

*Catalogue of*  
**PALAEARCTIC**  
**DIPTERA**

*Ceratopogonidae – Mycetophilidae*

*Volume*

**3**

*Á. Soós (Editor)*

*L. Papp (Assistant Editor)*

**AKADÉMIAI KIADÓ · BUDAPEST**

# CATALOGUE OF PALAEARCTIC DIPTERA

Board of Editors

E. P. Nartshuk, L. Papp, Prof. R. Rozkošný, H. Schumann, Á. Soós, V. F. Zaitzev

VOLUME 3: CERATOPOGONIDAE—MYCETOPHILIDAE  
1988. 448 pp. + 1 map

VOLUME 1: Trichoceridae — Nymphomyiidae

VOLUME 2: Psychodidae — Chironomidae

VOLUME 3: Ceratopogonidae — Mycetophilidae, 1988

VOLUME 4: Sciaridae — Anisopodidae, 1986

VOLUME 5: Athericidae — Asilidae, 1988

VOLUME 6: Therevidae — Empididae, in preparation

VOLUME 7: Dolichopodidae — Platypezidae, in preparation

VOLUME 8: Syrphidae — Conopidae, in preparation

VOLUME 9: Micropezidae — Agromyzidae, 1984

VOLUME 10: Clusiidae — Chloropidae, 1984

VOLUME 11: Scathophagidae — Hypodermatidae, 1986

VOLUME 12: Calliphoridae — Sarcophagidae, 1986

VOLUME 13: Anthomyiidae — Tachinidae

VOLUME 14: Index to volumes 1–13



# CATALOGUE OF PALAEARCTIC DIPTERA

VOLUME 3

CERATOPOGONIDAE — MYCETOPHILIDAE

Editor

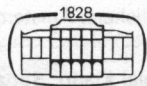
**Á. SOÓS**

Zoological Department  
Hungarian Natural History Museum  
Budapest, Hungary

Assistant editor

**L. PAPP**

Zoological Department  
Hungarian Natural History Museum  
Budapest, Hungary



AKADÉMIAI KIADÓ · BUDAPEST 1988

ISBN 963 05 3910 1 (Series)  
ISBN 963 05 4236 6 (Vol. 3)

Joint edition published by  
Akadémiai Kiadó, Budapest, Hungary and  
Elsevier Science Publishers, Amsterdam, The Netherlands

© Akadémiai Kiadó, Budapest, 1988

Printed in Hungary

## Contents\*

Explication to distribution .....	6
Authors and their addresses (Vol. 3) .....	9
Families	
Ceratopogonidae (H. REMM) .....	11
Leptoconopidae (H. REMM) .....	110
Simuliidae (I. A. RUBZOV and A. V. YANKOVSKY) .....	114
Thaumaleidae (J. MARTINOVSKÝ and R. ROZKOŠNÝ) .....	186
Pachyneuridae (N. P. KRIVOSHEINA and B. M. MAMAEV) .....	192
Bolitophilidae (E. PLASSMANN) .....	193
Ditomyiidae (B. M. MAMAEV and N. P. KRIVOSHEINA) .....	197
Keroplastidae (N. P. KRIVOSHEINA and B. M. MAMAEV) .....	199
Diadocidiidae (N. P. KRIVOSHEINA) .....	210
Macroceridae (N. P. KRIVOSHEINA and B. M. MAMAEV) .....	212
Manotidae (N. P. KRIVOSHEINA and B. M. MAMAEV) .....	218
Mycetobiidae (B. M. MAMAEV and N. P. KRIVOSHEINA) .....	218
Lygistorrhinidae (L. MATILE) .....	220
Mycetophilidae (W. HACKMAN, P. LAŠTOVKA, L. MATILE and R. VÄISÄNEN) .....	220
Bibliography .....	328
Index .....	401

\* All general information concerning the Catalogue is to be found on pages 7-15 of Volume 9, which was the first volume published in the series.

The deadline of the manuscripts of the present volume was 31 December, 1982. In exceptional cases some papers of fundamental nomenclatorial or taxonomical importance have also been listed, but no new taxa published after 1982.



## Explication to distribution

Merely for the unalterable circumstance that the South-Southeastern Asian as well as the North African borders of the Palaearctic Region have already been "defined" in the Oriental and Afrotropical Catalogues, they have to be accepted here also, namely in Central Asia the western and northern borders of Pakistan, then the High Himalayas (excluding Nepal) and Northern Latitude 30° in China and Japan; in North Africa and the Arabian Peninsula the border extends in the Sahara along the Tropic of Cancer and joins the south western confines of Pakistan.

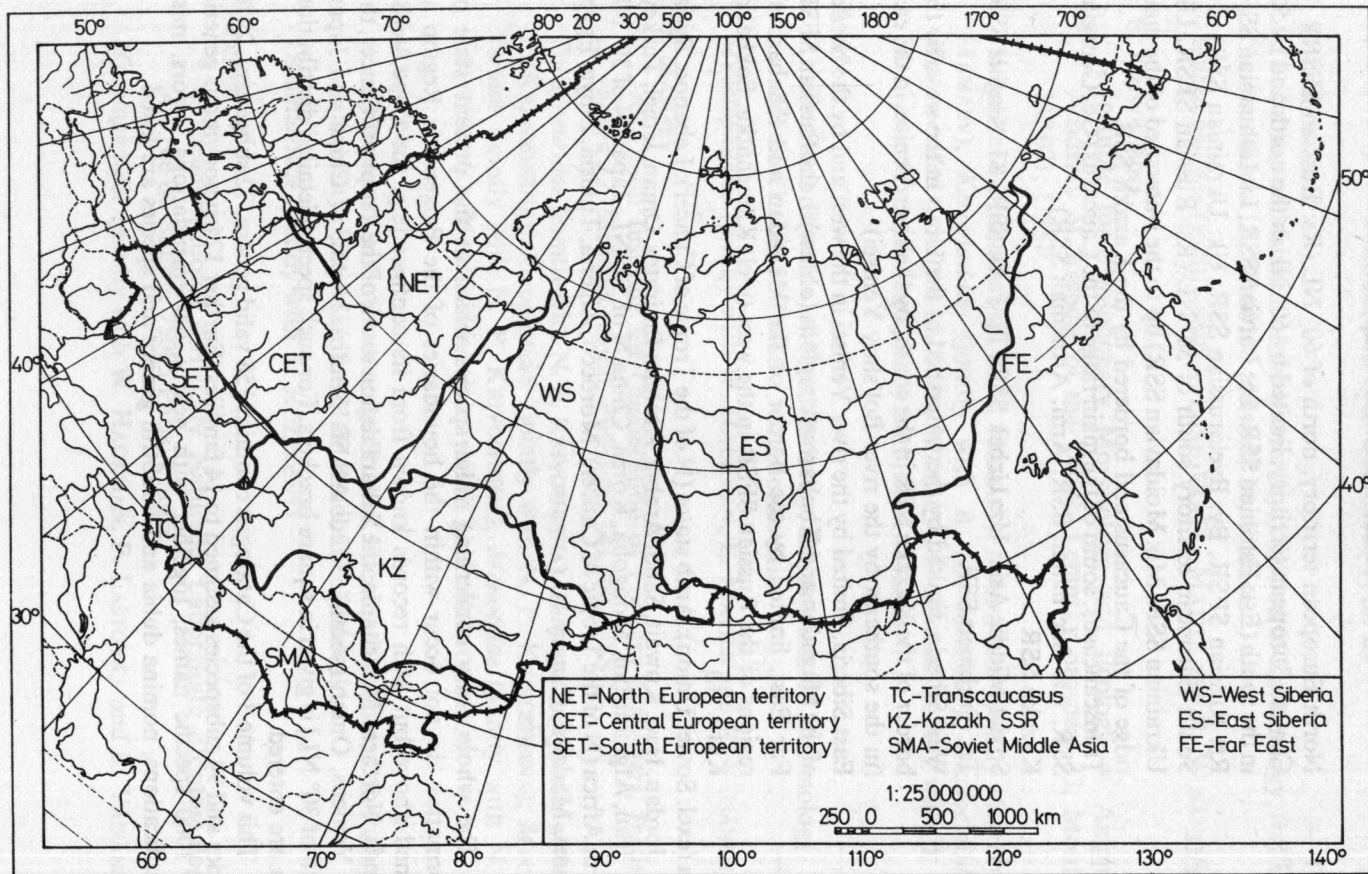
When listing detailed distribution data, the following divisions and abbreviations are used.\*

### Europe (excl. Soviet Union)

A	— Austria	H	— Hungary
AL	— Albania	I	— Italy
B	— Belgium	IRE	— Ireland
BG	— Bulgaria	IS	— Iceland
CH	— Switzerland	L	— Luxembourg
CS	— Czechoslovakia	M	— Malta
CY	— Cyprus	N	— Norway
D	— German Federal Republic	NL	— Netherlands
DDR	— German Democratic Republic	P	— Portugal
DK	— Denmark	PL	— Poland
E	— Spain	R	— Roumania
F	— France	S	— Sweden
FL	— Liechtenstein	SF	— Finland
GB	— Great Britain	TR	— Turkey
GR	— Greece	YU	— Yugoslavia

#### \* Remarks:

1. Ireland. The Irish island is considered as a geographic unit and thus both the Irish Free State and the U.K. Northern Ireland appear under the abbreviation IRE;
2. If the name Berlin is used as a type-locality or a distribution point, it is written without any attributes;
3. As type-localities or distribution points, the names Palaestina or Palestine are similarly entered in these forms. When, in the case of actual locality names, it can be ascertained that they lie in Israel or in Jordan, they are listed under the name of the respective country. The same consideration applies to Jerusalem as to Berlin.



EXPLICATION TO DISTRIBUTION

## Soviet Union (see map)

- NET — North European territory, north of 60° NL (Rs: Russian SFSR)  
 CET — Central European territory, limited by 60° NL in the north and by 50° in the south (Est: Estonian SSR, La: Latvian SSR, Li: Lithuanian SSR, Rs: Russian SFSR, By: Byelorussian SSR, Uk: Ukrainian SSR)  
 SET — South European territory south of 50° NL (Rs: Russian SFSR, Uk: Ukrainian SSR, Mo: Moldavian SSR) up to the watershed of the main ridge of the Caucasus and bordered by the Kazakh SSR  
 TC — Transcaucasus, south of the main ridge of the Caucasus (Ge: Georgian SSR, Az: Azerbaijan SSR, Arm: Armenian SSR)  
 KZ — Kazakh SSR  
 SMA — Soviet Middle Asia: Uz: Uzbek SSR, Tj: Tajik SSR, Ki: Kirghiz SSR, Tu: Turkmen SSR  
 WS — West Siberia, limited by the watershed of the Urals in the west, by the border of the Kazakh SSR in the south, by the river Yenisei in the east (in the southeast by the river Bol'shoy Yenisei)  
 ES — East Siberia, limited by the river Yenisei in the west and by the border of the Magadan and Khabarovsk regions (oblast) in the Russian SFSR  
 FE — Far East, limited by the border of the Magadan and Khabarovsk regions of the Russian SFSR in the west (incl. Kamchatka, Sakhalin, Kuril Is.)

Asia (excl. Soviet Union): Arab states (N of the Tropic of Cancer): Lebanon, Syria, Jordan, Iraq, Kuwait, Saudi Arabia, Arabian Emirates, Oman; Israel, Turkey, Iran, Afghanistan, Mongolia, Korea, China N of 30° NL, Japan N of 30° NL  
 North Africa (N of the Tropic of Cancer): Morocco, Algeria, Tunisia, Libya, Egypt  
 Azores, Madeira, Canary Is.

The whole entry concerning valid species which at the present state of information do not occur within the boundaries of the Palaearctic Region as defined above but with records known from its confines [e.g. the Cape Verde Islands, Northern Mauritania, the Sahara region south of the Tropic of Cancer, the two Yemens, Oman (south), Saudi Arabia (south), Nepal, or China and Japan south of 30° NL] is given in square brackets. For such species detailed distribution data are entered.

This volume 3 of the Catalogue contains 158 valid genera, 72 subgenera, 2970 species and 94 subspecies assigned to 14 families. Further 124 synonymous generic and 1000 specific names, together with nearly 300 emendations, errors, mis-identifications, nomina dubia and doubtful genera and species are listed.



## Authors and their addresses (Vol. 3)

W. HACKMAN

Zoological Museum of the University, Division of Entomology, P.-Rautatiekatu 13, SF-00100 Helsinki 10, Finland

*Mycetophilidae* (jointly with P. LAŠTOVKA, L. MATILE and R. VÄISÄNEN)

N. P. KRIVOSHEINA

Institute for Evolutionary Morphology and Ecology of Animals, Academy of Sciences of the USSR, Leninsky prospect 33, Moscow 117071, USSR

*Pachyneuridae* (jointly with B. M. MAMAEV), *Ditomyiidae* (jointly with B. M. MAMAEV), *Keroplastidae* (jointly with B. M. MAMAEV), *Diadocidiidae*, *Macroceridae* (jointly with B. M. MAMAEV), *Manotidae* (jointly with B. M. MAMAEV), *Mycetobiidae* (jointly with B. M. MAMAEV)

P. LAŠTOVKA

Research Institute of Food Industry, Department of Entomology, Na bělidle 21, 150 38 Praha 5, Czechoslovakia

*Mycetophilidae* (jointly with W. HACKMAN, L. MATILE and R. VÄISÄNEN)

B. M. MAMAEV

All-Union Institute for Qualification of Forestry Managers, Institut-skaya 17, Moscow region, Pushkino 141 200, USSR

*Pachyneuridae* (jointly with N. P. KRIVOSHEINA), *Ditomyiidae* (jointly with N. P. KRIVOSHEINA), *Keroplastidae* (jointly with N. P. KRIVOSHEINA), *Macroceridae* (jointly with N. P. KRIVOSHEINA), *Manotidae* (jointly with N. P. KRIVOSHEINA), *Mycetobiidae* (jointly with N. P. KRIVOSHEINA)

J. MARTINOVSKÝ

Department of Environmental Studies, Faculty of Science, J. E. Purkyně University, Kotlářská 2, 611 37 Brno, Czechoslovakia

*Thaumaleidae* (jointly with R. ROZKOŠNÝ)

L. MATILE

Museum National d'Histoire Naturelle, Laboratoire d'Entomologie, 45, rue de Buffon, 75005 Paris, France

*Mycetophilidae* (jointly with W. HACKMAN, P. LAŠTOVKA and R. VÄISÄNEN)

## E. PLASSMANN

Hauptstrasse 11, D-8059 Oberding, Bundesrepublik Deutschland

*Bolitophilidae*

## H. REMM

Zoological Institute, Tartu State University, Vanemuise 46, 202 400  
Tartu, Estonian SSR, USSR

*Ceratopogonidae, Leptoconopidae*

## R. ROZKOŠNÝ

Department of Environmental Studies, Faculty of Science, J. E. Purkyně  
University, Kotlářská 2, 611 37 Brno, Czechoslovakia

*Thaumaleidae* (jointly with J. MARTINOVSKÝ)

## I. A. RUBZOV

Zoological Institute, Academy of Sciences of the USSR, 199 164  
Leningrad, USSR

*Simuliidae* (jointly with A. V. YANKOVSKY)

## R. VÄISÄNEN

Zoological Museum of the University, Division of Entomology, P.-Rau-  
tautiekatu 13, SF-00100 Helsinki 10, Finland

*Mycetophilidae* (jointly with W. HACKMAN, P. LAŠTOVKA and L. MATILE)

## A. V. YANKOVSKY

Zoological Institute, Academy of Sciences of the USSR, 199 164  
Leningrad, USSR

*Simuliidae* (jointly with I. A. RUBZOV)

# Family Ceratopogonidae

By H. REMM

Stout, 1–4 mm long flies. Antennae slender, usually 15-segmented. First eight flagellar segments of female antennae usually distinct from last five, which more elongated. Male antennae more or less plumose. Mouthparts well developed forming proboscis, mandibles distally often with teeth. Palpi usually 5-segmented, third segment swollen and with sensory organ. Wings with one or two anterior cells; media forked.

Larvae slender, without functioning spiracles. Head capsule well sclerotized. Body composed of three thoracic and nine abdominal segments. Pupae with a pair of prothoracic respiratory horns. Last segment bearing a pair of pointed apicolateral processes.

Immature stages aquatic, semiaquatic or terrestrial under bark, in wet or damp wood, in cattle or horse dung, in fungi or in wet soil.

Females of most species adapted to some type of bloodsucking. Species of *Culicoides* and *Lasiohelea* suck vertebrate blood and cause much human misery by their biting and transmit agents of both human and animal diseases (onchocerciasis of horse and cattle, bluetongue of sheep, horse-sickness, several human filariases, Haemaphysalis and Leucocytozoon of birds). Some *Atrichopon* and *Forcipomyia* ectoparasitic in large insects, whereas many genera predaceous on other smaller insects. Some genera (e.g. *Dasyhelea*) exclusively flower-visiting, feeding on nectar, many others supplement their diet this way. Males all with reduced mouthparts, feeding often on nectar.

**References:** GLUKHOVA, 1979; GOETGHEBUER, 1933, 1934; GUTSEVICH, 1973; KIEFFER, 1925; KREMER, 1966; ZILAH-SEBESS, 1940.

## Subfamily Palpomyiinae

### Tribe Sphaeromiini

#### *Jenkinshelea* MACFIE, 1934

MACFIE, 1934: Ann. trop. Med. Parasit., **28**: 177, new name for *Jenkinsia* KIEFFER, 1913.

*Jenkinsia* KIEFFER, 1913: Rec. Indian Mus., **9**(3): 165, a junior homonym of *Jenkinsia* JORDAN et EVERMANN, 1896. Type-species: *Jenkinsia setosipennis* KIEFFER, 1913: l.c.: 165 (orig. des.); not Palaearctic.

*stenoptera* REMM, 1979: Trudy vses. ent. Obshch., **61**: 178 (*Jenkinshelea*). Type-locality: Serahs (Turkmen SSR).—Distr.: USSR: SMA (Tu).



**Johannsenomyia MALLOCH, 1915**

MALLOCH, 1915: Bull. Ill. St. Lab. nat. Hist., **10**(6): 332.

Type-species: *Johannsenomyia halteralis* MALLOCH, 1915: l.c.: 338 (des. WIRTH, 1952: Univ. Calif. Publs Ent., **9**: 211); not Palaearctic.

**imparunguis** (BECKER, 1903): Mitt. zool. Mus. Berl., **2**(3): 72 (*Ceratopogon*). Type-locality: Egypt.—Distr.: North Africa: Egypt.

**Macropeza MEIGEN, 1818**

MEIGEN, 1818: Syst. Besch., **1**: 87.

Type-species: *Macropeza albitarsis* MEIGEN, 1818: l.c.: 87 (mon.).

**albitarsis** MEIGEN, 1818: Syst. Besch., **1**: 87 (*Macropeza*). Type-locality: not given.—Distr.: Central Europe; USSR: CET, SET (Uk).

*valvata* (WINNERTZ, 1852): Linn. ent., **6**: 72 (*Ceratopogon*). Type-locality: Crefeld [D].

**navasi** (SÉGUY, 1934): Mems Acad. Cienc. exact. Zaragoza, **3**: 10 (*Macroptylum*). Type-locality: Spain.—Distr.: Europe: E.

**nuda** (BECKER, 1903): Mitt. zool. Mus. Berl., **2**(3): 77 (*Macroptilum*). Type-locality: Kairo (Egypt).—Distr.: North Africa: Egypt.

**Probezzia KIEFFER, 1906**

KIEFFER, 1906: Genera Insectorum, Fasc. **42**: 57.

Type-species: *Ceratopogon venustus* MEIGEN, 1818: Syst. Besch., **1**: 78 (des. COQUILLET, 1910: Proc. U.S. natn. Mus., **37**: 594 [= *seminigra* (PANZER, 1798)]).

*Dicrobezzia* KIEFFER, 1919: Annls hist.-nat. Mus. natn. hung., **17**: 127. Type-species: *Ceratopogon venustus* MEIGEN, 1818: Syst. Besch., **1**: 78 (orig. des.).

**fuscipennis** WIRTH, 1971: Ann. ent. Soc. Am., **64**(3): 735 (*Probezzia*). Type-locality: Maine (USA).—Distr.: USSR: CET (Est, La); North America.

**seminigra** (PANZER, 1798): Fauna insect. germ., Fasc. **54**: 10 (*Tipula*). Type-locality: Germany.—Distr.: North and Central Europe; USSR: forest zone; North America.

*concinna* (MEIGEN, 1818): Syst. Besch., **1**: 77 (*Ceratopogon*). Type-locality: not given.

*venusta* (MEIGEN, 1818): Syst. Besch., **1**: 78 (*Ceratopogon*). Type-locality: Austria.

*inflata* (WINNERTZ, 1852): Linn. ent., **6**: (*Ceratopogon*). Type-locality: Crefeld [D].

*spinosidorsum* KIEFFER, 1921: Bull. Soc. Hist. nat. Moselle, **29**: 61 (*Probezzia*).

Type-locality: Silesia [= Śląsk] (Poland).

*borealis* (CLASTRIER, 1962): Archs Inst. Pasteur Algér., **40**(1): 119 (*Bezzia*).

Type-locality: "entre Lapparenda et Tempere" (Finland).

*sugiyamai* (TOKUNAGA, 1940): Philipp. J. Sci., **72**: 282 (*Dicrobezzia*). Type-locality:

Uzumasa, Kyoto (Japan).—Distr.: USSR: FE (Khabarovsk region);

Asia: Japan.

### Mallochohelea WIRTH, 1962

WIRTH, 1962: Ann. ent. Soc. Am., **55**: 278.

Type-species: *Johannsenomyia albibasis* MALLOCH, 1915: Bull. Ill. St. Lab. nat.

Hist., **11**: 315 (orig. des.); not Palaearctic.

*alpina* (CLASTRIER, 1962): Archs Inst. Pasteur Algér., **40**(2-3): 282 (*Johannsenomyia*). Type-locality: Maroggia, South tip of the lake Lugano (Switzerland).—Distr.: Europe: CH.

*inermis* (KIEFFER, 1909): Bull. Soc. Hist. nat. Moselle, **26**(2): 38 (*Johannseniella*).

Type-locality: Dortmund [D].—Distr.: Central Europe; USSR: CET, SET (Uk), ES, FE; Asia: Mongolia.

*kiefferi* (GOETGHEBUER, 1921): Mém. Mus. r. Hist. nat. Belg., **8**(4): 182

(*Johannsenomyia*). Type-locality: Gand (Belgium).

*munda* (LOEW, 1864): Z. ges. Naturw., **24**: 381 (*Ceratopogon*). Type-locality: Halle

[DDR].—Distr.: Europe: D, DDR, DK, GB, S; USSR: NET, CET, ES, FE (Kamchatka).

*dentata* (KIEFFER, 1909): Bull. Soc. Hist. nat. Moselle, **26**: 38 (*Johannseniella*).

Type-locality: Dortmund [D].

*breviforceps* (KIEFFER, 1915): Ent. Meddr, **10**: 289 (*Palpomyia*). Type-locality:

Denmark.

*nitida* (MACQUART, 1826): Mém. Soc. Sci. Agric. Lille, **1823-1824**: 178

(*Ceratopogon*). Type-locality: North France.—Distr.: North and Central Europe; USSR: CET (Est, La, Li, Rs).

*clavicornis* (KIEFFER, 1919): Anns hist.-nat. Mus. natn. hung., **17**: 88

(*Sphaeromias*, as var. of *nitida*). Type-locality: Verebely (Czechoslovakia).

*longiforceps* (KIEFFER, 1919): Anns hist.-nat. Mus. natn. hung., **17**: 88

(*Sphaeromias*, as var. of *nitida*). Type-locality: Denmark.

*remota* (KIEFFER, 1919): Anns hist.-nat. Mus. natn. hung., **17**: 87 (*Sphaeromias*, as

var. of *nitida* MACQUART). Type-locality: Verebely (Czechoslovakia).—

Distr.: Europe: BG, CS, F, H; USSR: SET (Mo), TC (Az).

*dimidiata* (KIEFFER, 1921): Bull. Soc. Hist. nat. Moselle, **29**: 59 (*Sphaeromias*).

Type-locality: Charente-Inférieure (France).

*bulgarica* (ZILAHİ-SEBESS, 1934): Bull. Soc. ent. Bulg., **8**: 157 (*Sphaeromias*,

as var. of *nitida* MACQUART). Type-locality: Bulgaria.

- scandinavica** (CLASTRIER, 1962): Archs Inst. Pasteur Algér., **40**(2-3): 286 (*Johannsenomyia*). Type-locality: "entre Brekkvasselv et Mo I Rana" (Norway).—Distr.: Europe: N.
- setigera** (LOEW, 1864): Z. ges. Naturw., **24**: 380 (*Ceratopogon*). Type-locality: Halle [DDR].—Distr.: Europe: B, D, DDR, F, GB, H; USSR: CET (Est), SET (Uk), KZ, ES, FE.
- maiensis** REMM, 1971: Живая природа Дальнего Востока: 209 (*Mallochohelea*). Type-locality: Novo-Hatunichi, Primorye region (USSR).
- shibuyai** (TOKUNAGA, 1940): Philipp. J. Sci., **72**: 277 (*Johannsenomyia*). Type-locality: Ikeda, Osaka (Japan).—Distr.: Asia: Japan.
- silvicola** (GOETGHEBUER, 1920): Mém. Mus. r. Hist. nat. Belg., **8**(3): 75 (*Johannsenomyia*). Type-locality: Bois du Rabais, à Virton (Belgium).—Distr.: Europe: B; USSR: NET, ES.
- tianshanica** REMM, 1980: Tartu Ülik. Metsaosak. Toim., **516**: 85 (*Mallochohelea*). Type-locality: Sary-Tshelek nat. res. (Kirghiz SSR).—Distr.: USSR: CET (Est), KZ, SMA (Ki, Tj); Asia: Iran.
- vernalis** REMM, 1965: Ent. Obozr., **44**(1): 185 (*Mallochohelea*). Type-locality: Rapla (Estonian SSR).—Distr.: USSR: CET (Est, Li).

### Nilobezzia KIEFFER, 1921

KIEFFER, 1921: Anns Soc. ent. Fr., **90**: 24.

Type-species: *Nilobezzia armata* KIEFFER, 1921: l.c.: 24 (mon.); not Palaearctic.

*Sphaerobezzia* ZILAHÍ-SEBESS, 1940: Folia ent. hung., **5**: 108 (as subgenus of *Bezzia* KIEFFER, 1899). Type-species: *Bezzia paradoxa* ZILAHÍ-SEBESS, 1940: l.c.: 108 (mon.).

*Parrotia* KIEFFER, 1924: see below as subgenus.

### Subgenus NILOBEZZIA KIEFFER, 1921

- flavida** REMM, 1980: Tartu Ülik. Metsaosak. Toim., **516**: 86 (*Nilobezzia*). Type-locality: Tigrovaya balka (Tajik SSR).—Distr.: USSR: SMA (Tj, Tu, Uz).
- japana** (TOKUNAGA, 1939): Tenthredo, **2**(3): 284 (*Bezzia*). Type-locality: Seto, Wakayama-ken (Honshu).—Distr.: Asia: Japan.
- posticata** (ZETTERSTEDT, 1850): Dipt. Scand., **9**: 3658 (*Ceratopogon*). Type-locality: Aamodt (Norway).—Distr.: Europe: A, D, H, N; USSR: SET, TC, KZ, SMA (Tj, Tu, Uz), ES.
- schineri** (KIEFFER, 1919): Anns hist.-nat. Mus. natn. hung., **17**: 93 (*Palpomyia*, new name for *Ceratopogon leucogaster*: SCHINER, 1864, not ZETTERSTEDT, 1850); misidentification.
- grisea** (ZILAHÍ-SEBESS, 1936): Acta biol., Szeged, **4**(1): 44 (*Sphaeromyias*). Type-locality: Tápé (Hungary).



## Subgenus PARROTIA KIEFFER, 1924

KIEFFER, 1924: *Annls Soc. scient. Brux.*, **43**: 140.

Type-species; *Parrotia flaviventris* KIEFFER, 1924: l.c.: 140 (orig. des.)  
[= *kiefferi* WIRTH, 1973]; not Palaearctic.

**claripennis** (KIEFFER, 1916): *Annls hist.-nat. Mus. natn. hung.*, **14**: 97 (*Bezzia*).  
Type-locality: Taiwan.—Distr.: Asia: Japan (Honshu); Taiwan.

**formosa** (LOEW, 1869): *Beschr. europ. Dipt.*, **1**: 1 (*Ceratopogon*). Type-locality:  
Hungary.—Distr.: Europe: H; USSR: SET, TC (Az), KZ, SMA (Tj, Tu, Uz).

*paradoxa* (ZILAHÍ-SEBESS, 1940): *Folia ent. hung.*, **5**: 108 (*Bezzia*). Type-  
localities: Tőserdő, Kiskunhalas (Hungary).

**henanei** CLASTRIER, 1962: *Archs Inst. Pasteur Algér.*, **40**(1): 121 (*Nilobezzia*). Type-  
locality: "In-Safah, Sahara Central" (Algeria).—Distr.: North Africa:  
Algeria.

**leucothrix** REMM, 1980: *Tartu Ülik. Metsaosak. Toim.*, **516**: 88 (*Nilobezzia*). Type-  
locality: Iolotan (Turkmen SSR).—Distr.: USSR: SMA (Tj, Tu).

**nipponensis** (TOKUNAGA, 1939): *Tenthredo*, **2**(3): 287 (*Bezzia*). Type-locality: Toba,  
Mie-ken (Japan).—Distr.: Asia: Japan (Honshu).

**setoensis** (TOKUNAGA, 1939): *Tenthredo*, **2**(3): 286 (*Bezzia*). Type-locality: Suga-  
zima, Mie-ken (Japan).—Distr.: Asia: Japan (Honshu).

**zibanensis** CLASTRIER, 1962: *Archs Inst. Pasteur Algér.*, **40**(1): 123 (*Nilobezzia*).  
Type-locality: Biskra (Algeria).—Distr.: Europe: E; North Africa:  
Algeria.

## Sphaeromias CURTIS, 1829

CURTIS, 1829: *Brit. Ent.*, **6**: 285.

Type-species: *Sphaeromias albomarginatus* CURTIS, 1829: l.c.: 285 (mon.)  
[= *fasciatus* (MEIGEN, 1804)].

*Xylocrypta* KIEFFER, 1899: *Bull. Soc. ent. Fr.*, **1899**: 69. Type-species: *Ceratopogon*  
*fasciatus* MEIGEN, 1804: *Klass. Beschr.*, **1**: 30 (mon.).

**candidatus** (LOEW, 1856): *Programm K. Realschule zu Meseritz*, **1856**: 23 (*Cerato-*  
*pogon*). Type-locality: "Neusiedler See".—Distr.: Central Europe; ?SF;  
USSR: CET (By, Rs), SET, TC (Az), KZ, SMA, WS; Asia: Mongolia.

*miricornis* (KIEFFER, 1919): *Annls hist.-nat. Mus. natn. hung.*, **17**: 77  
(*Xylocrypta*). Type-locality: Szeghalom (Hungary).

**fasciatus** (MEIGEN, 1804): *Klass. Beschr.*, **1**: 30 (*Ceratopogon*). Type-locality: not  
given.—Distr.: North and Central Europe; USSR: NET, CET, WS, ES,  
FE.

- cingulatus* (MEIGEN, 1804): Klass. Beschr., 1: 30 (*Ceratopogon*). Type-locality: not given.
- albomarginatus* CURTIS, 1829: Brit. Ent., 6: 285 (*Sphaeromyias*). Type-locality: Great Britain.
- procerus* (ZETTERSTEDT, 1855): Dipt. Scand., 12: 4867 (*Ceratopogon*). Type-locality: Sweden.
- ocularis* (KIEFFER, 1924): Anns Soc. scient. Brux., 43: 397 (*Xylocrypta*). Type-locality: Holstein [D].
- goetghebueri* DE MEJERE, 1946: Tijdschr. Ent., 87: 9 (*Sphaeromyias*). Type-localities: Abcoude, Naardermeer (Netherlands).
- ornatipennis** GOETGHEBUER, 1933: Bull. Anns Soc. r. ent. Belg., 73: 113 (*Sphaeromyias*). Type-locality: "Rjabovonj, lac Chanka".—Distr.: USSR: FE; Asia: North China.
- nubeculosus* (TOKUNAGA, 1941): Insecta matsum., 15(3): 100 (*Palpomyia*). Type-locality: Harbin, Manchuria.
- pictus** (MEIGEN, 1818): Syst. Beschr., 1: 80 (*Ceratopogon*), Type-locality: Berlin.—Distr.: Europe: Central Europe, I, SF; USSR: CET, KZ, SMA (Ki); Asia: Japan, North China.
- elegans* (WINNERTZ, 1852): Linn. ent., 6: 58 (*Ceratopogon*). Type-locality: Stettin [= Szczecin] (Poland).
- copiosus* (KIEFFER, 1925): Archs Inst. Pasteur Algér., 3(4): 423 (*Xylocrypta*). Type-locality: Pistovice (Czechoslovakia).
- punctatus** (MEIGEN, 1830): Syst. Beschr., 6: 264 (*Ceratopogon*). Type-locality: not given.—Distr.: Europe: D.

### Tribe Palpomyiini

#### Palpomyia MEIGEN, 1818

MEIGEN, 1818: Syst. Beschr., 1: 82.

Type-species: *Ceratopogon flavipes* MEIGEN, 1804: Klass. Beschr., 1: 28 (mon.).  
*Apogon* RONDANI, 1856: Dipt. Ital. Prodromus, 1: 175. Type-species: *Ceratopogon hortulanus* MEIGEN, 1818: Syst. Beschr., 1: 81 (orig. des.) [= *flavipes* (MEIGEN, 1804)].

*Alasion* RONDANI, 1857: Dipt. Ital. Prodromus, 2: 14, new name for *Apogon* RONDANI, 1856, a junior homonym of *Apogon* LACEPEDE, 1802 (Pisces).

*Gluhhovia* REMM, 1976: see below as subgenus.

#### Subgenus GLUHHOVIA REMM, 1976

REMM, 1976: Loodusuur. Seltsi Aastar., 64: 174.

Type-species: *Palpomyia miki* GOETGHEBUER, 1934: 13a. Heleidae, Fliegen pal. Reg., 3: 91 (orig. des.).

- arenosa** (REMM et NASARMUCHAMEDOV, 1969): Uzbek. biol. Zh., **13**(4): 54 (*Bezzia*).  
Type-locality: Kungrad (Uzbek SSR).—Distr.: USSR: KZ, SMA (Tj, Uz).
- bipicta** REMM, 1976: Loodusuur. Seltsi Aastar., **64**: 175 (*Palpomyia*). Type-locality: Shaartuz (Tajik SSR).—Distr.: USSR: TC (Az), SMA (Tj, Tu).
- miki** GOETGHEBUER, 1934: 13a. Heleidae, Fliegen pal. Reg., **3**: 91 (*Palpomyia*).  
Type-locality: "Neusiedler See" (Hungary).—Distr.: Europe: CS, H; USSR: SET, TC (Az), KZ, SMA (Tj, Tu, Uz), ES; Asia: Iran, Mongolia, North China.
- tamaricis** REMM, 1976: Loodusuur. Seltsi Aastar., **64**: 176 (*Palpomyia*). Type-locality: Arslanbob (Kirghiz SSR).—Distr.: USSR: SMA (Ki).
- turanica** REMM, 1976: Loodusuur. Seltsi Aastar., **64**: 176 (*Palpomyia*). Type-locality: Ush-Tobe (Kazakh SSR).—Distr.: USSR: KZ.
- tuvae** REMM, 1972: Tartu Ülik. Metsaosak. Toim., **293**: 84 (*Palpomyia*). Type-locality: Tshadar (Tuva ASSR).—Distr.: USSR: SMA (Ki), WS, ES, FE (Kamchatka, Sakhalin); Asia: Mongolia, China.

#### Subgenus PALPOMYIA MEIGEN, 1818

- albipennis** KIEFFER, 1901: Bull. Soc. Hist. nat. Moselle, **21**: 163 (*Palpomyia*).  
Type-locality: Lorraine (France).—Distr.: Europe: F.
- algeriana** CLASTRIER, 1962: Archs Inst. Pasteur Algér., **40**(2-3): 24 (*Palpomyia*).  
Type-locality: "Le Marabout d'Aumale (environs d'Alger)".—Distr.: USSR: SET, TC; North Africa: Algeria.
- angustipennis** KIEFFER, 1919: Anns hist.-nat. Mus. natn. hung., **17**: 105 (*Palpomyia*).  
Type-locality: Csurgó (Hungary).—Distr.: Europe: H.
- arkitensis** REMM, 1976: Loodusuur. Seltsi Aastar., **64**: 183 (*Palpomyia*). Type-locality: Arkit (Kirghiz SSR).—Distr.: USSR: SMA (Ki).
- armata** KIEFFER, 1921: Bull. Soc. Hist. nat. Moselle, **29**: 60 (*Palpomyia*). Type-locality: Charente-Inférieure (France).—Distr.: Europe: F.
- armipes** (MEIGEN, 1838): Syst. Besch., **7**: 20 (*Ceratopogon*). Type-locality: Baiern [D].—Distr.: Central Europe; USSR: CET.
- erythrocephala** (STAEGER, 1839): Naturh. Tidsskr., **2**: 579 (*Ceratopogon*).  
Type-locality: Denmark.
- rufipectus** (WINNERTZ, 1852): Linn. ent., **6**: 62 (*Ceratopogon*). Type-locality: Stettin [= Szczecin] (Poland).
- aterrima** GOETGHEBUER, 1921: Mém. Mus. r. Hist. nat. Belg., **8**(4): 183 (*Palpomyia*).  
Type-locality: Belgium.—Distr.: Europe: A, B, N; USSR: TC (Az, Arm).
- atricoxa** KIEFFER, 1919: Anns hist.-nat. Mus. natn. hung., **17**: 110 (*Palpomyia*).  
Type-locality: Felsőbánya (Roumania).—Distr.: Europe: R.
- balozeti** CLASTRIER, 1966: Archs Inst. Pasteur Algér., **40**(2-3): 260 (*Palpomyia*).  
Type-locality: parc du Mont-Riant (Alger).—Distr.: North Africa: Algeria.



- bispinosa** KIEFFER, 1915: Ent. Meddr, **10**: 286 (*Palpomyia*). Type-locality: Denmark.—Distr.: Europe: DK.  
*kiefferi* GOETGHEBUER, 1934: 13a. Heleidae, Fliegen pal. Reg., **3**: 69 (*Palpomyia*, unnecessary new name for *Palpomyia bispinosa* KIEFFER).
- brachialis** (HALIDAY, 1833): Ent. Mag., **1**: 152 (*Ceratopogon*). Type-locality: Holywood (Great Britain).—Distr.: Europe: A, B, CS, D, E, GB, H; USSR: CET (Li, By, Rs), SET (Uk).  
*longipennis* KIEFFER, 1919: Annl's hist.-nat. Mus. natn. hung., **17**: 104 (*Palpomyia*). Type-locality: Turcsek (Czechoslovakia).  
*fusciclava* KIEFFER, 1919: Annl's hist.-nat. Mus. natn. hung., **17**: 109 (*Palpomyia*). Type-locality: Csetnek (Czechoslovakia).  
*nemorivaga* GOETGHEBUER, 1920: Mém. Mus. r. Hist. nat. Belg., **8**(3): 84 (*Palpomyia*). Type-locality: Melle (Belgium).
- calderana** STORÅ, 1936: Commentat. biol., **6**(1): 37 (*Palpomyia*). Type-locality: La Caldera, La Palma.—Distr.: Canary Is.
- castellana** (STROBL, 1900): Wien. ent. Ztg, **19**: 170 (*Ceratopogon*). Type-localities: S. Morena, Madrid (Spain).—Distr.: Europe: E.
- citrinipes** KIEFFER, 1922: Annl's Soc. scient. Brux., **42**(1): 72 (*Palpomyia*). Type-locality: Trebitsch (Czechoslovakia).—Distr.: Europe: CS.
- concoloripes** CLASTRIER, 1962: Archs Inst. Pasteur Algér., **40**(2-3) 258 (*Palpomyia*). Type-locality: "entre Trondheim et Namsos" (Norway).—Distr.: Europe: N.
- craponnei** CLASTRIER, 1926: Archs Inst. Pasteur Algér., **40**(2-3): 242 (*Palpomyia*). Type-locality: "entre St. Martin-de-Crau et Arles" (France).—Distr.: Europe: F.
- csikii** REMM, 1981: ENSV TA Toim., biol., **30**(1): 31 (*Palpomyia*, new name for *P. longicornis* KIEFFER, 1919, a junior primary homonym of *Palpomyia longicornis* WILLISTON, 1896).—Distr.: Europe: NL, R.  
*longicornis* KIEFFER, 1919: Annl's hist.-nat. Mus. natn. hung., **17**: 107 (*Palpomyia*). Type-locality: Szováta [= Sovata] (Roumania).
- distincta** (HALIDAY, 1833): Ent. Mag., **1**: 152 (*Ceratopogon*). Type-locality: Great Britain.—Distr.: Europe: Central Europe, R, S, SF; USSR: CET (Est, Li, Rs).  
*ephippium* (ZETTERSTEDT, 1855): Dipt. Scand., **12**: 4873 (*Ceratopogon*). Type-locality: Öland (Sweden).  
*rubra* KIEFFER, 1919: Annl's hist.-nat. Mus. natn. hung., **17**: 101 (*Palpomyia*). Type-locality: Felsőbánya (Roumania).  
*flaviscutellum* KIEFFER, 1919: Annl's hist.-nat. Mus. natn. hung., **17**: 103 (*Palpomyia*). Type-locality: Felsőbánya (Roumania).  
*ruficornis* GOETGHEBUER, 1934: Bull. Annl's Soc. r. ent. Belg., **74**: 289 (*Palpomyia*, as var. of *distincta*). Type-locality: Europe.
- fergana** REMM, 1976: Loodusuur. Seltsi Aastar., **64**: 183 (*Palpomyia*). Type-locality: Arslanbob (Kirghiz SSR).—Distr.: USSR: SMA (Ki).
- flavipectus** KIEFFER, 1918: Annl's hist.-nat. Mus. natn. hung., **16**: 59 (*Palpomyia*).



