordansi* Mannheims, 1954: 181 (*Tipula (Lunatipula)*) - ♂ HT; 9 ♂, 4 ♀ PT
- Remarks:** Assigned as subspecies of *pannonia* Loew.
- kallemuelleri* Mendl, 1984: 101 (*Molophilus*) - ♂ HT (in alc.); 3 ♀ PT (in alc.)
- Remarks:** HT dissected, pinned separately (No. 624).
- kashongensis* Alexander, 1966: 220 (*Limnophila (Dicranophragma)*) - 1 ♂, 1 ♀ PT
- kaszabi* Mannheims & Savchenko, 1973: 260 (*Limonia (Dicranomyia)*) - 1 ♂ PT
- kerkis* Theischinger, 1977: 14 (*Tipula (Lunatipula)*) - ♂ HT
- kinensis* Alexander, 1934: 17 (*Limonia (Dicranomyia)*) - 1 ♂, 1 ♀ PT (in alc.)
- Remarks:** Assigned to subgenus *Glochina* Meigen.
- klapperichi* Alexander, 1940: 386 (*Tipula (Nippotipula)*) - ♀ HT
- kleinschmidti* Mannheims, 1950: 241 (*Tipula (Tipula)*) - 3 ♂, 1 ♀ PT
- Remarks:** One ♂ PT partially dissected, mounted beneath.
- klementi* Mendl, 1973: 68 (*Molophilus*) - ♂ HT (in alc.); 6 ♂ PT (in alc.)
- Remarks:** HT + 1 ♂ PT dissected, microvial in tube.
- koreana* Tangeldar, 1984: 57 (*Nephrotoma*) - 1 ♀ PT
- Remarks:** PT dissected, pinned beneath.
- kosswigi* Mannheims, 1953: 135 (*Tipula (Vestiplex)*) - ♂ HT; 2 ♂, 4 ♀ PT
- kostjukovi* Savchenko, 1971: 16 (*Arctoconopa*) - 1 ♂ PT
- kreissli* Theischinger, 1987: 104 (*Tipula (Lunatipula)*) - ♂ HT
- Remarks:** HT dissected, pinned beneath.
- kuatunensis* Alexander, 1940: 397 (*Tipula (Oreomyza)*) - ♂ HT
- Remarks:** Assigned to subgenus *Pterelachisus* Rondani.
- kumerloevei* Mannheims, 1968: 317 (*Tipula (Lunatipula)*) - ♂ HT; 1 ♀ PT

Remarks: HT and PT dissected, pinned beneath.

kybele Mannheims, 1968: 310 (*Tipula (Lunatipula)*) - ♂ HT; 35 ♂, 8 ♀ PT

kybele russula Theischinger, 1977: 35 (*Tipula (Lunatipula)*) - ♂ HT; 2 ♂, 2 ♀ PT

lackschewitzi Bangerter, 1947: 357 (*Ormosia*) - 5 ♂, 1 ♀ PT (in alc.)

lackschewitziana Mendl, 1988: 126 (*Dicranota (Paradicranota)*) - 1 ♂ PT

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

laetoidea Starý, 2004: 666 (*Rhabdomastix (Rhabdomastix)*) - 1 ♂, 1 ♀ PT

lanispina Mannheims, 1966: 499 (*Tipula (Lunatipula)*) - 1 ♂, 2 ♀ PT

lateralis solstitialis Westhoff, 1879: 45 (*Tipula*) - ♂ NT

Remarks: NT des. MANNHEIMS (1952: 100); syn. of *pierrei* Tonnoir.

latistyla Starý, 1977: 68 (*Austrolimnophila (Austrolimnophila)*) - 1 ♂, 1 ♀ PT (in alc.)