- Type-localities: "Les Sources; Ain Draham" (Tunis).—Distr.: North Africa: Tunisia.
- flavipes** (MEIGEN, 1804): Klass. Beschr., 1: 28 (*Ceratopogon*). Type-locality: not given.—Distr.: Europe; USSR: NET, CET, SET, TC (Arm, Ge), KZ, FE; Canary Is.
- hortulana* (MEIGEN, 1818): Syst. Beschr., 1: 81 (*Ceratopogon*). Type-locality: not given.
- semifumosa* GOETGHEBUER, 1922: Bull. Soc. ent. Belg., 4: 58 (*Palpomyia*, "new name" for *Palpomyia hortulana*: GOETGHEBUER 1920: 82).
- flavitaris** (MEIGEN, 1838): Syst. Beschr., 7: 20 (*Ceratopogon*). Type-locality: not given.—Distr.: Europe: D, DK, SF.
- flavitibialis** SANTOS ABREU, 1918: Mem. R. Acad. Cienc. Artes Barcelona, 14(2): 325 (*Palpomyia*, as var. of *flavipes* MEIGEN). Type-locality: La Palma.—Distr.: Canary Is.
- flaviventris** (CZERNY et STROBL, 1909): Verh. zool.-bot. Ges. Wien, 59: 130 (*Ceratopogon*, as var. of *flavipes* MEIGEN). Type-locality: Algeciras (Spain).—Distr.: Europe: E.
- flavoscutellata** (STROBL, 1900): Wien. ent. Ztg, 19: 170 (*Ceratopogon*, as var. of *flavipes* MEIGEN). Type-locality: Algeciras (Spain).—Distr.: Europe: E.
- fulva** (MACQUART, 1826): Mém. Soc. Sci. Agric. Lille, 1823–1824: 181 (*Ceratopogon*). Type-locality: North France.—Distr.: Central Europe; USSR: TC (Ge); Asia: Japan.
- ferruginea* (MEIGEN, 1830): Syst. Beschr., 6: 265 (*Ceratopogon*). Type-locality: "Kopenhagen" (Denmark).
- parviforceps* KIEFFER, 1925: Faune de France, 11: 98 (*Palpomyia*, new name for *Ceratopogon spinipes*: WINNERTZ, 1852: 55).
- fulvescens** KIEFFER, 1919: Annl. hist.-nat. Mus. natn. hung., 17: 100 (*Palpomyia*). Type-locality: Orsova (Roumania).—Distr.: Europe: R.
- fuscipectus** KIEFFER, 1918: Annl. hist.-nat. Mus. natn. hung., 16: 60 (*Palpomyia*). Type-locality: Les Chenes (Tunis).—Distr.: North Africa: Tunisia.
- atrimanus* KIEFFER, 1918: Annl. hist.-nat. Mus. natn. hung., 16: 60 (*Palpomyia*). Type-locality: Les Chenes (Tunis).
- globulifera** REMM, 1971: Живая природа Дальнего Востока: 211 (*Palpomyia*). Type-locality: Novo-Hatunichi, Shkotovo district, Primorye region.—Distr.: USSR: WS (Altay), ES, FE.
- grossipes** GOETGHEBUER, 1920: Mém. Mus. r. Hist. nat. Belg., 8(3): 88 (*Palpomyia*). Type-locality: "Bois du Rabais, près de Virton" (Belgium).—Distr.: Europe: B, GB, H; USSR: TC (Ge).
- indistincta** REMM, 1976: Loodusuur. Seltsi Aastar., 64: 180 (*Palpomyia*). Type-locality: Yuzhno-Kurils (Kunashir).—Distr.: USSR: FE (Sakhalin, Kunashir).
- infuscata** KIEFFER, 1919: Annl. hist.-nat. Mus. natn. hung., 17: 104 (*Palpomyia*). Type-locality: Gombaszög (Czechoslovakia).—Distr.: Europe: CS, D, H, YU; USSR: CET (Rs), SMA (Tj).

- kirgizica** GLUKHOVA, 1979: Ent. Obozr., **58**(1): 161 (*Palpomyia*). Type-locality: Issyk-kul (Kirghiz SSR).—Distr.: USSR: SMA (Ki).
- korni** HAVELKA, 1980: Decheniana, **133**: 89 (*Palpomyia*). Type-locality: Bonn, Annaberger Bach.—Distr.: Europe: D.
- kyotoensis** TOKUNAGA, 1939: Tenthredo, **2**(3): 312 (*Palpomyia*). Type-locality: Kiyotaki, Kyoto.—Distr.: Asia: Japan.
- lacteipennis** REMM, 1976: Loodusuur. Seltsi Aastar., **64**: 183 (*Palpomyia*). Type-locality: vic. Yuzhno-Kurilsk (Kunashir).—Distr.: USSR: FE.
- lineata** (MEIGEN, 1804): Klass. Besch., **1**: 30 (*Ceratopogon*). Type-locality: not given.—Distr.: North and Central Europe, I, YU; USSR: forest zone; Asia: Mongolia; North America.
- cinerea* (MACQUART, 1826): Mém. Soc. Sci. Agric. Lille, **1823–1824**: 177 (*Ceratopogon*). Type-locality: North France.
- binotata* (STAEGER, 1839): Naturh. Tidsskr., **2**: 596 (*Ceratopogon*). Type-locality: Denmark.
- algarum* KIEFFER in KIEFFER and THIENEMANN, 1908: Z. wiss. InsektBiol., **4**: 1 (*Palpomyia*). Type-locality: Hamburg [D].
- winnertzi* KIEFFER, 1914: Arch. Hydrobiol. Suppl., **2**(1): 238 (*Palpomyia*). Type-locality: Weissig in Sachsen [DDR].
- octasema* KIEFFER 1914: Arch. Hydrobiol. Suppl., **2**(1): 239 (*Palpomyia*). Type-locality: Münster [D].
- spinossissima* KIEFFER, 1915: Ent. Meddr, **10**: 285 (*Palpomyia*). Type-locality: Denmark.
- unifasciata* KIEFFER, 1922: Annl. Soc. scient. Brux., **42**: 72 (*Palpomyia*). Type-locality: Goding (Czechoslovakia).
- murina* KIEFFER, 1925: Arch. Inst. Pasteur Algér., **3**: 426 (*Palpomyia*). Type-locality: Berlin, lac Wannsee [D]. A junior primary homonym of *Palpomyia murina* KIEFFER, 1922: Annl. Soc. linn. Lyon, **68**: 160 (Taiwan).
- obesa* GOETGHEBUER, 1927: Annl. Biol. lacustre, **15**: 94 (*Palpomyia*). Type-localities: Destelbergen, Posten (Belgium).
- nigrotibialis* GOETGHEBUER, 1933: Bull. Annl. Soc. r. ent. Belg., **73**: 69 (*Palpomyia*, as var. of *lineata*). Type-locality: Destelbergen (Belgium).
- edwardsi* DE MEIJERE, 1946: Tijdschr. Ent., **87**: 10 (*Palpomyia*). Type-locality: Naardermeer (Netherlands). A junior primary homonym of *Palpomyia edwardsi* COCKERELL, 1921: Ann. Mag. nat. Hist., (9) **7**: 469.
- stagnalis* CLASTRIER, 1962: Arch. Inst. Pasteur Algér., **40**(2–3): 274 (*Palpomyia*). Type-locality: Etang de Hasselfurth (Moselle) (France).
- longa** REMM, 1976: Loodusuur. Seltsi Aastar., **64**: 189 (*Palpomyia*). Type-locality: Haragouli (Georgian SSR).—Distr.: USSR: TC (Ge).
- lundstroemi** REMM, 1981: ENSV TA Toim., biol., **30**(1): 31 (*Palpomyia*, new name for *P. bispinosa* LUNDSTRÖM, 1916, a junior primary homonym of *Palpomyia bispinosa* KIEFFER, 1915).—Distr.: Europe: DK, SF.

- bispinosa* LUNDSTRÖM, 1916: Acta Soc. Fauna Flora fenn., **44**(2): 15 (*Palpomyia*). Type-locality: Palojoensuu, Enontekis (Finland).
- luteifemorata* EDWARDS, 1926: Trans. R. ent. Soc. Lond., **74**: 419 (*Palpomyia*). Type-locality: Cambridge (Great Britain).—Distr.: Europe: B, D, GB; USSR: CET (Est).
- luteiventris* SANTOS ABREU, 1918: Mem. R. Acad. Cienc. Artes Barcelona, **14**(2): 326 (*Palpomyia*, as var. of *flavipes* MEIGEN). Type-locality: La Palma.—Distr.: Canary Is.
- macracantha* CLASTRIER, 1962: Archs Inst. Pasteur Algér., **40**(2-3): 252 (*Palpomyia*). Type-locality: La Fare (Basses-Alpes) (France).—Distr.: Europe: E, F.
- magnispinosa* CLASTRIER, 1962: Archs Inst. Pasteur Algér., **40**(2-3): 250 (*Palpomyia*). Type-locality: Villeneuve-Loubet (Alpes-Maritimes) (France).—Distr.: Europe: F.
- melacheira* REMM, 1976: Loodusuur. Seltsi Aastar., **64**: 186 (*Palpomyia*). Type-locality: Tymovskoye (Sakhalin).—Distr.: USSR: FE.
- micans* KIEFFER, 1918: Anns hist.-nat. Mus. natn. hung., **16**: 61 (*Palpomyia*). Type-locality: Bel Mehtia.—Distr.: North Africa: Tunisia.
- montana* TOKUNAGA, 1939: Tenthredo, **2**(3): 304 (*Palpomyia*). Type-locality: Kamikoti, Nagano-ken (Japan).—Distr.: Asia: Japan (Honshu, Kyushu).
- monticola* TOKUNAGA, 1939: Tenthredo, **2**(3): 306 (*Palpomyia*). Type-locality: Mount Daisen, Tottori-ken (Japan).—Distr.: Asia: Japan.
- morenae* (STROBL, 1900): Wien. ent. Ztg, **19**: 170 (*Ceratopogon*). Type-locality: S. Morena (Spain).—Distr.: Europe: E.
- nana* ZILAHÍ-SEBESS, 1934: Bull. Soc. ent. Bulg., **8**: 157 (*Palpomyia*). Type-locality: Werschetz (Bulgaria).—Distr.: Europe: BG.
- nigridorsum* KIEFFER, 1919: Anns hist.-nat. Mus. natn. hung., **17**: 111 (*Palpomyia*). Type-locality: Szuchahora (USSR, Carpathians).—Distr.: Europe: CS, H; USSR: SET (Carpathians).
- nigrina* CLASTRIER, 1962: Archs Inst. Pasteur Algér., **40**(2-3): 226 (*Palpomyia*). Type-locality: Villeneuve-Loubet (Alpes Maritimes) (France).—Distr.: Europe: F.
- nigripalpis* GOETGHEBUER, 1934: 13a. Heleidae, Fliegen pal. Reg., **3**: 91 (*Palpomyia*). Type-locality: Algeciras (Spain).—Distr.: Europe: E.
- nigripectus* KIEFFER, 1919: Anns hist.-nat. Mus. natn. hung., **17**: 108 (*Palpomyia*). Type-locality: Árvaváralja (Czechoslovakia).—Distr.: Europe: CS, D, F, GR, H, YU; Asia: Turkey.
- nigripes* (MEIGEN, 1830): Syst. Besch., **6**: 265 (*Ceratopogon*). Type-locality: not given (?Aachen).—Distr.: Europe: B, CS, D, DDR, F, GB, NL; USSR: CET (Rs).
- pratensis* (MEIGEN, 1830): Syst. Besch., **6**: 264 (*Ceratopogon*). Type-locality: not given (? Aachen).



- bryocrypta* KIEFFER, 1925: Archs Inst. Pasteur Algér., **3**: 425 (*Palpomyia*).  
Type-locality: Bitche (France).
- nigritarsalis* REMM, 1976: Loodusuur. Seltsi Aastar., **64**: 185 (*Palpomyia*). Type-locality: Arkit (Kirghiz SSR).—Distr.: Europe: E; USSR: TC (Arm), SMA (Ki, Tj).
- nigrotibialis* REMM, 1976: Loodusuur. Seltsi Aastar., **64**: 183 (*Palpomyia*). Type-locality: Arkit (Kirghiz SSR).—Distr.: USSR: SMA (Ki).
- obscura* CLASTRIER, 1962: Archs Inst. Pasteur Algér., **40**(2-3): 270 (*Palpomyia*). Type-locality: Ailefroide dans Vallouise (France).—Distr.: Europe: F.
- panacantha* CLASTRIER, 1962: Archs Inst. Pasteur Algér., **40**(2-3): 270 (*Palpomyia*). Type-locality: La Fare près de Reillanne (France).—Distr.: Europe: F.
- polyacantha* CLASTRIER, 1962: Archs Inst. Pasteur Algér., **40**(2-3): 268 (*Palpomyia*). Type-locality: Chastillon (France).—Distr.: Europe: F.
- praeusta* (LOEW, 1869): Ber. naturhist. Ver. Augsburg, **20**: 50 (*Ceratopogon*). Type-locality: Augsburg [D].—Distr.: Europe: A, B, CS, D, DDR, GB, H, YU; USSR: TC (Ge).
- apicalis* (STROBL, 1898): Glasn. zemalj. Mus. Bosni Herceg., **10**: 612 (*Ceratopogon*, as var. of *flavipes* MEIGEN); a junior primary homonym of *Ceratopogon apicalis* VON ROSER, 1840. Type-locality: Yugoslavia.
- terminalis* KIEFFER, 1919: Annl. hist.-nat. Mus. natn. hung., **17**: 103 (*Palpomyia*). Type-locality: Árvaváralja (Czechoslovakia).
- schineri* GOETGHEBUER, 1920: Mém. Mus. r. Hist. nat. Belg., **8**(3): 82 (*Palpomyia*, as var. of *flavipes* MEIGEN). Type-localities: Virton, Hockai (Belgium).
- pruinulosa* REMM, 1976: Loodusuur. Seltsi Aastar., **64**: 178 (*Palpomyia*). Type-locality: Sukhumi (Georgian SSR).—Distr.: USSR: TC (Ge).
- puberula* REMM, 1976: Loodusuur. Seltsi Aastar., **64**: 196 (*Palpomyia*). Type-locality: Sangaste (Estonian SSR).—Distr.: Europe: D; USSR: CET (Est), FE (Sakhalin, Kunashir).
- pungens* KIEFFER, 1901: Bull. Soc. Hist. nat. Moselle, **21**: 163 (*Palpomyia*). Type-locality: Bitche (France).—Distr.: Europe: F.
- quadrispinosa* GOETGHEBUER, 1920: Mém. Mus. r. Hist. nat. Belg., **8**(3): 83 (*Palpomyia*). Type-locality: Bois du Rabais, près de Virton (Belgium).—Distr.: Europe: B, GB, NL.
- quadristriata* (STROBL, 1910): Mitt. naturw. Ver. Steierm., **46**: 263 (*Ceratopogon*). Type-locality: Admont (Austria).—Distr.: Europe: A.
- raignieri* GOETGHEBUER, 1931: Bull. Annl. Soc. r. ent. Belg., **71**: 211 (*Palpomyia*). Type-locality: "bois de Munte" (Belgium).—Distr.: Europe: B.
- remmi* HAVELKA, 1974: Annl. Parasit. hum. comp., **49**(5): 622 (*Palpomyia*). Type-locality: Breitenbach, Schlitz, Hessen (D).—Distr.: Europe: D; USSR: CET (Est).
- reversa* REMM, 1972: Tartu Ülik. Metsaosak. Toim., **293**: 83 (*Palpomyia*). Type-



- locality: Kan steppe (Altay).—Distr.: USSR: KZ, SMA (Ki, Tj), WS (Altay); Asia: Mongolia.
- riouxi** W. et N. HUTTEL, 1951: Entomologiste, 7(4-5): 99 (*Palpomyia*). Type-locality: Rambouillet (France).—Distr.: Europe: F.
- rossica** REMM, 1965: Ent. Obozr., 44(1): 186 (*Palpomyia*). Type-locality: Anna (Voronezh region).—Distr.: USSR: CET (Rs).
- rufipes** (MEIGEN, 1818): Syst. Besch., 1: 81 (*Ceratopogon*). Type-locality: not given.—Distr.: Europe; USSR: NET, CET, WS, ES, FE; Asia: Mongolia.
- spiniosior* KIEFFER, 1919: Anns hist.-nat. Mus. natn. hung., 17: 106 (*Palpomyia*). Type-locality: Szuchahora (USSR, Carpathians).
- pseudospinipes* GOETGHEBUER, 1933: Bull. Anns Soc. r. ent. Belg., 73: 112 (*Palpomyia*). Type-locality: Jakovlevka, Primorye region (USSR).
- plurispinosa* CLASTRIER, 1962: Archs Inst. Pasteur Algér., 40(2-3): 265 (*Palpomyia*). Type-locality: Mutterhouse (Moselle) (France).
- schmidti** GOETGHEBUER, 1934: Arb. morph. taxon. Ent. Berl., 1(1): 36 (*Palpomyia*). Type-locality: Basra (Iraq).—Distr.: Asia: Iraq.
- semiermis** GOETGHEBUER, 1914: Anns Biol. lacustre, 7: 190 (*Palpomyia*). Type-locality: Tronchiennes (Belgium).—Distr.: Europe: B.
- goetghebueri* KIEFFER, 1919: Anns hist.-nat. Mus. natn. hung., 17: 98 (*Palpomyia*). Type-locality: Gand (Belgium).
- seneveti** CLASTRIER, 1962: Archs Inst. Pasteur Algér., 40(2-3): 239 (*Palpomyia*). Type-locality: Trappe de Staouéli (Algeria).—Distr.: North Africa: Algeria.
- serripes** (MEIGEN, 1818): Syst. Besch., 1: 82 (*Ceratopogon*). Type-locality: not given.—Distr.: North and Central Europe; USSR: NET, CET, SET (Rs), TC (Ge, Am), WS, FE; Asia: Japan; North Africa: Tunisia.
- tarsata* (ZETTERSTEDT, 1855): Dipt. Scand., 12: 4874 (*Ceratopogon*). Type-locality: Öland (Sweden).
- ruficeps* KIEFFER, 1918: Anns hist.-nat. Mus. natn. hung., 16: 59 (*Palpomyia*). Type-locality: Bel-Mehtia (Tunisia).
- sinanoensis** TOKUNAGA, 1939: Tenthredo, 2(3): 300 (*Palpomyia*). Type-locality: Kamikoti, Nagano-ken (Japan).—Distr.: USSR: FE (Sakhalin); Asia: Japan (Honshu).
- spinipes** (PANZER, 1806): Fauna insect. germ., Fasc. 103: 14 (*Ceratopogon*). Type-locality: Germany.—Distr.: North and Central Europe; USSR: taiga zone.
- pubescens* KIEFFER, 1919: Anns hist.-nat. Mus. natn. hung., 17: 105 (*Palpomyia*). Type-locality: Szuchahora (USSR, Carpathians).
- crassipes* GOETGHEBUER, 1920: Mém. Mus. r. Hist. nat. Belg., 8(3): 112 (*Palpomyia*). Type-locality: Hockai (Belgium).
- turfacea* KIEFFER, 1925: Beitr. Kunde Estlands, 10(4/5): 155 (*Palpomyia*). Type-locality: "Ostpreussen, Zehlau-Moor" (USSR, Kaliningrad region).

- terrea** (MEIGEN, 1818): Syst. Besch., 1: 85 (*Ceratopogon*). Type-locality: Berlin.—  
Distr.: Europe: DDR; USSR: CET (Est, Li, Uk).
- oldenbergi** GOETGHEBUER, 1932: Bull. Anns Soc. r. ent. Belg., 72: 127  
(*Palpomyia*). Type-locality: Berlin.
- tibialis** (MEIGEN, 1818): Syst. Besch., 1: 82 (*Ceratopogon*). Type-locality:  
Austria.—Distr.: North and Central Europe; USSR: NET, CET, SET,  
TC (Az, Ge), KZ, SMA (Tj), ES, FE; Asia: Japan, North China; North  
America.
- atripectus** KIEFFER, 1919: Anns hist.-nat. Mus. natn. hung., 17: 101  
(*Palpomyia*). Type-localities: Gyón (Hungary), Deliblat (Yugoslavia).
- laticollis** GOETGHEBUER, 1922: Anns Biol. lacustre, 11(1): 55 (*Palpomyia*).  
Type-locality: Destelbergen (Belgium).
- nipponica** TOKUNAGA, 1939: Tenthredo, 2(3): 297 (*Palpomyia*). Type-locality:  
Ikeda, Osaka (Japan).
- tinctipennis** KIEFFER, 1919: Anns hist.-nat. Mus. natn. hung., 17: 110 (*Palpomyia*).  
Type-locality: Felső-Lövő (Austria).—Distr.: Europe: A, CS, DDR, E,  
F, H, I, YU; USSR: CET (Li, Uk).
- obscuripennis** KIEFFER, 1919: Anns hist.-nat. Mus. natn. hung., 17: 110  
(*Palpomyia*). Type-locality: Plitvica (Yugoslavia).
- adusta** KIEFFER, 1925: Archs Inst. Pasteur Algér., 3: 426 (*Palpomyia*). Type-  
locality: Jena [DDR].
- nigritella** CLASTRIER, 1962: Archs Inst. Pasteur Algér., 40(2-3): 255 (*Pal-  
pomyia*). Type-locality: La Fare (France).
- vallouisensis** CLASTRIER, 1962: Archs Inst. Pasteur Algér., 40(2-3): 272 (*Palpomyia*).  
Type-locality: Vallouise (France).—Distr.: Europe: F.
- variipilus** KIEFFER, 1924: Archs Inst. Pasteur Algér., 2(3): 407 (*Palpomyia*). Type-  
locality: Rügen Is. [DDR].—Distr.: Europe: D, DDR.
- venetiae** HARANT, W. HUTTEL et N. HUTTEL, 1952: Bull. Soc. ent. Fr., 57(1): 14  
(*Palpomyia*). Type-locality: Lag. Veneta (Italy).—Distr.: Europe: I.
- vittata** CLASTRIER, RIOUX et DESCOURS, 1961: Archs Inst. Pasteur Algér., 39(1): 78  
(*Palpomyia*). Type-locality: Enneri Boussana (Nord-Tchad).—Distr.:  
North Africa: Algeria; Central Africa.
- xanthothorax** REMM, 1976: Loodusuur. Seltsi Aastar., 64: 180 (*Palpomyia*). Type-  
locality: Chirgatal (Tajik SSR).—Distr.: USSR: SMA (Tj).
- yasumatsui** TOKUNAGA, 1940: Tenthredo, 3: 158 (*Palpomyia*). Type-locality: Mt.  
Hikosan, Kyushu (Japan).—Distr.: Asia: Japan.
- zernyi** GOETGHEBUER, 1934: 13a. Heleidae, Fliegen pal. Reg., 3: 92 (*Palpomyia*).  
Type-locality: Algeciras (Spain).—Distr.: Europe: E, YU.

### **Bezzia** KIEFFER, 1899

KIEFFER, 1899: Bull. Soc. ent. Fr., 1899: 69.

Type-species: *Ceratopogon ornatus* MEIGEN, 1830: Syst. Besch., 6: 262 (orig.  
des.).

*Lasiobezzia* KIEFFER, 1925: Anns Soc. ent. Fr., **94**: 54. Type-species: *Bezzia pilipennis* LUNDSTRÖM, 1916: Naturw. Unters. Sarekgebirg., **4**(6): 674 (orig. des.).

*Homobezzia* MACFIE, 1932: see below as subgenus.

*Phaenobezzia* HAESELBARTH, 1965: see below as subgenus.

*Sivabezzia* REMM, 1974: see below as subgenus.

*Pygobezzia* REMM, 1974: see below as subgenus.

### Subgenus HOMOBEZZIA MACFIE, 1932

MACFIE, 1932: Ann. nat. Hist., (10) **9**: 496.

Type-species: *Homobezzia nyasae* MACFIE, 1932: l.c.: 497 (mon.); not Palaearctic.

**affinis** (STAEGER, 1839): Naturh. Tidsskr., **2**: 595 (*Ceratopogon*). Type-locality: Denmark.—Distr.: Europe: DDR, DK, S; USSR: NET.

**algeriana** CLASTRIER, 1962: Archs Inst. Pasteur Algér., **40**(1): 89 (*Bezzia*). Type-locality: Biskra (Algeria).—Distr.: North Africa: Algeria.

**annulipes** (MEIGEN, 1830): Syst. Besch., **6**: 264 (*Ceratopogon*). Type-locality: not given.—Distr.: Europe; USSR: NET, CET, SET, KZ, SMA (Ki), WS, ES, FE; Asia: Mongolia, Japan; North America.

*bidentata* KIEFFER, 1901: Bull. Soc. Hist. nat. Moselle, **21**: 162 (*Bezzia*). Type-locality: Bitche (France).

*fossicola* KIEFFER, 1912: Bull. Soc. ent. Fr., **1912**(4): 102 (*Bezzia*). Type-locality: Germany.

*ploenensis* KIEFFER, 1921: Bull. Soc. Hist. nat. Moselle, **29**: 62 (*Bezzia*). Type-locality: Plön [D].

*media* KIEFFER, 1925: Faune de France, **11**: 126 (*Bezzia*, new name for *Bezzia solstitialis*: GOETGHEBUER, 1914, not WINNERTZ (misidentification); a junior primary homonym of *Bezzia media* COQUILLET, 1904). Type-locality: Belgium.

*phragmitis* KIEFFER, 1925: Archs Inst. Pasteur Algér., **3**(4): 428 (*Bezzia*). Type-locality: "Nord de l'Allemagne lac de Trammer".

*kyotoensis* TOKUNAGA, 1939: Tenthredo, **2**(3): 282 (*Bezzia*). Type-locality: Kitasi rakawa, Kyoto (Japan).

*sicarti* CLASTRIER, 1962: Archs Inst. Pasteur Algér., **40**(1): 83 (*Bezzia*). Type-locality: Hottviller (Moselle) (France).

**bargaensis** REMM, 1974: Ent. Obozr., **53**(2): 436 (*Bezzia*). Type-locality: Uurtu-Nor lake, Chita obl. (USSR).—Distr.: USSR: ES.

**bicolor** (MEIGEN, 1804): Klass. Besch., **1**: 31 (*Ceratopogon*). Type-locality: not given.—Distr.: Central Europe; USSR: NET, CET (Est, Li, Rs), SET (Uk), WS, ES, FE; North America.

*typhae* (KIEFFER, 1919): Anns hist.-nat. Mus. natn. hung., **17**: 130 (*Probezzi*a). Type-locality: "Bohême" (Czechoslovakia).



- brehmiana* (KIEFFER, 1924): Bull. Soc. Hist. nat. Moselle, **30**: 22 (*Probezzia*).  
Type-locality: Austria.
- algarum* (ZILAHÍ-SEBESS, 1930): Arb. ung. biol. ForschInst., **3**(1): 197 (*Probezzia*). Type-locality: Tihany (Hungary).
- rufithorax* GOETGHEBUER, 1933: Bull. Anns Soc. r. ent. Belg., **72**: 287 (*Bezzia*).  
Type-locality: Plön [D].
- blandiata** REMM, 1967: Tartu Ülik. Metsaosak. Toim., **194**: 32 (*Bezzia*). Type-locality: Kuheti (Azerbaijan SSR).—Distr.: USSR: TC (Az, Ge), SMA (Ki, Uz).
- bohémica** KIEFFER, 1919: Anns hist.-nat. Mus. natn. hung., **17**: 118 (*Bezzia*). Type-locality: "Bohême" (Czechoslovakia).—Distr.: Europe: CS.
- boiémica** KIEFFER, 1922: Anns Soc. scient. Brux., **42**(1): 73 (*Bezzia*, as var. of *taeniata* HALIDAY). Type-locality: Koeniggrätz (Czechoslovakia).—Distr.: Europe: CS.
- bresi** W. et N. HUTTEL, 1951: Entomologiste, **7**(4/5): 102 (*Bezzia*). Type-locality: Rambouillet (France).—Distr.: Europe: F.
- diagramma** KIEFFER, 1925: Archs Inst. Pasteur Algér., **3**(4): 428 (*Bezzia*). Type-locality: "Silesie" (Poland).—Distr.: Europe: PL.
- fascispina** CLASTRIER, 1962: Archs Inst. Pasteur Algér., **40**(1): 91 (*Bezzia*). Type-locality: Étang de Hasselfurth (Moselle) (France).—Distr.: Europe: F, GB; USSR: CET (Li), WS (Altay), FE (Primorye region); North America.
- sexstrigata* REMM, 1971: Живая природа Дальнего Востока: 213 (*Bezzia*).  
Type-locality: Lefu river., Tshernigov district, Primorye region.
- fenestrata** CLASTRIER, 1962: Archs. Inst. Pasteur Algér., **40**(1): 86 (*Bezzia*). Type-locality: "France, La Fare, près de Reillanne (Basses-Alpes)".—Distr.: Europe: F.
- flava** TOKUNAGA, 1939: Tenthredo, **2**(3): 292 (*Bezzia*). Type-locality: Karo, Tottori-ken, Honshu (Japan).—Distr.: Asia: Japan.
- fuscifemoris** REMM, 1971: Живая природа Дальнего Востока: 216 (*Bezzia*). Type-locality: Kedrovka river, Primorye region (USSR).—Distr.: USSR: FE.
- griseata** REMM, 1972: Tartu Ülik. Metsaosak. Toim., **293**: 85 (*Bezzia*). Type-locality: Kyren (Buryat ASSR).—Distr.: USSR: ES, FE (Sakhalin).
- hoggarensis** CLASTRIER, 1962: Archs Inst. Pasteur Algér., **40**(1): 81 (*Bezzia*). Type-locality: In Amguel (massif du Hoggar) (Algeria).—Distr.: North Africa: Algeria.
- japonica** TOKUNAGA, 1933: Tenthredo, **2**(3): 280 (*Bezzia*). Type-locality: Simogamo, Kyoto, Honshu (Japan).—Distr.: USSR: WS (Altay), ES, FE; Asia: Japan; North America.
- kiefferiana** GOETGHEBUER, 1934: 13a. Heleidae, Fliegen pal. Reg., **3**: 80 (*Bezzia*).  
Type-locality: Germania.—Distr.: Europe: D.
- kuhetiensis** REMM, 1967: Tartu Ülik. Metsaosak. Toim., **194**: 33 (*Bezzia*). Type-locality: Kuheti (Azerbaijan SSR).—Distr.: USSR: SET (Uk), TC (Az), KZ, SMA (Ki, Tj, Tu).



- latipalpis** CLASTRIER, 1962: Archs Inst. Pasteur Algér., **40**(1): 106 (*Bezzia*). Type-locality: Saint-Germain (Tunisia).—Distr.: North Africa: Tunisia.
- leucogaster** (ZETTERSTEDT, 1850): Dipt. Scand., **9**: 3659 (*Ceratopogon*). Type-locality: Scania (South Sweden).—Distr.: Europe: E, S.
- multiannulata** (STROBL, 1905): Mem. R. Soc. esp. Hist. nat., **3**(5): 400 (*Ceratopogon*). Type-locality: Alicante (Spain).—Distr.: Europe: B, E, GB.
- multispinosa** CLASTRIER, 1962: Archs Inst. Pasteur Algér., **40**(1): 77 (*Bezzia*). Type-locality: Arharhar (Algeria).—Distr.: North Africa: Algeria.
- nodosipes** (KIEFFER, 1924): Bull. Soc. Hist. nat. Moselle, **30**: 22 (*Probezzia*). Type-locality: Austria.—Distr.: Europe: A.
- palustris** CLASTRIER, 1962: Archs Inst. Pasteur Algér., **40**(1): 94 (*Bezzia*). Type-locality: Étang de Hasselfurth (Moselle) (France).—Distr.: Europe: F.
- prospicula** REMM, 1974: Ent. Obozr., **53**(2): 435 (*Bezzia*). Type-locality: Arslanbob (Kirghiz SSR).—Distr.: USSR: SMA (Ki, Tj, Uz).
- rufescens** REMM, 1971: Живая природа Дальнего Востока: 213 (*Bezzia*). Type-locality: Santaheza, Primorye region (USSR).—Distr.: USSR: FE.
- sevanica** REMM, 1974: Ent. Obozr., **53**(2): 438 (*Bezzia*). Type-locality: Basargetshar, Sevan lake (Armenian SSR).—Distr.: USSR: TC (Arm).
- solstitialis** (WINNERTZ, 1852): Linn. ent., **6**: 78 (*Ceratopogon*). Type-locality: Crefeld [D].—Distr.: North and Central Europe: USSR: CET, KZ, WS (Tomsk); Canary Is.; North America.
- hydrophila* KIEFFER, 1909: Bull. Soc. Hist. nat. Moselle, **26**: 38 (*Bezzia*). Type-locality: Dortmund [D].
- sieberti* KIEFFER, 1921: Anns Soc. scient. Brux., **40**: 277 (*Bezzia*). Type-locality: Liepaya (Latvian SSR).
- aquatilis* GOETGHEBUER, 1923: Anns Biol. lacustre, **12**: 105 (*Bezzia*). Type-locality: Postel (Belgium).
- stagnalis* KIEFFER, 1925: Faune de France, **11**: 129 (*Bezzia*, as var. of *hydrophila*). Type-locality: Rhenanie [D].
- taeniata** (HALIDAY in WALKER, 1856): Ins. Brit., Dipt., **3**: 238 (*Ceratopogon*). Type-locality: Toome Bridge, Antrium (Northern Ireland).—Distr.: Europe: D, F, GB.
- brehmii* KIEFFER, 1925: Faune de France, **11**: 129 (*Bezzia*). Type-locality: Bitche (France).
- transitiva** REMM, 1974: Ent. Obozr., **53**(2): 434 (*Bezzia*). Type-locality: Bot. garden (Yakutsk).—Distr.: USSR: ES.
- turkmenica** GLUKHOVA, 1979: Ent. Obozr., **58**(1): 163 (*Bezzia*). Type-locality: Hodja-Kala (Turkmen SSR).—Distr.: USSR: SMA (Tu).
- xanthocephala** GOETGHEBUER, 1911: Revue mens. Soc. ent. namur., **11**: 95 (*Bezzia*). Type-locality: Gand (Belgium).—Distr.: Europe: B, D, DK, GB, H, NL, S, SF; USSR: CET (Est, La), SET, (Uk), TC (Arm), KZ, SMA (Ki), WS (Altay).

- parvidens* KIEFFER, 1914: Arch. Hydrobiol. Suppl., **2**(1): 240 (*Bezzia*). Type-locality: Teich bei Hälsingborg (Sweden).
- picticornis* KIEFFER, 1914: Arch. Hydrobiol. Suppl., **2**(1): 241 (*Bezzia*). Type-locality: Münster i. W. [D].
- danica* KIEFFER, 1915: Ent. Meddr, **10**: 291 (*Bezzia*). Type-locality: Denmark.
- belgica* KIEFFER, 1919: Annl. hist.-nat. Mus. natn. hung., **17**: 120 (*Bezzia*). Type-locality: Gand (Belgium).
- brachycera* KIEFFER, 1919: Annl. hist.-nat. Mus. natn. hung., **17**: 119 (*Bezzia*). Type-locality: Budapest (Hungary).
- grisea* KIEFFER, 1919: Annl. hist.-nat. Mus. natn. hung., **17**: 119 (*Bezzia*). Type-locality: Budapest (Hungary).
- hungarica* ZILAHÍ-SEBESS, 1930: Arb. ung. biol. ForschInst., **3**(1): 201 (*Bezzia*). Type-locality: Tihany (Hungary).
- xanthogaster** KIEFFER, 1919: Annl. hist.-nat. Mus. natn. hung., **17**: 130 (*Bezzia*). Type-locality: Kasan.—Distr.: USSR: CET (Rs), SET (Rs), TC (Az), SMA (Uz), FE.

#### Subgenus PHAENOBEZZIA HAESELBARTH, 1965

- HAESELBARTH, 1965: Z. angew. Zool., **52**(3): 297.  
Type-species: *Probezzia pistiae* INGRAM et MACFIE, 1921: Ann. trop. Med. Parasit., **15**(4): 364 (orig. des.).
- excisa** CLASTRIER, 1962: Archs Inst. Pasteur Algér., **40**(1): 110 (*Bezzia*). Type-locality: Tassili des Ajjer, Ihérir (Algeria).—Distr.: North Africa: Algeria.
- minutistyla** TOKUNAGA, 1939: Tenthredo, **2**(3): 293 (*Bezzia*). Type-locality: Kitasirakawa, Kyoto (Japan).—Distr.: Asia: Japan.
- pistiae** (INGRAM et MACFIE, 1921): Ann. trop. Med. Parasit., **15**(4): 364 (*Probezzia*). Type-locality: Oblogo nr Accra (Ghana).—Distr.: North Africa: Algeria; Afrotropical Region.
- rubiginosa** (WINNERTZ, 1852): Linn. ent., **6**: 72 (*Ceratopogon*). Type-locality: Crefeld [D].—Distr.: Europe: A, B, D, GB, NL; USSR: ES, FE.  
*glyceriae* KIEFFER, 1913: Bull. Soc. Hist. nat. Moselle, **28**: 9 (*Bezzia*). Type-locality: "Westphalie" (Germany).
- nitidiventris* (GOETGHEBUER, 1923): Annl. Biol. lacustre, **12**: 104 (*Probezzia*). Type-locality: Postel (Belgium).
- radialis* GOETGHEBUER, 1936: Bull. Annl. Soc. r. ent. Belg., **76**: 323 (*Bezzia*). Type-locality: Destelbergen (Belgium).
- tenuiforceps** CLASTRIER, 1962: Archs Inst. Pasteur Algér., **40**(1): 109 (*Bezzia*). Type-locality: Tassili des Ajjer, Ihérir (Algeria).—Distr.: North Africa: Algeria.

## Subgenus SIVABEZZIA REMM, 1974

REMM, 1974: Ent. Obozr., **53**(2): 440.

Type-species: *Bezzia campanai* CLASTRIER, 1962: Archs Inst. Pasteur Algér., **40**(1): 103 (orig. des.).

- campanai** CLASTRIER, 1962: Archs Inst. Pasteur Algér., **40**(1): 103 (*Bezzia*). Type-locality: Tassili des Ajjer, Ihérir (Algeria).—Distr.: North Africa: Algeria.
- kitaokai** TOKUNAGA, 1963: Scient. Rep. Kyoto prefect. Univ. Agric., **15**: 46 (*Bezzia*). Type-locality: Kokubunji, Kitatama (Tokyo).—Distr.: Asia: Japan (Honshu).
- pachypyga** REMM, 1974: Ent. Obozr., **53**(2): 441 (*Bezzia*). Type-locality: Pyandz (Tajik SSR).—Distr.: USSR: SMA (Tj, Tu).

## Subgenus BEZZIA KIEFFER, 1899

- acuta** REMM, 1974: Ent. Obozr., **53**(4): 891 (*Bezzia*). Type-locality: Tauri (Estonian SSR).—Distr.: USSR: CET (Est, Li).
- aegyptia** KIEFFER, 1924: Bull. Soc. ent. Égypte, **8**: 264 (*Bezzia*). Type-locality: Suess (Egypt).—Distr.: North Africa: Egypt.
- albipes** (WINNERTZ, 1852): Linn. ent., **6**: 77 (*Ceratopogon*). Type-locality: Crefeld [D].—Distr.: Europe: A, B, D, GB, H, S, SF, YU; USSR: CET, TC (Ge), KZ, ES.
- fusciclava* KIEFFER, 1919: Annl. hist.-nat. Mus. natn. hung., **17**: 121 (*Bezzia*). Type-locality: Székes-Fehérvár (Hungary).
- aldanica** REMM, 1974: Ent. Obzr., **53**(4): 893 (*Bezzia*). Type-locality: Khandyga (Yakut ASSR).—Distr.: USSR: ES, FE.
- amossovi** REMM, 1974: Ent. Obozr., **53**(4): 894 (*Bezzia*). Type-locality: Bot. garden, Yakutsk (Yakut ASSR).—Distr.: USSR: ES.
- angulata** REMM, 1974: Ent. Obozr., **53**(4): 900 (*Bezzia*). Type-locality: Nulvand (Tajik SSR).—Distr.: USSR: SMA (Tj).
- atacina** CLASTRIER, 1962: Archs Inst. Pasteur Algér., **40**(1): 65 (*Bezzia*). Type-locality: Carcassonne (Aude) (France).—Distr.: Europe: F.
- atrifemorata** CLASTRIER, 1962: Archs Inst. Pasteur Algér., **40**(1): 69 (*Bezzia*). Type-locality: Bassin de Réaltor (France).—Distr.: Europe: F.
- atrovittata** REMM, 1972: Tartu Ülik. Metsaosak. Toim., **293**: 87 (*Bezzia*). Type-locality: Kyren (Buryat ASSR).—Distr.: USSR: ES, FE.
- brevipluma** KIEFFER, 1919: Annl. hist.-nat. Mus. natn. hung., **17**: 121 (*Bezzia*). Type-locality: Gyón (Hungary).—Distr.: Europe: H, YU.
- corvina** REMM, 1974: Ent. Obozr., **53**(4): 902 (*Bezzia*). Type-locality: Yuzhno-Sakhalinsk (Sakhalin).—Distr.: USSR: FE (Sakhalin, Kunashir).
- curtiforceps** GOETGHEBUER, 1929: Bull. Annl. Soc. r. ent. Belg., **68**: 233 (*Bezzia*). Type-locality: Houyet (Belgium).—Distr.: Europe: B, NL.



- cyrtonotum** REMM, 1974: Ent. Obozr., **53**(4): 898 (*Bezzia*). Type-locality: Yavroz (Tajik SSR).—Distr.: USSR: SMA (Tj).
- elongata** ZILAHÍ-SEBESS, 1940: Folia ent. hung., **5**: 101 (*Bezzia*). Type-locality: Szomód (Hungary).—Distr.: Europe: H; USSR: CET (Est), ES.
- exclamationis** KIEFFER, 1918: Anns hist.-nat. Mus. natn. hung., **16**: 61 (*Bezzia*). Type-localities: Carthage, Djebel Djeloud (Tunisia).—Distr.: North Africa: Tunisia.
- exigua** GOETGHEBUER, 1935: Encycl. ent. (B II) Dipt., **8**: 4 (*Bezzia*). Type-locality: Sy (Belgium).—Distr.: Europe: B.
- flavicornis** (STAEGER, 1839): Naturh. Tidsskr., **2**: 599 (*Ceratopogon*). Type-locality: Denmark.—Distr.: Central Europe; USSR: CET, SET, TC, SMA (Ki), ES, FE.
- flavipalpis* (WINNERTZ, 1852): Linn. ent., **6**: 80 (*Ceratopogon*). Type-locality: Crefeld [D].
- flavipluma* KIEFFER, 1919: Anns hist.-nat. Mus. natn. hung., **17**: 126 (*Bezzia*). Type-locality: Tátraháza (Czechoslovakia).
- spinifera* GOETGHEBUER, 1920: Mém. Mus. r. Hist. nat. Belg., **8**(3): 106 (*Bezzia*). Type-locality: Destelbergen (Belgium).
- spinosula* CLASTRIER, 1962: Archs Inst. Pasteur Algér., **40**(1): 100 (*Bezzia*). Type-locality: Salon-de-Provence à Arles (France).
- flavipennis** TOKUNAGA, 1939: Tenthredo, **2**(3): 290 (*Bezzia*). Type-locality: Kitasirakawa, Kyoto (Japan).—Distr.: USSR: FE; Asia: Japan (Honshu).
- spinosa* TOKUNAGA, 1940: Tenthredo, **3**: 161 (*Bezzia*). Type-locality: Wakayama-si, Honshu (Japan).
- gandavensis** GOETGHEBUER, 1935: Encycl. ent. (B II) Dipt., **8**: 4 (*Bezzia*). Type-locality: Gand (Belgium).—Distr.: Europe: B.
- gracilipes** (WINNERTZ, 1852): Linn. ent., **6**: 72 (*Ceratopogon*). Type-locality: Crefeld [D].—Distr.: Europe: A, CS, D, GB, H.
- hissarica** REMM, 1974: Ent. Obozr., **53**(4): 891 (*Bezzia*). Type-locality: Tigrovaya balka (Tajik SSR).—Distr.: USSR: SMA (Tj).
- kazlauskasi** REMM, 1966: Tartu Ülik. Metsaosak. Toim., **180**: 67 (*Bezzia*). Type-locality: Payuris (Lithuanian SSR).—Distr.: Europe: D; USSR: CET (Est, Li).
- kurensis** REMM, 1967: Tartu Ülik. Metsaosak. Toim., **194**: 34 (*Bezzia*). Type-locality: Kukheti (Azerbaijan SSR).—Distr.: USSR: TC (Az).
- melanoflavida** CLASTRIER et WIRTH, 1961: Archs Inst. Pasteur Algér., **39**(2): 205 (*Bezzia*). Type-locality: Kankiya (Nigeria).—Distr.: North Africa: Algeria; Afrotropical Region (Nigeria).
- minuta** REMM, 1974: Ent. Obozr., **53**(4): 895 (*Bezzia*). Type-locality: Arkit (Kirghiz SSR).—Distr.: USSR: SMA (Ki).
- monacantha** KIEFFER, 1925: Archs Inst. Pasteur Algér., **3**: 427 (*Bezzia*). Type-locality: "Prusse orientale; hauts plateaux tourbeux de Zehlau" (USSR: Kaliningrad obl., Zehlau Moor).—Distr.: USSR: CET.



- mongolica** REMM, 1972: Tartu Ülik. Metsaosak. Toim., **293**: 88 (*Bezzia*). Type-locality: Chindant, Chita obl.—Distr.: USSR: WS (Altay, Tuva), ES; Asia: Mongolia.
- morvani** CLASTRIER, 1962: Archs Inst. Pasteur Algér., **40**(1): 95 (*Bezzia*). Type-locality: Tassili des Ajjer (Algeria).—Distr.: North Africa: Algeria.
- narynica** REMM, 1973: Reichenbachia, **14**(22): 183 (*Bezzia*). Type-locality: Burgan-Su (Kirghiz SSR).—Distr.: USSR: KZ, SMA (Ki, Tj); Asia: Mongolia.
- nigritula** (ZETTERSTEDT, 1838): Insecta Lapp.: 820 (*Ceratopogon*). Type-locality: Norway.—Distr.: Europe: A, B, GB, H, N, S, SF; USSR: CET (Est, Rs), SET (Uk).
- coracina* (ZETTERSTEDT, 1850): Dipt. Scand., **9**: 3646 (*Ceratopogon*). Type-locality: South Sweden.
- tenebricosa* GOETGHEBUER, 1912: Anns Biol. lacustre, **5**: 208 (*Bezzia*). Type-locality: Hockai (Belgium).
- atripes* ZILAHÍ-SEBESS, 1940: Folia ent. hung., **5**: 100 (*Bezzia*). Type-locality: Órszentmiklós (Hungary).
- nigroflava** REMM, 1974: Ent. Obozr., **53**(4): 891 (*Bezzia*). Type-locality: Bot. garden, Yakutsk (Yakut ASSR).—Distr.: USSR: ES.
- nobilis** (WINNERTZ, 1852): Linn. ent., **6**: 79 (*Ceratopogon*). Type-locality: Crefeld [D].—Distr.: North and Central Europe; USSR: NET, CET, SET, KZ, WS, ES, FE; Asia: Mongolia, China; North and South America.
- punctata* LUNDSTRÖM, 1910: Acta Soc. Fauna Flora fenn., **33**(10): 42 (*Bezzia*, as var. of *leucogaster* ZETTERSTEDT). Type-locality: Kuustö (Finland).
- cinerella* KIEFFER, 1919: Anns hist.-nat. Mus. natn. hung., **17**: 124 (*Bezzia*). Type-localities: Bugacz, Hortobágy (Hungary).
- leucosticta* KIEFFER, 1919: Anns hist.-nat. Mus. natn. hung., **17**: 124 (*Bezzia*). Type-locality: Kasan (USSR).
- armaticus* KIEFFER, 1919: Anns hist.-nat. Mus. natn. hung., **17**: 125 (*Bezzia*). Type-locality: Hortobágy (Hungary).
- csikiana* KIEFFER, 1919: Anns hist.-nat. Mus. natn. hung., **17**: 126 (*Bezzia*). Type-locality: Kasan (USSR).
- chrysocoma* KIEFFER, 1922: Anns Soc. scient. Brux, **41**(3/4): 353 (*Bezzia*). Type-locality: "Silesia" (Poland).
- nobiliformis* CLASTRIER, 1962: Archs Inst. Pasteur Algér., **40**(1): 74 (*Bezzia*). Type-locality: Hasselfurth (France).
- numidiana** CLASTRIER, 1962: Archs Inst. Pasteur Algér., **40**(1): 72 (*Bezzia*). Type-locality: Ste-Amélie (Algeria).—Distr.: North Africa: Algeria.
- ornata** (MEIGEN, 1830): Syst. Besch., **6**: 262 (*Ceratopogon*). Type-locality: not given (?Aachen).—Distr.: Europe: A, B, CS, D, GB, H, NL; USSR: CET.
- albosignata* KIEFFER, 1919: Anns hist.-nat. Mus. natn. hung., **17**: 117 (*Bezzia*). Type-locality: Hungary.
- pilipennis** LUNDSTRÖM, 1916: Naturw. Unters. Sarekgebirg., **4**(6): 674 (*Bezzia*). Type-locality: Sarek (Sweden).—Distr.: Europe: S.

- pilosella** REMM, 1974: Ent. Obozr., **53**(4): 896 (*Bezzia*). Type-locality; Ayagus (Kazakh SSR).—Distr.: USSR: KZ, ES (Sayan Mts).
- pygmaea** GOETGHEBUER, 1920: Mém. Mus. r. Hist. nat. Belg., **8**(3): 100 (*Bezzia*). Type-locality: Gand (Belgium).—Distr.: Europe: B, GB; USSR: CET (Est, La, Li).
- rhynchostylata** REMM, 1974: Ent. Obozr., **53**(4): 891 (*Bezzia*). Type-locality: Lensk (Yakutia).—Distr.: USSR: ES (Yakutia).
- rossii** CLASTRIER, 1962: Archs Inst. Pasteur Algér., **40**(1): 55 (*Bezzia*). Type-locality: Tassili des Ajjer (Algeria).—Distr.: North Africa: Algeria.
- ruffascies** GOETGHEBUER, 1932: Bull. Annl's Soc. r. ent. Belg., **72**: 126 (*Bezzia*). Type-locality: Germania.—Distr.: Europe: D.
- sahariensis** CLASTRIER, 1962: Archs Inst. Pasteur Algér., **40**(1): 97 (*Bezzia*). Type-locality: Tassili des Ajjer (Algeria).—Distr.: North Africa: Algeria.
- sergenti** KIEFFER, 1922: Archs Insts Pasteur Afr. N., **2**(4): 515 (*Bezzia*). Type-locality: Algeria.—Distr.: North Africa: Algeria.
- setosa** REMM, 1974: Ent. Obozr., **53**(4): 892 (*Bezzia*). Type-locality: Aniva (Sakhalin).—Distr.: USSR: FE (Sakhalin).
- signata** (MEIGEN, 1804): Klass. Beschr., **1**: 29 (*Ceratopogon*). Type-locality: not given (?Aachen).—Distr.: Europe: B, D, DDR, DK, GB, H, NL, S; USSR: NET, CET, SET (Rs, Uk), TC (Ge), SMA (Ki), WS (Tomsk).
- heusdensis* GOETGHEBUER, 1935: Bull. Annl's Soc. r. ent. Belg., **75**: 414 (*Bezzia*). Type-locality: Heusden (Belgium).
- sivashica** REMM in REMM and ZHOGOLEV, 1968: Ent. Obozr., **47**(4): 842 (*Bezzia*). Type-locality: Sivash (Crimea).—Distr.: USSR: SET.
- strigula** CLASTRIER, 1962: Archs Inst. Pasteur Algér., **40**(1): 68 (*Bezzia*). Type-locality: Montpellier (France).—Distr.: Europe: F; USSR: TC (Ge, Az), SMA (Tu).
- tadsignata** REMM, 1974: Ent. Obozr., **53**(4): 896 (*Bezzia*). Type-locality: Tigrovaya balka (Tajik SSR).—Distr.: USSR: KZ, SMA (Tj).
- transfuga** (STAEGER, 1839): Naturh. Tidsskr., **2**: 598 (*Ceratopogon*). Type-locality: Denmark.—Distr.: Europe: DK, S.
- ussurica** GLUKHOVA, 1979: Ent. Obozr., **58**(1): 167 (*Bezzia*). Type-locality: Ussuri nat. res., Primorye region.—Distr.: USSR: FE.
- vilbastei** REMM, 1971: Живая природа Дальнего Востока: 215 (*Bezzia*). Type-locality: Gamov peninsula, Primorye region.—Distr.: USSR: FE.
- winnertziana** KIEFFER, 1919: Annl's hist.-nat. Mus. natn. hung., **17**: 113 (*Bezzia*, new name for *Ceratopogon gracilis* WINNERTZ, 1852, a junior primary homonym of *Ceratopogon gracilis* HALIDAY, 1833).—Distr.: Europe: A, B, D, GB, SF; USSR: NET, CET (Est, La, Li, Rs).
- gracilis* (WINNERTZ, 1852): Linn. ent., **6**: 76 (*Ceratopogon*). Type-locality: Crefeld [D].
- zajantshkauskasi** REMM, 1966: Tartu Ülik. Metsaosak. Toim., **180**: 68 (*Bezzia*). Type-locality: Dubingiai (Lithuanian SSR).—Distr.: USSR: CET (Li), WS (Altay).

## Subgenus PYGOBEZZIA REMM, 1974

REMM, 1974: Ent. Obozr., **53**(2): 441.

Type-species: *Bezzia strobli* KIEFFER, 1919: Annl. hist.-nat. Mus. natn. hung., **17**: 122 (orig. des.) [= *albicornis* (MEIGEN, 1818)].

**albicornis** (MEIGEN, 1818): Syst. Besch., **1**: 74 (*Ceratopogon*). Type-locality: not given.—Distr.: Central and South Europe; USSR: CET (Uk), SET (Uk, Rs), TC (Az, Arm), KZ, SMA, WS (Altay); Asia: Mongolia, North China; North and West Africa.

*pallidetarsata* (STROBL, 1900): Wien. ent. Ztg, **19**: 171 (*Ceratopogon*). Type-locality: Madrid (Spain).

*brevinervis* KIEFFER, 1919: Annl. hist.-nat. Mus. natn. hung., **17**: 122 (*Bezzia*). Type-locality: Budapest (Hungary).

*strobli* KIEFFER, 1919: Annl. hist.-nat. Mus. natn. hung., **17**: 122 (*Bezzia*). Type-locality: Deliblát (Yugoslavia).

*atrata* (MACFIE, 1944): Proc. R. ent. Soc. Lond. (B), **13**(11/12): 126 (*Homobezzia*). Type-locality: Maadi area, Cairo (Egypt).

**atripluma** KIEFFER, 1919: Annl. hist.-nat. Mus. natn. hung., **17**: 123 (*Bezzia*). Type-locality: Budapest (Hungary).—Distr.: Europe: H.

**calceata** (WALKER, 1856): Ins. Brit., Dipt., **3**: 239 (*Ceratopogon*). Type-locality: Toome Bridge, connecting the countries Antrim and Derry (Great Britain).—Distr.: Europe: D, GB; Asia: Afghanistan.

*trilobata* KIEFFER, 1922: Annl. Soc. scient. Brux., **41**(2): 237 (*Bezzia*). Type-locality: Schleswig-Holstein [D].

**fuliginata** CLASTRIER, 1962: Archs Inst. Pasteur Algér., **40**(1): 116 (*Bezzia*). Type-locality: Belgrad (Yugoslavia).—Distr.: Europe: H, YU; USSR: SET (Uk), TC (Az, Ge), KZ, SMA (Tj, Tu, Uz).

**nigrita** CLASTRIER, 1962: Archs Inst. Pasteur Algér., **40**(1): 117 (*Bezzia*). Type-locality: "entre Larvik et Oslo" (Norway).—Distr.: Europe: H, N; USSR: NET, CET, TC (Arm), KZ, SMA (Ki, Tj).

**sajana** REMM, 1972: Tartu Ülik. Metsaosak. Toim., **293**: 89 (*Bezzia*). Type-locality: Kyren (Buryat ASSR).—Distr.: CET (Li), KZ, WS, ES, FE.

*quadridens* REMM, 1972: Tartu Ülik. Metsaosak. Toim., **293**: 89 (*Bezzia*). Type-locality: Miass, South Ural (USSR).

## Tribe Heteromyiini

**Clinohelea** KIEFFER, 1917

KIEFFER, 1917: Annl. hist.-nat. Mus. natn. hung., **15**: 295.

Type-species: *Ceratopogon variegatus* WINNERTZ, 1852: Linn. ent., **6**: 59 (orig. des.) [= *unimaculata* (MACQUART, 1826)].

**unimaculata** (MACQUART, 1826): Mém. Soc. Sci. Agric. Lille, **1823–1824**: 178



- (*Ceratopogon*). Type-locality: North France.—Distr.: North and Central Europe; USSR: CET, SET, TC (Ge).  
*maculipes* (MEIGEN, 1830): Syst. Besch., 6: 265 (*Ceratopogon*). Type-locality: not given.  
*variegata* (WINNERTZ, 1852): Linn. ent., 6: 59 (*Ceratopogon*). Type-locality: not given (?Crefeld) [D].

### Neurohelea KIEFFER, 1925

KIEFFER, 1925: Faune de France, 11: 112.

Type-species: *Ceratopogon luteitarsis* MEIGEN, 1838: Syst. Besch., 7: 18 (mon.).

- luteitarsis* (MEIGEN, 1838): Syst. Besch., 7: 18 (*Ceratopogon*). Type-locality: Baiern [D].—Distr.: Europe: B, D, GB.  
*subsessilis* (GOETGHEBUER, 1921): Mém. Mus. r. Hist. nat. Belg., 8(4): 181 (*Clinohelea*). Type-locality: Belgium.

### Doubtful species of Palpomyiinae

- apicalis* VON ROSER, 1840: CorrespBl. württ. landw. Ver. Stuttg. (N.S.), 17(1): 50 (*Ceratopogon*). Type-locality: not given (Württemberg).  
*circumdatus* STAEGER, 1839: Naturh. Tidsskr., 2: 596 (*Ceratopogon*). Type-locality: Denmark. Probably a synonym of *Bezzia solstitialis*.  
*floralis* MEIGEN, 1804: Klass. Besch., 1: 27 (*Ceratopogon*). Type-locality: Germany.  
*microcera* KIEFFER, 1915: Ent. Meddr, 10: 287 (*Palpomyia*). Type-locality: Denmark.  
*nilotica* KIEFFER, 1924: Bull. Soc. ent. Égypte, 8: 263 (*Parrotia*). Type-locality: Maadi (Egypt).  
*quadrifasciatus* STROBL, 1905: Mems R. Soc. esp. Hist. nat., 3: 399 (*Ceratopogon*). Type-locality: Algeciras (Spain).  
*ruficornis* MACQUART, 1826: Mém. Soc. Sci. Agric. Lille, 1823–1824: 178 (*Ceratopogon*). Type-locality: North France.  
*soikai* HARANT, W. et N. HUTTEL, 1952: Bull. Soc. ent. Fr., 57(1): 12 (*Dicrobezzia*). Type-locality: Lag. Veneta (Italy).  
*succinotus* MEIGEN, 1818: Syst. Besch., 1: 85 (*Ceratopogon*). Type-locality: Portugal.

## Subfamily Ceratopogoninae

### Tribe Stilobezziini

### Serromyia MEIGEN, 1818

MEIGEN, 1818: Syst. Besch., 1: 83.

Type-species: *Ceratopogon femoratus* MEIGEN, 1804: Klass. Besch., 1: 28 (mon.).

- Prionomyia* STEPHENS, 1829: Syst. Cat. Brit. Ins., 2: 237. Type-species: *Ceratopogon femoratus* MEIGEN, 1804: Klass. Besch., 1: 28 (des. WESTWOOD, 1840: Synopsis: 126).

- Ceratolophus* KIEFFER, 1899: Bull. Soc. ent. Fr., 1899: 69. Type-species: *Ceratopogon femoratus* MEIGEN, 1804: Klass. Beschr., 1: 28 (orig. des.).
- Johannseniella* WILLISTON, 1907: Jl N.Y. ent. Soc., 15: 1, new name for *Ceratolophus* KIEFFER, 1899, a junior homonym of *Ceratolophus* BARBOZA DE BOCAGE 1873 (Reptilia).
- atra** (MEIGEN, 1818): Syst. Beschr., 1: 84 (*Ceratopogon*). Type-locality: Austria.—Distr.: Europe: A, B, D, GB, H, NL; USSR: CET (Est, La, Li, Rs).  
*albitarsis* KIEFFER, 1919: Annls hist.-nat. Mus. natn. hung., 17: 71 (*Serromyia*). Type-locality: Germania.
- bispinosa** GOETGHEBUER, 1936: Bull. Anns Soc. r. ent. Belg., 76: 321 (*Serromyia*). Type-locality: La Panne (Belgium).—Distr.: Europe: B.
- dipetala** REMM, 1965: Ent. Obozr., 44(1): 182 (*Serromyia*). Type-locality: Ähijärv, Valga distr. (Estonian SSR).—Distr.: Europe: CS, D, H; USSR: CET (Est, La, Li).
- femorata** (MEIGEN, 1804): Klass. Beschr., 1: 28 (*Ceratopogon*). Type-locality: not given (? Aachen) [D].—Distr.: Europe; USSR: NET, CET, SET (Rs), TC (Ge), FE (Kamchatka); North America.  
*armata* (MEIGEN, 1818): Syst. Beschr., 1: 83 (*Ceratopogon*). Type-locality: not given (? Aachen) [D].  
*rufitarsis* (MEIGEN, 1818): Syst. Beschr., 1: 83 (*Ceratopogon*). Type-locality: not given (? Aachen) [D].  
*foersteri* (MEIGEN, 1838): Syst. Beschr., 7: 21 (*Ceratopogon*). Type-locality: Aachen [D].  
*inermipes* KIEFFER, 1919: Annls hist.-nat. Mus. natn. hung., 17: 73 (*Serromyia*). Type-locality: Mont Cenis (Italy).
- flavicus** (KIEFFER, 1906): Genera Insectorum, Fasc., 42: 63 (*Palpomyia* (*Ceratopogon*) *flavipes* GIMMERTHAL); a junior homonym of *Ceratopogon flavipes* MEIGEN.—Distr.: USSR: CET (La).  
*flavipes* (GIMMERTHAL, 1847): Bull. Soc. nat. Moscou, 20(3): 144 (*Ceratopogon*). Type-locality: "Curland" (Latvian SSR).
- gelida** KIEFFER, 1925: Archs Inst. Pasteur Algér., 3(4): 429 (*Serromyia*). Type-locality: Roesvik (Norway).—Distr.: Europe: N.
- ledicola** KIEFFER, 1925: Beitr. Kunde Estlands, 10(4/5): 156 (*Serromyia*). Type-locality: "Dagö" (Hiiumaa) (Estonian SSR).—Distr.: Europe: A, B, I, N; USSR: NET, CET (Est, Rs, Uk), WS, ES, FE; Asia: Mongolia.  
*macronyx* GOETGHEBUER, 1933: Bull. Anns Soc. r. ent. Belg., 75: 355 (*Serromyia*). Type-locality: La Panne (Belgium).  
*europaea* CLASTRIER, 1963: Archs Inst. Pasteur Algér., 41(1/2): 61 (*Serromyia*). Type-locality: Austria.
- micronyx** KIEFFER, 1919: Annls hist.-nat. Mus. natn. hung., 17: 70 (*Serromyia*). Type-locality: Budapest (Hungary).—Distr.: Europe: H.
- morio** (FABRICIUS, 1775): Syst. entom.: 800 (*Culex*). Type-locality: Great Britain.—Distr.: Europe: Central Europe, GB, N, S; USSR: CET, SET (Rs), TC (Az, Ge).

- nitens** GOETGHEBUER, 1920: Mém. Mus. r. Hist. nat. Belg., **8**(3): 73 (*Serromyia*).  
Type-locality: Wemmel (Belgium).—Distr.: Europe: A, B, GB, H, NL;  
USSR: SET (Rs).
- nudipennis** KIEFFER, 1913: Bull. Soc. Hist. nat. Moselle, **28**: 10 (*Serromyia*). Type-  
locality: Bitche (France).—Distr.: Europe: F.
- scirpi** KIEFFER, 1913: Bull. Soc. Hist. nat. Moselle, **28**: 11 (*Serromyia*). Type-  
locality: Germania.—Distr.: Europe: D.
- spinosipes** KIEFFER, 1919: Anns hist.-nat. Mus. natn. hung., **17**: 72 (*Serromyia*).  
Type-locality: Hungary.—Distr.: Europe: CS, D, H, NL, PL, YU;  
USSR: NET, CET (Est, La, Rs), KZ.
- subinermis** KIEFFER, 1919: Anns hist.-nat. Mus. natn. hung., **17**: 73 (*Serromyia*,  
as var. of *spinosipes*). Type-locality: Hungary.—Distr.: Europe: D, H;  
USSR: TC (Arm).

### Monohelea KIEFFER, 1917

KIEFFER, 1917: Anns hist.-nat. Mus. natn. hung., **15**: 295.

Type-species: *Monohelea hieroglyphica* KIEFFER, 1917: Anns hist.-nat. Mus.  
natn. hung., **15**: 312 (orig. des.); not Palaeartic.

*Kiefferomyia* MAYER, 1937: Stettin. ent. Ztg, **98**(2): 303. Type-species: *Kiefferomyia*  
*gorana* MAYER, 1937: l.c.: 303 (orig. des.) [= *leucopeza* (MEIGEN, 1804)].

*Schizohelea* KIEFFER, 1917: see below as subgenus.

*Allohelea* KIEFFER, 1917: see below as subgenus.

### Subgenus SCHIZOHELEA KIEFFER, 1917

KIEFFER, 1917: Anns hist.-nat. Mus. natn. hung., **15**: 295.

Type-species: *Ceratopogon copiosus* WINNERTZ, 1852: Linn. ent., **6**: 56 (mon.)  
[= *leucopeza* (MEIGEN, 1804)].

**incerta** CLASTRIER, 1963: Archs Inst. Pasteur Algér., **41**(1/2): 60 (*Monohelea*). Type-  
locality: Ouled Mendil (Algeria).—Distr.: Europe: F; North Africa:  
Algeria.

**lampropeza** REMM, 1967: Tartu Ülik. Metsaosak. Toim., **194**: 29 (*Monohelea*).  
Type-locality: Kharagouli (Georgian SSR).—Distr.: USSR: TC (Ge).

**leucopeza** (MEIGEN, 1804): Klass. Beschr., **1**: 29 (*Ceratopogon*). Type-locality: not  
given (? Aachen) [D].—Distr.: Europe; USSR: NET, CET, TC (Ge,  
Arm), SMA (Ki), FE (Sakhalin); North Africa: Tunisia; North America.

*albitarsis* (WIEDEMANN, 1817): Zool. Mag., Kiel, **1**(1): 67 (*Ceratopogon*). Type-  
locality: Kiel [D].

*copiosa* (WINNERTZ, 1852): Linn. ent., **6**: 56 (*Ceratopogon*). Type-locality:  
Crefeld [D].



- stecki* (KIEFFER, 1915): Brotéria (ser. zool.), **13**(2): 65 (*Bezzia*). Type-locality: Bern (Switzerland).
- gorana* (MAYER, 1937): Stettin. ent. Ztg, **98**(2): 304 (*Kiefferomyia*). Type-locality: Gohrau [DDR].
- xanthopeza* CLASTRIER, 1963: Archs Inst. Pasteur Algér., **41**(1/2): 55 (*Monohelea*). Type-locality: Belgium.
- pekae* REMM, 1980: Tartu Ülik. Metsaosak. Toim., **516**: 89 (*Monohelea*). Type-locality: Arslanbob (Kirghiz SSR).—Distr.: USSR: SMA (Ki).

#### Subgenus MONOHELEA KIEFFER, 1917

- estonica* REMM, 1965: Ent. Obozr., **44**(1): 182 (*Monohelea*). Type-locality: Järlepa, Rapla distr. (Estonian SSR).—Distr.: USSR: CET (Est, Li, By, Rs).
- hissarica* REMM, 1980: Tartu Ülik. Metsaosak. Toim., **516**: 91 (*Monohelea*). Type-locality: Kondara (Tajik SSR).—Distr.: USSR: SMA (Tj).
- ussurica* REMM, 1971: Живая природа Дальнего Востока: 208 (*Monohelea*). Type-locality: Primorski, Hasan distr. South Primorye.—Distr.: USSR: FE.

#### Subgenus ALLOHELEA KIEFFER, 1917

- KIEFFER, 1917: Anns hist.-nat. Mus. natn. hung., **15**: 364.  
Type-species: *Sphaeromyias pulchripennis* KIEFFER, 1911: Trans. Linn. Soc. Lond. (2) Zool, **14**: 344 (orig. des.); not Palaearctic.
- inflativena* TOKUNAGA, 1962: Insects, **4**(1): 214 (*Monohelea*). Type-locality: Chibana, Okinawa (Ryukyu Is.).—Distr.: Asia: Korea, Japan (Honshu, Ryukyu).
- japonica* UDAKA, 1959: Trans. Shikoku ent. Soc., **6**(2): 20 (*Monohelea*). Type-locality: Jojusha (Japan).—Distr.: USSR: FE; Asia: Japan.
- pallifemorata* REMM, 1980: Tartu Ülik. Metsaosak. Toim., **561**: 91 (*Monohelea*). Type-locality: Nulvand (Tajik SSR).—Distr.: USSR: SMA (Tj).
- tesselata* (ZETTERSTEDT, 1850): Dipt. Scand., **9**: 3642 (*Ceratopogon*). Type-locality: "Esperöd in paroecia Mollby Scaniae" (South Sweden).—Distr.: Central Europe; USSR: SET (Krasnodar kray).
- illustris* (WINNERTZ, 1852): Linn. ent., **6**: 53 (*Ceratopogon*). Type-locality: Crefeld [D].

#### Stilobezzia KIEFFER, 1911

- KIEFFER, 1911: Rec. Indian Mus., **6**: 118.  
Type-species: *Stilobezzia festiva* KIEFFER, 1911: l.c.: 118 (orig. des.).  
*Neostilobezzia* GOETGHEBUER, 1934: see below as subgenus.

Subgenus *STILOBEZZIA* KIEFFER, 1911

- claripes** DAS GUPTA et WIRTH, 1968: Bull. U.S. natn. Mus., **283**: 128 (*Stilobezzia*).  
Type-locality: Seoul (Korea).—Distr.: USSR: FE; Asia: Japan (Honshu), Korea.
- tokunagai** DAS GUPTA et WIRTH, 1968: Bull. U.S. natn. Mus., **283**: 131 (*Stilobezzia*). Type-locality: Midoro Pond, Kyoto Pref. Honshu (Japan).
- maihensis** REMM, 1971: Живая природа Дальнего Востока: 209 (*Stilobezzia*).  
Type-locality: Novo-Khatunichi (USSR, South Primorye).
- festiva** KIEFFER, 1911: Rec. Indian Mus., **6**: 118 (*Stilobezzia*). Type-locality: Calcutta (India).—Distr.: Asia: Japan (Honshu, Ryukyu); South Asia.
- flavirostris** (WINNERTZ, 1852): Linn. ent., **6**: 52 (*Ceratopogon*). Type-locality: Crefeld [D].—Distr.: Central Europe; USSR: CET (Est, Rs); SET (Uk, Rs), TC (Az, Ge), WS.
- albicornis** KIEFFER, 1919: Anns hist.-nat. Mus. natn. hung., **17**: 84 (*Stilobezzia*). Type-locality: Nagy-Sitke (Austria).
- inermipes** KIEFFER, 1912: Spolia zeylan., **8**: 8 (*Stilobezzia*). Type-locality: Ceylon.—  
Distr.: Asia: Japan (Honshu, Kyusyu); South Asia; Micronesia.
- lateralis** (MEIGEN, 1838): Syst. Besch., **7**: 18 (*Ceratopogon*). Type-locality: Baiern [D].—Distr.: Europe: A, D, H, YU.
- flavirostroides** (STROBL, 1880): Progr. k. k. Ober-Gymn. Benedictiner Seitenstetten, **1880**: 64 (*Ceratopogon*). Type-locality: Seitenstetten (Austria).
- notata** (DE MEIJERE, 1907): Tijdschr. Ent., **50**: 210 (*Ceratopogon*). Type-locality: Semarang (Java).—Distr.: Asia: Japan (Honshu); SE Asia; New Guinea.
- nudisthmstheca** DAS GUPTA et WIRTH, 1968: Bull. U.S. natn. Mus., **283**: 118 (*Stilobezzia*). Type-locality: Colombo, Kalutaluwewa (Ceylon).—Distr.: Asia: Japan (Honshu); Ceylon, Philippines.
- oxiana** REMM, 1980: Tartu Ülik. Metsaosak. Toim., **516**: 95 (*Stilobezzia*). Type-locality: Djilikul (Tajik SSR).—Distr.: USSR: SMA (Tj, Tu, Uz).
- subviridis** MACFIE, 1934: Tijdschr. Ent., **77**: 218 (*Stilobezzia*). Type-locality: Fort de Kock (Sumatra).—Distr.: Asia: Japan (Honshu, Ryukyu); SE Asia.
- virescens** KIEFFER, 1919: Anns hist.-nat. Mus. natn. hung., **17**: 84 (*Stilobezzia*).  
Type-locality: Berzászka (Roumania).—Distr.: Europe: R.
- zonata** TOKUNAGA, 1963: Scient. Rep. Kyoto prefect. Univ. Agric., **15**: 43 (*Stilobezzia*). Type-locality: Omiya, Saitama, Honshu (Japan).—Distr.: Asia: Japan.

Subgenus *NEOSTILOBEZZIA* GOETGHEBUER, 1934

GOETGHEBUER, 1934: 13a. Heleidae, Fliegen pal. Reg., **3**: 53.

Type-species: *Ceratopogon ochraceus* WINNERTZ, 1852: Linn. ent., **6**: 48 (des. WIRTH, 1953: Proc. U.S. natn. Mus., **103**: 63).

- alba** TOKUNAGA, 1940: *Tenthredo*, 3(2): 155 (*Stilobezzia*). Type-locality: Mt. Hikosan, Hukuoka-ken, Kyushu (Japan).—Distr.: Asia: Japan (Kyushu, Ryukyu).
- aureola** CLASTRIER, 1963: *Archs Inst. Pasteur Algér.*, 41(1–2): 49 (*Stilobezzia*). Type-locality: In Salah (Algeria).—Distr.: North Africa: Algeria.
- cereola** CLASTRIER, 1963: *Archs Inst. Pasteur Algér.*, 41(1–2): 51 (*Stilobezzia*). Type-locality: Tetovo, Makedonia (Yugoslavia).—Distr.: Europe: A, D, F, YU; USSR: SET (Rs), SMA (Tj).
- douryi** CLASTRIER, 1963: *Archs Inst. Pasteur Algér.*, 41(1–2): 42 (*Stilobezzia*). Type-locality: Tassili des Ajjer, Arharhar (Algeria).—Distr.: North Africa: Algeria.
- fulvacea** REMM, 1980: *Tartu Ülik. Metsaosak. Toim.*, 516: 95 (*Stilobezzia*). Type-locality: Yavroz (Tajik SSR).—Distr.: USSR: SMA (Tj).
- furcellata** REMM, 1980: *Tartu Ülik. Metsaosak. Toim.*, 516: 93 (*Stilobezzia*). Type-locality: Dushanbe (Tajik SSR).—Distr.: USSR: SMA (Tj).
- fuscidorsum** KIEFFER, 1921: *Bull. Soc. Hist. nat. Moselle*, 29: 58 (*Stilobezzia*). Type-locality: Schleswig-Holstein [D].—Distr.: Europe: D.
- gracilis** (HALIDAY, 1833): *Ent. Mag.*, 1: 152 (*Ceratopogon*). Type-locality: Great Britain.—Distr.: Europe: GB, S, Central Europe; USSR: CET (Est, Li, Rs).
- dorsalis* (ZETTERSTEDT, 1850): *Dipt. Scand.*, 9: 3644 (*Ceratopogon*). Type-locality: Scania (Sweden).
- lutacea** EDWARDS, 1926: *Trans. R. ent. Soc. Lond.*, 74: 412 (*Stilobezzia*). Type-locality: Porthcawl, Glamorgan (Great Britain).—Distr.: Europe: F, GB.
- monticola** TOKUNAGA, 1940: *Philipp. J. Sci.*, 72: 279 (*Stilobezzia*). Type-locality: Mount Daisen, Tottori-ken.—Distr.: Asia: Japan (Honshu).
- ochracea** (WINNERTZ, 1852): *Linn. ent.*, 6: 48 (*Ceratopogon*). Type-locality: Crefeld [D].—Distr.: Central and South Europe; USSR: CET (Est, Li), TC (Az, Ge).
- rufithorax* KIEFFER, 1919: *Annls hist.-nat. Mus. natn. hung.*, 17: 84 (*Stilobezzia*). Type-locality: Árvaváralja (Czechoslovakia).
- scutellata* GOETGHEBUER, 1920: *Mém. Mus. r. Hist. nat. Belg.*, 8(3): 111 (*Stilobezzia*). Type-locality: Melle (Belgium).
- papillata** REMM, 1980: *Tartu Ülik. Metsaosak. Toim.*, 516: (*Stilobezzia*). Type-locality: Nulvand (Tajik SSR).—Distr.: USSR: SMA (Ki, Tj).
- pezzoni** (NEVEU, 1977): *Nouv. Revue Ent.*, 7(2): 230 (*Neostilobezzia*). Type-locality: Lissuraga, W. Pyrénées.—Distr.: Europe: F.
- sahariensis** KIEFFER, 1923: *Archs Inst. Pasteur Algér.*, 1(4): 681 (*Stilobezzia*). Type-locality: Biskra (Algeria).—Distr.: North Africa: Algeria.
- thibaulti** (NEVEU, 1977): *Nouv. Revue Ent.*, 7(2): 226 (*Neostilobezzia*). Type-locality: Lissuraga, W. Pyrénées (France).—Distr.: Europe: F.



**Kolenohelea** DE MEILLON et WIRTH, 1981

DE MEILLON et WIRTH, 1981: Ann. Natal Mus., **24**(2): 513.

Type-species: *Kolenohelea dycei* DE MEILLON et WIRTH: l.c.: 517 (orig. des.); not Palaearctic.

**sharpi** (EDWARDS, 1929): Trans. R. ent. Soc. Lond., **77**: 427 (*Stilobezzia*). Type-locality: New Forest (Great Britain).—Distr.: Europe: B, D, F, GB, NL.

**fusca** (GOETGHEBUER, 1932): Bull. Anns Soc. r. ent. Belg., **72**: 125 (*Stilobezzia*). Type-locality: Hoyet (Belgium).

**Parabezzia** MALLOCH, 1915

MALLOCH, 1915: Bull. Ill. St. Lab. nat. Hist., **10**: 358.

Type-species: *Parabezzia petiolata* MALLOCH, 1915: l.c.: 359 (orig. des.); not Palaearctic.

**grogani** SZADZIEWSKI et WIRTH, 1983: Proc. ent. Soc. Wash., **85**(2): 359 (*Parabezzia*). Type-locality: Tichi nr. Bejaia (Algeria).—Distr.: North Africa: Algeria.

## Tribe Ceratopogonini

**Alluaudomyia** KIEFFER, 1913

KIEFFER, 1913: Voyage de Ch. Alluaud et R. Jeannel, Dipt., **1**: 12.

Type-species: *Alluaudomyia imparunguis* KIEFFER, 1913: l.c.: 12 (mon.); not Palaearctic.

**aterivena** TOKUNAGA, 1940: Tenthredo, **3**(2): 154 (*Alluaudomyia*). Type-locality: Mt. Hikosan, Kyushu (Japan).—Distr.: Asia: Japan.

**bertrandi** HARANT et CELLIER, 1949: Bull. Soc. ent. Fr., **54**: 10 (*Alluaudomyia*). Type-locality: Rambouillet (France).—Distr.: Europe: F.

**depuncta** REMM, 1980: Tartu Ülik. Metsaosak. Toim., **516**: 101 (*Alluaudomyia*). Type-locality: Tigrovaya balka (Tajik SSR).—Distr.: USSR: KZ, SMA (Tj, Tu, Uz).

**fimbriatinervis** CLASTRIER, 1958: Archs Inst. Pasteur Algér., **36**(2): 230 (*Alluaudomyia*). Type-locality: Niokolo-koba (Senegal).—Distr.: North Africa: Algeria; Senegal.

**gloriosa** KIEFFER, 1925: Archs Inst. Pasteur Algér., **3**(4): 422 (*Alluaudomyia*). Type-locality: "Autriche, lac de Lunz".—Distr.: Europe: A.

**hygropetrica** VAILLANT, 1954: Revue fr. Ent., **21**(3): 228 (*Alluaudomyia*). Type-locality: Claix (Alpes du Dauphiné, Massif du Vercors, 350 m) (France).—Distr.: Europe: F; North Africa: Algeria.