leda Mannheims, 1965: 179 (*Tipula (Lunatipula)*) - ♂ HT; 1 ♂, 4 ♀ PT

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

lempkei Oosterbroek, 1978: 42 (*Nephrotoma*) - 1 ♂, 2 ♀ PT

lesnei Pierre, 1921: 300 (*Tipula*) - 1 ♂ ST

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

leto Mannheims, 1966: 241 (*Tipula (Lunatipula)*) - ♂ HT; 3 ♂, 1 ♀ PT

lindbergi Nielsen, 1962: 166 (*Limonia (Limonia)*) - 1 ♂ PT

lindneri Mannheims, 1961: 4 (*Goniotipula*) - 1 ♂ PT

lindneri Mannheims, 1951: 53 (*Pales*) - ♂ HT; 10 ♂, 11 ♀ PT

Remarks: Assigned as subspecies of *croceiventris* Strobl.

lindneri Mannheims, 1959: 151 (*Phyllolabis*) - ♂ HT; 2 ♀ PT

lindneri Nielsen, 1963: 2 (*Taphrophila*) - 3 ♂, 3 ♀ PT

Remarks: One PT dissected, pinned beneath.

lipernes Alexander, 1971: 243 (*Shannonomyia*) - 1 ♂ PT

lithophila Savchenko, 1968: 921 (*Tipula (Lunatipula)*) - 1 ♂, 1 ♀ PT

livida aspasia Mannheims, 1968: 296 (*Tipula (Lunatipula)*) - ♂ HT; 4 ♀ PT

livida sardolivida Mannheims & Theowald, 1968: 296 (*Tipula (Lunatipula)*) - ♂ HT; 65 ♂, 4 ♀ 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 labelled or not labelled as such; 1 PT dissected.

longisternata Alexander, 1967: 557 (*Nephrotoma*) - 1 ♂ PT

luctuosa Mannheims, 1963: 33 (*Tipula (Acutipula)*) - ♂ HT

Remarks: HT partially dissected, mounted below.

luctuosipes Alexander, 1953: 172 (*Erioptera (Hoploeriptera)*) - 1 ♂, 1 ♀ PT

luna Westhoff, 1879: 47 (*Tipula*) - ♂ NT; 1 ♂, 2 ♀ PNT

Remarks: NT des. MANNHEIMS (1959: 158); (PNT have no status).

lundbladi Mannheims, 1962: 134 (*Tipula (Savtshenkia)*) - ♂ HT

luteicostalis longisector Alexander, 1940: 381 (*Dictenidia*) - ♀ HT

luteinotalis Alexander, 1940: 388 (*Tipula (Acutipula)*) - ♂ HT; 2 ♀ PT

luteobasalis alata Theowald, 1980: 484 (*Tipula (Pterelachisus)*) - ♂ HT; 1 ♂ PT

macciana Edwards, 1928: 187 (*Tipula*) - 1 ♂ ST

macropeliostigma Mannheims, 1954: 163 (*Tipula (Lunatipula)*) - 1 ♂ PT

Remarks: PT missing from collection.

macropteryx Tjeder, 1955: 225 (*Limnophila* (*Idioptera*)) - 1 ♂, 1 ♀ PT

malickyi Mendl, 1975: 22 (*Ormosia* (*Rhypholophus*)) - ♂ HT (in alc.); 1 ♂, 3 ♀ PT (in alc.)

malickyi Mendl & Tjeder, 1976: 237 (*Baeoura*) - 7 ♂, 27 ♀ PT (in alc.)

malickyiana Mendl, 1985: 155 (*Tasiocera* (*Dasymolophilus*)) - ♂ HT (in alc.)

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

manipurensis Alexander, 1967: 571 (*Dolichozepeza* (*Nesopeza*)) - 1 ♂ PT

manipurensis Alexander, 1964: 151 (*Malaisemyia*) - 1 ♂ PT

mannheimsi Mendl, 1974: 214 (*Erioptera* (*Ilisia*)) - ♂ HT (in alc.); 1 ♂ (in alc.); 2 ♂, 1 ♀ (pinned) PT

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

mannheimsi Alexander, 1960: 15 (*Austrolimnophila* (*Austrolimnophila*)) - ♂ HT (in alc.)

mannheimsi Savchenko, 1966: 260 (*Nephrotoma*) - ♂ HT; 2 ♂, 1 ♀ PT

Remarks: Syn. of *pullata* Alexander.