- lactella** REMM, 1980: Tartu Ülik. Metsaosak. Toim., **516**: 97 (*Alluaudomyia*). Type-locality: Arkit (Kirghiz SSR).—Distr.: USSR: SMA (Ki).
- limosa** CLASTRIER, 1961: Archs Inst. Pasteur Algér., **39**(4): 432 (*Alluaudomyia*). Type-locality: Villeneuve-Loubet (Alpes Maritimes) (France).—Distr.: Europe: E, F.
- ljatifeidae** REMM, 1967: Tartu Ülik. Metsaosak. Toim., **194**: 27 (*Alluaudomyia*, as “*latifeidae*”). Type-locality: Kuheti (Azerbaijan SSR).—Distr.: USSR: TC (Az).
- ljatifeidae* DZHAFAROV, 1964: Кровососущие мокрецы Закавказья: fig. 163. Nomen nudum.
- marmorata** (CARTER, INGRAM et MACFIE, 1921): Ann. trop. Med. Parasit., **14**(3): 312 (*Prionognathus*). Type-locality: Ghana.—Distr.: North Africa: Algeria; Afrotropical Region.
- melanostica** (INGRAM et MACFIE, 1922): Ann. trop. Med. Parasit., **16**(3): 248 (*Thysanognathus*). Type-locality: Accra (Ghana).—Distr.: North Africa: Egypt; Afrotropical Region.
- meridiana** CLASTRIER, 1978: Entomologiste, **34**(1): 25 (*Alluaudomyia*). Type-locality: Montpellier (France).—Distr.: Europe: F.
- mynistensis** REMM, 1979: Dipterol. uurimusi, Tartu: 55 (*Alluaudomyia*). Type-locality: Mõniste (Estonian SSR).—Distr.: Europe: E, F; USSR: CET (Est).
- nilogenes** (KIEFFER, 1924): Bull. Soc. ent. Égypte, **8**: 262 (*Thysanognathus*). Type-locality: Maadi (Egypt).—Distr.: North Africa: Egypt.
- ocellata** REMM, 1980: Tartu Ülik. Metsaosak. Toim., **516**: 99 (*Alluaudomyia*). Type-locality: Yavroz (Tajik SSR).—Distr.: USSR: SMA (Tj).
- pentaspila** REMM et GLUKHOVA, 1971: ENSV TA Toim., biol., **20**(4): 304 (*Alluaudomyia*). Type-locality: Abrau-Dyrso, Krasnodar region.—Distr.: Europe: D, F; USSR: CET (Est, Rs), SET (Uk, Rs), SMA (Tj, Uz).
- quadripunctata** (GOETGHEBUER, 1934): Bull. Anns Soc. r. ent. Belg., **74**: 288 (*Culicoides*). Type-locality: Leningrad obl. (USSR).—Distr.: Europe: A, F, SF; USSR: NET, CET (Est, Li, Rs), ES, FE.
- quinquepunctata** TOKUNAGA 1940: Philipp. J. Sci., **72**: 256 (*Alluaudomyia*). Type-locality: Kibune, Kyoto (Japan).—Distr.: Asia: Japan.
- riparia** CLASTRIER, 1978: Entomologiste, **34**(1): 29 (*Alluaudomyia*). Type-locality: Saint-Jean de Védas (France).—Distr.: Europe: F.
- sagaensis** TOKUNAGA, 1940: Philipp. J. Sci., **72**: 257 (*Alluaudomyia*). Type-locality: Saga, Kyoto (Japan).—Distr.: USSR: FE; Asia: Japan (Honshu); Taiwan.
- shogakii** TOKUNAGA, 1960: Scient. Rep. Kyoto prefect. Univ. Agric., **12**: 74 (*Alluaudomyia*). Type-locality: Kyoto-City (Honshu).—Distr.: Asia: Japan.
- splendida** (WINNERTZ, 1852): Linn. ent., **6**: 47 (*Ceratopogon*). Type-locality: not given [?D].—Distr.: Europe: A, CS, D, GB, H; USSR: NET, CET (Rs), FE.

- streptomera** REMM, 1980: Tartu Ülik. Metsaosak. Toim., **516**: 99 (*Alluaudomyia*). Type-locality: Serahs (Turkmen SSR).—Distr.: USSR: SMA (Tj, Tu).
- tiberghieni** NEVEU, 1978: Nouv. Revue Ent., **8**(3): 355 (*Alluaudomyia*). Type-locality: Saint-Martin-de-Seignanx, Landes (France).—Distr.: Europe: F.
- undecimpunctata** TOKUNAGA, 1940: Philipp. J. Sci., **72**: 257 (*Alluaudomyia*). Type-locality: Kitasirakawa, Kyoto (Japan).—Distr.: Asia: Japan (Honshu).

### Ceratopogon MEIGEN, 1803

MEIGEN, 1803: Mag. Insektenk., **2**: 261.

Type-species: *Tipula barbicornis*: MEIGEN, 1803: l.c.: 261, as „*Tipula barbicornis* Fabr.” not LINNAEUS, 1767 (misidentification) (mon.) [= *communis* MEIGEN, 1804].

*Helea* MEIGEN, 1800: Nouve. Class.: 18. Type-species: *Ceratopogon communis* MEIGEN, 1804: Klass. Besch., **1**: 27 (des. COQUILLET, 1910: Proc. U.S. natn. Mus., **37**: 549). Nomen suppressed by I.C.Z.N., **1963**: 339.

*Psilohalea* KIEFFER, 1915: Ent. Meddr., **10**: 284. Type-species: *Ceratopogon candidatus* WINNERTZ, 1852: Linn. ent., **6**: 57 (orig. des.) [= *niveipennis* MEIGEN, 1804].

*Anakempia* KIEFFER, 1924: Bull. Soc. Hist. nat. Moselle, **30**: 13. Type-species: *Dasyhelea grandiforceps* KIEFFER, 1913: Bull. Soc. Hist. nat. Moselle, **28**: 7 (orig. des.).

*Trishelea* KIEFFER, 1925: Beitr. Kunde Estlands, **10**: 153. Type-species: *Trishelea incompleta* KIEFFER, 1925: l.c.: 153 (orig. des.) [= *perpusillus* (EDWARDS, 1921)].

*Isohelea* KIEFFER, 1917: see below as subgenus.

### Subgenus CERATOPOGON MEIGEN, 1803

**cirrosus** REMM, 1974: Tartu Ülik. Metsaosak. Toim., **327**: 45 (*Ceratopogon*). Type-locality: Ust-Kan Altai (USSR).—Distr.: USSR: WS.

**communis** MEIGEN, 1804: Klass. Besch., **1**: 27 (*Ceratopogon*). Type-locality: not given.—Distr.: Central Europe; USSR: NET, CET (Est, La, Rs).

**crassinervis** (GOETGHEBUER, 1920): Mém. Mus. r. Hist. nat. Belg., **8**(3): 62 (*Stilobezzia*). Type-locality: Hockai (Belgium).—Distr.: Europe: B, DDR, GB, N, NL; USSR: NET, CET (Est, Rs), SET (Uk), TC (Arm), WS, ES; ?North America.

*calcaratus* (GOETGHEBUER, 1920): Mém. Mus. r. Hist. nat. Belg., **8**(3): 64 (*Monohelea*). Type-locality: Genval (Belgium).

**dsungaricus** REMM, 1980: Tartu Ülik. Metsaosak. Toim., **516**: 101 (*Ceratopogon*). Type-locality: Tekeli (Kazakh SSR).—Distr.: USSR: KZ.



- ferulae** REMM, 1974: Tartu Ülik. Metsaosak. Toim., 327: 43 (*Ceratopogon*). Type-locality: Arkit (Kirghiz SSR).—Distr.: USSR: SMA (Ki).
- fumipennis** REMM, 1974: Tartu Ülik. Metsaosak. Toim., 327: 41 (*Ceratopogon*). Type-locality: Arslanbob (Kirghiz SSR).—Distr.: USSR: SMA (Ki), KZ.
- gigaforceps** REMM, 1973: Reichenbachia, 14(22): 180 (*Ceratopogon*). Type-locality: Near Lensk (Yakut ASSR).—Distr.: USSR: ES, FE (Sakhalin); Asia: Mongolia.
- grandiforceps** (KIEFFER, 1913): Bull. Soc. Hist. nat. Moselle, 28: 7 (*Dasyhelea*). Type-locality: Bitche (France).—Distr.: Europe: CS, D, F; USSR: CET (Est, Rs).
- kurilensis** REMM, 1974: Tartu Ülik. Metsaosak. Toim., 327: 41 (*Ceratopogon*). Type-locality: Kunashir.—Distr.: USSR: FE (Sakhalin, Kunashir).
- lacteipennis** ZETTERSTEDT, 1838: Insecta Lapp.: 820 (*Ceratopogon*). Type-locality: "insula Senjen" (Norway).—Distr.: Europe: GB, N; USSR: CET (Est, Rs); Canary Is.; Greenland.
- edentatus* (EDWARDS, 1921): Scott. Nat., 115/116: 124 (*Psilohelea*). Type-locality: Sannox (Scotland).
- sphagnicola* (KIEFFER, 1924): Archs Inst. Pasteur Algér., 2(3): 403 (*Anakempia*). Type-locality: Bitche (France).
- conjunctus* (KIEFFER, 1925): Archs Inst. Pasteur Algér., 3(4): 416 (*Anakempia*). Type-locality: Zehlau Moor, Kaliningrad obl. (USSR).
- longitarsis** (MAYER, 1940): Zool. Anz., 129(5/6): 164 (*Helea*). Type-locality: Abisko (Sweden).—Distr.: Europe: S.
- magniforceps** (KIEFFER, 1925): Archs Inst. Pasteur Algér., 3(4): 413 (*Trishelea*). Type-locality: Zehlau Moor, Kaliningrad obl. (USSR).—Distr.: USSR: CET (Rs).
- niveipennis** MEIGEN, 1804: Klass. Beschr., 1: 29 (*Ceratopogon*). Type-locality: not given (?Aachen) [D].—Distr.: Europe; USSR: CET (Est), TC (Arm).
- candidatus* WINNERTZ, 1852: Linn. ent., 6: 57 (*Ceratopogon*). Type-locality: Crefeld [D].
- obscurus** (SANTOS ABREU, 1918): Mems R. Acad. Cienc. Artes Barcelona, 14(2): 323 (*Ceratolophus*, as var. of *rufigastris* SANTOS ABREU). Type-locality: Canary Is.—Distr.: Canary Is.
- paucisetosus** REMM, 1974: Tartu Ülik. Metsaosak. Toim., 327: 43 (*Ceratopogon*). Type-locality: Puhtu (Estonian SSR).—Distr.: USSR: CET (Est), ES (Yakut ASSR).
- romanicus** DAMIAN-GEORGESCU, 1972: Revue roum., biol. zool., 17(1): 19 (*Ceratopogon*). Type-localities: Gura-Zlata, lac Gemene (Roumania).
- rufigastris** (SANTOS ABREU, 1918): Mems R. Acad. Cienc. Artes Barcelona, 14(2): 321 (*Ceratolophus*). Type-locality: Canary Is.—Distr.: Canary Is.
- singularis** (SANTOS ABREU, 1918): Mems R. Acad. Cienc. Artes Barcelona, 14(2): 317 (*Ceratolophus*). Type-locality: Canary Is.—Distr.: Canary Is.
- unguis** (TOKUNAGA, 1940): Philipp. J. Sci., 72(3): 255 (*Culicoides*). Type-locality: Simogamo, Kyoto (Japan).—Distr.: Asia: Japan.

## Subgenus ISOHELEA KIEFFER, 1917

KIEFFER, 1917: *Annls hist.-nat. Mus. natn. hung.*, **15**: 295.

Type-species: *Ceratopogon lacteipennis*: WINNERTZ, 1852: *Linn. ent.*, **6**, 49 not ZETTERSTEDT, 1838; (orig. des.) [= *sociabilis* (GOETGHEBUER, 1920)]; a case of misidentified type-species.

- abdominalis** TOKUNAGA, 1940: *Philipp. J. Sci.*, **72**: 259 (*Ceratopogon*). Type-locality: Takasiba, Wakayama-ken (Japan).—Distr.: Asia: Japan.
- albitarsis** TOKUNAGA, 1940: *Philipp. J. Sci.*, **72**: 261 (*Ceratopogon*). Type-locality: Kibune, Kyoto (Japan).—Distr.: Asia: Japan.
- alpinus** CLASTRIER, 1961: *Archs Inst. Pasteur Algér.*, **39**(4): 413 (*Ceratopogon*). Type-locality: Heiligenblut (Austria).—Distr.: Europe: A, CH, D.
- aquilonalis** CLASTRIER, 1961: *Archs Inst. Pasteur Algér.*, **39**(4): 421 (*Ceratopogon*). Type-locality: "entre Karasjok et Kaunispaa" (Finland).—Distr.: Europe: SF.
- basiflagellatus** TOKUNAGA, 1940: *Philipp. J. Sci.*, **72**: 263 (*Ceratopogon*). Type-locality: Nagano, Honshu (Japan).—Distr.: Asia: Japan.
- borealis** (KIEFFER, 1919): *Ent. Mitt.*, **8**(1/3): 41 and *Annls hist.-nat. Mus. natn. hung.*, **17**: 68 (*Psilohelea*). Type-locality: "Lofoteninseln" (Norway).—Distr.: Europe: N.
- caucasicus** REMM, 1967: *Tartu Ülik. Metsaosak. Toim.*, **194**: 28 (*Ceratopogon*). Type-locality: Haragouli (Georgian SSR).—Distr.: USSR: TC (Ge, Arm).
- clavatus** CLASTRIER, 1966: *Annls Soc. ent. Fr. (N.S.)*, **2**(3): 706 (*Ceratopogon*). Type-locality: Puerto de Cruz, Teneriffe (Canary Is).—Distr.: Canary Is.
- croaticus** REMM, 1981: *ENSV TA Toim., biol.*, **30**(1): 32 (*Ceratopogon*, new name for *Psilohelea flaviventris* KIEFFER, 1919 not *Ceratopogon flaviventris* KIEFFER, 1917) (New Guinea).—Distr.: Europe: YU.
- flaviventris* (KIEFFER, 1919): *Annls hist.-nat. Mus. natn. hung.*, **17**: 66 (*Psilohelea*). Type-localities: Novi, Carlopago (Croatia, Yugoslavia).
- darvazi** REMM, 1974: *Tartu Ülik. Metsaosak. Toim.*, **327**: 55 (*Ceratopogon*). Type-locality: Nulvand (Tajik SSR).—Distr.: USSR: SMA (Tj).
- falcatus** REMM, 1974: *Tartu Ülik. Metsaosak. Toim.*, **327**: 54 (*Ceratopogon*). Type-locality: Kunashir.—Distr.: USSR: FE (Sakhalin, Kuril Is.).
- falcifer** TOKUNAGA, 1940: *Philipp. J. Sci.*, **72**: 261 (*Ceratopogon*). Type-locality: Toyohara (Sakhalin).—Distr.: USSR: FE (Sakhalin, Kuril Is.).
- ferganicus** REMM, 1974: *Tartu Ülik. Metsaosak. Toim.*, **327**: 56 (*Ceratopogon*). Type-locality: Arslanbob (Kirghiz SSR).—Distr.: USSR: SMA (Ki).
- griseipennis** (STORÅ, 1945): *Commentat. biol.*, **8**(10): 34 (*Isohelea*). Type-locality: Azores.—Distr.: Azores.
- hudjakovi** REMM, 1974: *Tartu Ülik. Metsaosak. Toim.*, **327**: 53 (*Ceratopogon*). Type-locality: Korta (Mari ASSR).—Distr.: USSR: CET.

- hyperboreus** CLASTRIER, 1961: Archs Inst. Pasteur Algér., 39(4): 415 (*Ceratopogon*). Type-locality: "entre Hammerfest et Banak" (Norway).—Distr.: Europe: N, SF.
- laricis** REMM, 1974: Tartu Ülik. Metsaosak. Toim., 327: 51 (*Ceratopogon*). Type-locality: Novo-Aleksandrovsk (Sakhalin).—Distr.: USSR: ES, FE (Sakhalin, Kunashir).
- longipalpis** (KIEFFER, 1925): Archs Inst. Pasteur Algér., 3: 412 (*Trishelea*). Type-locality: Zehlau Moor, Kaliningrad obl. (USSR).—Distr.: USSR: CET.
- magnipalpis** CLASTRIER, 1961: Archs Inst. Pasteur Algér., 39(4): 409 (*Ceratopogon*). Type-locality: Nice (France).—Distr.: Europe: F.
- montanus** TOKUNAGA, 1940: Tenthredo, 3(2): 152 (*Ceratopogon*). Type-locality: Yarizawa, Nagano-ken, Honshu (Japan).—Distr.: Asia: Japan.
- monticolus** TOKUNAGA, 1940: Philipp. J. Sci., 72: 262 (*Ceratopogon*). Type-locality: Tokugo-toge, Nagano-ken, Honshu (Japan).—Distr.: Asia: Japan.
- nitidulus** (EDWARDS, 1921): Scott. Nat., 115/116: 125 (*Psilohoelea*). Type-locality: Arran Machrie (Scotland).—Distr.: Europe: D, F, GB, SF; USSR: NET, CET (Est, Li, Rs), WS, ES, FE.
- crassiforceps* (KIEFFER, 1925): Archs Inst. Pasteur Algér., 3(4): 411 (*Trishelea*). Type-locality: Zehlau Moor, Kaliningrad obl. (USSR).
- turfaceus* (KIEFFER, 1925): Archs Inst. Pasteur Algér., 3(4): 415 (*Anakempia*). Type-locality: Zehlau Moor, Kaliningrad obl. (USSR).
- finniae* CLASTRIER, 1961: Archs Inst. Pasteur Algér., 39(4): 417 (*Ceratopogon*). Type-locality: "entre Karasjok et Kaunispää" (Finland).
- oreinus** REMM, 1974: Tartu Ülik. Metsaosak. Toim., 327: 55 (*Ceratopogon*). Type-locality: Arslanbob (Kirghiz SSR).—Distr.: USSR: SMA (Ki), KZ.
- pasquieri** CLASTRIER, 1961: Archs Inst. Pasteur Algér., 39(4): 402 (*Ceratopogon*). Type-locality: Tahifet (Algeria).—Distr.: North Africa: Algeria.
- pelecatius** REMM, 1974: Tartu Ülik. Metsaosak. Toim., 327: 54 (*Ceratopogon*). Type-locality: Arkit (Kirghiz SSR).—Distr.: USSR: SMA (Ki).
- perpusillus** (EDWARDS, 1921): Scott. Nat., 115/116: 125 (*Psilohoelea*). Type-locality: Brodick, Arran (Scotland).—Distr.: Europe: D, F, GB, IS, N, SF; USSR: CET, WS, ES, FE (Khabarovsk region, Sakhalin, Kamchatka).
- incompletus* (KIEFFER, 1925): Beitr. Kunde Estlands, 10: 153 (*Trishelea*). Type-locality: Zehlau Moor, Kaliningrad obl. (USSR).
- lapiae* CLASTRIER, 1961: Archs Inst. Pasteur Algér., 39(4): 416 (*Ceratopogon*). Type-locality: "entre Karasjok et Kaunispää" (Finland).
- sahariensis** CLASTRIER, 1961: Archs Inst. Pasteur Algér., 39(4): 422 (*Ceratopogon*). Type-locality: Amguel (Sahara Central) (Algeria).—Distr.: North Africa: Algeria.
- saxatilis** CLASTRIER, 1961: Archs Inst. Pasteur Algér., 39(4): 411 (*Ceratopogon*). Type-locality: Arak (Sahara Central) (Algeria).—Distr.: North Africa: Algeria.
- sevanicus** REMM, 1974: Tartu Ülik. Metsaosak. Toim., 327: 50 (*Ceratopogon*). Type-locality: Sevan Lake (Armenian SSR).—Distr.: USSR: TC (Arm).

- sociabilis** (GOETGHEBUER, 1920): Mém. Mus. r. Hist. nat. Belg., **8**(3): 68 (*Psilohelea*).  
Type-locality: Hockai (Belgium).—Distr.: Europe: B, D, DDR, GB, N, S, SF; USSR: NET, CET (Est, La, Rs).
- spiniger** REMM, 1974: Tartu Ülik. Metsaosak. Toim., **327**: 53 (*Ceratopogon*). Type-locality: Sary-Chelek (Kirghiz SSR).—Distr.: USSR: SMA (Ki).
- susunai** REMM, 1974: Tartu Ülik. Metsaosak. Toim., **327**: 51 (*Ceratopogon*). Type-locality: Novo-Aleksandrovsk (Sakhalin).—Distr.: USSR: FE.
- taivoi** REMM, 1974: Tartu Ülik. Metsaosak. Toim., **327**: 50 (*Ceratopogon*). Type-locality: Arslanbob (Kirghiz SSR).—Distr.: USSR: KZ, SMA (Ki).
- thienemanni** (MAYER, 1940): Zool. Anz., **129**(5/6): 162 (*Helea*). Type-locality: Abisko (Sweden).—Distr.: Europe: S.
- tiiveli** REMM, 1980: Tartu Ülik. Metsaosak. Toim., **516**: 103 (*Ceratopogon*). Type-locality: Kondara (Tajik SSR).—Distr.: USSR: SMA (Tj).
- turkestanicus** REMM, 1974: Tartu Ülik. Metsaosak. Toim., **327**: 56 (*Ceratopogon*). Type-locality: Burgan-su (Kirghiz SSR).—Distr.: USSR: SMA (Ki).
- ussuriensis** (GLUKHOVA, 1979): Ent. Obozr., **58**(1): 169 (*Isohelea*). Type-locality: Ussuri nat. res. (South Primorye).—Distr.: USSR: FE.
- vaillanti** (MAYER, 1955): Arch. Hydrobiol., **51**(1): 111 (*Helea*). Type-locality: Algeria.—Distr.: USSR: SET, TC, KZ; North Africa: Algeria.
- ajjerensis** CLASTRIER, 1961: Archs Inst. Pasteur Algér., **39**(4): 408 (*Ceratopogon*). Type-locality: Ihérir (Sahara Oriental).
- yariensis** TOKUNAGA, 1940: Tenthredo, **3**(2): 151 (*Ceratopogon*). Type-locality: Yarizawa, Nagano-ken, Honshu (Japan).—Distr.: Asia: Japan.

### **Ceratoculicoides** WIRTH et RATANAWORABHAN, 1971

- WIRTH and RATANAWORABHAN, 1971: Proc. ent. Soc. Wash., **73**(2): 170.  
Type-species: *Helea longipennis* WIRTH, 1952: Univ. Calif. Publ. Ent., **9**: 201 (orig. des.); not Palaeartic.
- gracilipes** (REMM, 1967): Tartu Ülik. Metsaosak. Toim., **194**: 27 (*Ceratopogon*). Type-locality: Haragouli (Georgian SSR).—Distr.: Europe: D, DDR; USSR: TC (Ge); Asia: Turkey. A junior primary homonym of *Ceratopogon gracilipes* WINNERTZ, 1852.
- tontoeguri** (HAVELKA, 1980): Decheniana, **133**: (*Ceratopogon*). Type-locality: Bonn, Annaberger Bach.—Distr.: Europe: D.

### **Nannohelea** GROGAN et WIRTH, 1980

- GROGAN and WIRTH, 1980: J. Kans. ent. Soc., **53**(2): 374.  
Type-species: *Ceratopogon bourioni* CLASTRIER, 1961: Archs Inst. Pasteur Algér., **39**(4): 424 (orig. des.).



**bourioni** (CLASTRIER, 1961): Archs Inst. Pasteur Algér., **39**(4): 424 (*Ceratopogon*).  
Type-locality: Golges de Keddara (Algeria).—Distr.: Europe: F; North Africa: Algeria.

### Brachypogon KIEFFER, 1899

KIEFFER, 1899: Bull. Soc. ent. Fr., **1899**: 69.

Type-species: *Ceratopogon vitiosus* WINNERTZ, 1852: Linn. ent., **6**: 49 (orig. des.).

**defectivus** (STROBL, 1905): Mem. R. Soc. esp. Hist. nat., **3**: 400 (*Ceratopogon*).  
Type-locality: Algeciras (Spain).—Distr.: Europe: E.

**nieves** (HAVELKA, 1976): Arch. Hydrobiol. Suppl., **50**(1): 91 (*Ceratopogon*). Type-localities: Breitenbach, Schlitz (D).—Distr.: Europe: D, E.

**vitiosus** (WINNERTZ, 1852): Linn. ent., **6**: 49 (*Ceratopogon*). Type-locality: Crefeld [D].—Distr.: Europe: A, CS, D, E, F, GB; USSR: CET (Est, Li, Rs), TC (Ge, Arm), KZ, SMA (Ki, Tj), ES, FE.

**minimus** (KIEFFER, 1924): Archs Inst. Pasteur Algér., **2**(3): 402 (*Anakempia*).  
Type-locality: Bitche (France).

**niger** (MAYER, 1934): Stettin. ent. Ztg, **95**(2): 291 (*Trishelea*). Type-locality: Liebenau, Neumark [D].

### Culicoides LATREILLE, 1809

LATREILLE, 1809: Hist. nat. Crust. Ins., **4**: 251.

Type-species: *Ceratopogon punctatus* MEIGEN, 1804: Klass. Beschr., **1**: 29 (mon.).

**Diplosella** KIEFFER, 1922: Archs Insts Pasteur Afr. N., **1**(1): 113. Type-species: *Culicoides sergenti* KIEFFER, 1922: l.c.: 113 (mon).

**Prosapelma** KIEFFER, 1925: Archs Inst. Pasteur Algér., **3**(4): 417. Type-species: *Prosapelma cinerea* KIEFFER, 1925: l.c.: 417 (orig. des.).

**Callotia** VARGAS et KREMER, 1972: Mosquito News, **32**(2): 242. Type-species: *Culicoides saevus* KIEFFER, 1922: Archs Insts Pasteur Afr. N., **2**(4): 506 (orig. des.).

**Wirthomyia** VARGAS, 1973: Mosquito News, **33**(1): 112. Type-species: *Culicoides segnis* CAMPBELL et PELHAM-CLINTON, 1968: Proc. R. Soc. Edinb. (B), **67**(3): 232 (orig. des.).

**Sensiculicoides** SHEVCHENKO, 1974: Vestn. Khark. Univ., biol., **6**: 109. Type-species: *Ceratopogon pictipennis* STAEGER, 1839: Naturh. Tidsskr., **2**: 594 (orig. des.).

**Remmia** GLUKHOVA, 1977: Parazit. Sb., **27**: 116. Type-species: *Ceratopogon schultzei* ENDERLEIN, 1908: Denkschr. med.-naturw. Ges. Jena, **13**: 459 (orig. des.).

- Silvaticulicoides* GLUKHOVA, 1977: Parazit. Sb., **27**: 117. Type-species: *Ceratopogon fascipennis* STAEGER, 1839: Naturh. Tidsskr., **2**: 594 (orig. des.).
- Oecacta* POEY, 1851: see below as subgenus.
- Beltranmyia* VARGAS, 1953: see below as subgenus.
- Monoculicoides* KHALAF, 1954: see below as subgenus.
- Avaritia* FOX, 1955: see below as subgenus.
- Trithecooides* WIRTH et HUBERT, 1959: see below as subgenus.
- Pontoculicoides* REMM, 1968: see below as subgenus.

#### Subgenus TRITHECOIDES WIRTH et HUBERT, 1959

- WIRTH and HUBERT, 1959: Pacif. Insects, **1**(1): 2.  
Type-species: *Culicoides flavicutatus* WIRTH et HUBERT, 1959: l.c.: 34 (orig. des.); not Palaearctic.
- humeralis** OKADA, 1941: J. Coll. Agric. imp. Univ. Tokyo, **15**(1): 20 (*Culicoides*).  
Type-locality: Honshu (Japan).—Distr.: USSR: FE; Asia: China, Japan; Oriental Region.
- matsuzawai** TOKUNAGA, 1950: Jap. J. sanit. Zool., **1**(3): 64 (*Culicoides*). Type-locality: Kyushu (Japan).—Distr.: USSR: FE; Asia: Japan, China; Taiwan.
- flavidorsum** SHEVCHENKO et LISETSKY, 1969: Zool. Zh., **48**(9): 1413 (*Culicoides*). Type-locality: "Kedrovaya Pad", nat. res. Primorye region (USSR).

#### Subgenus CULICOIDES LATREILLE, 1809

- almeidae** CAMBOURNAC, 1970: Anais Esc. nac. Saúde públ. e. Med. trop., **4**(1-4): 251 (*Culicoides*). Type-locality: Portugal.—Distr.: Europe: P.
- amamiensis** TOKUNAGA, 1937: Tenthredo, **1**(3): 325 (*Culicoides*). Type-locality: Amami-oshima, Ryukyu (Japan).—Distr.: Asia: China (Manchuria, Tibet), Japan; Oriental Region; New Guinea.
- ohmorii** TAKAHASHI, 1958: Acta biol., Niigata, **6**(2): 111 (*Culicoides*, as subsp. of *amamiensis*). Type-locality: Niigata (Japan).
- aterinervis** TOKUNAGA, 1937: Tenthredo, **1**(3): 312 (*Culicoides*). Type-locality: Nakao, Gifu Pref. Honshu (Japan).—Distr.: USSR: FE; Asia: Japan, China (Tibet); Taiwan.
- cylindratus** KITAOKA, 1980: Natn. Inst. Anim. Hlth. Q., **20**(1): 16 (*Culicoides*). Type-locality: Amami-oshima (Japan).—Distr.: Asia: Japan (Nansei Is.); Taiwan.
- delta** EDWARDS, 1939: British blood-sucking flies: 48 (*Culicoides*). Type-localities: Arran and Perthshire (Great Britain).—Distr.: Europe: CH, CS, D, F, GB, PL, R; USSR: CET (Est, Li, By, Rs, Uk), SET (Rs, Uk), TC (Ge, Arm), ES.

- lupicaris* DOWNES et KETTLE, 1952: Proc. R. ent. Soc. Lond. (B), 21(5-6): 76 (*Culicoides*). Type-locality: Glasgow, Lanarkshire (Great Britain).
- dubius** ARNAUD, 1956: Microentomology, 21(3): 100 (*Culicoides*). Type-locality: Ishikari, Sapporo, Hokkaido (Japan).—Distr.: USSR: FE; Asia: Japan; Taiwan.
- fagineus** EDWARDS, 1939: British blood-sucking flies: 147 (*Culicoides*). Type-locality: Hants, Bank nr Lyndhurst (Great Britain).—Distr.: Europe: CS, F, GB, I; USSR: NET, CET, TC, SMA (Tj), ES; Asia: Israel; North Africa: Morocco, Algeria.
- flavipulicaris** DZHAFAROV, 1964: Кровосос. мокрецы Закавказья: 238 (*Culicoides*). Type-locality: Alazani valley (Azerbaijan SSR).—Distr.: USSR: TC (Az), SMA (Ki, Tj), ES; Asia: Mongolia.
- grisescens** EDWARDS, 1939: British blood-sucking flies: 146 (*Culicoides*). Type-locality: Hants (Great Britain).—Distr.: Europe; USSR; Asia: Iran, Mongolia, North China, Tibet.
- remmi* DAMIAN-GEORGESCU, 1972: Revue roum. biol. zool., 17(1): 16 (*Culicoides*). Type-locality: Gura-Zlata (Roumania).
- flavus* GORNOSTAJEVA, 1980: Zool. Rec. (Kiev), 1980(6): 81 (*Culicoides*, as subsp. of *grisescens*). Type-locality: Abakan, Hakassian AO.
- impunctatus** GOETGHEBUER, 1920: Mém. Mus. r. Hist. nat. Belg., 8(3): 55 (*Culicoides*). Type-locality: Hockai (Belgium).—Distr.: Europe; USSR; Asia: North China.
- minor* TOKUNAGA, 1941: Insecta matsum., 15(3): 97 (*Culicoides*, as var. of *impunctatus*). Type-locality: Yablonia, Manchuria.
- kirinensis** LEE, 1976: The blood-sucking Ceratopogonidae, Simuliidae and Tabanidae of northern China: 47 (*Culicoides*). Type-locality: Jilin (China).—Distr.: Asia: China.
- lasaensis** LEE, 1978: Biting midges of the China: 63 (*Culicoides*). Type-locality: Tibet.—Distr.: Asia: China (Tibet).
- newsteadi** AUSTEN, 1921: Bull. ent. Res., 12: 113 (*Culicoides*). Type-locality: Jerisheh (Israel).—Distr.: Europe; USSR: CET (La), SET (Uk, Rs), TC, SMA (Tj, Tu); Asia: Turkey, Israel, Iraq, Iran; North Africa: Algeria, Morocco, Egypt.
- halophilus* KIEFFER, 1924: Archs Inst. Pasteur Algér., 2(3): 404 (*Culicoides*). Type-locality: Oldesloc (Norway).
- biclavatus* KIEFFER, 1924: Bull. Soc. Hist. nat. Moselle, 30: 14 (*Culicoides*). Type-locality: Holstein [D].
- edwardsianus* GOETGHEBUER, 1933: Bull. Annl's Soc. r. ent. Belg., 73: 367; (*Culicoides*, as new name for *C. edwardsi* GOETGHEBUER, 1933, a junior primary homonym of *Culicoides edwardsi* GOETGHEBUER, 1921).
- edwardsi* GOETGHEBUER, 1933: 13a. Heleidae, Fliegen pal. Reg., 3: 46 (*Culicoides*, as var. of *pulicaris* LINNAEUS). Type-locality: Europe.

- nipponensis** TOKUNAGA, 1955: *Scient. Rep. Saikyo Univ. Agric.*, 7: 4 (*Culicoides*).  
Type-localities: Kodaira-Machi, Kita-Tama-Gun, Tokyo-To (Japan).—  
Distr.: USSR: FE; Asia: China, Japan, Korea; Taiwan.
- peregrinus** KIEFFER, 1910: *Mem. Indian Mus.*, 2(4): 191 (*Culicoides*). Type-locality:  
Orissa Coast, Puri (India).—Distr.: Asia: China (Inner Mongolia), Japan  
(Okinawa); Oriental Region.
- pulicaris** (LINNAEUS, 1758): *Syst. nat. Ed. 10, 1*: 603 (*Culex*). Type-locality:  
Europe.—Distr.: Europe; USSR; Asia: Israel, Iran, Mongolia, China,  
Japan; North Africa: Algeria, Morocco, Egypt; Afrotropical Region.
- setosinervis** KIEFFER, 1913: *Bull. Soc. Hist. nat. Moselle*, 28: 8 (*Culicoides*).  
Type-locality: Diemel, Sauerland [D].
- pullatus** KIEFFER, 1915: *Arch. Hydrobiol. Suppl.*, 2(2): 474 (*Culicoides*). Type-  
locality: not given (?D).
- cinerellus** KIEFFER, 1919: *Annl. hist.-nat. Mus. natn. hung.*, 17: 40 (*Culi-  
coides*). Type-locality: Kőrösmező (USSR, Carpathian).
- quinquepunctatus** GOETGHEBUER, 1921: *Mém. Mus. r. Hist. nat. Belg.*, 8(4): 177  
(*Culicoides*). Type-locality: Hockai (Belgium).
- flavipluma** KIEFFER, 1924: *Bull. Soc. Hist. nat. Moselle*, 30: 19 (*Culicoides*).  
Type-locality: Holstein [D].
- sawamotoi** KONO et TAKAHASI, 1940: *Insecta matsum.*, 14(2/3): 75 (*Cu-  
licoides*). Type-locality: North Sakhalin.
- punctatus** (MEIGEN, 1804): *Klass. Beschr.*, 1: 29 (*Ceratopogon*). Type-locality: not  
given (?Aachen) [D].—Distr.: whole Palaearctic Region; West Africa.
- stephensi** CARTER, 1916: *Ann. trop. Med. Parasit.*, 10(1): 135 (*Culicoides*).  
Type-locality: Egypt.
- ocellaris** KIEFFER, 1921: *Annl. Soc. scient. Brux.*, 40: 276 (*Culicoides*). Type-  
locality: Latvian SSR.
- kasachstanicus** SHAKIRZJANOVA, 1963: *Кровососущие мокрецы Казах-  
стана*: 63 (*Culicoides*, as subsp. of *pulicaris* LINNAEUS). Type-locality:  
Kazakh SSR.
- towadaensis** OKADA, 1941: *J. Coll. Agric. imp. Univ. Tokyo*, 15(1): 25 (*Culicoides*).  
Type-locality: Towada, Aomori pref., Honshu (Japan).—Distr.: Asia:  
Japan.

#### Subgenus AVARITIA Fox, 1955

FOX, 1955: *J. Agric. Univ. P. Rico*, 39: 218.

Type-species: *Ceratopogon obsoletus* MEIGEN, 1818: *Syst. Beschr.*, 1: 76 (orig.  
des.).

- abchazicus** DZHAFAROV, 1964: *Кровососущие мокрецы Закавказья*: 263 (*Cu-  
licoides*). Type-locality: Avadharu (above the Riza lake) (Georgian  
SSR).—Distr.: Europe: CS; USSR: TC (Ge, Arm).
- actoni** SMITH, 1929: *Indian J. med. Res.*, 17(1): 255 (*Culicoides*). Type-locality:  
India.—Distr.: Asia: Japan (Okinawa), China (Hubei); Oriental Region.



- okumensis* ARNAUD, 1956: *Microentomology*, **21**(3): 119 (*Culicoides*). Type-locality: Okinawa (Japan).
- chiopertus** (MEIGEN, 1830): *Syst. Besch.*, **6**: 263 (*Ceratopogon*). Type-locality: not given (?Aachen).—Distr.: Europe; USSR; Asia: Israel, North China, Japan; North America.
- amoenus* (WINNERTZ, 1852): *Linn. ent.*, **6**: 35 (*Ceratopogon*). Type-locality: Crefeld [D].
- dobyi* CALLOT et KREMER, 1969: *Bull. Soc. Path. exot.*, **62**(3): 610 (*Culicoides*). Type-localities: Fer-à-Cheval (Haute-Savoie) and Mijoux (Ain) (France).
- dewulfi** GOETGHEBUER, 1936: *Bull. Anns Soc. r. ent. Belg.*, **76**: 320 (*Culicoides*). Type-locality: Poperinghe (Belgium).—Distr.: Europe: B, CS, DK, F, GB, R; USSR: CET (Est), SET (Uk), TC, SMA (Ki, Tj, Tu), WS.
- pseudochiopertus* DOWNES et KETTLE, 1952: *Proc. R. ent. Soc. Lond.* (B), **21**(5/6): 67 (*Culicoides*). Type-locality: Glasgow, Lanarkshire (Great Britain).
- filicinus** GORNOSTAJEVA et GACHEGOVA, 1972: *Parazitologiya*, **6**(6): 522 (*Culicoides*). Type-locality: West Sayan Mts, Sayan hydroelectric power-station.—Distr.: USSR: ES, FE.
- imicola** KIEFFER, 1913: *Voyage de Ch. Alluaud et R. Jeannel, Dipt.*: **1**: 11 (*Culicoides*). Type-locality: East Africa.—Distr.: Europe: CY; Asia: Turkey, Israel, Iraq, Iran; North Africa: Algeria, Morocco, Egypt; Afrotropical Region.
- [*pallidipennis* CARTER, INGRAM et MACFIE, 1920: *Ann. trop. Med. Parasit.*, **14**(2): 265 (*Culicoides*). Type-locality: Accra (Ghana).]
- iraquensis* KHALAF, 1957: *Bull. Soc. ent. Égypte*, **41**: 343 (*Culicoides*). Type-locality: Baghdad (Iraq).
- jacobsoni** MACFIE, 1934: *Tijdschr. Ent.*, **77**: 215 (*Culicoides*). Type-locality: Fort de Koek (Sumatra).—Distr.: Asia: Japan (Honshu, Ryukyu); SE Asia; New Guinea.
- kitaokai* TOKUNAGA, 1955: *Scient. Rep. Saikyo Univ. Agric.*, **7**: 6 (*Culicoides*). Type-localities: Kodaira-Machi, Kita-Tama-Gun, Tokyo-to, Honshu (Japan).
- maculatus** (SHIRAKI, 1913): *Spec. Rep. High Gov. Agric. Stat. Formosa*, **8**: 296 (*Ceratopogon*). Type-locality: Taiwan.—Distr.: Asia: China, Japan; Taiwan.
- kii* TOKUNAGA, 1937: *Tenthredo*, **1**(3): 284 (*Culicoides*). Type-locality: Kii, Wakayama Pref., Honshu (Japan).
- sigiensis* TOKUNAGA, 1937: *Tenthredo*, **1**(3): 322 (*Culicoides*). Type-locality: Mount Ryozen, Siga Pref. (Japan).
- kyotoensis* TOKUNAGA, 1937: *Tenthredo*, **1**(3): 329 (*Culicoides*). Type-locality: Kyoto (Japan).