mannheimsiana Alexander, 1953: 746 (*Tipula* (*Acutipula*)) - 1 ♂, 1 ♀ PT

mannheimsiana Nielsen, 1961: 112 (*Phyllolabis*) - 2 ♂ PT

margaritae Alexander, 1948: 371 (*Phacelodocera*) - 1 ♂ PT

Remarks: Genus now subgenus of *Ptilogyna* Enderlein.

mariposa Alexander, 1946: 187 (*Tipula* (*Lunatipula*)) - 1 ♂ PT

Remarks: Specimen completely destroyed.

martinovskiyi Starý, 1974: 5 (*Dicranota* (*Paradicranota*)) - 1 ♂ PT

mecogastra Alexander, 1964: 305 (*Limonia* (*Dicranomyia*)) - 1 ♀ PT

melpomene Mannheims, 1954: 166 (*Tipula* (*Lunatipula*)) - ♂ HT; 3 ♂, 2 ♀ PT

mendli Starý, 1987: 267 (*Cheilotrichia* (*Empeda*)) - 7 ♂, 11 ♀ PT (in alc.)

mendli Martinovsky, 1976: 52 (*Tipula* (*Lunatipula*)) - 1 ♂ PT (in alc.)

mendli Savchenko, 1983: 58 (*Prionolabis*) - 4 ♂ PT (in alc.)

meridiana Mendl, 1974: 210 (*Cheilotrichia*) - ♂ HT (in alc.); 27 ♂, 2 ♀ PT (in alc.)

meridiana Mendl, 1988: 95 (*Dicranota* (*Rhaphidolabina*)) - ♂ HT (in alc.); 5 ♂, 1 ♀ PT (in alc.)

Remarks: HT dissected, pinned separately (No. 337).

micropeliostigma Mannheims, 1965: 207 (*Tipula* (*Lunatipula*)) - ♂ HT

Remarks: Genitalia in microvial on separate pin.

minima Mendl, 1974: 221 (*Tasiocera* (*Dasymolophilus*)) - ♂ HT (in alc.); 59 ♂ PT (in alc.)

minor distinguenda Starý, 1983: 10 (*Erioptera* (*Erioptera*)) - 1 ♂ PT

minuscule Mannheims, 1951: 40 (*Pales*) - 2 ♂, 1 ♀ PT

mixta Starý 1983: 2 (*Ula* (*Ula*)) - 1 ♂ PT

miyamotoi claripennis Mannheims, 1967: 202 (*Ctenophora*) - ♂ HT

Remarks: Syn. of *C. nigriceps* Tjeder.

monstrosus Mendl, 1974: 218 (*Molophilus*) - ♂ HT (in alc.); 5 ♂ PT (in alc.)

Remarks: HT dissected, pinned separately (No. 718).

montifer Theischinger, 1977: 5 (*Tipula* (*Lunatipula*)) - ♂ HT

Remarks: Dissected (pinned beneath).

nasuta Oosterbroek, 1975: 121 (*Nephrotoma*) - ♂ HT; 1 ♂, 2 ♀ PT

nausicaa Mannheims, 1966: 220 (*Tipula* (*Lunatipula*)) - ♂ HT, 23 ♂, 8 ♀ PT

neorina Alexander, 1953: 739 (*Longurio* (*Longurio*)) - 1 ♂ PT

Remarks: Assigned to *Leptotarsus* Guérin-Méneville.