- montanus** SHAKIRZJANOVA, 1962: Trudy Inst. Zool., Alma-Ata, **18**: 258 (*Culicoides*). Type-locality: Talass Alatau (Kazakh SSR).—Distr.: USSR: KZ, SMA; Asia: Israel; North Africa: ?Morocco.
- obsoletus** (MEIGEN, 1818): Syst. Besch., **1**: 76 (*Ceratopogon*). Type-locality: not given (?Aachen) [D].—Distr.: Whole forest zone of Europe and USSR; Asia: Turkey; North Africa: Algeria, Morocco; Canary Is., Azores; North America.
- varius** (WINNERTZ, 1852): Linn. ent., **6**: 35 (*Ceratopogon*). Type-locality: Crefeld [D].
- yezoensis** (MATSUMURA, 1911): J. Coll. Agric. Tohoku Univ., **4**(1): 60 (*Ceratopogon*). Type-locality: "Korsakoff" (Sakhalin).
- obscuripes** SANTOS ABREU, 1918: Mems R. Acad. Cienc. Artes Barcelona, **14**(2): 297 (*Culicoides*, as var. of *varius*). Type-locality: Canary Is.
- lacteinervis** KIEFFER, 1919: Anns hist.-nat. Mus. natn. hung., **17**: 47 (*Culicoides*). Type-locality: Hungary.
- clavatus** KIEFFER, 1921: Bull. Soc. Hist. nat. Moselle, **29**: 56 (*Culicoides*). Type-locality: Germany.
- rivicola** KIEFFER, 1921: Bull. Soc. Hist. nat. Moselle, **29**: 56 (*Culicoides*). Type-locality: Schleswig-Holstein [D].
- heterocerus** KIEFFER, 1921: Bull. Soc. Hist. nat. Moselle, **29**: 57 (*Culicoides*). Type-locality: Schleswig-Holstein [D].
- concitus** KIEFFER, 1922: Ann. Soc. scient. Brux., **42**(1): 75 (*Culicoides*). Type-locality: Klostermühle, Thüringe [D].
- pegobius** KIEFFER, 1922: Ann. Soc. scient. Brux., **41**(2): 235 (*Culicoides*). Type-locality: Germany.
- kabylensis** KIEFFER, 1922: Archs Insts Pasteur Afr. N., **2**(4): 505 (*Culicoides*). Type-locality: Algeria.
- intermedius** OKADA, 1941: J. Coll. Agric. imp. Univ. Tokyo, **15**(1): 14 (*Culicoides*, as var. of *obsoletus*). Type-locality: Japan. A junior primary homonym of *Culicoides intermedius* SANTOS ABREU, 1918.
- sintrensis** CAMBOURNAC, 1956: Anais Inst. Med. trop., Lisb., **13**(4): 591 (*Culicoides*). Type-locality: Portugal.
- pastus** KITAOKA, 1980: Natn. Inst. Anim. Hlth. Q., **20**(1): 11 (*Culicoides*). Type-locality: Miyagi Pref. (Japan).—Distr.: Asia: Japan (Hokkaido, Honshu).
- sanguisuga** (COQUILLET, 1901): Proc. U.S. natn. Mus., **23**: 604 (*Ceratopogon*). Type-locality: Marlboro, Maryland (USA).—Distr.: USSR: CET, ES; North America.
- scoticus** DOWNES et KETTLE, 1952: Proc. R. ent. Soc. Lond. (B), **21**(5/6): 65 (*Culicoides*). Type-locality: Glasgow (Scotland).—Distr.: Central and South Europe: GB; USSR: CET (Est, By, Rs, Uk), TC (Ge, Az), ES; North Africa: Algeria, Morocco.
- seimi** SHEVCHENKO, 1967: Ent. Obozr., **46**(1): 173 (*Culicoides*). Type-locality: Tshernigov district (Ukrainian SSR).—Distr.: USSR: CET (Uk), SET (Uk).

- sinanoensis** TOKUNAGA, 1937: *Tenthredo*, 1(3): 331 (*Culicoides*). Type-locality: Kamikochi, Nagano Pref., Honshu (Japan).—Distr.: USSR: ES, FE; Asia: Japan, North China, ?Iran.
- obsoletiformis** AMOSSOVA, 1957: *Ent. Obozr.*, 36(1): 233 (*Culicoides*). Type-locality: Ussuri nat. res., Primorye region (USSR).
- tibetensis** CHU, 1977: *Acta ent. sin.*, 20(1): 102 (*Culicoides*). Type-locality: Tibet.—Distr.: Asia: China (Tibet).
- tobaensis** TOKUNAGA, 1937: *Tenthredo*, 1(3): 317 (*Culicoides*). Type-locality: Toba, Mie Pref., Honshu (Japan).—Distr.: Asia: Japan.

#### Subgenus PONTOCULICOIDES REMM, 1968

- REMM in REMM and ZHOGOLEV, 1968: *Ent. Obozr.*, 47(4): 840.  
Type-species: *Culicoides tauricus* GUTSEVICH, 1959: *Ent. Obozr.*, 38(3): 677 (orig. des.).
- ibericus** DZHAFAROV, 1964: Кровососущие мокрецы Закавказья: 355 (*Culicoides*). Type-locality: Transcaucasus (USSR).—Distr.: Europe I, USSR: CET (Est, Rs), SET (Rs), TC (Az, Ge); Asia: Iran.
- mirzaevi** GLUKHOVA et KHABIROV, 1977: *Dokl. Akad. Nauk tadjik. SSR*, 20(12): 50 (*Culicoides*). Type-locality: Vantsh valley, Bunai (Tajik SSR).—Distr.: USSR: SMA (Tj).
- saevus** KIEFFER, 1922: *Archs Insts Pasteur Afr. N.*, 2(4): 506 (*Culicoides*). Type-locality: Algeria.—Distr.: Europe: BG, CS, H, R; USSR: SET, TC, KZ, SMA; Asia: Turkey, Iran, Iraq, Afghanistan, North China; North Africa.
- drenskii** ZILAHİ-SEBESS, 1934: *Bull. Soc. ent. Bulg.*, 8: 154 (*Culicoides*). Type-locality: Bulgaria.
- micromaculithorax** KHALAF, 1957: *Bull. Soc. ent. Égypte*, 41: 340 (*Culicoides*). Type-locality: Baghdad (Iraq).
- sejfadinei** DZHAFAROV, 1958: *Dokl. Akad. Nauk. azerb. SSR*, 14(3): 247 (*Culicoides*). Type-locality: Ordubad district (Nakhichevan ASSR).—Distr.: Europe: YU; USSR: TC (Arm, Az), SMA; Asia: Iran, China (Shanxi); North Africa: Morocco, Algeria.
- flavidus** DZHAFAROV, 1959: *Ent. Obozr.*, 38(2): 470 (*Culicoides*). Type-locality: Ordubad district (Nakhichevan ASSR).
- slovacus** ORSZÁGH, 1969: *Annotnes zool.-bot. Bratisl.*, 59: 1 (*Culicoides*). Type-locality: Zadiel (East Slovakia).—Distr.: Europe: CS, PL.
- tauricus** GUTSEVICH, 1959: *Ent. Obozr.*, 38(3): 677 (*Culicoides*). Type-locality: Crimea.—Distr.: Europe: CS, D, F, PL, R; USSR: SET (Uk), TC (Ge, Arm), SMA (Uz, Tj).

Subgenus *OECACTA* POEY, 1851

POEY, 1851: Mem. hist. nat. Isla Cuba, 1: 236

Type-species: *Oecacta furens* POEY l.c.: 236 (mon.); not Palaearctic.

**achkamalicus** DZHAFAROV, 1964: Кровососущие мокрецы Закавказья: 251 (*Culicoides*). Type-locality: Ahkamal hill, Zakatal res. (Azerbaijan SSR).—Distr.: USSR: SET (Rs), TC (Az).

**achrayi** KETTLE et LAWSON, 1955: Proc. R. ent. Soc. Lond. (B), 24(3/4): 37 (*Culicoides*). Type-locality: Trossachs, Loch Achray, Perthshire (Great Britain).—Distr.: Europe: CS, D, F, GB, PL; USSR: CET, SET, TC, KZ, SMA, ?ES.

**alatavicus** GUTSEVICH et SMATOV in SMATOV and ISIMBEKOV, 1971: Izv. Akad. Nauk kazakh. SSR, biol., 1971(4): 61 (*Culicoides*, new name for *C. fuscus* GUTSEVICH et SMATOV, 1966, a junior primary homonym of *Culicoides fuscus* GOETGHEBUER, 1952).—Distr.: USSR: KZ, SMA (Ki, Tj), ES; Asia: Mongolia, China (Manchuria).

*fuscus* GUTSEVICH et SMATOV, 1966: Trudy Inst. Zool., Alma-Ata, 25: 71 (*Culicoides*). Type-locality: Narynkol, Alma-Ata obl. (Kazakh SSR).

**alazanicus** DZHAFAROV, 1961: Izv. Akad. Nauk azerb. SSR, biol., 1961(2): 75 (*Culicoides*). Type-locality: Gandakh, Alazan valley (Azerbaijan SSR).—Distr.: Europe: F, GB, YU; USSR: SET (Uk), TC (Az).

*musilator* KREMER et CALLOT, 1961: Anns Parasit. hum. comp., 36(4): 693 (*Culicoides*). Type-locality: Bas-Rhin, Hangenbieten, Canal de la Bruche (France).

**albicans** (WINNERTZ, 1852): Linn. ent., 6: 41 (*Ceratopogon*). Type-locality: Crefeld [D].—Distr.: North and Central Europe; USSR: NET, CET, SET (Uk), WS, ES; Asia: ?China.

**alexandrae** DZHAFAROV, 1962: Ent. Obozr., 41(1): 211 (*Culicoides*). Type-localities: Kuba district and Sunnular river (Azerbaijan SSR).—Distr.: USSR: TC (Az), SMA (Tu, Uz); Asia: China (Uiguri).

**algeriensis** CLASTRIER, 1957: Archs Inst. Pasteur Algér., 35(4): 426 (*Culicoides*). Type-locality: "parc municipal du Mont Riant" (Algeria).—Distr.: North Africa: Algeria

**altaicus** REMM, 1972: Tartu Ülik. Metsaosak. Toim., 293: 80 (*Culicoides*). Type-locality: Kurai steppe, Altay (USSR).—Distr.: USSR: SMA (Ki), WS.

**amossovae** REMM, 1971: Живая природа Дальнего Востока: 205 (*Culicoides*). Type-locality: nat. res. "Kedrovaya Pad" Primorye region (USSR).—Distr.: USSR: FE (Primorye region, Sakhalin).

**aquilinus** SMATOV et KRAVETS, 1976: Parazitologiya, 10(3): 284 (*Culicoides*). Type-locality: 70 km SW of Turgai (Kazakh SSR).—Distr.: USSR: KZ.

**arboreus** GUTSEVICH, 1952: Parazit. Sb., 14: 90 (*Culicoides*). Type-locality: 30 km N of Ussurijsk, Primorye region (USSR).—Distr.: USSR: SMA (Tj, Tu), FE.



- arnaudi** HUBERT et WIRTH, 1961: Proc. ent. Soc. Wash., **63**(4): 238 (*Culicoides*). Type-locality: Chibana, Okinawa (Japan).—Distr.: Japan (Honshu, Okinawa).
- asiaticus** GUTSEVICH et SMATOV, 1966: Trudy Inst. Zool., Alma-Ata, **25**: 75 (*Culicoides*). Type-locality: Koktal, Balhash district (Kazakh SSR).—Distr.: USSR: KZ, SMA.
- atripennis** SHEVCHENKO, 1972: Zool. rec. (Kiev), **6**(5): 77 (*Culicoides*). Type-locality: Tshernyi river (Ukrainian SSR).—Distr.: USSR: SET.
- azerbajdzhanicus** DZHAFAROV, 1962: Ent. Obozr., **41**(1): 211 (*Culicoides*). Type-locality: Kurekchai river (Azerbaijan SSR).—Distr.: Europe: CY; USSR: TC (Az, Arm), SMA (Tu, Uz); Asia: Iran, Israel; North Africa: Algeria, Morocco; East Africa.
- begueti** CLASTRIER, 1957: Archs Inst. Pasteur Algér., **35**(4): 432 (*Culicoides*). Type-locality: 11 km towards Blida (Algeria).—Distr.: Europe: F, I; USSR: Crimea; Asia: Israel; North Africa: Algeria, Morocco.
- beybienkoi** DZHAFAROV, 1962: Ent. Sb. Inst. zool. azerb. SSR, **1**: 183 (*Culicoides*). Type-locality: Divitshi (Azerbaijan SSR).—Distr.: USSR: TC (Az), SMA (Tu, Uz).
- brunnicans** EDWARDS, 1939: British blood-sucking flies: 43 (*Culicoides*). Type-locality: London distr. (Great Britain).—Distr.: Europe: CS, E, GB, P; Asia: Israel.
- bulbostylus** KHALAF, 1961: Beitr. Ent., **11**(3/4): 463 (*Culicoides*). Type-locality: Badoosh (Iraq).—Distr.: USSR: SET (Dagestan ASSR), TC (Arm, Az), SMA (Uz, Tj, Tu); Asia: Iraq, Iran.
- burylovi** GLUKHOVA et KHABIROV, 1977: Dokl. Akad. Nauk tadjik. SSR, **20**(12): 52 (*Culicoides*). Type-locality: Bunai, Vantsh valley (Tadjik SSR).—Distr.: USSR: SMA (Tj).
- bychowskyi** DZHAFAROV, 1964: Кровососущие мокрецы Закавказья: 344 (*Culicoides*). Type-locality: Kura valley (Azerbaijan SSR).—Distr.: USSR: TC (Az), SMA (Tu, Uz).
- caliginosus** GOETGHEBUER, 1952: Bull. Inst. r. Sci. nat. Belg., **28**: 2 (*Culicoides*). Type-locality: Poperinghe (Belgium).—Distr.: Europe: B.
- calloti** KREMER, DELECOLLE, BAILLY-CHOUMARA et CHAKER, 1979: Cah. ORSTOM, ser. Ent. Med. Parasit., **17**(3): 195 (*Culicoides*). Type-locality: Tarhijht (Morocco).—Distr.: Asia: Israel; North Africa: Morocco.
- cameroni** CAMPBELL et PELHAM-CLINTON, 1960: Proc. R. Soc. Edinb. (B), **67**(3): 222 (*Culicoides*). Type-locality: Port Appin, Argyllshire (Scotland).—Distr.: Europe: CS, GB, R.
- cataneii** CLASTRIER, 1957: Archs Inst. Pasteur Algér., **35**(4): 438 (*Culicoides*). Type-locality: Tipasa (Algeria).—Distr.: Europe: CY, F, GB, I, YU; USSR: SET (Uk), SMA (Tu); Asia: Israel, Iraq, Iran; North Africa: Algeria, Morocco.

- caucoliberensis** CALLOT, KREMER et RIOUX, 1967: Bull. Soc. zool. Fr., **92**(4): 827 (*Culicoides*). Type-locality: Collipure (East Pyrenees) (France).—Distr.: Europe: F.
- charadraeus** ARNAUD, 1956: Microentomology, **21**(3): 97 (*Culicoides*). Type-locality: Kibune, Kyoto Pref., Honshu (Japan).—Distr.: Asia: Japan; Taiwan.
- chitinosus** GUTSEVICH et SMATOV, 1966: Trudy Inst. Zool., Alma-Ata, **25**: 67 (*Culicoides*). Type-locality: Iliisk (Kazakh SSR).—Distr.: USSR: ?CET (Rs), KZ; Asia: North China.
- clastrieri** CALLOT, KREMER et DEDUIT, 1962: Anns Parasit. hum. comp., **37**(1/2): 156 (*Culicoides*). Type-locality: Guémar, Haut-Rhin (France).—Distr.: Europe: F, YU; USSR: CET (Carpathians).
- comosioculatus** TOKUNAGA, 1956: Scient. Rep. Saikyo Univ. Agric., **8**: 121 (*Culicoides*). Type-locality: Mt. Hijiri between Nagano and Shizuoka Prefs, Honshu (Japan).—Distr.: Europe: in mountains of Central Europe (CS, DDR, PL, R); USSR: Carpathians, Caucasus, FE (Sikhote-Alin, Sakhalin); Asia: Japan.
- chaetophthalmus* AMOSSOVA, 1957: Ent. Obozr., **36**(1): 237 (*Culicoides*). Type-locality: Ussuri nat. res., Primorye region (USSR).
- caucasicus* SERGEJEV, 1959: Trudy kavk. Zap., **5**: 202 (*Culicoides*, as subsp. of *chaetophthalmus*). Type-locality: Guzerpil, Caucasus nat. res., Krasnodar kray (USSR).
- setosus* GUTSEVICH, 1960: Кровососущие мокрецы фауны СССР: 106 (*Culicoides*). Type-locality: Skole, Lvov obl. (USSR).
- corsis** KREMER, LEBERRE et BEAUCOURNU-SAGUEZ, 1971: Anns Parasit. hum. comp., **46**(5): 655 (*Culicoides*). Type-locality: Corse (France).—Distr.: Europe: F.
- crassipilosus** TOKUNAGA, 1937: Tenthredo, **1**(3): 276 (*Culicoides*). Type-locality: Yukawa, Wakayama Pref., Honshu (Japan).—Distr.: Asia: Japan (Honshu, Ryukyu).
- balius* ARNAUD, 1956: Microentomology, **21**(3): 96 (*Culicoides*). Type-locality: Toba, Mie Pref., Honshu (Japan).
- dendriticus** BOORMAN, 1976: Entomologist's Gaz., **27**(2): 102 (*Culicoides*). Type-locality: Starcross, Devon (England).—Distr.: Europe: GB.
- dendrophilus** AMOSSOVA, 1957: Ent. Obozr., **36**(1): 240 (*Culicoides*). Type-locality: Primorye region (USSR).—Distr.: USSR: FE; Asia: Japan, ?Iran.
- reesi* BULLOCK et AKIYAMA, 1959: Jap. J. Sanit. Zool., **10**(1): 24 (*Culicoides*). Type-locality: Japan.
- derisor** CALLOT et KREMER, 1965: Anns Parasit. hum. comp., **40**(3): 330 (*Culicoides*). Type-locality: Canadel (Dep. Var) (France).—Distr.: Europe: F; Asia: Israel; North Africa: Morocco.
- dispersus** GUTSEVICH et SMATOV, 1966: Trudy Inst. Zool., Alma-Ata, **25**: 76 (*Culicoides*). Type-locality: Iliisk (Kazakh SSR).—Distr.: USSR: KZ.

- duddingstoni** KETTLE et LAWSON, 1955: Proc. R. ent. Soc. Lond. (B), **24**(3/4): 42 (*Culicoides*). Type-locality: Duddingston Loch, Edinburgh (Scotland).—Distr.: Europe: CS, D, DK, F, GB, PL, R; USSR: CET (Est), SET (Uk, Rs), TC, SMA (Uz).
- dzhafarovi** REMM, 1967: Tartu Ülik. Metsaosak. Toim., **194**: 25 (*Culicoides*). Type-locality: Kuheti (Azerbaijan SSR).—Distr.: Europe: F, YU; USSR: TC, KZ, SMA (Tu, Tj, Uz); Asia: Iran; North Africa: Algeria, Morocco.
- dzhafarovi* CALLOT, KREMER, MOLET et BACH, 1968: Anns Parasit. hum. comp., **43**(1): 95 (*Culicoides*). Type-locality: Var entre Vidauban et la Garde (France).
- erairai** KONO et TAKAHASI, 1940: Insecta matsum., **14**: 70 (*Culicoides*). Type-locality: Sapporo, Hokkaido (Japan).—Distr.: USSR: ES, FE; Asia: China, Japan.
- faghihi** NAVAII, 1971: Mosquito News, **31**(2): 199 (*Culicoides*). Type-locality: Baluch-Ab (South Iran).—Distr.: Asia: Israel, Iran; North Africa: Algeria, Morocco.
- fascipennis** (STAEGER, 1839): Naturh. Tidsskr., **2**: 594 (*Ceratopogon*). Type-locality: Denmark.—Distr.: Europe; USSR: whole forest zone; Asia: North China.
- distictus* KIEFFER in KIEFFER and THIENEMANN, 1916: Arch. Hydrobiol. Suppl., **2**(3): 492 (*Culicoides*). Type-locality: Sweden.
- turficola* KIEFFER, 1925: Beitr. Kunde Estlands, **10**: 155 (*Culicoides*). Type-localities: Alatu and Jööpre Moors (Estonian SSR).
- festivipennis** KIEFFER, 1914: Arch. Hydrobiol. Suppl., **2**(1): 235 (*Culicoides*). Type-locality: Münsterland (Steinfurter Aa) [D].—Distr.: nearly whole Palaearctic Region.
- odibilis* AUSTEN, 1921: Bull. ent. Res., **12**: 114 (*Culicoides*). Type-locality: Jerisheh (Israel).
- winnertzi* EDWARDS, 1926: Trans. R. ent. Soc. Lond., **74**: 406 (*Culicoides*, new name for *C. pictipennis*: WINNERTZ, 1952; misidentification).
- pictimargo* TOKUNAGA et SHOGAKI, 1953: Proc. ent. Soc. Wash., **55**(5): 286 (*Culicoides*). Type-locality: Midoro Pond, Kyoto, Honshu (Japan).
- firuzae** DZHAFAROV, 1958: Dokl. Akad. Nauk azerb. SSR, **14**(3): 245 (*Culicoides*). Type-locality: Araks valley (Azerbaijan SSR).—Distr.: USSR: TC, KZ, SMA (Tj, Tu, Uz); Asia: Israel, Iran, Mongolia.
- foleyi** KIEFFER, 1922: Archs Insts Pasteur Afr. N., **2**(4): 503 (*Culicoides*). Type-locality: Algeria.—Distr.: North Africa: Algeria.
- furcillatus** CALLOT, KREMER et PARADIS, 1962: Bull. Soc. Path. exot., **55**(5): 771 (*Culicoides*). Type-locality: "bord de route entre Sélestat et Guémar" (France).—Distr.: Europe: D, F, GB, PL; USSR: SET (Carpathians).
- gejgelensis** DZHAFAROV, 1964: Кровососущие мокрецы Закавказья: 282 (*Culicoides*). Type-locality: Azerbaijan SSR.—Distr.: Europe: I, YU; USSR: SET (Uk, Rs), TC, SMA (Tj, Tu, Uz); Asia: Israel; North Africa: Algeria.

- gracilipes** VAILLANT, 1954: *Revue fr. Ent.*, **21**(3): 227 (*Culicoides*). Type-locality: Alpes du Dauphiné (France).—Distr.: Europe: F.
- griseidorsum** KIEFFER, 1918: *Annl. hist.-nat. Mus. natn. hung.*, **16**: 46 (*Culicoides*). Type-locality: Saint-Germain, Tunis (Tunisia).—Distr.: Europe: GB, PL; Asia: Israel; North Africa: Algeria, Tunisia.
- gutsevichi** SEN et DAS GUPTA, 1958: *Bull. Calcutta Sch. trop. Med. Hyg.*, **6**(4): 163 (*Culicoides*, new name for *C. orientalis* GUTSEVICH, 1952, a junior primary homonym of *Culicoides orientalis* MACFIE, 1932).—Distr.: USSR: KZ, SMA (Tj), WS, ES, FE.
- orientalis* GUTSEVICH, 1952: *Parasitol. Sb.*, **14**: 92 (*Culicoides*). Type-locality: Obor, Khabarovsk region (USSR).
- bisulcatus* GUTSEVICH, 1959: *Ent. Obozr.*, **28**(3): 681 (*Culicoides*, new name for *C. orientalis* GUTSEVICH, 1952, a junior primary homonym of *Culicoides orientalis* MACFIE, 1932).
- haranti** RIOUX, DESCOUS et PECH, 1959: *Annl. Parasit. hum. comp.*, **34**(3): 432 (*Culicoides*). Type-locality: Montpellier (France).—Distr.: Europe: F, I; Asia: Israel.
- heliophilus** EDWARDS, 1921: *Scott. Nat.*, **115/116**: 124 (*Culicoides*). Type-locality: Machrie, Arran (Scotland).—Distr.: Europe: CS, D, F, GB, PL, R; USSR: CET (Est, Li, Rs), SET (Rs), TC (Ge), SMA (Ki, Uz), ES; Asia: Iran.
- heteroclitus** KREMER et CALLOT in CALLOT and KREMER, 1965: *Annl. Parasit. hum. comp.*, **40**(3): 333 (*Culicoides*). Type-locality: La Mole, Var (France).—Distr.: Europe: CS, F, I; North Africa: Algeria, Morocco.
- iliensis** GUTSEVICH et SMATOV, 1966: *Trudy Inst. Zool., Alma-Ata*, **25**: 68 (*Culicoides*). Type-locality: Iliisk (Kazakh SSR).—Distr.: USSR: KZ, SMA (Ki, Tj, Uz).
- insularis** KITAOKA, 1980: *Natn. Inst. Anim. Hlth. Q.*, **20**(1): 18 (*Culicoides*). Type-locality: Okinoshima (Japan).—Distr.: Asia: Japan (Nansei Is., Honshu).
- iranicus** NAVAL, 1971: *Mosquito News*, **31**(2): 202 (*Culicoides*). Type-locality: Keshit (Iran).—Distr.: Asia: Iran.
- jumineri** CALLOT et KREMER, 1970: *Bull. Soc. Path. exot.*, **62**(6): 1112 (*Culicoides*). Type-locality: Nefta (Tunisia).—Distr.: Europe: E; Asia: Israel; North Africa: Algeria, Morocco, Tunisia.
- jurensis** CALLOT, KREMER et DEDUIT, 1962: *Annl. Parasit. hum. comp.*, **37**(1/2): 160 (*Culicoides*). Type-locality: La Chapelle-des-Bois, Doubs (France).—Distr.: Europe: CS, D, F.
- karagiensis** SMATOV et ALDABERGENOV, 1973: *Izv. Akad. Nauk kazakh. biol.*, **1973**(5): 24 (*Culicoides*). Type-locality: Mangyshlak peninsula, Guryev obl. (Kazakh SSR).—Distr.: USSR: KZ.
- karajevi** DZHAFAROV, 1961: *Izv. Akad. Nauk azerb. SSR, biol.-med.*, **10**: 77 (*Culicoides*). Type-locality: Geigel lake (Azerbaijan SSR).—Distr.: USSR: TC (Az), SMA (Tu).



- karakumensis** GUTSEVICH et MOLOTOVA in GUTSEVICH, 1973: The bloodsucking midges: 180 (*Culicoides*). Type-locality: Molla-Kara (Turkmen SSR).—Distr.: USSR: SMA (Tu).
- kasimi** KHALAF, 1961: Beitr. Ent., 11(3/4): 465 (*Culicoides*). Type-locality: Sersang (Iraq).—Distr.: Asia: Iraq.
- kibunensis** TOKUNAGA, 1937: Tenthredo, 1(3): 298 (*Culicoides*). Type-locality: Kibune, Kyoto Pref. (Japan).—Distr.: Central Europe, YU; USSR: whole forest and steppe zone; Asia: Israel, Iran, North China, Korea, Japan; North Africa; North America.
- cubitalis** EDWARDS, 1939: British blood-sucking flies: 40 (*Culicoides*). Type-locality: Letchworth, Herts (England).
- ponkikiri** KONO et TAKAHASI, 1940: Insecta matsum., 14: 74 (*Culicoides*). Type-locality: Sapporo, Hokkaido (Japan).
- sitinoensis** OKADA, 1941: J. Coll. Agric. imp. Univ. Tokyo, 15(1): 14 (*Culicoides*). Type-locality: Japan.
- kingi** AUSTEN, 1912: Bull. ent. Res., 3(1): 104 (*Culicoides*). Type-locality: Khor Arbat, Red sea Hills (Sudan).—Distr.: North Africa: Egypt; Afro-tropical Region.
- nilotes** KIEFFER, 1924: Bull. Soc. ent. Égypte, 8: 257 (*Culicoides*). Type-locality: Maadi (Egypt).
- kirgizicus** GLUKHOVA, 1973: Parazitologiya, 7(2): 111 (*Culicoides*). Type-locality: Terskei Alatau (Kirghiz SSR).—Distr.: USSR: SMA (Ki).
- kugitangi** ATAJEV, 1976: Izv. Akad. Nauk turkmen. SSR, biol., 1976(3): 79 (*Culicoides*). Type-locality: Kugistantau (Turkmen SSR).
- kurensis** DZHAFAROV in GUTSEVICH, 1960: Кровососущие мокрецы фауны СССР: 100 (*Culicoides*). Type-locality: Kura valley (Azerbaijan SSR).—Distr.: Europe: CY; USSR: TC, SMA (Tj, Tu, Uz); Asia: Turkey, Israel, Iraq, Iran; North Africa: Morocco.
- badooshensis** KHALAF, 1961: Beitr. Ent., 11(3/4): 460 (*Culicoides*). Type-locality: Badoosh (Iraq).
- landauae** KREMER, REBHOLTZ-HIRTZEL et BAILLY-CHOUMARA, 1975: Cah. ORSTOM, ser. Ent. Med. Parasit., 13(4): 206 (*Culicoides*). Type-locality: Sais, Sefrou (Morocco).—Distr.: North Africa: Morocco.
- langeroni** KIEFFER, 1921: Archs Insts Pasteur Afr. N., 1(3): 262 (*Culicoides*). Type-locality: Tamerza (Tunis).—Distr.: Europe: CY; Asia: Iran, Israel; North Africa.
- judaee** MACFIE, 1933: Ann. trop. Med. Parasit., 27(1): 79 (*Culicoides*). Type-locality: Shores of the Dead Sea (Israel).
- latifrontis** SHAKIRZJANOVA, 1962: Trudy Inst. Zool., Alma-Ata, 18: 256 (*Culicoides*). Type-locality: eastern mountains of Kazakh SSR.—Distr.: Europe: CS, PL; USSR: SET (Rs, Uk), SET (Uk), TC (Ge), KZ, SMA (Ki, Tu).
- kobachidzei** DZHAFAROV, 1964: Кровососущие мокрецы Закавказья: 348 (*Culicoides*). Type-locality: Riza Lake, Abhasia (Georgian SSR).

- lenae** GLUSCHENKO et MIRZAJEVA, 1970: Новые и малоизвестные виды фауны Сибири, **3**: 37 (*Culicoides*). Type-locality: Kozlovo, Irkutsk obl. (USSR).—Distr.: USSR: ES.
- longipennis** KHALAF, 1957: Bull. Soc. ent. Égypte, **41**: 348 (*Culicoides*). Type-locality: Shaklawa (Iraq).—Distr.: Europe: CY, F, I, YU; USSR: SET (Uk), TC, KZ, SMA (Tj, Tu, Uz); Asia: Israel, Iran, Iraq; North Africa: Algeria, Morocco.
- luganicus** SHEVCHENKO, 1972: Zool. Rec. (Kiev), **6**(5): 75 (*Culicoides*). Type-locality: Luganskaya, Voroshilovgrad obl. (Ukrainian SSR).—Distr.: USSR: SET.
- malevillei** KREMER et COLUZZI, 1971: Parassitologia, **13**(3): 415 (*Culicoides*). Type-locality: Monticelli (Frosinone) (Italy).—Distr.: Europe: I.
- marcleti** CALLOT, KREMER et BASSET, 1968: Bull. Soc. Path. exot., **61**(2): 271 (*Culicoides*). Type-locality: Marceau, Alger Dep. (Algeria).—Distr.: North Africa: Algeria, Morocco, Tunisia.
- maritimus** KIEFFER, 1924: Bull. Soc. Hist. nat. Moselle, **30**: 16 (*Culicoides*). Type-locality: Holstein [D].—Distr.: Central and South Europe; USSR: SET, TC, KZ, SMA (Tu, Uz); Asia: Turkey, Israel, Iran; North Africa: Algeria, Morocco, Tunisia.
- submaritimus* DZHAFAROV, 1962: Ent. Obozr., **41**(1): 206 (*Culicoides*). Type-locality: Kurekchai river (Azerbaijan SSR).
- mesghalii** NAVAI, 1973: Bull. Soc. Path. exot., **66**(1): 196 (*Culicoides*). Type-locality: Zyarat-Ali, Persian Gulf (Iran).—Distr.: Asia: Israel, Iran (south).
- midorensis** ARNAUD, 1956: Microentomology, **21**(3): 113 (*Culicoides*). Type-locality: Midoro-ike, Kyoto, Honshu (Japan).—Distr.: Asia: Japan.
- miharai** KINOSHITA, 1918: Zool. Mag., **30**(354): 155 (*Culicoides*). Type-locality: Korea.—Distr.: Asia: Korea.
- minutissimus** (ZETTERSTEDT, 1855): Dipt. Scand., **12**: 4860 (*Ceratopogon*). Type-locality: Öland (Sweden).—Distr.: Central Europe, S; USSR: CET (Uk), SET (Mo, Rs, Uk); Asia: Israel.
- albihalter* KIEFFER, 1919: Annls hist.-nat. Mus. natn. hung., **17**: 37 (*Culicoides*). Type-locality: Bielefeld [D].
- mongolensis** YAO, 1964: Acta ent. sin., **13**(2): 287 (*Culicoides*). Type-locality: Pao-tou, Inner Mongolia (China).—Distr.: USSR: ?CET (Rs), KZ, SMA (Ki, Tj, Tu); Asia: Mongolia, North China.
- transcaspicus* MOLOTOVA, 1966: Ent. Obozr., **45**(3): 654 (*Culicoides*). Type-locality: Mollakara (Turkmen SSR).
- morisitai** TOKUNAGA, 1940: Tenthredo, **2**(3): 149 (*Culicoides*). Type-locality: Pekin (North China).
- nagahanai** TOKUNAGA, 1956: Scient. Rep. Saikyo Univ. Agric., **8**: 119 (*Culicoides*). Type-locality: Fukuhara, Yonago City, Tottori Pref. Honshu (Japan).—Distr.: Asia: Japan (Honshu, Okinawa), China, ?Iran; Taiwan.
- mihensis* ARNAUD, 1956: Microentomology, **21**(3): 115 (*Culicoides*). Type-locality: Miho, Tottori Pref. Honshu (Japan).

- nagarzensis** LEE, 1978: Biting midges of the China: 77 (*Culicoides*). Type-locality: Tibet.—Distr.: Asia: China (Tibet).
- niger** DZHAFAROV, 1960: Zool. Zh., **39**(8): 1183 (*Culicoides*, as var. of *pallidicornis* KIEFFER). Type-locality: Kura plain (Azerbaijan SSR). A junior primary homonym of *Culicoides niger* ROOT and HOFFMAN, 1937 (USA).—Distr.: USSR: TC (Az).
- noshaquensis** TOKUNAGA, 1966: Res. Kyoto Univ. scienc. exp. Karakorum and Hindukush, **8**: 285 (*Culicoides*). Type-locality: Mt. Noshaq (Afghanistan).—Distr.: Asia: Afghanistan.
- nudipennis** KIEFFER, 1922: Archs Insts Pasteur Afr. N., **2**(4): 507 (*Culicoides*). Type-locality: Algeria.—Distr.: North Africa: Algeria.
- nukabirensis** WADA, 1979: Trop. Med., **21**(4): 204 (*Culicoides*). Type-locality: Nukabira (Japan).—Distr.: Asia: Japan (Hokkaido, Honshu).
- numemoguri** KITAOKA, 1980. Natn. Inst. Anim. Hlth. Q., **20**(1): 18 (*Culicoides*). Type-locality: Niigata (Japan).—Distr.: Asia: Japan.
- odiatus** AUSTEN, 1921: Bull. ent. Res., **12**: 112 (*Culicoides*). Type-locality: Jerisheh (Israel).—Distr.: Europe: CY, F; USSR: SET (Uk), TC, KZ, SMA (Tj, Tu, Uz); Asia: Israel, Iran, Iraq, Mongolia, China (Tibet); North Africa: Algeria, Tunisia, Morocco.
- lailae* KHALAF, 1961: Beitr. Ent., **11**(3/4): 458 (*Culicoides*). Type-locality: Badoosh (Iraq).
- indistinctus* KHALAF, 1961: Beitr. Ent., **11**(3/4): 462 (*Culicoides*). Type-locality: Shaklawa (Iraq).
- kurektschaicus* DZHAFAROV, 1962: Ent. Obozr., **41**(1): 209 (*Culicoides*). Type-locality: Kurekchai river (Azerbaijan SSR).
- conicus* REMM in REMM and ZHOGOLEV, 1968: Ent. Obozr., **47**(4): 839 (*Culicoides*). Type-locality: Repino (Crimea).
- omogensis** ARNAUD, 1956: Microentomology, **21**(3): 119 (*Culicoides*). Type-locality: Omogo valley, Ehime Pref., Shikoku (Japan).—Distr.: Asia: Japan. ?Iran.
- onoï** TOKUNAGA, 1940: Tenthredo, **3**(2): 147 (*Culicoides*). Type-locality: Sinkyo (Manchuria).—Distr.: Asia: China (Heilongjiang).
- pallidicornis** KIEFFER, 1919: Annl. hist.-nat. Mus. natn. hung., **17**: 46 (*Culicoides*). Type-localities: Budapest (Hungary), Felsőbánya (Roumania).—Distr.: nearly whole in Palaearctic Region.
- susae* KIEFFER, 1919: Annl. hist.-nat. Mus. natn. hung., **17**: 44 (*Culicoides*). Type-locality: Suse (Italy).
- dileucus* KIEFFER, 1921: Bull. Soc. Hist. nat. Moselle, **29**: 55 (*Culicoides*). Type-locality: Charente-Inférieure (France).
- brunneiscutellatus* ZILAHİ-SEBESS, 1933: Állatt. Közl., **30**(3/4): 146 (*Culicoides*). Type-locality: Hungary.
- bruneoscutellatus* ZILAHİ-SEBESS, 1934: Bull. Soc. ent. Bulg., **8**: 155 (*Culicoides*). Type-locality: Tschamkuria (Bulgaria).

- pallidus** KHALAF, 1957: Bull. Soc. ent. Égypte, **41**: 338 (*Culicoides*). Type-locality: Baghdad (Iraq).—Distr.: USSR: TC (Az), SMA (Tj, Tu, Uz); Asia: Iraq, Iran, China (Hebei); North Africa: Morocco.
- stackelbergi** DZHAFAROV, 1962: Ent. Obozr., **41**(1): 210 (*Culicoides*). Type-locality: Poily, Kura valley. (Azerbaijan SSR).
- pamiricus** ZHOGOLEV, 1973: Parazitologiya, **7**(2): 185 (*Culicoides*). Type-localities: Horog, Nulvand, Rushan (Tajik SSR).—Distr.: USSR: SMA (Tj).
- pentamaculatus** SMATOV in SMATOV and KRAVETS, 1976: Parazitologiya, **10**(3): 283 (*Culicoides*). Type-locality: 106 km east of Tshelkar, Aktjubinsk obl. (Kazakh SSR).—Distr.: USSR: KZ.
- pictipennis** (STAEGER, 1839): Naturh. Tidsskr., **2**: 594 (*Ceratopogon*). Type-locality: Denmark.—Distr.: Europe; USSR: CET, SET, TC, KZ, SMA (Ki, Uz, Tu), WS, ES; Asia: Israel, Iran, Iraq; North Africa: Algeria, Morocco.
- arcuatus** (WINNERTZ, 1852): Linn. ent., **6**: 39 (*Ceratopogon*). Type-locality: Crefeld [D].
- guttularis** KIEFFER, 1919: Anns hist.-nat. Mus. natn. hung., **17**: 45 (*Culicoides*). Type-locality: Budapest (Hungary).
- subgriscens** DZHAFAROV, 1964: Кровососущие мокрецы Закавказья: 249 (*Culicoides*). Type-locality: Sabir, Kirovabad (Azerbaijan SSR).
- picturatus** KREMER et DEDUIT, 1961: Anns Parasit. hum. comp., **36**(4): 701 (*Culicoides*). Type-locality: Régneville, Manche (France).—Distr.: Europe: F, GB, PL, R; Asia: Israel; North Africa: Morocco.
- poperinghensis** GOETGHEBUER, 1953: Arch. Hydrobiol., **48**(1): 127 (*Culicoides*). Type-locality: Poperinghe (Belgium).—Distr.: Europe: B, F, GB, R; USSR: TC (Ge), ES; North Africa: Algeria.
- pseudoheliophilus** CALLOT et KREMER, 1961: Anns Parasit. hum. comp., **36**(4): 682 (*Culicoides*). Type-locality: France.—Distr.: Europe: B, D, F; USSR: CET (Est).
- albihalteratus** GOETGHEBUER, 1935: Bull. Anns Soc. r. ent. Belg., **75**: 414 (*Culicoides*, as var. of *neglectus* WINNERTZ); a junior primary homonym of *Culicoides albohalteratus* SANTOS ABREU, 1918. Type-locality: Bois de Melle (Belgium).
- pseudolangeroni** KREMER, CHAKER et DELECOLLE, 1981: Bull. Soc. ent. France, **86**: 291 (*Culicoides*). Type-locality: Ghazala (Tunisia).—Distr.: USSR: SMA (Tj, Tu); North Africa: Tunisia.
- pseudopallidus** KHALAF, 1961: Beitr. Ent., **11**(3/4): 466 (*Culicoides*). Type-locality: Arbil (Iraq).—Distr.: Europe: F; Asia: Iraq, Israel; North Africa: Algeria, Morocco.
- puripennis** AUSTEN, 1921: Bull. ent. Res., **12**: 109 (*Culicoides*). Type-locality: Deiran, Jafa distr., 7 miles SW of Ludd (Israel).—Distr.: Asia: Israel.
- ravus** DE MEILLON, 1936: Publs S. Afr. Inst. med. Res., **38**: 151 (*Culicoides*). Type-locality: Ofcalaco (Transvaal).—Distr.: Asia: Israel; North Africa: Morocco; Afrotropical Region.