nielsenii Mannheims & Theowald, 1959: 29 (*Tipula* (*Oreomyza*)) - 3 ♂, 1 ♀ PLT

- Remarks:** LT des. MANNHEIMS & PECHLANER (1963: 26).
nielsenii Mannheims, 1959: 153 (*Phyllolabis*) - ♂ HT; 4 ♂, 1 ♀ PT
niethammeri Mannheims, 1969: 253 (*Tipula (Acutipula)*) - ♂ HT; 4 ♂, 6 ♀ PT
nigdeensis Bischof, 1905: 172 (*Tipula*) - 1 ♂, 1 ♀ PLT
Remarks: LT des. MANNHEIMS (1968: 320).
nigritana Mannheims, 1961: 11 (*Pales*) - 1 ♀ PT
Remarks: Assigned to *Nephrotoma* Meigen.
nigrofemoratus Alexander, 1967: 541 (*Ctenacroscelis*) - 1 ♂ PT
nimbipennis Alexander, 1941: 407 (*Triogma*) - ♂ HT; 1 ♂, 3 ♀ PT
oleracea Linneaus, 1758: 585 (*Tipula*) - ♂ NT; 3 ♂ PNT
Remarks: NT des. 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 ♂ PT (in alc.)
padana Dufour, 1981: 125 (*Tipula (Pterelachisus)*) - 20 ♂, 3 ♀ PT
palitans Alexander, 1965: 350 (*Tipula (Eumicrotipula)*) - 1 ♂ 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)*) - ♂ HT; 45 ♂, 37 ♀ PT
Remarks: Assigned as subspecies of *macrosele* Strobl.
pandora Mannheims, 1968: 306 (*Tipula (Lunatipula)*) - ♂ HT; 3 ♂, 2 ♀ PT
parallela Theischinger, 1977: 30 (*Tipula (Lunatipula)*) - 13 ♂ PT
parapeliostigma Mannheims & Theowald, 1959: 34 (*Tipula (Lunatipula)*) - ♂ HT; 2 ♀ PT
Remarks: HT coll. 1935 not 1938.
parasimurg Savchenko, 1968: 927 (*Tipula (Lunatipula)*) - 2 ♂, 1 ♀ PT
parvauricola Alexander, 1940: 400 (*Tipula*) - ♂ HT; 1 ♂, 4 ♀ PT
Remarks: Assigned to subgenus *Sivatipula* Alexander.
pauli Geiger 1983: 639 (*Dicranomyia (Salebriella)*) - 1 ♂ PT (in alc.)
pechlaneri Mannheims & Theowald, 1959: 29 (*Tipula (Oreomyza)*) - ♂ LT; 20 ♂, 16 ♀ PLT
Remarks: LT des. MANNHEIMS (1963) in MANNHEIMS & PECHLANER (1963: 25).
pechlaneri Mendl, 1976: 279 (*Dactylolabis (Dactylolabis)*) - 2 ♂, 1 ♀ PT
pelidne Mannheims, 1965: 198 (*Tipula (Lunatipula)*) - ♂ HT; 23 ♂, 23 ♀ PT
peliostigma dorica Mannheims, 1965: 205 (*Tipula (Lunatipula)*) - ♂ HT
Remarks: Elevated to species.
peliostigma pelopea Mannheims, 1965: 204 (*Tipula (Lunatipula)*) - ♂ HT; 8 ♂, 8 ♀ PT
peliostigma phoenissa Mannheims, 1965: 205 (*Tipula (Lunatipula)*) - ♂ HT
Remarks: Genitalia in microvial on separate pin.
pelma Mannheims, 1965: 212 (*Tipula (Lunatipula)*) - ♂ HT
Remarks: HT dissected, pinned separately.
penelope eurykleia Theischinger, 1979: 289 (*Tipula (Lunatipula)*) - ♂ HT; 3 ♂, 14 ♀ PT
penelope Mannheims, 1954: 171 (*Tipula (Lunatipula)*) - ♂ HT; 5 ♂, 3 ♀ PT
phaidra Mannheims, 1965: 184 (*Tipula (Lunatipula)*) - ♂ HT; 7 ♂, 2 ♀ PT
pila Alexander, 1966: 16 (*Erioptera (Erioptera)*) - 1 ♂, 1 ? PT
Remarks: Both PT on same pin, lower specimen missing abdomen.
pilosa Mendl & Geiger, 1992: 150 (*Hoverioptera (Tesserioptera)*) - 2 ♂ PT (in alc.)
pirinensis Starý, 1971: 95 (*Ormosia (Ormosia)*) - 1 ♂ PT
plitviciensis Simova, 1962: 102 (*Tipula (Oreomyza)*) - ♂ LT; 1 ♀ PLT