- [*subravus* CORNET et CHATEAU, 1970: Cah. ORSTOM, ser. Ent. Med. Parasit., **8**: 167 (*Culicoides*). Type-locality: Parc National du Niokolo-Koba (Senegal).]
- reconditus** CAMPBELL et PELHAM-CLINTON, 1960: Proc. R. Soc. Edinb. (B), **67**(3): 227 (*Culicoides*). Type-locality: Lephinmore, Argyllshire (Scotland).—Distr.: Central Europe, GB; USSR: forest zone.
- riouxi** CALLOT et KREMER, 1961: Anns Parasit. hum. comp., **36**(4): 679 (*Culicoides*). Type-locality: Strasbourg (France).—Distr.: Europe: F, R.
- ritzei** DZHAFAROV, 1964: Кровососущие мокрецы Закавказья: 346 (*Culicoides*). Type-locality: Ritza lake, Abhazia (Georgian SSR).—Distr.: USSR: TC (Ge), SMA (Tu).
- saevanicus** DZHAFAROV, 1960: Izv. Akad. Nauk armen. SSR, biol., **13**(1): 94 (*Culicoides*). Type-locality: Sevan lake (Armenian SSR).—Distr.: USSR: TC (Arm, Az), KZ.
- sahariensis** KIEFFER, 1923: Archs Inst. Pasteur Algér., **1**(4): 678 (*Culicoides*). Type-locality: Biskra (Algeria).—Distr.: Europe: CY, E, I; USSR: TC (Az), SMA (Tj, Tu, Uz); Asia: Iran, Iraq, Israel; North Africa.
- baghdadensis* KHALAF, 1957: Bull. Soc. ent. Égypte, **41**: 341 (*Culicoides*, as subsp. of *similis* CARTER, INGRAM et MACFIE). Type-locality: Baghdad (Iraq).
- flavisimilis* DZHAFAROV, 1964: Кровососущие мокрецы Закавказья: 291 (*Culicoides*). Type-locality: Kurekchai river (Azerbaijan SSR).
- coluzzii* CALLOT, KREMER et BAILLY-CHOUMARA, 1970: Bull. Soc. zool. Fr., **95**(4): 719 (*Culicoides*). Type-locality: Qued el Edjel (Tunisia).
- sajanicus** MIRZAJEVA, 1971: Parazitologiya, **5**(1): 35 (*Culicoides*). Type-locality: Turan district (Buryat ASSR).—Distr.: USSR: CET (Rs), SMA (Tj), ES.
- saninensis** TOKUNAGA, 1956: Scient Rep. Saikyo Univ. Agric., **8**: 116 (*Culicoides*). Type-locality: Hatagasaki, Yonago City, Sanin district, Honshu (Japan).—Distr.: USSR: FE; Asia: Japan.
- epactius* ARNAUD, 1956: Microentomology, **21**(3): 102 (*Culicoides*). Type-locality: Camp. Hakata, Fukuoka Pref., Kyushu (Japan).
- litus* ARNAUD, 1956: Microentomology, **21**(3): 111 (*Culicoides*). Type-locality: Shirahama, Wakayama Pref., Honshu (Japan).
- santonicus** CALLOT, KREMER, RAULT et BACH, 1966: Anns Parasit. hum. comp., **41**(5): 514 (*Culicoides*). Type-locality: Breuillet Charente-Maritime, (France).—Distr.: Europe: F; North Africa: Algeria, Morocco.
- schultzei** (ENDERLEIN, 1908): Denkschr. med.-naturw. Ges. Jena, **13**: 459 (*Ceratopogon*). Type-locality: Südwestafrika.—Distr.: Europe: CY; USSR: SMA (Tj, Tu, Uz); Asia: Turkey, Israel, Iraq, China, Korea, Japan; whole of Africa; Oriental Region; New Guinea.
- mesopotamiensis* PATTON, 1920: Indian J. med. Res., **8**: 246 (*Culicoides*). Type-locality: Iraq.

- segnis** CAMPBELL et PELHAM-CLINTON, 1960: Proc. R. Soc. Edinb. (B), **67**(3): 232 (*Culicoides*). Type-locality: Lephinmore, Argyllshire (Scotland).—Distr.: Central Europe, GB; USSR: CET, TC (Arm), ES.
- semimaculatus** CLASTRIER, 1958: Archs Inst. Pasteur Algér., **36**(1): 55 (*Culicoides*). Type-locality: Alger.—Distr.: Europe: CS, F, I; Asia: Israel, Iran; North Africa: Algeria, Morocco.
- sensillatus** MIRZAJEVA, 1971: Parazitologiya, **5**(1): 33 (*Culicoides*). Type-locality: Oktyabrski, Handi-Mansi national distr. Tyumen obl. (USSR).—Distr.: USSR: WS, ES.
- kuraiensis* REMM, 1972: Tartu Ülik. Metsaosak. Toim., **293**: 82 (*Culicoides*). Type-locality: Kurai steppe (Altay).
- sergenti** (KIEFFER, 1921): Archs Insts Pasteur Afr. N., **1**(1): 113 (*Diplosella*). Type-locality: El-Outaya (Algeria).—Distr.: Europe: CY, F; USSR: SMA (Tj, Tu, Uz); Asia: Israel, Iraq, Iran; North Africa: Algeria.
- citrinellus* KIEFFER, 1923: Archs Inst. Pasteur Algér., **1**(4): 674 (*Culicoides*). Type-locality: Biskra (Algeria).
- mosulensis* KHALAF, 1957: Bull. Soc. ent. Égypte, **41**: 339 (*Culicoides*). Type-locality: Mosul (Iraq).
- turkmenicus* GUTSEVICH, 1959: Ent. Obozr., **38**(3): 678 (*Culicoides*). Type-locality: Mollakara (Turkmen SSR).
- shahgudiani** NAVAI, 1973: Bull. Soc. Path. exot., **66**(1): 201 (*Culicoides*). Type-locality: Zyarat-Ali (South Iran).—Distr.: Asia: Iran.
- shaklawensis** KHALAF, 1957: Bull. Soc. ent. Égypte, **41**: 345 (*Culicoides*). Type-locality: Shaklaw (Iraq).—Distr.: Europe: BG, CS, CY; USSR: SET (Rs), TC, SMA (Tj, Tu, Uz); Asia: Israel, Iraq, Iran; North Africa: Morocco.
- caspicus* GUTSEVICH, 1959: Ent. Obozr., **38**(3): 676 (*Culicoides*). Type-locality: Gudermes, Checheno-Ingush ASSR (USSR).
- similis** CARTER, INGRAM et MACFIE, 1920: Ann. trop. Med. Parasit., **14**(2): 255 (*Culicoides*). Type-locality: Ghana.—Distr.: Asia: Iran; North Africa: Morocco, Egypt; Afrotropical and Oriental Regions.
- simulator** EDWARDS, 1939: British blood-sucking flies: 40 (*Culicoides*). Type-locality: Herts (England).—Distr.: Central Europe, GB; USSR: CET, SET, TC, KZ, SMA, WS, ES; Asia: Israel, Iran, North China; North Africa: Morocco.
- sogdianus** GUTSEVICH, 1966: Ent. Obozr., **45**(3): 673 (*Culicoides*). Type-locality: Kokaity, Termez (Uzbek SSR).—Distr.: USSR: SMA (Uz, Tu).
- stagetus** LEE, 1979: Entomotaxon., **1**(1): 33 (*Culicoides*). Type-locality: Tibet.—Distr.: Asia: China.
- stanicus** SHEVCHENKO, 1970: Zool. Rec., (Kiev), **1970**(4): 84 (*Culicoides*). Type-locality: Luganskaya, Voroshilovgrad obl. (Ukraine).—Distr.: USSR: SET.
- stepicola** REMM in REMM and ZHOGOLEV, 1968: Ent. Obozr., **47**(4): 838 (*Culicoides*). Type-locality: Rybachye (Crimea).—Distr.: USSR: CET (Rs), SET (Uk, Rs), TC (Az), WS, ES.

- markevitshi* SHEVCHENKO, 1969: Zool. Rec., (Kiev), 1969(3): 47 (*Culicoides*).  
Type-locality: Luganskaya, Voroshilovgrad obl. (Ukraine).
- subfasciipennis* KIEFFER, 1919: Annls hist.-nat. Mus. natn. hung., 17: 44 (*Culicoides*). Type-localities: Budapest, Gyón (Hungary).—Distr.: Central Europe, I; USSR: all regions; Asia: Iran, Mongolia, North China; North Africa: Algeria, Morocco.
- analis* KIEFFER, 1925: Faune de France, 11: 81 (*Culicoides*, as var. of *subfasciipennis*). Type-locality: Belgium. Primary homonym of *Culicoides analis* SANTOS ABREU, 1918.
- subfasciipennis* GOETGHEBUER, 1921: Mém. Mus. r. Hist. nat. Belg., 8(4): 178 (*Culicoides*); unjustified emendation.
- sublatifrontis* SMATOV et ISIMBEKOV, 1971: Izv. Akad. Nauk kazakh. SSR, biol., 1971(4): 61 (*Culicoides*). Type-locality: Semipalatinsk (Kazakh SSR).—Distr.: USSR: KZ.
- subneglectus* VIMMER, 1932: Sb. ent. Odd. nár. Mus. Praze, 10(79): 139 (*Culicoides*). Type-locality: Israel.—Distr.: Asia: Israel.
- subsylvarum* REMM, 1981: ENSV TA Toim., biol., 30(1): 32 (*Culicoides*, "new name" for *Culicoides amossovae*: GUTSEVICH, 1973: The bloodsucking midges: 152, misidentification, not *Culicoides amossovae* REMM, 1971). Type-locality: Ussuri nat. res., Primorye region (USSR).—Distr.: USSR: FE.
- sylvarum* CALLOT et KREMER, 1961: Bull. Soc. Path. exot., 54(2): 389 (*Culicoides*). Type-locality: Hasslach, Bas-Rhin (France).—Distr.: Europe: CS, F, GB; USSR: SET (Uk), TC; North Africa: Morocco.
- tadzhikistanicus* ZHOGOLEV, 1969: Izv. Akad. Nauk tadzhik. SSR, biol., 1969(2): 114 (*Culicoides*). Type-locality: Pyandzh (Tajik SSR).—Distr.: USSR: SMA (Tj).
- talgariensis* GUTSEVICH et SMATOV, 1966: Trudy Inst. Zool., Alma-Ata, 25: 74 (*Culicoides*). Type-locality: Iliisk (Kazakh SSR).—Distr.: USSR: KZ.
- tbilisicus* DZHAFAROV, 1964: Кровососущие мокрецы Закавказья: 309 (*Culicoides*). Type-locality: Transcaucasus.—Distr.: USSR: TC (Ge, Az); Asia: China (Tibet).
- tentorius* AUSTEN, 1921: Bull. ent. Res., 12: 110 (*Culicoides*). Type-locality: Jerisheh (Israel).—Distr.: Asia: Israel, ?Tibet.
- tohokuensis* OKADA, 1941: J. Coll. Agric. imp. Univ. Tokyo, 15(1): 14 (*Culicoides*). Type-locality: Ou-bokyzyo, Aomori Pref., Honshu (Japan).—Distr.: Asia: Japan.
- tokunagai* ARNAUD, 1956: Microentomology, 21(3): 132 (*Culicoides*). Type-locality: Kibune, Kyoto Pref., Honshu (Japan).—Distr.: USSR: FE; Asia: Japan.
- triangulatus* SHEVCHENKO, 1970: Zool. Rec. (Kiev), 1970(6): 11 (*Culicoides*). Type-locality: Luganskaya, Voroshilovgrad obl. (Ukraine).—Distr.: USSR: SET (Uk).
- trivittatus* VIMMER, 1932: Sb. ent. Odd. nár. Muz. Praze, 10(79): 136 (*Culicoides*). Type-locality: Israel.—Distr.: Asia: Israel.

- truncorum** EDWARDS, 1939: British bloodsucking flies: 41 (*Culicoides*). Type-locality: Cambs (Great Britain).—Distr.: Europe: DK, F, GB; USSR: NET, CET (Est, Rs), SET (Uk), FE (Sakhalin).
- tugaicus** DZAFAROV, 1960: Zool. Zh., 39(8): 1183 (*Culicoides*). Type-locality: Poily, Akstafa district (Azerbaijan SSR).—Distr.: Europe: D, F, R; USSR: CET (Rs), SET (Uk), TC (Arm, Az), KZ, SMA; North Africa: Morocco.
- turanicus** GUTSEVICH et SMATOV in SMATOV and ISIMBEKOV, 1971: Izv. Akad. Nauk kazakh. SSR, biol., 1971(4): 61 (*Culicoides*, new name for *C. kasachstanicus* GUTSEVICH et SMATOV, 1966, a junior primary homonym of *Culicoides kasachstanicus* SHAKIRZJANOVA, 1963).—Distr.: USSR: KZ, SMA.
- kasachstanicus* GUTSEVICH et SMATOV, 1966: Trudy Inst. Zool., Alma-Ata, 25: 70 (*Culicoides*). Type-locality: Merke district Dzhambul obl. (Kazakh SSR).
- ukrainensis** SHEVCHENKO, 1970: Zool. Rec. (Kiev), 1970(4): 14 (*Culicoides*). Type-locality: Luganskaya, Voroshilovgrad obl. (Ukraine).—Distr.: USSR: SET.
- univittatus** VIMMER, 1932: Sb. ent. Odd. nár. Muz. Praze, 10(79): 138 (*Culicoides*). Type-locality: Israel.—Distr.: Europe: F; Asia: Israel.
- agathensis* CALLOT, KREMER et RIOUX, 1963: Anns Parasit. hum. comp., 38(1): 121 (*Culicoides*). Type-locality: Roque-Haute, Frontignan, Hérault (France).
- ustinovi** SHEVCHENKO, 1962: Dopov. Akad. Nauk. ukr. RSR, 1962(5): 673 (*Culicoides*). Type-locality: Tshugujev (Ukraine).—Distr.: Europe: CS; USSR: CET (By, Rs, Uk), SET (Uk), KZ, WS.
- variifrons** GLUKHOVA et IVANOV in IVANOV and GLUKHOVA, 1967: Ent. Obozr., 46(4): 810 (*Culicoides*). Type-locality: Olga district, Primorye region (USSR).—Distr.: USSR: WS, ES, FE.
- verbosus** TOKUNAGA, 1937: Tenthredo, 1(3): 303 (*Culicoides*). Type-locality: Shijukei (Taiwan).—Distr.: Asia: China, Japan (Ryukyu); Taiwan.
- vexans** (STAEGER, 1839): Naturh. Tidsskr., 2: 593 (*Ceratopogon*). Type-locality: Denmark.—Distr.: North and Central Europe: USSR: NET, CET, SET, TC, KZ, SMA (Tj, Uz), WS, ES; Asia: China (Tibet).
- pungens* (KIEFFER, 1901): Bull. Soc. Hist. nat. Moselle, 21: 163 (*Palpomyia*). Type-locality: France.
- perpungens* KIEFFER, 1919: Anns hist.-nat. Mus. natn. hung., 17: 33 (*Culicoides*, new name for *C. pungens* KIEFFER, 1901, a junior primary homonym of *Culicoides pungens* DE MEIJERE, 1909: Sumatra).
- ajbassovi* SHAKIRZJANOVA, 1962: Trudy Inst. Zool., Alma-Ata, 18: 254 (*Culicoides*). Type-locality: Zharkul lake, Tselinograd obl. (Kazakh SSR).
- vidourlensis** CALLOT, KREMER, MOLET et BACH, 1968: Anns Parasit. hum. comp. 43(1): 99 (*Culicoides*). Type-locality: Vidourle (France).—Distr.: Europe.: Europe: CS, F, YU; Asia: Israel; North Africa: Morocco.



- vitreipennis** AUSTEN, 1921: Bull. ent. Res., **12**: 108 (*Culicoides*). Type-locality: Jerisheh (Israel).—Distr.: Asia: Israel; North Africa: Egypt.
- zhogolevi** REMM in REMM and ZHOGOLEV, 1968: Ent. Obozr., **47**(4): 836 (*Culicoides*). Type-locality: Sasyk lake (Crimea).—Distr.: Europe: PL, R; USSR: SET (Uk, Rs), TC (Arm).

### Subgenus BELTRANMYIA VARGAS, 1953

- VARGAS, 1953: Revta Inst. Salubr. Enferm. trop., **13**: 33  
Type-species: *Culicoides crepuscularis* MALLOCH, 1915: Bull. Ill. St. Lab. nat. Hist., **10**: 303 (orig. des.); not Palaearctic.
- arakawae** (ARAKAWA, 1910): Konchu-Sekai, **14**(156): 411 (*Ceratopogon arakanae*, lapsus). Type-locality: Aichi Pref. (Japan).—Distr.: USSR: Fe; Asia: Japan, Korea, China; Oriental Region.
- shimai** (SASAKI, 1928): Proc. imp. Acad. Japan, **3**(10): 687 (*Ceratopogon*). Type-locality: Japan.
- niigataensis** TAKAHASHI, 1958: Acta med. biol., Niigata, **6**(2): 111 (*Culicoides*, as var. of *arakawae*). Type-locality: Niigata (Japan).
- arakawai** SENN et DAS GUPTA, 1959: Ann. ent. Soc. Am., **52**(5): 624 (*Ceratopogon*); unjustified emendation.
- brevifrontis** SMATOV et ISIMBEKOV, 1971: Izv. Akad. Nauk kazakh. SSR, biol., **1971**(4): 62 (*Culicoides*). Type-locality: Voskresenyevka, Semipalatinsk obl. (Kazakh SSR).—Distr.: USSR: KZ.
- circumscriptus** KIEFFER, 1918: Anns hist.-nat. Mus. natn. hung., **16**: 49 (*Culicoides*). Type-locality: Tunis.—Distr.: nearly whole Palaearctic Region; West Africa; Oriental Region.
- nadayanus** KIEFFER, 1918: Anns hist.-nat. Mus. natn. hung., **16**: 95 (*Culicoides*). Type-locality: Dinek (Turkey).
- edwardsi** GOETGHEBUER, 1921: Mém. Mus. r. Hist. nat. Belg., **8**(4): 177 (*Culicoides*). Type-locality: Knocke-sur-Mer (Belgium).
- algarum** KIEFFER, 1924: Bull. Soc. Hist. nat. Moselle, **30**: 18 (*Culicoides*). Type-locality: Holstein [D].
- salicola** KIEFFER, 1924: Archs Inst. Pasteur Algér., **2**(3): 405 (*Culicoides*). Type-locality: Oldesbac (Norway).
- pictidorsum** KIEFFER, 1924: Archs Inst. Pasteur Algér., **2**(3): 406 (*Culicoides*, as var. of *salicola*). Type-locality: Oldesbac (Norway).
- albosignatus** VIMMER, 1932: Sb. ent. Odd. nár. Mus. Praze, **10**(79): 135 (*Culicoides*). Type-locality: Palestina.
- albosignatus** VIMMER, 1932: Sb. ent. Odd. nár. Mus. Praze, **10**(79): 135 (*Culicoides*). Type-locality: Israel.
- polymaculatus** VIMMER, 1932: Sb. ent. Odd. nár. Mus. Praze, **10**(79): 135 (*Culicoides*). Type-locality: Palestina.

- pulcher* ZILAHİ-SEBESS, 1934: Bull. Soc. ent. Bulg., **8**: 155 (*Culicoides*). Type-locality: Plovdiv (Bulgaria).
- kirovabadicus* DZHAFAROV, 1964: Кровососующие мокрецы Закавказья: 228 (*Culicoides*). Type-locality: Kirovabad (Azerbaijan SSR).
- desertorum** GUTSEVICH, 1959: Ent. Obozr., **38**(3): 675 (*Culicoides*). Type-localities: Kunya-Urgench (Turkmen SSR) and Termes (Uzbek SSR).—Distr.: USSR: SET (Mo, Rs), KZ, SMA; Asia: Iraq, North China.
- pictus* KHALAF, 1961: Beitr. Ent., **11**(3/4): 455 (*Culicoides*). Type-locality: Basrah (Iraq).
- gluchovae** MIRZAJEVA, 1974: Parazitologiya: **8**(1): 27 (*Culicoides*). Type-locality: Gusinoe lake (Buryat ASSR).—Distr.: USSR: ES; Asia: North China.
- wushenensis* LEE, 1974: Acta ent. sin., **17**(3): 353 (*Culicoides*). Type-locality: Inner Mongolia (China).
- homochrous** REMM in REMM and ZHOGOLEV, 1968: Ent. Obozr., **47**(4): 835 (*Culicoides*). Type-locality: Sasyk lake (Crimea).—Distr.: USSR: SET (Uk), KZ, ES, FE.
- japonicus** ARNAUD, 1956: Microentomology, **21**(3): 106 (*Culicoides*). Type-locality: Shirahama, Wakayama Pref., Honshu (Japan).—Distr.: USSR: FE; Asia: Japan.
- litoreus* AMOSSOVA, 1957: Ent. Obozr., **36**(1): 241 (*Culicoides*). Type-locality: nr Vladivostok, FE (USSR).
- koreensis** ARNAUD, 1956: Microentomology, **21**(3): 109 (*Culicoides*). Type-locality: nr Seoul (Korea).—Distr.: USSR: FE, Asia: ?Iran, Korea, China (Jilin).
- palustris* AMOSSOVA, 1957: Ent. Obozr., **36**(1): 243 (*Culicoides*). Type-locality: nr Vladivostok, FE (USSR).
- leucostictus** KIEFFER, 1911: Trans. Linn. Soc. Lond. (2) Zool., **14**: 340 (*Culicoides*). Type-locality: Seychellen.—Distr.: Europe: CY; Asia: Israel; North Africa: Egypt; Afrotropical Region.
- egypti* MACFIE, 1924: Bull. ent. Res., **15**(1): 66 (*Culicoides*, as var. of *distinctipennis* AUSTEN). Type-locality: Nile at Assiut (Egypt).
- pharao* KIEFFER, 1924: Bull. Soc. ent. Égypte, **8**: 259 (*Culicoides*). Type-locality: Maadi (Egypt).
- manchuriensis** TOKUNAGA, 1941: Insecta matsum., **15**(3): 98 (*Culicoides*). Type-locality: Yablonia (Manchuria).—Distr.: Europe: D, GB, PL, R; USSR: NET, CET (Est), SET, TC (Az), KZ, SMA (Tj, Ki, Tu), WS, ES, FE; Asia: North China; North America.
- setiger* GOETGHEBUER, 1938: Bull. Annl. Soc. r. ent. Belg., **78**: 379 (*Culicoides*). Type-locality: Hamme (Belgium).
- goetghebueri* ARNAUD, 1956: Proc. ent. Soc. Wash., **58**(2): 94 (*Culicoides*, new name for *Culicoides setiger* GOETGHEBUER, 1938, a junior primary homonym of *Culicoides setiger* KIEFFER, 1910).
- machardy* CAMPBELL et PELHAM-CLINTON, 1960: Proc. R. Soc. Edinb. (B), **67**(3): 235 (*Culicoides*). Type-locality: Perthshire (Scotland).

- mesostigma* REMM, 1971: Живая природа Дальнего Востока: 201 (*Culicoides*). Type-locality: Hanka lake, FE (USSR).
- vistulensis* SKIERSKA, 1973: Polskie Pismo ent., 43(2): 289 (*Culicoides*). Type-locality: Vistule (Poland).
- musajevi* DZHAFAROV, 1961: Izv. Akad. Nauk azerb. SSR, biol., 10: 75 (*Culicoides*). Type-locality: Arpachai river, Araks valley (Azerbaijan SSR).—Distr.: USSR: TC (Az, Arm); Asia: ?North China.
- ochraceimaculatus* SHEVCHENKO, 1970: Zool. Rec. (Kiev), 1970(6): 8 (*Culicoides*). Type-locality: Mikhailovka, Nikolayevsk obl. (Ukraina).—Distr.: USSR: SET (Uk).
- ochraceipennis* SHEVCHENKO, 1970: Zool. Rec. (Kiev), 1970(6): 9 (*Culicoides*). Type-locality: Mikhailovka, Nikolayevsk obl. (Ukraina).—Distr.: USSR: SET (Uk).
- oxianus* SMATOV in SMATOV and KRAVETS, 1976: Parazitologiya, 10(3): 282 (*Culicoides*). Type-locality: Zhanadarya, Ksyl-Ordinsk obl. (Kazakh SSR).—Distr.: USSR; KZ.
- qabdoensis* LEE, 1979: Biting midges of Tibet, China: 103 (*Culicoides*). Type-locality: Tibet.—Distr.: Asia: China.
- salinarius* KIEFFER, 1914: Arch. Hydrobiol. Suppl., 2(1): 236 (*Culicoides*). Type-localities: "Salzwasser von Hörstel und Sassendorf, Westfalen" [D].—Distr.: Central Europe; USSR: NET, CET, SET, TC (Az, Arm), KZ, SMA (Ki, Tj, Uz), WS, ES, FE; Asia: China.
- halobius* KIEFFER, 1914: Arch. Hydrobiol. Suppl., 2(1): 237 (*Culicoides*). Type-locality: Sassendorf [D].
- meinerti* KIEFFER, 1915: Ent. Meddr, 10: 284 (*Culicoides*). Type-locality: Denmark.
- punctatidorsum* KIEFFER, 1924: Bull. Soc. Hist. nat. Moselle, 30: 17 (*Culicoides*). Type-locality: Holstein [D].
- sibiricus* MIRZAJEVA, 1964: Ent. Obozr., 43(1): 218 (*Culicoides*). Type-locality: Kopylovka, Asino district, Tomsk obl. (USSR).—Distr.: USSR: WS, ES.
- sphagnumensis* WILLIAMS, 1955: Proc. ent. Soc. Wash., 57(6): 269 (*Culicoides*). Type-locality: Douglas Lake, Cheboygan, Michigan (USA).—Distr.: Europe: F; USSR: taiga zone; Asia: Mongolia, North China, Japan; North America.
- laciocola* ARNAUD, 1956: Microentomology, 21(3): 110 (*Culicoides*, as "laciocola", error). Type-locality: Midoro pond, Kyoto (Japan).
- carjalaensis* GLUKHOVA, 1957: Ent. Obozr., 36(1): 249 (*Culicoides*). Type-locality: Karelian ASSR.
- toyamaruae* ARNAUD, 1956: Microentomology, 21(3): 133 (*Culicoides*). Type-locality: Obihiro, Takachi district (Hokkaido).—Distr.: USSR: ES, FE; Asia: Japan; China (Hubei).

## Subgenus MONOCULICOIDES KHALAF, 1954

KHALAF, 1954: Ann. ent. Soc. Am., 47: 46.

Type-species: *Ceratopogon nubeculosus* MEIGEN, 1830: Syst. Besch., 6: 263 (orig. des.).

- buhetoensis** TAKAHASI, 1941: Insecta matsum., 15(3): 81 (*Culicoides*). Type-locality: Buheto (Manchuria).—Distr.: Asia: China.
- digitalis** REMM, 1973: Reichenbachia, 14(22): 178 (*Culicoides*). Type-locality: Bajan-Ölgij aimak, "im Tal des Flusses Chavgalyn gol, 25 km O von Somon Cagannuur" (Mongolia).—Distr.: Asia: Mongolia.
- expallens** REMM, 1973: Reichenbachia, 14(22): 176 (*Culicoides*). Type-locality: Bulgan aimak, "5 km W von Somon Daschintschilen" (Mongolia).—Distr.: USSR: ES (Tuva, Chita obl.); Asia: Mongolia.
- helveticus** CALLOT, KREMER et DEDUIT, 1962: Anns Parasit. hum. comp., 27(1/2): 164 (*Culicoides*). Type-locality: Combe des Amburnex, Canton de Vaud (Switzerland).—Distr.: Europe: CH, D, F; USSR: whole taiga zone; Asia: Mongolia; North China.
- longicollis** GLUKHOVA, 1971: Parazitologiya, 5(6): 507 (*Culicoides*). Type-locality: Truskavets, Lvov obl. (Ukraine).—Distr.: Europe: CS; USSR: SET (Uk), TC (Arm, Az), KZ, SMA (Ki, Tu).
- nubeculosus** (MEIGEN, 1830): Syst. Besch., 6: 263 (*Ceratopogon*). Type-locality: not given (?Aachen) [D].—Distr.: Europe; USSR: forest zone, excl. FE.
- puncticollis* GOETGHEBUER, 1912: Anns Biol. lacustre, 5: 205 (*Culicoides*). Type-localities: Destelbergen, Gand (Belgium).
- punctaticollis* GOETGHEBUER, 1920: Mém. Mus. r. Hist. nat. Belg., 8(3): 56 (*Culicoides*, new name for *Culicoides puncticollis* GOETGHEBUER, 1912, a junior secondary homonym of *Ceratopogon puncticollis* BECKER, 1903).
- parroti** KIEFFER, 1922: Archs Insts Pasteur Afr. N., 2(4): 502 (*Culicoides*). Type-locality: Biskra (Algeria).—Distr.: Central and South Europe; USSR: CET (Uk, Rs), SET, TC, SMA (Tj, Tu, Uz); Asia: Turkey, Iran; North Africa: Algeria, Morocco.
- puncticollis** (BECKER, 1903): Mitt. zool. Mus. Berlin, 2(3): 75 (*Ceratopogon*). Type-locality: Egypt.—Distr.: Central and South Europe; USSR: CET (Rs), SET, TC, KZ, SMA, WS (Tuva); Asia: Turkey, Israel, Iraq, Afghanistan; North Africa.
- impressus* KIEFFER, 1918: Anns hist.-nat. Mus. natn. hung., 16: 47. (*Culicoides*). Type-locality: Saint-Germain (Tunisia).
- distigma* KIEFFER, 1922: Archs Insts Pasteur Afr. N., 2(4): 502 (*Culicoides*). Type-locality: Algeria.
- donatieni* KIEFFER, 1922: Archs Insts Pasteur Afr. N., 2(4): 504 (*Culicoides*). Type-locality: Biskra (Algeria).
- sciniphes* KIEFFER, 1924: Bull. Soc. ent. Égypte, 8: 261 (*Culicoides*). Type-locality: Suess (Egypt).

- bipunctatus* VIMMER, 1932: Sb. ent. Odd. nár. Mus. Praze, 10(79): 133 (*Culicoides*). Type-locality: Israel.
- flavitaris* VIMMER, 1932: Sb. ent. Odd. nár. Mus. Praze, 10(79): 137 (*Culicoides*). Type-locality: Israel.
- griseovittatus* VIMMER, 1932: Sb. ent. Odd. nár. Mus. Praze, 10(79): 139 (*Culicoides*). Type-locality: Israel.
- luteosignatus* VIMMER, 1932: Sb. ent. Odd. nár. Mus. Praze, 10(79): 139 (*Culicoides*). Type-locality: Israel.
- tripunctatus* VIMMER, 1932: Sb. ent. Odd. nár. Mus. Praze, 10(79): 136 (*Culicoides*). Type-locality: Israel.
- vavrai* VIMMER, 1932: Sb. ent. Odd. nár. Mus. Praze, 10(79): 140 (*Culicoides*). Type-locality: Israel.
- wenigi* VIMMER, 1932: Sb. ent. Odd. nár. Mus. Praze, 10(79): 137 (*Culicoides*). Type-locality: Israel.
- riethi** KIEFFER, 1914: Arch. Hydrobiol, Suppl., 2(1): 237 (*Culicoides*). Type-localities: Westfalen, Sassendorf und Salzkotten [D].—Distr.: Central Europe; USSR: NET, SET, TC, KZ, SMA, ES, FE; Asia: Iran, Mongolia, China, Japan; North Africa: Morocco, Egypt; Oriental Region.
- cordatus* KIEFFER, 1921: Archs Insts Pasteur Afr. N., 1(1): 114 (*Culicoides*). Type-locality: Libau (Latvian SSR).
- [*homotomus* KIEFFER, 1922: Anns Soc. linn. Lyon, 68: 158 (*Culicoides*). Type-locality: Taiwan.]
- crassiforceps* KIEFFER, 1924: Bull. Soc. Hist. nat. Moselle, 30: 15 (*Culicoides*). Type-locality: Holstein [D].
- osakensis* IWATA, 1935: Trans. ent. Soc. Hiroshima, 2(1/2): 7 (*Culicoides*). Type-locality: Osaka Pref. (Honshu).
- stigma** (MEIGEN, 1818): Syst. Besch., 1: 73 (*Ceratopogon*). Type-locality: not given (?Aachen) [D].—Distr.: North and Central Europe; USSR: forest zone; North Africa: Egypt.
- kiefferi* GOETGHEBUER, 1910: Revue mens. Soc. ent. namur., 10: 96 (*Culicoides*). Type-locality: Gand (Belgium).
- cordiformitarsis*, CARTER, 1916: Ann. trop. Med. Parasit., 10(1): 134 (*Culicoides*). Type-locality: Gizeh Pyramids nr Kairo (Egypt).
- unimaculatus* GOETGHEBUER, 1920: Mém. Mus. r. Hist. nat. Belg., 8(3): 57 (*Culicoides*). Type-localities: Gand et Bruxelles (Belgium).
- stigmoides* CALLOT, KREMER et DEDUIT, 1962: Anns Parasit. hum. comp., 37(1/2): 166 (*Culicoides*). Type-locality: La Ferée, Ardennes (France).



Doubtful species of *Culicoides*

- albipennis* KIEFFER, 1925: Faune de France, 11: 76 (*Culicoides*). Type-locality: France.
- albonotatus* KIEFFER, 1918: Anns hist.-nat. Mus. natn. hung., 16: 94 (*Culicoides*). Type-locality: Köktsche-Kissik (Turkey).
- algecirensis* (STROBL, 1900): Wien. ent. Ztg, 19: 170 (*Ceratopogon*, as var. of *pulicaris* LINNAEUS). Type-locality: Algeciras (Spain). Probably a synonym of *Culicoides puncticollis* (BECKER, 1903).
- alpicola* (STROBL, 1910): Mitt. naturw. Ver. Steierm., 46: 263 (*Ceratopogon*, as var. of *oculatus* STROBL). Type-locality: Admont, Schutzhau der Natterriegel (Austria).
- analís* SANTOS ABREU, 1918: Mem. R. Acad. Cienc. Artes Barcelona, 14(2): 297 (*Culicoides*). Type-locality: La Palma (Canary Is).
- aricola* KIEFFER, 1922: Archs Insts Pasteur Afr. N., 2(3): 391 (*Culicoides*). Type-locality: Vienna (Austria).
- belgicus* KIEFFER, 1919: Anns hist.-nat. Mus. natn. hung., 17: 43 (*Culicoides*). Type-locality: Belgium.
- biarcuatus* VIMMER, 1932: Sb. ent. Odd. nár. Mus. Praze, 10(79): 137 (*Culicoides*). Type-locality: Israel.
- bodenheimeri* VIMMER, 1932: Sb. ent. Odd. nár. Mus. Praze, 10(79): 138 (*Culicoides*). Type-locality: Israel.
- bromophilus* KIEFFER, 1922: Archs Insts Pasteur Afr. N., 2(3): 39 (*Culicoides bromophila*, an incorrect original spelling). Type-locality: Vienna (Austria).
- cilipes* KIEFFER, 1921: Anns Soc. scient. Brux., 40: 275 (*Culicoides*). Type-locality: Latvian SSR.
- cinereus* (KIEFFER, 1925): Archs Inst. Pasteur Algér., 3(4): 417 (*Prossapelma*). Type-locality: Pöstyén (Czechoslovakia).
- cordiformis* KIEFFER, 1927: Sber. naturf. Ges. Tartu, 33(2): 61 (*Culicoides*). Type-locality: Estonian SSR.
- cunctans* (WINNERTZ, 1852): Linn. ent., 6: 42 (*Ceratopogon*). Type-locality: Crefeld [D].
- flavipes* VIMMER, 1932: Sb. ent. Odd. nár. Mus. Praze, 10(79): 136 (*Culicoides*). Type-locality: Israel.
- flaviostris* VIMMER, 1932: Sb. ent. Odd. nár. Mus. Praze, 10(79): 137 (*Culicoides*). Type-locality: Israel.
- fossicola* KIEFFER, 1922: Anns Soc. scient. Brux., 41(2): 236 (*Culicoides*). Type-locality: Plön [D].
- fuscus* GOETGHEBUER, 1952: Bull. Inst. r. Sci. nat. Belg., 28(62): 1 (*Culicoides*). Type-locality: Saint-Jean-in Eremo (Belgium).
- griseolus* (ZETTERSTEDT, 1855): Dipt. Scand., 12: 4865 (*Ceratopogon*). Type-locality: Westrogothia (Sweden).
- latipennis* KIEFFER, 1919: Anns hist.-nat. Mus. natn. hung., 17: 37 (*Culicoides*). Type-locality: Hungary.
- maculatus* ZILAHÍ-SEBESS, 1936: Arb. ung. biol. ForschInst., 8: 202 (*Culicoides*, as var. of *pictipennis* STAEGER). Type-locality: Balaton (Hungary). A junior primary homonym of *Culicoides maculatus* SHIRAKI, 1913 (Taiwan).
- mayeri* GOETGHEBUER, 1935: Encycl. ent. (B II) Dipt., 8: 3 (*Culicoides*). Type-locality: Plön [D].
- micromaculatus* VIMMER, 1932: Sb. ent. Odd. nár. Mus. Praze, 10(79): 139 (*Culicoides*). Type-locality: Israel.
- musciicola* KIEFFER, 1925: Faune de France, 11: 85 (*Culicoides*). Type-locality: France.
- mystacinus* VIMMER, 1932: Sb. ent. Odd. nár. Mus. Praze, 10(79): 139 (*Culicoides*). Type-locality: Israel.
- nanulus* KIEFFER, 1919: Anns hist.-nat. Mus. natn. hung., 17: 38 (*Culicoides*). Type-locality: Leányfalu (Hungary).
- nigrosignatus* KIEFFER, 1901: Bull. Soc. Hist. nat. Moselle, 21: 161 (*Culicoides*). Type-locality: Bitche (France).
- nigrus* TOKUNAGA, 1941: Insecta matsum., 15(3): 98 (*Culicoides*, as var. of *arcuatus* WINNERTZ). Type-locality: Yablonia (Manchuria).
- nuntius* CAMBOURNAC, 1970: Anais Esc. nac. Saúde públ. e Med. trop., 4(1-4): 249 (*Culicoides*). Type-locality: Vale d'Arquinha (Portugal).
- oculatus* (STROBL, 1910): Mitt. naturw. Ver. Steierm., 46: 262 (*Ceratopogon*). Type-locality: Admont (Austria).
- photophilus* KIEFFER, 1911: Bull. Soc. Hist. nat. Moselle, 27: 4 (*Culicoides*). Type-locality: Gotha [DDR].
- pictellum* (RONDANI, 1869): Arch. Zool. Anat. Fisiol., (2) 1: 190 (*Ceratopogon*). Type-locality: Italy.
- pilosipennis* KIEFFER, 1924: Bull. Soc. ent. Égypte, 8: 257 (*Culicoides*). Type-locality: Suess (Egypt).
- pumilus* (WINNERTZ, 1852): Linn. ent., 6: 46 (*Ceratopogon*). Type-locality: Crefeld [D].

- puncticeps* GOETGHEBUER, 1934: 13a. Heleidae, Fliegen pal. Reg., 3: 91 (*Culicoides*). Type-locality: Austria.
- quadrivittatus* VIMMER, 1932: Sb. ent. Odd. nár. Mus. Praze, 10(79): 136 (*Culicoides*). Type-locality: Israel.
- quinquemaculatus* VIMMER, 1932: Sb. ent. Odd. nár. Mus. Praze, 10(79): 132 (*Culicoides*). Type-locality: Israel.
- rochenus* CAMBOURNAC, 1970: Anais Esc. nac. Saúde públ. e Med. trop., 4(1-4): 250 (*Culicoides*). Type-locality: Vale do Sado, Portugal.
- simulans* VIMMER, 1932: Sb. ent. Odd. nár. Mus. Praze, 10(79): 136 (*Culicoides*). Type-locality: Israel.
- stigmaticus* KIEFFER, 1911: Bull. Soc. Hist. nat. Moselle, 27: 4 (*Culicoides*). Type-locality: Germania.

### Doubtful species of Ceratopogoninae

- haranti* W. et N. HUTTEL, 1952: Bull. Soc. ent. Fr., 57(2): 31 (*Monohalea*). Type-locality: Montpellier (France).
- nigrita* GOETGHEBUER, 1941: Arch. Hydrobiol., 38(2): 288 (*Monohalea*). Type-locality: Germany.
- similis* GOETGHEBUER, 1927: Bull. Anns Soc. r. ent. Belgr., 67: 203 (*Monohalea*). Type-locality: Bois de Melle (Belgium).
- parvula* KIEFFER, 1925: Archs Inst. Pasteur Algér., 3(4): 420 (*Diplohelea*). Type-locality: Kaliningrad obl., Zehlau Moor (USSR).

## Subfamily Dasyheleinae

### Dasyhelea KIEFFER, 1911

- KIEFFER, 1911: Bull. Soc. Hist. nat. Moselle, 27: 5.  
Type-species: *Dasyhelea halophila* KIEFFER, 1911: l.c.: 5 (mon.).
- Cryptoscena* ENDERLEIN, 1936: Tierwelt Mitteleur., 6(2) Diptera: 51. Type-species: *Ceratopogon palustris* MEIGEN, 1804: Klass. Besch., 1: 28 (mon.).
- Prokempia* KIEFFER, 1913: see below as subgenus.
- Pseudoculicoides* MALLOCH, 1915: see below as subgenus.
- Dicryptoscena* ENDERLEIN, 1936: see below as subgenus.
- Sebessia* REMM, 1979: see below as subgenus.

### Subgenus SEBESSIA REMM, 1979

- REMM, 1979: Dipterol. uurimusi, Tartu: 55.  
Type-species: *Dasyhelea flavopyga* ZILAHÍ-SEBESS, 1940: Folia ent. hung., 5: 49 (orig. des.).
- acuminata* KIEFFER, 1919: Anns hist.-nat. Mus. natn. hung., 17: 60 (*Dasyhelea*). Type-locality: Keszthely (Hungary).—Distr.: Europe: H; USSR: CET (Est).
- centridorsalis* TOKUNAGA, 1963: Scient. Rep. Kyoto prefect. Univ. Agric., 15: 39 (*Dasyhelea*). Type-locality: Tokyo (Japan).—Distr.: Asia: Japan.

- crassipilosa** TOKUNAGA, 1956: *Scient. Rep. Saikyo Univ. Agric.*, **8**: 114 (*Dasyhelea*).  
Type-locality: Yonago, Tottori Pref. (Honshu).—Distr.: Asia: Japan.
- flavopyga** ZILAHÍ-SEBESS, 1940: *Folia ent. hung.*, **5**: 49 (*Dasyhelea*). Type-locality:  
Szeged (Hungary).—Distr.: Europe: H; USSR: CET (Est), KZ, SMA  
(Ki), ES (Yakutia); Asia: Iran.
- fuscocincta** REMM, 1967: *Tartu Ülik. Metsaosak. Toim.*, **194**: 12 (*Dasyhelea*). Type-  
locality: Ali-Bairamly (Azerbaijan SSR).—Distr.: USSR: TC (Az).
- holosericea** (MEIGEN, 1804): *Klass. Besch.*, **1**: 27 (*Ceratopogon*). Type-locality: not  
given (?Aachen) [D].—Distr.: Europe: A, D, GB; USSR: CET (Est, Li,  
Rs).
- oreocincta** REMM, 1980: *Tartu Ülik. Metsaosak. Toim.*, **516**: 103 (*Dasyhelea*). Type-  
locality: Arslanbob (Kirghiz SSR).—Distr.: USSR: SMA (Ki).