- Remarks:** LT des. THEOWALD (1978: 489).
plumbea Fabricius, 1782: 403 (*Tipula*) - 1 ♂, 1 ♀ PNT
Remarks: NT des. HOLLANDER (1975); (PNT have no status).
pokorny Mannheims, 1968: 299 (*Tipula (Lunatipula)*) - 1 ♀ PT
polydeukes Theischinger, 1977: 22 (*Tipula (Lunatipula)*) - ♂ HT
pontica Savchenko, 1964: 52 (*Tipula (Geotipula)*) - 1 ♂ PNT
Remarks: NT des. SAVCHENKO (1966); (PNT has no status).
prolixistyla Alexander, 1971: 169 (*Antocha (Antocha)*) - 2 PT
Remarks: All specimens damaged.
proximus Mendl, 1979: 182 (*Molophilus*) - ♂ HT (in alc.); 17 ♂, 38 ♀ PT (in alc.)
Remarks: HT mislabelled, likely male from 6.6.75 (No. 242) and not No. 241?
pseudocrassiventris Theowald, 1980: 503 (*Tipula (Pterelachisus)*) - 4 ♂, 2 ♀ PT
pseudopeliostigma Mannheims, 1965: 208 (*Tipula (Lunatipula)*) - ♂ HT; 1 ♂ PT
pseudopropinquus Mendl, 1973: 71 (*Molophilus*) - ♂ HT (in alc.); 1 ♂ PT (in alc.)
pseudowolffi Theischinger, 1979: 143 (*Tipula (Lunatipula)*) - ♂ HT; 5 ♂, 3 ♀ PT
quadridens loehmeri Mendl, 1987: 17 (*Ellipteriodes (Protogonomyia)*) - 1 ♂, 1 ♀ PT (in alc.)
quadrilobata Savchenko, 1983: 101 (*Gonomyia (Teuchogonomyia)*) - 5 ♂ PT (in alc.)
rauschorum Theischinger, 1977: 25 (*Tipula (Lunatipula)*) - 1 ♂, 1 ♀ PT
reducta Bangerter, 1947: 373 (*Gonomyia (Lipophleps)*) - 1 ♂ PT (in alc.)
Remarks: Specimen labelled as “Topotype”, as stated by Bangerter (1947).
reductana Alexander, 1940: 413 (*Limnophila (Adelphomyia)*) - ♀ HT
reservata Alexander, 1940: 401 (*Tipula*) - ♀ HT
retroflexa Bangerter, 1948: 186 (*Dicranomyia*) - 2 ♂, 1 ♀ PT (in alc.)
Remarks: Syn. of *tristis* (Schummel).
rifensis Theowald & Oosterbroek, 1980: 183 (*Tipula (Acutipula)*) - ♂ HT
robusta Starý, 2003: 602 (*Rhabdomastix (Lurdia)*) - 1 ♂, 1 ♀ PT
robustus Bangerter, 1947: 366 (*Dasymolophilus*) - 1 ♂ PT (in alc.)
Remarks: Label data does not match literature.
rostrata Mendl, 1987: 14 (*Dicranota (Paradicranota)*) - ♂ HT (in alc.)
Remarks: HT dissected, pinned separately (No. 657).
rufula Mannheims & Theowald, 1959: 41 (*Tipula (Lunatipula)*) - 1 ♂, 3 ♀ PT
rugulosa Mannheims & Theowald, 1959: 40 (*Tipula (Lunatipula)*) - 2 ♂, 2 ♀ PT
rumpfi Mannheims & Theowald, 1959: 50 (*Tipula (Oreomyza)*) - 3 ♂ PT
saccai Mannheims, 1950: 71 (*Tipula (Vestiplex)*) - 1 ♂, 1 ♀ PT
sacerdotula Riedel, 1918: 114 (*Tipula*) - 2 ♂ ST
saltatrix Savchenko, 1964: 1394 (*Tipula (Lunatipula)*) - 1 ♂, 1 ♀ PT
sardiniensis Oosterbroek, 1978: 111 (*Nephrotoma*) - ♂ HT; 7 ♂, 16 ♀ PT
Remarks: Assigned as subspecies of *cornicina* Linnaeus.
sardosignata Mannheims & Theowald, 1959: 48 (*Tipula (Oreomyza)*) - 1 ♂, 1 ♀ PT
savtshenkoi Starý, 1972: 3 (*Molophilus (Molophilus)*) - 1 ♂ PT
savtshenkoi Mendl, 1976: 36 (*Dicranoptycha (Ulugbekia)*) - ♂ HT (in alc.); 1 ♂, 2 ♀ PT (in alc.)
schacht Mendl, 1986: 293 (*Baeoura*) - 4 ♂, 4 ♀ PT (in alc.)
schaeuffelei Mannheims, 1964: 2 (*Pales*) - 1 ♂ PT
Remarks: Assigned to *Nephrotoma*.
schmidt Mannheims, 1952: 88 (*Tipula (Tipula)*) - ♂ HT; 1 ♂, 2 ♀ PT
sciurus Theischinger, 1977: 7 (*Tipula (Lunatipula)*) - ♂ HT