### Subgenus DICRYPTOSCENA ENDERLEIN, 1936

- ENDERLEIN, 1936: *Tierwelt Mitteleur.*, **6**(2) Diptera: 51.  
Type-species: *Dasyhelea inclusa* KIEFFER, 1918: *Ent. Mitt.*, **7**(12): 188 (mon).
- bactriana** REMM, 1980: *Tartu Ülik. Metsaosak. Toim.*, **516**: 104 (*Dasyhelea*). Type-  
locality: Krestyanskoye (Uzbek SSR).—Distr.: USSR: SMA (Tj, Tu,  
Uz).
- baculata** REMM, 1967: *Tartu Ülik. Metsaosak. Toim.*, **194**: 15 (*Dasyhelea*). Type-  
locality: Haragouli (Georgian SSR).—Distr.: USSR: SET (Rs), TC (Ge).
- ferruginosa** REMM et NASARMUCHAMEDOV, 1969: *Uzbek. biol. Zh.*, **13**(4): 54  
(*Dasyhelea*). Type-locality: Yolotan (Turkmen SSR).—Distr.: USSR:  
SMA (Tj, Tu, Uz).
- fulvosa** REMM, 1967: *Tartu Ülik. Metsaosak. Toim.*, **194**: 16 (*Dasyhelea*). Type-  
locality: Kuheti (Azerbaijan SSR).—Distr.: USSR: TC (Az).
- guanchense** CLASTRIER, 1966: *Ann. Soc. ent. Fr. (N.S.)*, **2**(3): 702 (*Dasyhelea*). Type-  
locality: Puerto de la Cruz, Tenerife.—Distr.: Canary Is.
- inclusa** KIEFFER, 1918: *Ent. Mitt.*, **7**(12): 188 (*Dasyhelea*). Type-locality:  
Bohemia.—Distr.: Europe: CS.
- kurensis** REMM, 1967: *Tartu Ülik. Metsaosak. Toim.*, **194**: 14 (*Dasyhelea*). Type-  
locality: Kuheti (Azerbaijan SSR).—Distr.: Europe: R; USSR: TC (Az),  
SMA (Ki, Tu).
- mayeri* SPATARU et DAMIAN-GEORGESCU, 1970: *Studii Cerc. Biol. Zool.*, **22**(5):  
422 (*Dasyhelea*). Type-locality: Sinaia (Roumania).
- littoralis** GOETGHEBUER, 1934: *Bull. Anns Soc. r. ent. Belg.*, **74**: 289 (*Dasyhelea*).  
Type-locality: Panne (Belgium).
- lucida** REMM *in* REMM and ZHOGOLEV, 1968: *Ent. Obozr.*, **47**(4): 831 (*Dasyhelea*).  
Type-locality: Tshaladidi, Kolhida (Georgian SSR).—Distr.: USSR:  
CET (Est), SET (Uk, Rs), TC, KZ, SMA (Ki).

- manassi** REMM, 1980: Tartu Ülik. Metsaosak. Toim., **516**: 106 (*Dasyhelea*). Type-locality: Arslanbob (Kirghiz SSR).—Distr.: USSR: SMA (Ki).
- moascari** MACFIE, 1943: Proc. R. ent. Soc. Lond. (B), **12**: 153 (*Dasyhelea*). Type-locality: Moascar (Egypt).—Distr.: North Africa: Egypt.
- modesta** (WINNERTZ, 1852): Linn. ent., **6**: 43 (*Ceratopogon*). Type-locality: Crefeld [D].—Distr.: Europe; USSR: in all regions; Asia: Japan.
- aestiva* (WINNERTZ, 1852): Linn. ent., **6**: 42 (*Ceratopogon*). Type-locality: Crefeld [D].
- longipalpis* KIEFFER, 1913: Bull. Soc. Hist. nat. Moselle, **28**: 37 (*Dasyhelea*). Type-locality: "Westphalie" (Germany).
- strobl* KIEFFER, 1919: Annl. hist.-nat. Mus. natn. hung., **17**: 63 (*Dasyhelea*). Type-locality: Algeciras (Spain). "New name" for *Ceratopogon versicolor* var. *obscurus*: STROBL, 1900, not WINNERTZ; misidentification.
- pratensis* GOETGHEBUER, 1920: Mém. Mus. r. Hist. nat. Belg., **8**(3): 44 (*Dasyhelea*). Type-locality: Heusden (Belgium).
- densipilosa* TOKUNAGA, 1963: Scient. Rep. Kyoto prefect. Univ. Agric., **15**: 41 (*Dasyhelea*). Type-locality: Tokyo (Japan).
- notata** GOETGHEBUER, 1920: Mém. Mus. r. Hist. nat. Belg., **8**(3): 47 (*Dasyhelea*). Type-locality: Gand (Belgium).—Distr.: Central Europe; USSR: CET, SET (Mo), TC (Az, Ge), SMA (Ki).
- thienemanni* SPATARU et DAMIAN-GEORGESCU, 1970: Studii. Cerc. Biol. Zool., **22**(5): 425 (*Dasyhelea*). Type-locality: Sinaia (Roumania).
- paracuminata** REMM, 1980: Tartu Ülik. Metsaosak. Toim., **516**: 104 (*Dasyhelea*). Type-locality: Dzhilikul (Tajik SSR).—Distr.: USSR: (Tj).
- polita** EDWARDS, 1921: Scott. Nat., **115/116**: 124 (*Dasyhelea*). Type-locality: Corriegills, Arran (Scotland).—Distr.: Europe: B, GB.
- semistriata** GOETGHEBUER, 1921: Mém. Mus. r. Hist. nat. Belg., **8**(4): 176 (*Dasyhelea*). Type-locality: Virton (Belgium).—Distr.: Europe: B, GB, H.
- stellata** REMM in REMM and ZHOGOLEV, 1968: Ent. Obozr., **47**(4): 831 (*Dasyhelea*). Type-locality: Gisel (North Osetian ASSR).—Distr.: Europe: F; USSR: SET (Rs, Uk).
- sziladyi** ZILAHÍ-SEBESS, 1936: Acta biol., Szeged, **4**(1): 42 (*Dasyhelea*). Type-localities: Gyón, Szeged, Tápé (Hungary).—Distr.: Europe: D, H; USSR: NET, CET, TC (Az, Ge), SMA (Ki), WS, ES, FE.

#### Subgenus DASYHELEA KIEFFER, 1911

- abreui** KIEFFER, 1921: Bull. Soc. ent. Fr., **1921**: 7 (*Dasyhelea*, new name for *Culicoides versicolor* var. *flaviventris* SANTOS ABREU, 1918, a junior primary homonym of *Culicoides flaviventris* GOETGHEBUER, 1910 [= *Dasyhelea*]).—Distr.: Canary Is.

- flaviventris* (SANTOS ABREU, 1918): Memos R. Acad. Cienc. Artes Barcelona, **14**(2): 292 (*Culicoides*, as var. of *versicolor* WINNERTZ). Type-locality: Canary Is.
- albidipes* (SANTOS ABREU, 1918): Memos R. Acad. Cienc. Artes Barcelona, **14**(2): 291 (*Culicoides*, as var. of *versicolor* WINNERTZ). Type-locality: Canary Is.—Distr.: Canary Is.
- baltica* REMM, 1966: Tartu Ülik. Metsaosak. Toim., **180**: 58 (*Dasyhelea*). Type-locality: Nigula stream, Elva district (Estonian SSR).—Distr.: Europe: R: USSR: CET (Est, Li, By, Rs), SMA (Ki), ES.
- bensoini* EDWARDS, 1933: Scott. Nat., **201**: 91 (*Dasyhelea*). Type-locality: Glenlochay, Perthshire (Scotland).—Distr.: Europe: GB.
- bilineata* GOETGHEBUER, 1920: Mém. Mus. r. Hist. nat. Belg., **8**(3): 45 (*Dasyhelea*). Type-locality: Uccle (Belgium).—Distr.: Europe: B.
- brunnea* (SANTOS ABREU, 1918): Memos R. Acad. Cienc. Artes Barcelona, **14**(2): 295 (*Culicoides*, as var. of *versicolor* WINNERTZ). Type-locality: Canary Is.—Distr.: Canary Is.
- bullocki* TOKUNAGA, 1958: Akitu, **7**: 75 (*Dasyhelea*). Type-locality: Seoul (Korea).—Distr.: Asia: Korea.
- canariensis* (SANTOS ABREU, 1918): Memos R. Acad. Cienc. Artes Barcelona, **14**(2): 293 (*Culicoides*, as var. of *versicolor* WINNERTZ). Type-locality: Canary Is.—Distr.: Canary Is.
- coarctata* KIEFFER, 1914: Arch. Hydrobiol. Suppl., **2**(1): 231 (*Dasyhelea*). Type-locality: Monte San Bernardo, Lugano district (Italy).—Distr.: Europe: I, NL.
- dieuzeidei* (VAILLANT, 1957): Bull. St. Aquic. Pêche Castiglione, **9**: 263 (*Culicoides*). Type-locality: Bastia, Corse (France).—Distr.: Europe: F; North Africa: Algeria.
- dufour* (LABOULBÈNE, 1869): Anns Soc. ent. Fr., (4) **9**: 158 (*Ceratopogon*). Type-locality: Paris (France).—Distr.: Europe; USSR: all regions; Asia: Mongolia, North China, Japan; Canary Is.; Azores.
- sensualis* KIEFFER, 1919: Anns hist.-nat. Mus. natn. hung., **17**: 55 (*Dasyhelea*). Type-localities: Istria (Yugoslavia) et Creta Is. (Greece).
- geleiana* ZILAHÍ-SEBESS, 1931: Arch. Hydrobiol., **23**(2): 321 (*Dasyhelea*). Type-locality: Kővágóörs (Hungary).
- montana* ZILAHÍ-SEBESS, 1940: Folia ent. hung., **5**(1-4): 48 (*Dasyhelea*, as var. of *dufour*). Type-locality: Hungary.
- olivacea* REMM, 1962: Tartu Ülik. Metsaosak. Toim., **120**: 117 (*Dasyhelea*). Type-locality: Puhtu (Estonian SSR).
- fenestralis* (SANTOS ABREU, 1918): Memos R. Acad. Cienc. Artes Barcelona, **14**(2): 293 (*Culicoides*, as var. of *versicolor* WINNERTZ). Type-locality: Canary Is.—Distr.: Canary Is.
- flavifrons* (GUÉRIN, 1833): Anns Soc. ent. Fr., **2**: 165 (*Ceratopogon*). Type-locality: Passy (France).—Distr.: Europe: F.



- flavimanus** (SANTOS ABREU, 1918): Mem. R. Acad. Cienc. Artes Barcelona, **14**(2): 292 (*Culicoides*, as var. of *versicolor* WINNERTZ). Type-locality: Canary Is.—Distr.: Canary Is.
- fungivora** KRIVOSHEINA et REMM, 1974: Насекомые—разрушители...: 123 (*Dasyhelea*). Type-locality: Ussuri nat. res., Primorye region (USSR).
- fusca** CARTER, INGRAM et MACFIE, 1921: Ann. trop. Med. Parasit., **15**(3): 204 (*Dasyhelea*). Type-locality: nr Accra, Oblago.—Distr.: North Africa: Egypt; Afrotropical Region.
- georgei** W. et N. HUTTEL, 1954: Bull. Soc. ent. Fr., **59**(3–4): 39 (*Dasyhelea*). Type-locality: Argelliers (Herauld) (France).
- halophila** KIEFFER, 1911: Bull. Soc. Hist. nat. Moselle, **27**: 5 (*Dasyhelea*). Type-locality: Rovigno (Yugoslavia).—Distr.: Europe: YU.
- homocera** KIEFFER, 1919: Anns hist.-nat. Mus. natn. hung., **17**: 56 (*Dasyhelea*). Type-locality: Abbazia, Istria (Yugoslavia).—Distr.: Europe: YU.
- incisurata** REMM, 1962: Tartu Ülik. Metsaosak. Toim., **120**: 114 (*Dasyhelea*). Type-locality: Pedja (Estonian SSR).—Distr.: USSR: CET (Est, Rs), ES, FE (Sakhalin).
- insignipalpis** KIEFFER, 1925: Faune de France, **11**: 61 (*Dasyhelea*, as var. of *versicolor* WINNERTZ). Type-locality: München [D].—Distr.: Europe: B, D, S, SF.
- lignicola** KIEFFER, 1919: Anns hist.-nat. Mus. natn. hung., **17**: 57 (*Dasyhelea*). Type-locality: Bohemia (Czechoslovakia).—Distr.: Europe: CS.
- lithotelmatica** STRENZKE, 1950: Arch. Hydrobiol. Suppl., **18**(1): 178 (*Dasyhelea*). Type-locality: Lunz (Austria).—Distr.: Europe: A, F, GB.
- luteipalpis** (SANTOS ABREU, 1918): Mem. R. Acad. Cienc. Artes Barcelona, **14**(2): 292 (*Culicoides*, as var. of *versicolor* WINNERTZ). Type-locality: Canary Is.—Distr.: Canary Is.
- luteocincta** KIEFFER, 1924: Bull. Soc. ent. Égypte, **8**: 254 (*Dasyhelea*). Type-locality: Maadi (Egypt).—Distr.: North Africa: Egypt.
- malleolus** REMM, 1962: Tartu Ülik. Metsaosak. Toim., **120**: 119 (*Dasyhelea*). Type-locality: Tõrva, Valga district (Estonian SSR).—Distr.: Europe: D, E; USSR: NET, CET (Est, Rs), FE (Kunashir).
- maritima** TOKUNAGA, 1940: Tenthredo, **3**(2): 126 (*Dasyhelea*). Type-locality: Takasiba, Wakayame-ken, Honshu (Japan).—Distr.: Asia: Japan.
- nyasae** INGRAM et MACFIE, 1925: Bull. ent. Res., **15**(3): 286 (*Dasyhelea*). Type-locality: Fort Johnston (Malawi).—Distr.: North Africa: Egypt; Afrotropical Region.
- obscura** (WINNERTZ, 1852): Linn. ent., **6**: 45 (*Ceratopogon*). Type-locality: Crefeld [D].—Distr.: Europe; USSR: CET, SET, TC (Arm, Ge), ES, FE.
- ornatigaster** (SANTOS ABREU, 1918): Mem. R. Acad. Cienc. Artes Barcelona, **14**(2): 294 (*Culicoides*, as var. of *versicolor* WINNERTZ). Type-locality: Canary Is.—Distr.: Canary Is.
- palliventris** (GOETGHEBUER, 1931): Bull. Anns Soc. r. ent. Belg., **71**: 211 (*Tetrphora*). Type-locality: Germany.—Distr.: Europe: D.

- paludicola** KIEFFER, 1925: Beitr. Kunde Estlands, 10(4/5): 152 (*Dasyhelea*). Type-locality: Hiiumaa (Estonian SSR).—Distr.: Europe: D; USSR: CET, SET, TC (Az, Ge), SMA (Ki, Tj, Tu), WS, ES, FE.
- paragrata** REMM, 1972: Tartu Ülik. Metsaosak. Toim., 293: 72 (*Dasyhelea*). Type-locality: Kyren (Buryat ASSR).—Distr.: USSR: ES.
- quinquetaeniata** CLASTRIER, 1966: Annl. Soc. ent. Fr. (N.S.), 2(3): 699 (*Dasyhelea*). Type-locality: Puerto de la Cruz, Tenerife.—Distr.: Canary Is.
- saxicola** (EDWARDS, 1929): Trans. R. ent. Soc. Lond., 77(2): 426 (*Tetrastoma*). Type-locality: Witherslack, Westmorland (Great Britain).—Distr.: Europe: GB.
- strigosa** KIEFFER, 1922: Archs Insts Pasteur Afr. N., 2(4): 514 (*Dasyhelea*). Type-locality: Algeria.—Distr.: North Africa: Algeria.
- tecticola** REMMERT, 1953: Beitr. Ent., 3(3): 333 (*Dasyhelea*). Type-locality: Hannover [D].—Distr.: Europe: D.
- tenerifensis** CLASTRIER, 1966: Annl. Soc. ent. Fr. (N.S.), 2(3): 694 (*Dasyhelea*). Type-locality: Puerto de la Cruz, Tenerife.—Distr.: Canary Is.
- tshatkalensis** REMM, 1980: Tartu Ülik. Metsaosak. Toim., 516: 106 (*Dasyhelea*). Type-locality: Sary-Chelek (Kirghiz SSR).—Distr.: USSR: SMA (Ki).
- unicolor** REMM, 1962: Tartu Ülik. Metsaosak. Toim., 120: 119 (*Dasyhelea*). Type-locality: Parika lake (Estonian SSR).—Distr.: USSR: CET (Est, Rs), FE.
- verdieri** W. et N. HUTTEL, 1951: Entomologiste, 7(4/5): 103 (*Dasyhelea*). Type-locality: Rambouillet (France).—Distr.: Europe: F.
- vernalis** REMM, 1979: Dipterol. uurimusi, Tartu: 56 (*Dasyhelea*). Type-locality: Vohnja, Harju district (Estonian SSR).—Distr.: USSR: CET (Est), ES, FE (Amur obl.).
- versicolor** (WINNERTZ, 1852): Linn. ent., 6: 45 (*Ceratopogon*). Type-locality: Crefeld [D].—Distr.: Europe: A, B, D, E, GB, H, NL, S, SF; USSR: ?CET (Rs); North Africa: Algeria; Canary Is.
- hippocastani* (MIK, 1888): Wien. ent. Ztg, 7: 185 (*Ceratopogon*). Type-locality: Wien (Austria).
- brevitibialis* GOETGHEBUER, 1919: Annl. Biol. lacustre, 9: 72 (*Dasyhelea*, as unnecessary new name for *Culicoides versicolor*: GOETGHEBUER 1914: Annl. Biol. lacustre, 7: 181).
- goetghebueri* KIEFFER, 1919: Annl. hist.-nat. Mus. natn. hung., 17: 53 (*Dasyhelea*). Type-locality: Belgium.
- yoshimurai** TOKUNAGA, 1940: Tenthredo, 3(2): 124 (*Dasyhelea*). Type-locality: Kyoto, Honshu (Japan).—Distr.: USSR: FE; Asia: Japan (Honshu, Ryukyu).

### Subgenus PROKEMPIA KIEFFER, 1913

KIEFFER, 1913: Rec. Indian Mus., 9(3): 163.

Type-species: *Dasyhelea ornaticornis* KIEFFER, 1913: l.c.: 180 (des. WIRTH, 1973: Cat. Dipt. Oriental Reg., 1: 358); not Palearctic.

- bilobata** KIEFFER, 1915: Brotéria, 13(2): 64 (*Dasyhelea*). Type-locality: France.—Distr.: Europe: F.
- biunguis** KIEFFER, 1925: Archs Inst. Pasteur Algér., 3(4): 409 (*Dasyhelea*). Type-locality: Zehlau Moor, Kaliningrad obl. (USSR).—Distr.: USSR: CET (Est, Rs), FE.
- dampfi** KIEFFER, 1925: Beitr. Kunde Estlands, 10(4/5): 150 (*Dasyhelea*). Type-locality: Estonian SSR.—Distr.: Europe: H; USSR: CET (Est, La, Rs).
- turfacea** KIEFFER, 1925: Beitr. Kunde Estlands, 10(4/5): 151 (*Dasyhelea*). Type-locality: Estonian SSR.
- diplosis** KIEFFER, 1914: Arch. Hydrobiol. Suppl., 2(1): 232 (*Dasyhelea*). Type-locality: Sassendorf, Westfalen [D].—Distr.: Europe: D, F.
- bistriata** KIEFFER, 1915: Arch. Hydrobiol. Suppl., 2(2): 472 (*Dasyhelea*). Type-localities: Wintershall and Sassendorf, Westfalen [D].
- subaequalis** KIEFFER, 1915: Arch. Hydrobiol. Suppl., 2(2): 472 (*Dasyhelea*). Type-locality: "Geithebach bei Hamm" [D].
- flaviventris** (GOETGHEBUER, 1910): Revue mens. Soc. ent. namur., 10: 96 (*Culicoides*). Type-locality: Gand (Belgium).—Distr.: Central Europe: USSR: forest zone; Asia: Japan.
- halobia** (KIEFFER, 1914): Bull. Soc. Hist. nat. Moselle, 30: 12 (*Prokempia*). Type-locality: Holstein [D].
- lutea** REMM in REMM and ZHOGOLEV, 1968: Ent. Obozr., 47(4): 834 (*Dasyhelea*). Type-locality: Crimea.—Distr.: USSR: SET (Uk), TC (Az), SMA (Uz).
- luteiventris** GOETGHEBUER, 1934: 13a. Heleidae, Fliegen pal. Reg., 3: 90 (*Dasyhelea*). Type-locality: Hammern (Austria).—Distr.: Europe: A.
- spiralis** REMM, 1966: Tartu Ülik. Metsaosak. Toim., 180: 60 (*Dasyhelea*). Type-locality: Vilnius (Lithuanian SSR).—Distr.: Europe: D; USSR; CET (Est, Li, Rs), TC (Ge), KZ, SMA (Ki), WS, ES, FE.
- taurica** REMM in REMM and ZHOGOLEV, 1968: Ent. Obozr., 47(4): 834 (*Dasyhelea*). Type-locality: Kertsh (Crimea).—Distr.: USSR: SET (Crimea).

#### Subgenus PSEUDOCULICOIDES MALLOCH, 1915

MALLOCH, 1915: Bull. Ill. St. Lab. nat. Hist., 10(6): 309.

Type-species: *Ceratopogon mutabilis* COQUILLET, 1901: Proc. U.S. natn. Mus., 23: 602 (orig. des.).

- abhazica** REMM, 1967: Tartu Ülik. Metsaosak. Toim., 194: 21 (*Dasyhelea*). Type-locality: Sukhumi (Georgian SSR).—Distr.: USSR: TC (Ge).
- aithalodes** REMM, 1971: Живая природа Дальнего Востока: 200 (*Dasyhelea*). Type-locality: Phusun, Primorye region (USSR).—Distr.: Europe: CS, D; USSR: CET (Est), SMA (Tj), WS, FE.
- albohalterata** (SANTOS ABREU, 1918): Memos R. Acad. Cienc. Artes Barcelona, 14(2): 299 (*Culicoides*, as var. of *sericata* WINNERTZ). Type-locality: Canary Is.—Distr.: Canary Is.

- alboverrucosa** REMM, 1967: Tartu Ülik. Metsaosak. Toim., **194**: 17 (*Dasyhelea*).  
Type-locality: Ali-Bairamly (Azerbaijan SSR).—Distr.: USSR: SET (Mo), TC (Az), SMA (Tj, Tu, Uz), KZ.
- aperta** GOETGHEBUER, 1937: Bull. Anns Soc. r. ent. Belg., **77**: 415 (*Dasyhelea*).  
Type-locality: Planier Is. (France).
- arciforceps** TOKUNAGA, 1940: Tenthredo, **3**(2): 129 (*Dasyhelea*). Type-locality: Kitasirakawa, Kyoto, Honshu (Japan).—Distr.: USSR: FE (Sakhalin); Asia: Japan (Honshu), Korea.
- arenivaga** MACFIE, 1943: Proc. R. ent. Soc. Lond. (B), **12**: 151 (*Dasyhelea*, as var. of *inconspicua* CARTER, INGRAM et MACFIE). Type-locality: Moascar (Egypt).—Distr.: North Africa: Egypt.
- arenosa** KIEFFER, 1924: Bull. Soc. ent. Égypte, **8**: 255 (*Dasyhelea*). Type-locality: Kairo (Egypt).—Distr.: North Africa: Egypt.
- auli** REMM, 1926: Tartu Ülik. Metsaosak. Toim., **120**: 123 (*Dasyhelea*). Type-locality: Sangaste, Valga district (Estonian SSR).—Distr.: USSR: CET (Est), ES (Buryat ASSR).
- aurensis** REMM, 1981: ENSV TA Toim., biol., **30**(1): 32 (*Dasyhelea*, new name for *Dasyhelea biskraensis* GOETGHEBUER, 1939, a junior primary homonym *Dasyhelea biskraensis* KIEFFER, 1923).  
*biskraensis* GOETGHEBUER, 1919: Bull. Anns Soc. r. ent. Belg., **79**: 59 (*Dasyhelea*). Type-locality: Biskra (Algeria).
- begueti** KIEFFER, 1922: Archs Insts Pasteur Afr. N., **2**(4): 508 (*Dasyhelea*). Type-locality: Alger (Algeria).—Distr.: North Africa: Algeria.  
*astyla* KIEFFER, 1922: Archs Insts Pasteur Afr. N., **2**(4): 510 (*Dasyhelea*). Type-locality: Alger (Algeria).
- bicrenata** KIEFFER, 1923: Archs Inst. Pasteur Algér., **1**(4): 608 (*Dasyhelea*). Type-locality: Biskra (Algeria).—Distr.: USSR: SET (Mo), TC (Ge), WS (Tomsk); North Africa: Algeria.
- bifida** ZILAHİ-SEBESS, 1936: Acta biol., Szeged, **4**(1): 44 (*Dasyhelea*, as var. of *fasciigera* KIEFFER). Type-locality: Szeged (Hungary).—Distr.: Europe: E, H, R; USSR: SET (Mo), TC (Az, Arm), KZ, SMA, WS, ES.
- biskraensis** KIEFFER, 1923: Archs Inst. Pasteur Algér., **1**(4): 672 (*Dasyhelea*, as var. of *begueti* KIEFFER). Type-locality: Biskra (Algeria).—Distr.: North Africa: Algeria.
- calycata** REMM, 1972: Tartu Ülik. Metsaosak. Toim., **293**: 74 (*Dasyhelea*). Type-locality: Dus-Holl (Tuva ASSR).—Distr.: Europe: D; USSR: TC (Arm), KZ, WS, ES, FE (Kamchatka); Asia: Mongolia.
- canariensis** STORÅ, 1936: Commentat. biol., **6**(1): 36 (*Dasyhelea*, as var. of *flavoscutellata* ZETTERSTEDT). Type-locality: Tenerife. In *Dasyhelea* a junior secondary homonym of *Culicoides versicolor* var. *canariensis* SANTOS ABREU, 1918, see p. 76.—Distr.: Canary Is.
- clavifula** TOKUNAGA, 1940; Tenthredo, **3**(2): 135 (*Dasyhelea*). Type-locality: Kitasirakawa, Kyoto Honshu (Japan).—Distr.: Asia: Japan.

- communis** KIEFFER, 1918: *Annls hist.-nat. Mus. natn. hung.*, **16**: 55 (*Dasyhelea*). Type-locality: Tunis.—Distr.: Europe: GB, H, NL; North Africa: Tunisia.
- cornuta** REMM, 1972: *Tartu Ülik. Metsaosak. Toim.*, **293**: 77 (*Dasyhelea*). Type-locality: Seminsk pass, Altay (USSR).—Distr.: USSR: KZ (Tien-Shan, Dzhungar Ala-Tau), SMA (Altay), WS (Altay).
- cuneata** REMM, 1979: *Dipterol. uurimusi, Tartu*: 57 (*Dasyhelea*). Type-locality: Smirnykh (Sakhalin).—Distr.: USSR: CET (Est), FE (Sakhalin).
- dentiforceps** TOKUNAGA, 1940: *Tenthredo*, **3(2)**: 121 (*Dasyhelea*), "second form". Type-localities: Honshu (Kyoto and Tokyo).—Distr.: USSR: KZ, SMA (Tj, Uz), ES, FE; Asia: Japan.
- dimota** REMM, 1972: *Tartu Ülik. Metsaosak. Toim.*, **293**: 79 (*Dasyhelea*). Type-locality: Tes-Hem (Tuva ASSR).—Distr.: USSR: ES (Tuva, Yakutia); Asia: Mongolia.
- egypti** MACFIE, 1943: *Proc. R. ent. Soc. Lond. (B)*, **12**: 149 (*Dasyhelea*, as var. of *inconspicua* CARTER, INGRAM et MACFIE). Type-locality: Moascar (Egypt).—Distr.: North Africa: Egypt.
- eremita** REMM et NASARMUCHAMEDOV, 1969: *Uzbek. biol. Zh.*, **13(4)**: 56 (*Dasyhelea*). Type-locality: Dushanbe (Tajik SSR).—Distr.: USSR: SMA (Tj, Tu, Uz); Asia: North China (Mukden).
- erici** HAVELKA, 1978: *Z. ArbGem. öst. Ent.*, **30(1/2)**: 62 (*Dasyhelea*). Type-locality: Lunz (Austria).—Distr.: Europe: A.
- ermeri** REMM, 1967: *Tartu Ülik. Metsaosak. Toim.*, **194**: 17 (*Dasyhelea*). Type-locality: Haragouli (Georgian SSR).—Distr.: USSR: CET (Est), TC (Ge), SMA (Ki, Tj, Uz), WS, ES.
- europaea** REMM, 1962: *Tartu Ülik. Metsaosak. Toim.*, **120**: 122 (*Dasyhelea*, as subsp. of *bifurcata* WIRTH). Type-locality: Tartu (Estonian SSR).—Distr.: Europe: E, H, R; USSR: forest zone.
- falculata** REMM in REMM and ZHOGOLEV, 1968: *Ent. Obozr.*, **47(4)**: 833 (*Dasyhelea*). Type-locality: Gursuf (Crimea).—Distr.: USSR: SET (Uk), SMA (Ki); Canary Is.
- fasciigera** KIEFFER, 1925: *Beitr. Kunde Estlands*, **10(4/5)**: 151 (*Dasyhelea*). Type-locality: Estonian SSR.—Distr.: USSR: CET (Est, By).
- flavoscutellata** (ZETTERSTEDT, 1850): *Dipt. Scand.*, **9**: 3648 (*Ceratopogon*). Type-locality: Oslo (Norway).—Distr.: Europe; USSR: all regions; Asia: Turkey, Mongolia, China, Japan; North Africa: Algeria; Azores; Madeira; Canary Is.
- egens* (WINNERTZ, 1852): *Linn. ent.*, **6**: 43 (*Ceratopogon*). Type-locality: Crefeld [D].
- flaviscapula* KIEFFER, 1918: *Annls hist.-nat. Mus. natn. hung.*, **16**: 93 (*Dasyhelea*). Type-locality: Salyr (Turkey).
- heracleae* KIEFFER, 1919: *Annls hist.-nat. Mus. natn. hung.*, **17**: 59 (*Dasyhelea*). Type-locality: Herakleion (Creta Is.).

- halobia* KIEFFER, 1924: Bull. Soc. Hist. nat. Moselle, **30**: 20 (*Dasyhelea*). Type-locality: Holstein [D].
- floricola* KIEFFER, 1922: Archs Insts Pasteur Afr. N., **2**(4): 508 (*Dasyhelea*, as var. of *begueti* KIEFFER). Type-locality: "entre Bleida et Medea" (Algeria).—Distr.: North Africa: Algeria.
- franzella* GOETGHEBUER, 1950: Bull. Inst. r. Sci. nat. Belg., **26**(47): 3 (*Dasyhelea*). Type-locality: Admont (Austria).—Distr.: Europe: A.
- furcata* ZILAHİ-SEBESS, 1940: Folia ent. hung., **5**: 50 (*Dasyhelea*). Type-locality: Hungary.—Distr.: Europe: H; USSR: TC (Az, Ge), KZ, SMA, WS, ES, FE.
- nigra* ZILAHİ-SEBESS, 1940: Folia ent. hung., **5**: 50 (*Dasyhelea*, as var. of *furcata*). Type-locality: Hungary.
- furva* REMM, 1967: Tartu Ülik. Metsaosak. Toim., **194**: 21 (*Dasyhelea*). Type-locality: Gisel (North Osetian ASSR).—Distr.: USSR: CET (Est), SET (Rs), SMA (Tj), ES (Buryatia); North America: Canada.
- grenieri* CLASTRIER, 1966: Anns Soc. ent. Fr. (N.S.), **2**(3): 703 (*Dasyhelea*). Type-locality: Puerto de la Cruz, Tenerife.—Distr.: Canary Is.
- hamardabani* REMM, 1972: Tartu Ülik. Metsaosak. Toim., **293**: 75 (*Dasyhelea*). Type-locality: Kyren (Buryat ASSR).—Distr.: USSR: ES.
- heliophila* MACFIE, 1943: Proc. R. ent. Soc. Lond. (B), **12**: 150 (*Dasyhelea*, as var. of *inconspicua* CARTER, INGRAM et MACFIE). Type-locality: Nifisha nr Ismailia (Egypt).—Distr.: North Africa: Egypt.
- hirtipes* KIEFFER, 1922: Archs Insts Pasteur Afr. N., **2**(4): 508 (*Dasyhelea*, as var. of *begueti* KIEFFER). Type-locality: Algeria.—Distr.: North Africa: Algeria.
- inconspicua* CARTER, INGRAM et MACFIE, 1921: Ann. trop. Med. Parasit., **15**(3): 191 (*Dasyhelea*). Type-locality: Oblogo (Ghana).—Distr.: North Africa: Egypt; Afrotropical Region.
- ismailliae* MACFIE, 1943: Proc. R. ent. Soc. Lond. (B), **12**: 152 (*Dasyhelea*). Type-locality: Moascar (Egypt).—Distr.: North Africa: Egypt; South Africa.
- kibunensis* TOKUNAGA, 1940: Tenthredo, **3**(2): 135 (*Dasyhelea*). Type-locality: Kibune, Kyoto, Honshu (Japan).—Distr.: Asia: Japan.
- kyotoensis* TOKUNAGA, 1940: Tenthredo, **3**(2): 132 (*Dasyhelea*). Type-locality: Kitasirakawa, Kyoto, Honshu (Japan).—Distr.: USSR: FE; Asia: Japan.
- kyrenica* REMM, 1972: Tartu Ülik. Metsaosak. Toim., **293**: 75 (*Dasyhelea*). Type-locality: Kyren (Buryat ASSR).—Distr.: USSR: ES.
- leptocladus* REMM, 1967: Tartu Ülik. Metsaosak. Toim., **194**: 19 (*Dasyhelea*). Type-locality: Ali-Bairamly (Azerbaijan SSR).—Distr.: USSR: SET (Rs), TC (Az), SMA (Tu, Uz), ES.
- luteoscutellata* (SANTOS ABREU, 1918): Mem. R. Acad. Cienc. Artes Barcelona, **14**(2): 300 (*Culicoides*, as var. of *sericata* WINNERTZ). Type-locality: Canary Is.—Distr.: Canary Is.
- muradovi* REMM, 1980: Tartu Ülik. Metsaosak. Toim., **516**: 108 (*Dasyhelea*). Type-locality: Keledjar (Turkmen SSR).—Distr.: USSR: TC (Ar), KZ, SMA (Tj, Tu).



- noctuabunda** REMM, 1980: Tartu Ülik. Metsaosak. Toim., **516**: 109 (*Dasyhelea*). Type-locality: Lower Pyandzh (Tajik SSR).—Distr.: USSR: SMA (Tj, Tu, Uz).
- palustris** (MEIGEN, 1804): Klass. Beschr., **1**: 28 (*Ceratopogon*). Type-locality: not given (?Germany).—Distr.: Central Europe; USSR: ?CET.
- parallela** REMM, 1962: Tartu Ülik. Metsaosak. Toim., **120**: 125 (*Dasyhelea*). Type-locality: Viluvere, Pärnu district (Estonian SSR).—Distr.: Europe: IS; USSR: NET (Kola), CET (Est).
- perrara** REMM, 1980: Tartu Ülik. Metsaosak. Toim., **516**: 108 (*Dasyhelea*). Type-locality: Serahs (Turkmen SSR).—Distr.: USSR: SMA (Tu).
- punctiventris** GOETGHEBUER, 1940: Bull. Anns Soc. r. ent. Belg., **80**: 71 (*Dasyhelea*). Type-locality: Holstein [D].—Distr.: Europe: D.
- scutellata** (MEIGEN, 1830): Syst. Beschr., **6**: 262 (*Ceratopogon*). Type-locality: not given (?Aachen) [D].—Distr.: North and Central Europe; USSR: CET (Uk, Rs), TC (Ge, Az), WS, ES, FE; Asia: Japan; Canary Is.; North America.
- sericata** (WINNERTZ, 1852): Linn. ent., **6**: 34 (*Ceratopogon*). Type-locality: Crefeld [D].—Distr.: Europe; USSR: CET (Est), KZ, SMA (Ki); Canary Is.
- sericatoides** ZILAHÍ-SEBESS, 1940: Folia ent. hung., **5**: 53 (*Dasyhelea*). Type-locality: Hungary.—Distr.: Europe: H, R; USSR: CET (Rs), SET (Uk, Rs), TC (Az), KZ, SMA (Ki, Uz), WS, ES; Asia: China.
- siccicola* REMM in REMM and ZHOGOLEV, 1968: Ent. Obozr., **47**(4): 832 (*Dasyhelea*). Type-locality: Feodosia (Crimea).
- serristernum** REMM, 1967: Tartu Ülik. Metsaosak. Toim., **194**: 18 (*Dasyhelea*). Type-locality: Passanauri (Georgian SSR).—Distr.: USSR: SET (Rs), TC (Ge, Arm), ES.
- setoensis** TOKUNAGA, 1940: Tenthredo, **3**(2): 137 (*Dasyhelea*). Type-localities: Seto (Honshu) and Hakata, Hukuoka (Kyushu).—Distr.: Asia: Japan.
- similaris** REMM, 1972: Tartu Ülik. Metsaosak. Toim., **293**: 77 (*Dasyhelea*). Type-locality: Tagarhai (Buryat ASSR).—Distr.: Europe: D; USSR: CET (Est), ES.
- simpliradialis** TOKUNAGA, 1940: Tenthredo, **3**(2): 127 (*Dasyhelea*). Type-localities: Kyoto (Honshu) and Amakusa (Kyushu) (Japan).—Distr.: Asia: Japan.
- sternalis** REMM, 1980: Tartu Ülik. Metsaosak. Toim., **516**: 110 (*Dasyhelea*). Type-locality: Gissar (Tajik SSR).—Distr.: USSR: KZ, SMA (Tj, Tu, Uz).
- tessicola** REMM, 1972: Tartu Ülik. Metsaosak. Toim., **293**: 74 (*Dasyhelea*). Type-locality: Irbitei (Tuva ASSR).—Distr.: USSR: WS, ES.
- tuberculata** REMM, 1980: Tartu Ülik. Metsaosak. Toim., **516**: 109 (*Dasyhelea*). Type-locality: Gissar (Tajik SSR).—Distr.: USSR: SMA (Tj, Tu, Uz).
- turanicola** REMM et NASARMUCHAMEDOV, 1969: Uzbek. biol. Zh., **13**(4): 56 (*Dasyhelea*). Type-locality: Ust-Kamenogorsk (Kazakh SSR).—Distr.: Europe: D; USSR: KZ, SMA.

- turficola** KIEFFER, 1925: Beitr. Kunde Estlands, 10(4/5): 152 (*Dasyhelea*). Type-localities: Alatu and Määvli (Estonian SSR).—Distr.: Europe: GB, D; USSR: NET, CET (Est, Li, Rs), TC (Ge), WS, ES, FE.
- unbedarfti** HAVELKA, 1978: Beitr. naturk. Forsch. SüdwDtl., 37: 177 (*Dasyhelea*). Type-locality: Hirschau, Tübingen [D].—Distr.: Europe: D.
- undosternum** REMM, 1972: Tartu Ülik. Metsaosak. Toim., 293: 77 (*Dasyhelea*). Type-locality: Koo (Altay).—Distr.: SMA (Ki), WS (Altay).
- unguistylus** REMM, 1972: Tartu Ülik. Metsaosak. Toim., 293: 79 (*Dasyhelea*). Type-locality: Yakutsk.—Distr.: USSR: KZ, WS, ES; Asia: Mongolia.
- wuelkeri** MAYER, 1959: Dt. ent. Z., 6(1-3): 96 (*Dasyhelea*, as *wülkeri*, incorrect original spelling). Type-locality: Capo de Gota (Spain).—Distr.: Europe: E.