- scurra* Alexander, 1940: 376 (*Pseliophora*) - ♂ HT; 1 ♀ PT
- seguyi* Mannheims, 1954: 174 (*Tipula (Lunatipula)*) - 2 ♂ PT
- selenaria* Mannheims, 1967: 281 (*Tipula (Lunatipula)*) - 4 ♂ PT
- semipeliostigma* Mannheims, 1965: 208 (*Tipula (Lunatipula)*) - ♂ HT
- serena* Alexander, 1969 360: 2 (*Atarba (Atarba)*) - 2 ♂ PT
- Remarks:** PT are damaged.
- sexdentata* Nielsen, 1963: 6 (*Gonomyia (Idiocera)*) - ♂ HT; 1 ♂ PT
- sikkimensis* Alexander, 1969: 129 (*Atarba (Atarbodes)*) - 2 ♂, 1 ? PT
- Remarks:** PT are partially damaged.
- simulans* Savchenko, 1966: 199 (*Tipula (Savtshenkia)*) - 2 ♂ PT
- sjoestedti* Alexander, 1934: 18 (*Limonia (Dicranomyia)*) - 1 ♂ PT (in alc.)
- Remarks:** Syn. of *D. incisurata* Lackschewitz.
- smithersiana* Alexander, 1959: 51 (*Nephrotoma*) - 1 ♀ PT
- soosi* Mannheims, 1954: 160 (*Tipula (Lunatipula)*) - 6 ♂, 2 ♀ PT
- spatha* Oosterbroek, 1975: 119 (*Nephrotoma*) - ♂ HT; 1 ♂ PT
- Remarks:** PT dissected.
- spathifera* Mannheims, 1953: 5 (*Tipula (Oreomyza)*) - 2 ♂, 1 ♀ PT (in alc.)
- spinula* Mendl, 1973: 114 (*Erioptera (Ilisia)*) - 4 ♂, 2 ♀ PT (in alc.)
- Remarks:** Assigned to *Hoplolabis (Parilisia)*.
- spoliatrix* Alexander, 1940: 387 (*Tipula (Formotipula)*) - ♂ HT; 2 ♀ PT
- stalactitica* Alexander, 1940: 379 (*Dictenidia*) - ♂ HT
- Remarks:** HT not female as listed in Oriental Catalogue.
- staryi* Mendl, 1973: 65 (*Cheilotrichia (Empeda)*) - ♂ HT (in alc.)
- stenopectera* Mannheims, 1962: 128 (*Tipula (Savtshenkia)*) - 1 ♂, 1 ♀ PT
- sternalis* Theischinger, 1977: 32 (*Tipula (Lunatipula)*) - ♂ HT; 1 ♂, 1 ♀ PT
- sternolobatooides* Alexander, 1964: 283 (*Limonia (Dicranomyia)*) - 2 ♀ PT
- stimulosa* Mannheims, 1973: 325 (*Tipula (Lunatipula)*) - ♂ HT; 1 ♂, 1 ♂ PT (alc.)
- Remarks:** Species was published in THEOWALD (1973).
- subanalis* Mannheims, 1951: 57 (*Pales*) - 1 ♂ PT
- Remarks:** Assigned to *Nephrotoma*.
- subcava* Mannheims, 1963: 172 (*Tipula (Lunatipula)*) - ♂ HT; 26 ♂, 15 ♀ PT
- subexcisa* Lundström 1907: 14 (*Tipula*) - 1 ♂ ST
- subfalcata* Mannheims, 1967: 272 (*Tipula (Lunatipula)*) - ♂ HT; 3 ♂, 4 ♀ PT
- subfalcata* Alexander, 1940: 410 (*Pedicia (Pedicia)*) - ♀ HT
- subglacialis* Mannheims & Theowald, 1959: 28 (*Tipula (Oreomyza)*) - ♂ LT; 17 ♂, 5 ♀ PLT
- Remarks:** LT des. THEOWALD (1980: 508). Assigned to subgenus *Pterelachisus*.
- subhelvola* Mannheims & Theowald, 1959: 39 (*Tipula (Lunatipula)*) - ♂ HT; 7 ♂, 4 ♀ PT
- subinvenusta* Slípka, 1950: 78 (*Tipula (Oreomyza)*) - ♂ HT; 5 ♂, 5 ♀ PT
- Remarks:** Assigned as subspecies of *invenusta* Riedel.
- sublurida* Starý, 2003: 598 (*Rhabdomastix (Lurdia)*) - 1 ♂, 1 ♀ PT
- submontium* Theowald & Oosterbroek, 1981: 39 (*Tipula (Yamatotipula)*) - 2 ♂ PT
- subonusta* Mannheims & Theowald, 1959: 43 (*Tipula (Lunatipula)*) - ♂ HT; 3 ♂, 3 ♀ PT
- subpustulata* Mannheims, 1963: 174 (*Tipula (Lunatipula)*) - 7 ♂, 4 ♀ PT
- subtrunca* Mannheims, 1966: 237 (*Tipula (Lunatipula)*) - ♂ HT
- subtruncata* Mannheims, 1954: 171 (*Tipula (Lunatipula)*) - 1 ♂, 2 ♀ PLT
- Remarks:** LT & PLT des. 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 ♂, 1 ♀ PT

Remarks: Label data does not match well the literature.

tatrica Starý, 2003: 605 (*Rhabdomastix (Lurdia)*) - 1 ♂, 1 ♀ PT

terpsichore Mannheims, 1954: 180 (*Tipula (Lunatipula)*) - ♂ HT; 17 ♂, 9 ♀ PT

Remarks: Assigned under new name, *thais* Mannheims.

theia Mannheims, 1963: 176 (*Tipula (Lunatipula)*) - ♂ HT; 14 ♂, 9 ♀ PT

theowaldi Starý, 1982: 29 (*Gonomyia (Gonomyia)*) - 1 ♂ PT (in alc.)

theowaldi Mannheims, 1959: 155 (*Phyllolabis*) - ♂ HT; 4 ♂, 3 ♀ PT

tibonella Theischinger, 1977: 14 (*Tipula (Lunatipula)*) - ♂ HT

titania Mannheims, 1966: 244 (*Tipula (Lunatipula)*) - ♀ HT

tjederi Mendl, 1974: 30 (*Pedicia (Crunobia)*) - ♂ HT (in alc.)

tjederi Savchenko, 1967: 17 (*Phyllolabis*) - 1 ♂, 1 ♀ PT

tricuspidatus Mendl, 1979: 183 (*Molophilus*) - ♂ HT; 8 ♂, 3 ♀ PT (in alc.)

Remarks: HT dissected, pinned separately (No. 243).

trigona Mannheims, 1966: 253 (*Tipula (Lunatipula)*) - ♂ HT

trunca Mannheims, 1954: 170 (*Tipula (Lunatipula)*) - ♂ HT; 2 ♂, 2 ♀ PT

turca Mannheims, 1963: 165 (*Tipula (Lunatipula)*) - ♂ HT

turcolivida Mannheims, 1968: 298 (*Tipula (Lunatipula)*) - ♂ HT

turgida Oosterbroek, 1997: 193 (*Tipula (Lunatipula)*) - 1 ♂, 2 ♀ PT

tyche Mannheims, 1966: 496 (*Tipula (Lunatipula)*) - ♂ HT; 2 ♂, 1 ♀ PT

unguifer Starý, 1978: 346 (*Molophilus (Molophilus)*) - 4 ♂ PT (in alc.)

Remarks: Syn. of *M. vafer* Lackschewitz.

unicornis Alexander, 1961: 208 (*Nephrotoma*) - 1 ♀ PT

urania Mannheims, 1954: 178 (*Tipula (Lunatipula)*) - ♂ HT; 25 ♂, 15 ♀ PT

ursulae Mannheims, 1965: 206 (*Tipula (Lunatipula)*) - ♂ 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 ♂ PT

Remarks: 1 ♂ PT? in alcohol, original specimen identified by MANNHEIMS for VAILLANT and published name in VAILLANT'S Madicole thesis (1956), same label data as holotype publ. by THEOWALD (1977). No indication in description of an alcohol specimen.

vana Savchenko, 1980: 36 (*Gonomyia (Gonomyia)*) - 1 ♂ PT

Remarks: PT dissected, pinned separately.

venerabilis Alexander, 1935: 395 (*Tipula (Oreomyza)*) - 1 ♂ PT

Remarks: Assigned to subgenus *Savtshenkia* Alexander.

veneris Alexander, 1952: 54 (*Limonia (Dicranomyia)*) - 1 ♂, 1 ♀, 1 ? PT

verberneae Mannheims & Theowald, 1959: 53 (*Tipula (Vestiplex)*) - 40 ♂, 12 ♀ PT

whitneyi Alexander, 1923: 161 (*Tipula*) - 1 ♂ PT

wirthiana Alexander, 1970: 46 (*Gonomyia (Paralipophleps)*) - 1 ♂ PT

Remarks: PT damaged.

wolfi Mannheims, 1954: 175 (*Tipula (Lunatipula)*) - ♂ HT; 2 ♀ PT

xuthoptera Alexander, 1966: 266 (*Angarotipula*) - 1 ♂ PT

Remarks: PT damaged.

zangherii Lackschewitz, 1932: 182 (*Tipula*) - 3 ♂, 3 ♀ PNT

Remarks: NT & PNT des. MANNHEIMS (1967: 284) (PNT have no status).

zarcoi Mannheims, 1967: 282 (*Tipula (Lunatipula)*) - 28 ♂, 21 ♀ PT

zernyi Mannheims, 1952: 110 (*Tipula (Schummelia)*) - 2 ♂, 4 ♀ PT
zwicki Mendl, 1973: 291 (*Pedicia (Tricyphona)*) - ♂ HT (in alc.)

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Family: Trichoceridae

candida Dahl 1976: 63 (*Trichocera (Metatrachocera)*) - 1 ♂ PT (in alc.)

dahli Mendl 1971: 61 (*Trichocera*)- ♂ HT; 6 ♂ PT (in alc.)

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

implicata Dahl 1976: 59 (*Trichocera* s.s.) - 1 ♂ PT (in alc.)

mendli Dahl 1976: 61 (*Trichocera* s.s.) - 1 ♂ PT (in alc.)

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Table 1. The total number of types for the families of Diptera in ZFMK

1Family	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
Chloropidae					10
Dolichopodidae (<i>s. lat.</i>)		2			23
Empididae	2	30			19
Glossinidae					1
Hybotidae					3
Milichiidae					2
Muscidae	1	3			
Oreoleptidae					1
Phoridae		n.a.			n.a.
Pipunculidae		4			
Platystomatidae	1				
Psychodidae		2			
Ptychopteridae					2
*Scaridae	2	10	67		22
Sciomyzidae		2			
Stratiomyidae	1	3			
Syrphidae			1	1	3
Tabanidae		4			
Tachinidae		2			
Tephritidae		11			4
Thaumaleidae					1
Tipulidae (<i>s. lat.</i>)	14	160	6	4	187
Trichoceridae		1			3
Total	32	246	76	5	302

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