### Doubtful species of *Dasyhelea*

- abdominalis* (SANTOS ABREU, 1918): Mems R. Acad. Cienc. Artes Barcelona, 14(2): 303 (*Culicoides*). Type-locality: Canary Is.
- albidigaster* (SANTOS ABREU, 1918): Mems R. Acad. Cienc. Artes Barcelona, 14(2): 316 (*Culicoides*, as var. of *hiemalis* SANTOS ABREU). Type-locality: Canary Is.
- algarum* KIEFFER, 1924: Bull. Soc. Hist. nat. Moselle, 30: 21 (*Dasyhelea*). Type-locality: Holstein [D].
- alonensis* (STROBL, 1905): Mems R. Soc. esp. Hist. nat., 3(5): 396 (*Ceratopogon*). Type-locality: Alicante (Spain).
- bifurcata* KIEFFER, 1923: Archs Inst. Pasteur Algér., 1(4): 669 (*Dasyhelea*). Type-locality: Biskra (Algeria).
- bihamata* KIEFFER, 1923: Archs Inst. Pasteur Algér., 1(4): 667 (*Dasyhelea*). Type-locality: Biskra (Algeria).
- curtiradialis* TOKUNAGA, 1940: Tenthredo, 3(2): 130 (*Dasyhelea*). Type-locality: Kitasirakawa, Kyoto (Honshu).
- curtiviitta* TOKUNAGA, 1940: Tenthredo, 3(2): 124 (*Dasyhelea*). Type-locality: Kibune, Kyoto (Honshu).
- dasyptera* GOETGHEBUER, 1934: Bull. Anns Soc. r. ent. Belg., 74: 214 (*Dasyhelea*). Type-locality: Israel.
- decoratissima* (STROBL, 1910): Mitt. naturw. Ver. Steierm., 46: 264 (*Ceratopogon*). Type-locality: Steiermark (Austria).
- distalis* KIEFFER, 1918: Anns hist.-nat. Mus. natn. hung., 16: 94 (*Dasyhelea*). Type-locality: Eski-Tshehir (Turkey).
- erythrogaster* (SANTOS ABREU, 1918): Mems R. Acad. Cienc. Artes Barcelona, 14(2): 307 (*Culicoides*). Type-locality: Canary Is.
- estonica* KIEFFER, 1925: Archs Inst. Pasteur Algér., 3(4): 409 (*Dasyhelea*). Type-locality: Hiiumaa (Estonian SSR).
- eximia* (SANTOS ABREU, 1918): Mems R. Acad. Cienc. Artes Barcelona, 14(2): 312 (*Culicoides eximius*). Type-locality: Canary Is.
- fraterculus* (SANTOS ABREU, 1918): Mems R. Acad. Cienc. Artes Barcelona, 14(2): 305 (*Culicoides*). Type-locality: Canary Is.
- funebri* (MEIGEN, 1830): Syst. Besch., 6: 262 (*Ceratopogon*). Type-locality: not given (?Aachen) [D].
- hiemalis* (SANTOS ABREU, 1818): Mems R. Acad. Cienc. Artes Barcelona, 14(2): 314 (*Culicoides*). Type-locality: Canary Is.
- immaculata* (SANTOS ABREU, 1918): Mems R. Acad. Cienc. Artes Barcelona, 14(2): 315 (*Culicoides*, as var. of *hiemalis* SANTOS ABREU). Type-locality: Canary Is.
- intermedia* (SANTOS ABREU, 1918): Mems R. Acad. Cienc. Artes Barcelona, 14(2): 310 (*Culicoides*). Type-locality: Canary Is.

- longituba* KIEFFER, 1922: Archs Insts Pasteur Afr. N., 2(4): 511 (*Dasyhelea*). Type-locality: Algeria.
- major* (STROBL, 1905): Mems R. Soc. esp. Hist. nat., 3: 397 (*Ceratopogon*, as forma of *sericata* WINNERTZ). Type-locality: Algeciras (Spain).
- minima* ZILAHİ-SEBESS, 1936: Acta biol., Szeged, 4(1): 41 (*Dasyhelea*). Type-localities: Gyón, Szeged, Tihany (Hungary).
- minuscula* ZILAHİ-SEBESS, 1940: Folia ent. hung., 5: 51 (*Dasyhelea*, new name for *D. minima* ZILAHİ-SEBESS, 1936, a junior primary homonym of *Dasyhelea minima* KIEFFER, 1913 (India). A junior secondary homonym of *Dasyhelea minuscula* (SKUSE, 1889) (Australia).
- monilicornis* KIEFFER, 1923: Archs Inst. Pasteur Algér., 1(4): 671 (*Dasyhelea*). Type-locality: Oasis Ain-Ben-Noui nr Biskra (Algeria).
- parcepilosa* KIEFFER, 1923: Archs Inst. Pasteur Algér., 1(4): 670 (*Dasyhelea*). Type-locality: Biskra (Algeria).
- pulchripes* (SANTOS ABREU, 1918): Mems R. Acad. Cienc. Artes Barcelona, 14(2): 308 (*Culicoides*). Type-locality: Canary Is.
- saprophila* KIEFFER, 1925: Archs Inst. Pasteur Algér., 3(4): 410 (*Dasyhelea*). Type-locality: Uglei lake, Holstein [D].
- scutellaris* KIEFFER, 1918: Annls hist.-nat. Mus. natn. hung., 16: 93 (*Dasyhelea*). Type-locality: Karapunar (Turkey).
- szegedensis* ZILAHİ-SEBESS, 1940: Folia ent. hung., 5: 53 (*Dasyhelea*). Type-locality: Szeged (Hungary).
- tarsalis* KIEFFER, 1919: Annls hist.-nat. Mus. natn. hung., 17: 62 (*Dasyhelea*). Type-locality: Budapest (Hungary).
- tigalatensis* (SANTOS ABREU, 1918). Mems R. Acad. Cienc. Artes Barcelona, 14(2): 303 (*Culicoides*, as var. of *scutellatus* MEIGEN). Type-locality: Canary Is.
- trifasciata* KIEFFER, 1918: Annls hist.-nat. Mus. natn. hung., 16: 92 (*Dasyhelea*). Type-localities: Kyaldja-Su, Karapunar (Turkey).
- varicornis* (SANTOS ABREU, 1918): Mems R. Acad. Cienc. Artes Barcelona, 14(2): 288 (*Culicoides*). Type-locality: Canary Is.
- verticillata* KIEFFER, 1925: Faune de France, Ceratopogonidae: 11: 63 (*Dasyhelea*). Type-localities: France, Hungary.
- vittata* TOKUNAGA, 1940: Tenthredo, 3(2): 127 (*Dasyhelea*). Type-locality: Hatizyo, Kyoto, Honshu (Japan).
- vittulae* TOKUNAGA, 1940: Tenthredo, 3(2): 120 (*Dasyhelea*). Type-locality: Kyoto, Honshu (Japan).
- zavrelī* KIEFFER, 1918: Ent. Mitt., 7(11/12): 188 (*Dasyhelea*). Type-locality: Bohemia (Czechoslovakia).

## Subfamily Forcipomyiinae

### Atrichopogon KIEFFER, 1906

KIEFFER, 1906: Genera Insectorum, Fasc. 42: 53 (as subgenus of *Ceratopogon* MEIGEN, 1803).

Type-species: *Ceratopogon exilis* COQUILLET, 1902: Proc. U.S. natn. Mus., 25: 86 (des. COQUILLET, 1910: Proc. U.S. natn. Mus., 37: 512) [= *levis* (COQUILLET, 1901)].

*Gymnohelea* KIEFFER, 1921: Archs Insts Pasteur Afr. N., 1(1): 115. Type-species: *Kempia longiserra* KIEFFER, 1921: Bull. Soc. Hist. nat. Moselle, 29: 53 (des. WIRTH, 1973: Cat. Dipt. Oriental Reg., 1: 348).

*Psilokempia* ENDERLEIN, 1936: see below as subgenus.

*Melohelea* WIRTH, 1956: see below as subgenus.

*Psammopogon* REMM, 1979: see below as subgenus.

*Rostropogon* REMM, 1979: see below as subgenus.

## Subgenus MELOEHELEA WIRTH, 1956

WIRTH, 1956: Proc. ent. Soc. Wash., **58**(1): 16.

Type-species: *Atrichopogon meloesugans* KIEFFER, 1922: Archs Insts Pasteur Afr. N., **2**(4): 495 (orig. des.).

- atribarba** KIEFFER, 1922: Anns Soc. scient. Brux., **41**(2): 232 (*Atrichopogon*). Type-locality: Schleswig-Holstein [D].—Distr.: Europe: D.
- citrinipes** KIEFFER, 1922: Anns Soc. linn. Lyon, **68**: 154 (*Atrichopogon*). Type-locality: Taiwan.—Distr.: Asia: Japan (Honshu, Ryukyu); Taiwan.
- cretensis** KIEFFER, 1919: Anns hist.-nat. Mus. natn. hung., **17**: 28 (*Atrichopogon*, as var. of *orbicularis* KIEFFER). Type-locality: Canée (Crete Is.).—Distr.: Europe: GR.
- densipluma** KIEFFER, 1918: Anns hist.-nat. Mus. natn. hung., **16**: 41 (*Atrichopogon*). Type-locality: Les Sources, Djedeida (Tunisia).—Distr.: North Africa: Tunisia.
- femoralis** TOKUNAGA, 1940: Philipp. J. Sci., **72**: 264 (*Atrichopogon*). Type-locality: Kitasirakawa, Kyoto (Honshu).—Distr.: USSR: FE; Asia: Japan (Honshu).
- lucorum** (MEIGEN, 1818): Syst. Besch., **1**: 72 (*Ceratopogon*). Type-locality: not given (?Aachen) [D].—Distr.: Europe; USSR: forest zone; North America.
- sylvaticus* (WINNERTZ, 1852): Linn. ent., **6**: 29 (*Ceratopogon*). Type-locality: Crefeld [D].
- bidentatus* KIEFFER, 1924: Archs Inst. Pasteur Algér., **2**(3): 399 (*Atrichopogon*, as var. of *winnertzi* GOETGHEBUER). Type-locality: Bitche (France).
- meloesugans** KIEFFER, 1922: Archs Insts Pasteur Afr. N., **2**(4): 495 (*Atrichopogon*). Type-locality: Massif de Mouzaia (Algeria).—Distr.: Europe: CS, GB, H, I, SF, YU; USSR: CET (Est, Li, Rs), SET (Uk, Rs), TC (Arm), KZ, SMA (Ki), WS; North Africa: Algeria.
- oedemerarum** STORÅ, 1939: Notul. ent., **19**(1/2): 16 (*Atrichopogon*). Type-locality: N. Lojo, Kaikuma (Finland).—Distr.: Europe: USSR: forest zone; North America.
- orbicularis** KIEFFER, 1919: Anns hist.-nat. Mus. natn. hung., **17**: 28 (*Atrichopogon*). Type-locality: Felsőbánya (Roumania).—Distr.: Europe: CS, D, F, R; USSR: CET (Est, Rs), SET (Uk), TC (Ge), FE.
- pilosipennis** TOKUNAGA, 1940: Philipp. J. Sci., **72**: 276 (*Atrichopogon*). Type-locality: Kibune, Kyoto (Honshu).—Distr.: Asia: Japan.
- serrulatus** KIEFFER, 1924: Archs Inst. Pasteur Algér., **2**(3): 399 (*Atrichopogon*). Type-locality: Bitche (France).—Distr.: Europe: F.
- setosipennis** (KIEFFER, 1911): Bull. Soc. Hist. nat. Moselle, **27**: 3 (*Forcipomyia*). Type-locality: Germania.—Distr.: Europe: D.
- winnertzi** GOETGHEBUER, 1922: Bull. Soc. ent. Belg., **4**: 51 (*Atrichopogon*, as new name for *Ceratopogon lucorum*: WINNERTZ, **1852**: 30, misidentification). Type-locality: Crefeld [D].—Distr.: Europe: A, B, CS, D, F, GB, H.

## Subgenus ROSTROPOGON REMM, 1979

REMM, 1979: Dipterol. uurimius, Tartu: 57.

Type-species: *Ceratopogon rostratus* WINNERTZ, 1852: Linn. ent., 6: 31 (orig. des.).

**polydactylus** NIELSEN, 1951: K. danske Vidensk. Selsk. Biol., Skr., 6(6): 27 (*Atrichopogon*). Type-locality: Himmerland (Denmark).—Distr.: Europe: DK; North Africa; Canada.

**rostratus** (WINNERTZ, 1852): Linn. ent., 6: 31 (*Ceratopogon*). Type-locality: Germany.—Distr.: Europe; USSR: overall except tundra and desert zones; Asia: Mongolia, China, Japan; Canary Is.

*putredinis* KIEFFER, 1922: Annl. Soc. scient. Brux., 41(2): 233 (*Atrichopogon*). Type-locality: Schleswig-Holstein [D].

## Subgenus ATRICHOPOGON KIEFFER, 1906

**aethiops** (GOETGHEBUER, 1920): Mém. Mus. r. Hist. nat. Belg., 8(3): 33 (*Kempia*). Type-locality: Gand (Belgium).—Distr.: Europe: B, GB; USSR: CET (Est, La).

**akizukii** TOKUNAGA, 1940: Philipp. J. Sci., 72: 274 (*Atrichopogon*). Type-locality: Sikuka (Sakhalin).—Distr.: USSR: FE (Sakhalin).

**alveolatus** NIELSEN, 1951: K. danske Vidensk. Selsk. Biol., Skr., 6(6): 27 (*Atrichopogon*). Type-locality: Himmerland (Denmark).—Distr.: Europe: DK.

**atromaculatus** GOETGHEBUER, 1933: Bull. Annl. Soc. r. ent. Belg., 73: 111 (*Atrichopogon*). Type-locality: Jakovlevka, Primorye region (USSR).—Distr.: USSR: FE.

**bargaensis** REMM, 1972: Tartu Ülik. Metsaosak. Toim., 293: 70 (*Atrichopogon*). Type-locality: Arabatuk, Chita obl. (USSR).—Distr.: USSR: ES (Chita obl., Yakutsk).

**breviserra** (KIEFFER, 1924): Archs Inst. Pasteur Algér., 2(3): 400 (*Kempia*). Type-locality: Bitche (France).—Distr.: Europe: F.

**brunnipes** (MEIGEN, 1804): Klass. Beschr., 1: 29 (*Ceratopogon*). Type-locality: not given (?Aachen) [D].—Distr.: Europe: USSR: forest zone; Asia: Mongolia, Japan; Canary Is.

*longinervis* KIEFFER, 1919: Annl. hist.-nat. Mus. natn. hung., 17: 28 (*Atrichopogon*, as var. of *orbicularis* KIEFFER). Type-locality: Hungary.

*semiensis* REMM, 1972: Tartu Ülik. Metsaosak. Toim., 293: 68 (*Atrichopogon*). Type-locality: Tenga (Altay).

**clavifuscus** TOKUNAGA, 1940: Philipp. J. Sci., 72: 275 (*Atrichopogon*). Type-locality: Arasiyama, Kyoto (Japan).—Distr.: Asia: Japan (Honshu).

- dorsalis** TOKUNAGA, 1940: Philipp. J. Sci., **72**: 273 (*Atrichopogon*). Type-locality: Uzumasa, Kyoto (Japan).—Distr.: Asia: China (Harbin), Japan (Honshu, Kyushu, Ryukyu).
- dubius** NIELSEN, 1951: K. danske Vidensk. Selsk., Biol. Skr., **6**(6): 25 (*Atrichopogon*). Type-locality: Himmerland (Denmark).—Distr.: Europe: DK.
- ezoensis** TOKUNAGA, 1940: Philipp. J. Sci., **72**: 268 (*Atrichopogon*). Type-locality: Benguntan (Hokkaido).—Distr.: Asia: Japan.
- flaviscapus** REMM, 1971: Живая природа Дальнего Востока: 194 (*Atrichopogon*). Type-locality: Vladivostok.—Distr.: USSR: FE (South Primorye).
- flaviscutellum** TOKUNAGA, 1940: Philipp. J. Sci., **72**: 277 (*Atrichopogon*). Type-locality: Kitasirakawa, Kyoto.—Distr.: Asia: Japan (Honshu).
- flavitarisatus** (BECKER, 1903). Mitt. zool. Mus. Berlin, **2**(3): 74 (*Ceratopogon*). Type-locality: Luxor.—Distr.: North Africa: Egypt.
- fossicola** KIEFFER, 1922: Anns Soc. scient. Brux., **41**(2): 234 (*Atrichopogon*). Type-locality: Schleswig-Holstein [D].—Distr.: Europe: A, D, F, H; USSR: forest zone; Asia: China.
- fulvipes** REMM, 1972: Tartu Ülik. Metsaosak. Toim., **293**: 71 (*Atrichopogon*). Type-locality: Iolotan (Turkmen SSR).—Distr.: Europe: E; USSR: TC (Arm), KZ, SMA (Tj, Tu, Uz), WS; Asia: Afghanistan.
- fuscus** (MEIGEN, 1804): Klass. Beschr., **1**: 28 (*Ceratopogon*). Type-locality: not given (?Germany).—Distr.: Europe; North Africa: Egypt; Canary Is.
- haesitans** (KIEFFER, 1922): Anns Soc. scient. Brux., **41**(2): 235 (*Gymnohelea*). Type-locality: Schleswig-Holstein [D].—Distr.: Europe: D, NL.
- hexastichus** NIELSEN, 1951: K. danske Vidensk. Selsk., Biol. Skr., **6**(6): 27 (*Atrichopogon*). Type-locality: Himmerland (Denmark).—Distr.: Europe: DK.
- hirtidorsum** REMM, 1961: Ent. Obozr., **40**(4): 922 (*Atrichopogon*). Type-locality: Loosalu lake, Rapla district (Estonian SSR).—Distr.: Europe: A, D; USSR: NET (Komi ASSR), SET (Est, La, Rs).
- homoius** INGRAM et MACFIE, 1921: Ann. trop. Med. Parasit, **15**(4): 338 (*Atrichopogon*). Type-locality: Oblogo (Ghana).—Distr.: North Africa: Egypt; Ghana.
- alfierii* KIEFFER, 1924: Bull. Soc. ent. Égypte, **8**: 249 (*Atrichopogon*). Type-locality: Maadi (Egypt).
- infuscus** GOETGHEBUER, 1929: Bull. Anns Soc. r. ent. Belg., **68**: 232 (*Atrichopogon*). Type-localities: Gand et Destelbergen (Belgium).—Distr.: Europe: A, B, CS, H; USSR: overall except tundra zone; Asia: Mongolia.
- jejunus** MACFIE, 1934: Tijdschr. Ent., **77**: 211 (*Atrichopogon*). Type-locality: Fort de Kock (Sumatra).—Distr.: Asia: Japan (Honshu, Ryukyu); Sumatra.
- kyotoensis** TOKUNAGA, 1940: Philipp. J. Sci., **72**: 275 (*Atrichopogon*). Type-locality: Kitasirakawa, Kyoto (Japan).—Distr.: Asia: Japan.
- lazoensis** REMM, 1971: Живая природа Дальнего Востока: 197 (*Atrichopogon*). Type-locality: Lazo, Primorye region (USSR).—Distr.: USSR: ES, FE.



- longicalcar** REMM, 1961: Ent. Obozr., **40**(4): 925 (*Atrichopogon*). Type-locality: Rannaküla, Elva district (Estonian SSR).—Distr.: USSR: NET, CET (Est, Li, Rs), SET (Uk), WS, ES, FE.
- longiserra** (KIEFFER, 1921): Bull. Soc. Hist. nat. Moselle, **29**: 53 (*Kempia*). Type-locality: Silesia (Poland).—Distr.: Europe: PL.
- maculatus** (LUNDSTRÖM, (1910): Acta Soc. Fauna Flora fenn., **33**(10): 35 (*Ceratopogon*, as var. of *minutus* MEIGEN). Type-locality: Kuustö (Finland).—Distr.: Europe: SF.
- majusculus** REMM, 1961: Ent. Obozr., **40**(4): 920 (*Atrichopogon*). Type-locality: Ermistu lake (Estonian SSR).—Distr.: USSR: NET, CET, TC (Arm), WS, ES, FE; Asia: Mongolia.
- minutus** (MEIGEN, 1830): Syst. Besch., **6**: 236 (*Ceratopogon*). Type-locality: not given.—Distr.: North and Central Europe; BG; USSR: NET, CET, SET, TC, KZ, SMA (Ki, Tj), WS, ES, FE; Asia: Israel; Canary Is.; Azores; North America.
- fortiserra* KIEFFER, 1924: Archs Inst. Pasteur Algér., **2**(3): 398 (*Atrichopogon*). Type-locality: Bitche (France).
- turficola* KIEFFER, 1925: Beitr. Kunde Estlands, **10**(4/5): 149 (*Atrichopogon*). Type-locality: Jööpre Moor, Pärnu district (Estonian SSR).
- parviforceps* TOKUNAGA, 1940: Philipp. J. Sci., **72**: 267 (*Atrichopogon*). Type-locality: Toyohara (Sakhalin).
- miripalpis** KIEFFER, 1924: Archs Inst. Pasteur Algér., **2**(3): 397 (*Atrichopogon*). Type-locality: Bitche (France).
- natans** KIEFFER, 1922: Archs Insts Pasteur Afr. N., **2**(4): 496 (*Atrichopogon*). Type-locality: Algeria.—Distr.: North Africa: Algeria.
- nigrofuscus** REMM, 1980: Tartu Ülik. Metsaosak. Toim., **516**: 115 (*Atrichopogon*). Type-locality: Arkit (Kirghiz SSR).—Distr.: USSR: SMA (Ki), WS, ES.
- parroti** CLASTRIER, 1956: Archs Inst. Pasteur Algér., **34**(4): 540 (*Atrichopogon*). Type-locality: Plaine de la Mitidja (Algeria).—Distr.: North Africa: Algeria.
- pavidus** (WINNERTZ, 1852): Linn. ent., **6**: 33 (*Ceratopogon*). Type-locality: Crefeld [D].—Distr.: North and Central Europe; USSR: NET, CET (Est, Li, Rs), TC (Ge), SMA (Ki), ES.
- phusunensis** REMM, 1971: Живая природа Дальнего Востока: 192 (*Atrichopogon*). Type-locality: Phusun, Primorye region (USSR).—Distr.: USSR: FE.
- pollinivorus** DOWNES, 1955: Trans. R. ent. Soc. Lond., **106**(12): 442 (*Atrichopogon*). Type-locality: Rossdhu, Dunbartonshire (Great Britain).—Distr.: Europe: GB.
- psilopterus** KIEFFER, 1919: Annlis hist.-nat. Mus. natn. hung., **17**: 26 (*Atrichopogon*). Type-locality: Budapest (Hungary).—Distr.: Europe: BG, GB, H, NL, YU.
- sebessi** REMM, 1981: ENSV TA Toimet., biol., **30**(1): 32 (*Atrichopogon*, new name for *Atrichopogon biroi* ZILAHÍ-SEBESS, 1941, a junior primary homonym of *A. biroi* KIEFFER, 1917) (New Guinea).—Distr.: North Africa: Tunisia.

- biroi* ZILAHÍ-SEBESS, 1941: Folia ent. hung., 6(3/4): 83 (*Atrichopogon*). Type-locality: Gafsa (Tunisia).
- seminitidus* GOETGHEBUER, 1947: Bull. Annl. Soc. r. ent. Belg., 83: 228 (*Atrichopogon*). Type-locality: Melle (Belgium).—Distr.: Europe: B.
- sichotensis* REMM, 1971: Живая природа Дальнего Востока: 195 (*Atrichopogon*). Type-locality: Tshuguevsk district, Primorye region (USSR).—Distr.: USSR: ES, FE.
- singularis* (KIEFFER, 1921): Bull. Soc. Hist. nat. Moselle, 29: 52 (*Kempia*). Type-locality: Silesia (Poland).—Distr.: Europe: PL.
- speculiger* NIELSEN, 1951: K. danske Vidensk. Selsk., Biol. Skr., 6(6): 25 (*Atrichopogon*). Type-locality: Himmerland (Denmark).—Distr.: Europe: DK.
- sphagnalis* KIEFFER, 1925: Arch. Inst. Pasteur Algér., 3(4): 408 (*Atrichopogon*). Type-locality: Jööpre Moor, Pärnu district (Estonian SSR).—Distr.: USSR: CET (Est).
- tatricus* REMM, 1981: ENSV TA Toim., biol., 30(1): 32 (*Atrichopogon*, as "*Atripochopon*"). New name for *Atrichopogon montivagus* KIEFFER, 1919, in *Atrichopogon* a junior secondary homonym of *Forcipomyia montivaga* KIEFFER, 1911.—Distr.: Europe: CS, H.
- montivagus* KIEFFER, 1919: Annl. hist.-nat. Mus. natn. hung., 17: 25 (*Atrichopogon*). Type-locality: Tatra (Czechoslovakia).
- thienemanni* KIEFFER, 1921: Bull. Soc. Hist. nat. Moselle, 29: 54 (*Atrichopogon*). Type-locality: Germany.—Distr.: Europe: CS, D, DDR, H, R; Asia: ?China.
- nitens* KIEFFER, 1921: Bull. Soc. Hist. nat. Moselle, 29: 54 (*Atrichopogon*, as var. of *thienemanni*). Type-locality: Schleswig-Holstein [D].
- torgnyensis* GOETGHEBUER, 1949: Bull. Inst. r. Sci. nat. Belg., 25(14): 2 (*Atrichopogon*). Type-locality: Torgny-les-Virton (Belgium).—Distr.: Europe: B.
- transversalis* KIEFFER, 1918: Annl. hist.-nat. Mus. natn. hung., 16: 91 (*Atrichopogon*). Type-localities: Bashara (Turkey), Hungary.—Distr.: Europe: BG, CS, DDR, GR, H, I, PL, R; Asia: Turkey.
- coracellus* KIEFFER, 1919: Annl. hist.-nat. Mus. natn. hung., 17: 30 (*Atrichopogon*, as var. of *ventralis* KIEFFER). Type-localities: Hungary, Poland, Korfu Is.
- homopterus* KIEFFER, 1919: Annl. hist.-nat. Mus. natn. hung., 17: 29 (*Atrichopogon*, as var. of *transversalis*). Type-localities: Hungary, Turkey.
- tritonus* KIEFFER, 1919: Annl. hist.-nat. Mus. natn. hung., 17: 24 (*Atrichopogon*). Type-locality: Rákos-Csaba (Hungary).—Distr.: Europe: BG, H.
- unilineatus* REMM, 1967: Tartu Ülik. Metsaosak. Toim., 194: 10 (*Atrichopogon*). Type-locality: Kuheti (Azerbaijan SSR).—Distr.: USSR: TC, KZ, SMA (Ki, Tj, Tu).
- ventralis* KIEFFER, 1918: Annl. hist.-nat. Mus. natn. hung., 16: 91 (*Atrichopogon*). Type-locality: Dauda (Turkey).—Distr.: Europe: R; Asia: Turkey.

- nigriventris* KIEFFER, 1919: Annl's hist.-nat. Mus. natn. hung., 17: 30 (*Atrichopogon*, as var. of *ventralis*). Type-locality: Akna-Szlatina (Roumania).
- yoshimurai* TOKUNAGA, 1940: Philipp. J. Sci., 72: 272 (*Atrichopogon*). Type-locality: Kitasirakawa, Kyoto (Japan).—Distr.: Asia: Japan (Honshu).

## Subgenus PSAMMOPOGON REMM, 1979

- REMM, 1979: Dipterol. uurimusi, Tartu: 57.  
Type-species: *Atrichopogon trifasciatus* KIEFFER, 1918: Annl's hist.-nat. Mus. natn. hung., 16: 90 (orig. des.).
- alainus* REMM, 1980: Tartu Ülik. Metsaosak. Toim., 516: 110 (*Atrichopogon*). Type-locality: Maidan (Kirgiz SSR).—Distr.: USSR: SMA (Ki).
- albidipes* (SANTOS ABREU, 1918): Mems R. Acad. Cienc. Artes Barcelona, 14(2): 259 (*Helea*, as var. of *nemestrinus* SANTOS ABREU). Type-locality: Canary Is.—Distr.: Canary Is.
- albiscapula* KIEFFER, 1918: Annl's hist.-nat. Mus. natn. hung., 16: 42 (*Atrichopogon*). Type-localities: Algeria and Tunisia.—Distr.: Europe: CS, E, H; USSR: SET (Crimea, Rs), TC (Arm, Ge); North Africa.
- atriscapula* KIEFFER, 1918: Annl's hist.-nat. Mus. natn. hung., 16: 45 (*Atrichopogon*). Type-locality: Tunis.—Distr.: North Africa: Tunisia.
- bai* REMM, 1980: Tartu Ülik. Metsaosak. Toim., 516: 114 (*Atrichopogon*). Type-locality: Tshuli (Turkmen SSR).—Distr.: USSR: SMA (Tu).
- bilineatus* KIEFFER, 1922: Arch's Insts Pasteur Afr. N., 2(4): 498 (*Atrichopogon*). Type-locality: Algeria.—Distr.: North Africa: Algeria.
- bullae* REMM, 1980: Tartu Ülik. Metsaosak. Toim., 516: 114 (*Atrichopogon*). Type-locality: Serahs (Turkmen SSR).—Distr.: USSR: SMA (Tu).
- callipotami* MACFIE, 1924: Bull. ent. Res., 15(1): 65 (*Atrichopogon*). Type-locality: Nile at Cairo (Egypt).—Distr.: North Africa: Egypt.
- cornutus* NIELSEN, 1954: K. danske Vidensk. Selsk., Biol. Skr., 6(6): 26 (*Atrichopogon*). Type-locality: Himmerland (Denmark).—Distr.: Europe: DK.
- distinctus* (SANTOS ABREU, 1918): Mems R. Acad. Cienc. Artes Barcelona, 14(2): 260 (*Helea*, as var. of *nemestrinus* SANTOS ABREU). Type-locality: Canary Is.—Distr.: Canary Is.
- edentatus* REMM, 1972: Tartu Ülik. Metsaosak. Toim., 293: 67 (*Atrichopogon*). Type-locality: Katu-Yaryn, Chulyshman Valley (Altay).—Distr.: USSR: KZ, SMA (Ki, Tj), WS (Altay).
- flavens* TOKUNAGA, 1940: Philipp. J. Sci., 72: 266 (*Atrichopogon*). Type-locality: Arosiyma, Kyoto.—Distr.: Asia: Japan.
- flaveolus* ZILAHY-SEBESS, 1936: Arb. ung. biol. ForschInst., 8: 204 (*Atrichopogon*). Type-locality: Balaton (Hungary).—Distr.: Europe: CH, H.

- flavicans** (SANTOS ABREU, 1918): Memos R. Acad. Cienc. Artes Barcelona, **14**(2): 259 (*Helea*, as var. of *nemestrinus* SANTOS ABREU). Type-locality: Canary Is.—Distr.: Canary Is.
- flavihalteratus** (SANTOS ABREU, 1918): Memos R. Acad. Cienc. Artes Barcelona, **14**(2): 259 (*Helea*, as var. of *nemestrinus* SANTOS ABREU). Type-locality: Canary Is.—Distr.: Canary Is.
- flavolineatus** (STROBL, 1880): Progr. k. k. Ober-Gymn. Benedictiner Seitenstetten, **1880**: 52 (*Ceratopogon*). Type-locality: "Rijeka (Fiume)".—Distr.: Europe: A, H, R, YU.
- fulviventris** (SANTOS ABREU, 1918): Memos R. Acad. Cienc. Artes Barcelona, **14**(2): 260 (*Helea*, as var. of *nemestrinus* SANTOS ABREU). Type-locality: Canary Is.—Distr.: Canary Is.
- hispaniae** HAVELKA, 1979: Eos, **53**: 58 (*Atrichopogon*). Type-locality: Rio Guadalete (Spain).—Distr.: Europe: E.
- latipygus** VAILLANT, 1957: Bull. Trav. St. aquic. Pêche Castiglione, **9**: 270 (*Atrichopogon*). Type-locality: Mazafran (Algeria).—Distr.: North Africa: Algeria.
- luteicollis** (BECKER, 1902): Mitt. zool. Mus. Berlin, **2**(3): 74 (*Ceratopogon*). Type-locality: Assuan (Egypt).—Distr.: Europe: E; North Africa: Algeria, Egypt; Sudan; South Africa.  
*aegyptius* KIEFFER, 1924: Bull. Soc. ent. Égypte, **8**: 250 (*Atrichopogon*). Type-locality: Maadi (Egypt).
- marginipilus** TOKUNAGA, 1940: Philipp. J. Sci., **72**: 267 (*Atrichopogon*). Type-locality: Kibune, Kyoto (Japan).—Distr.: Asia: Japan.
- megalotheca** REMM, 1971: Живая природа Дальнего Востока: 197 (*Atrichopogon*). Type-locality: "Kedrovaya Pad", nat. res. Primorye region (USSR).—Distr.: USSR: FE.
- montium** STORÅ, 1936: Commentat. biol., **6**(1): 34 (*Atrichopogon*). Type-locality: Los Lagunetas (Canary Is.).—Distr.: Canary Is.
- mulleri** (KIEFFER, 1906): Anns Soc. scient. Brux., **30**: 336 (*Ceratopogon*). Type-locality: Thuringia [DDR].—Distr.: Europe: DDR.
- nemestrinus** (SANTOS ABREU, 1918): Memos R. Acad. Cienc. Artes Barcelona, **14**(2): 257 (*Helea*). Type-locality: La Palma (Canary Is.).—Distr.: Canary Is.  
*flavoscutellatus* (BECKER, 1908): Mitt. zool. Mus. Berlin, **4**(1): 74 (*Ceratopogon*). Type-locality: St. Cruz., Teneriffe (Canary Is.). A junior primary homonym of *Ceratopogon flavoscutellatus* ZETTERSTEDT, 1850.
- petrosus** REMM, 1980: Tartu Ülik. Metsaosak. Toim., **516**: 111 (*Atrichopogon*). Type-locality: Arkit (Kirghiz SSR).—Distr.: USSR: SMA (Ki).
- trifasciatus** KIEFFER, 1918: Anns hist.-nat. Mus. natn. hung., **16**: 90 (*Atrichopogon*). Type-localities: Turkey, Korfu, Hungary.—Distr.: Europe: A, B, BG, CS, F, GB, GR, H; USSR: CET (Est), SET (Rs), TC (Ge); Asia: Turkey; North Africa: Algeria.

Subgenus *PSILOKEMPIA* ENDERLEIN, 1936

ENDERLEIN, 1936: Tierwelt Mitteleur., 6(2) Diptera: 49.

Type-species: *Kempia appendiculata* GOETGHEBUER, 1920: Mém. Mus. r. Hist. nat. Belg., 8(3): 37 (mon.).

**adjacens** (KIEFFER, 1924): Archs Inst. Pasteur Algér., 2(3): 401 (*Kempia*, as var. of *appendiculata* GOETGHEBUER). Type-locality: Bitche (France).—Distr.: Europe: F.

**appendiculatus** (GOETGHEBUER, 1920): Mém. Mus. r. Hist. nat. Belg., 8(3): 37 (*Kempia*). Type-locality: Gand (Belgium).—Distr.: Central Europe; USSR: NET, CET, SET (Rs), TC (Ge, Arm), SMA (Ki), WS, ES, FE (Sakhalin).

**armativentris** (KIEFFER, 1923): Archs Inst. Pasteur Algér., 1(4): 672 (*Kempia*). Type-locality: Biskra (Algeria).—Distr.: North Africa: Algeria.

**avastensis** REMM, 1959: Ent. Obzr., 38(3): 688 (*Atrichopogon*). Type-locality: Lavassaare, Pärnu district (Estonian SSR).—Distr.: Europe: CS; USSR: CET (Est, Li, Rs), SET (Uk), WS, ES, FE.

*hamulatus* REMM, 1971: Живая природа Дальнего Востока: 197 (*Atrichopogon*). Type-locality: Lefu river, Tshernigov district, Primorye region.

**forcipatus** (WINNERTZ, 1852): Linn. ent., 6: 30 (*Ceratopogon*). Type-locality: Crefeld [D].—Distr.: North and Central Europe; USSR: NET, CET, KZ, ES.

*hamifer* (GOETGHEBUER, 1920): Mém. Mus. r. Hist. nat. Belg., 8(3): 38 (*Kempia*). Type-locality: Watermael (Belgium).

**japonicus** TOKUNAGA, 1940: Philipp. J. Sci., 72: 272 (*Atrichopogon*). Type-locality: Kitasirakawa, Kyoto (Japan).—Distr.: Asia: Japan.

**nudus** ZILAHÍ-SEBESS, 1940: Folia ent. hung., 5: 38 (*Atrichopogon*). Type-locality: Csepel (Hungary).—Distr.: Europe: H.

**palmaris** TOKUNAGA, 1962: Pacif. Insects, 4(1): 160 (*Atrichopogon*). Type-locality: Naha (Okinawa).—Distr.: Asia: Japan (Honshu, Ryukyu).

**parvulus** KIEFFER, 1919: Anns hist.-nat. Mus. natn. hung., 17: 25 (*Atrichopogon*). Type-locality: Kőrösmező (USSR: Carpathians).—Distr.: USSR: SET.

**paulus** REMM, 1961: Ent. Obozr., 38(3): 686 (*Atrichopogon*, new name for *A. nanus* REMM, 1959, a junior primary homonym of *Atrichopogon nanus* MACFIE, 1940: Guyana).—Distr.: USSR: CET (Est, Rs).

*nanus* REMM, 1959: Ent. Obozr., 38(3): 606 (*Atrichopogon*). Type-locality: Tuhu Moor, Lihula district (Estonian SSR).

**silesiacus** KIEFFER, 1919: Anns hist.-nat. Mus. natn. hung., 17: 30 (*Atrichopogon*). Type-locality: "Silésie allemande".—Distr.: Europe: PL.

Doubtful species of *Atrichopogon*

- glabricollis* (MEIGEN, 1838): Syst. Besch., 7: 18 (*Ceratopogon*). Type-locality: Baiern [D].  
*isis* KIEFFER, 1924: Bull. Soc. ent. Égypte, 8: 252 (*Atrichopogon*). Type-locality: Maadi (Egypt).  
*maritimus* TOKUNAGA, 1940: Philipp. J. Sci., 72: 270 (*Atrichopogon*). Type-locality: Mie-ken, Azako (Japan).  
*melancholicus* (MEIGEN, 1838): Syst. Besch., 7: 18 (*Ceratopogon*). Type-locality: not given.  
*nitens* (SANTOS ABREU, 1918): Mems R. Acad. Cienc. Artes Barcelona, 14(2): 260 (*Helea*). Type-locality: Canary Is.  
*osiris* KIEFFER, 1924: Bull. Soc. ent. Égypte, 8: 250 (*Atrichopogon*). Type-locality: Maadi (Egypt).  
*spiniventris* TOKUNAGA, 1940: Philipp. J. Sci., 72: 273 (*Atrichopogon*). Type-locality: Kibune, Kyoto (Japan).  
*vicinus* (SANTOS ABREU, 1918): Mems R. Acad. Cienc. Artes Barcelona, 14(2): 262 (*Helea*). Type-locality: Canary Is.

## Forcipomyia MEIGEN, 1818

MEIGEN, 1818: Syst. Besch., 1: 73

Type-species: *Ceratopogon ambiguus* MEIGEN, 1804: Klass. Besch., 1: 32 (des. COQUILLET, 1910: Proc. U.S. natn. Mus., 37: 545).

*Labidomyia* STEPHENS, 1829: Syst. Cat. Brit., Ins., 2: 239. Type-species: *Tipula bipunctata* LINNÉ, 1767: Syst. Nat. Ed. 12, 1: 978 (des. WESTWOOD, 1840: Synopsis: 126).

*Euforcipomyia* MALLOCH, 1915: Bull. Ill. St. Lab. nat. Hist., 11: 312. Type-species: *Euforcipomyia hirtipennis* MALLOCH, 1915: l.c.: 313 (orig. des.).

*Apelma* KIEFFER, 1919: Annl. hist.-nat. Mus. natn. hung., 17: 64. Type-species: *Apelma auronitens* KIEFFER, 1919: l.c.: 65 (des. MACFIE, 1940: Ann. trop. Med. Parasit., 34: 16). A junior homonym of *Apelma* BILLBERG, 1820 (Coleoptera).

*Proforcipomyia* SAUNDERS, 1956: Can. J. Zool., 34: 662. Type-species: *Forcipomyia wirthi* SAUNDERS, 1956: l.c.: 663 (orig. des.); not Palaearctic.

*Neoforcipomyia* TOKUNAGA in TOKUNAGA and MURACHI, 1959: Insects of Micronesia, 12: 200. Type-species: *Ceratopogon pectinunguis* DE MEIJERE, 1923: Tijdschr. Ent., 66: 138 (orig. des.); not Palaearctic.

*Euprojoannisia* BRÉTHES, 1914: see below as subgenus.

*Microhelea* KIEFFER, 1917: see below as subgenus.

*Lepidohelea* KIEFFER, 1917: see below as subgenus.

*Trichohelea* GOETGHEBUER, 1920: see below as subgenus.

*Lasiohelea* KIEFFER, 1921: see below as subgenus.

*Thyridomyia* SAUNDERS, 1925: see below as subgenus.

*Pterobosca* MACFIE, 1932: see below as subgenus.

*Synthyridomyia* SAUNDERS, 1956: see below as subgenus.

*Caloforcipomyia* SAUNDERS, 1956: see below as subgenus.

*Phytohelea* REMM, 1971: see below as subgenus.

*Panhelea* REMM, 1980: see below as subgenus.



## Subgenus PTEROBOSCA MACFIE, 1932

MACFIE, 1932: Tijdschr. Ent., **75**(3-4): 266.

Type-species: *Ceratopogon aeshnosuga* DE MEIJERE, 1923 (des. MACFIE, 1940: Ann. trop. Med. Parasit., **34**: 16); not Palaearctic.

**adhesipes** (MACFIE, 1932): Tijdschr. Ent., **75**(3-4): 270 (*Pterobosca*). Type-locality: New Guinea.—Distr.: Asia: Japan (Ryukyu, Takegashima); Oriental Region; New Guinea; Micronesia.

**paludis** (MACFIE, 1936): Proc. R. ent. Soc. Lond. (B), **5**(3): 63 (*Pterobosca*). Type-locality: Wicken Fen (England).—Distr.: Europe: F, GB, R; USSR: TC (Ge); Uganda.

**tokunagai** (OKA et ASAHINA, 1948): Mushi, **18**: 107 (*Pterobosca*). Type-locality: Honshu.—Distr.: Japan (Honshu, Ryukyu).

## Subgenus PHYTOHELEA REMM, 1971

REMM, 1971: Живая природа Дальнего Востока: 189.

Type-species: *Ceratopogon bromelicola* LUTZ, 1914: Mem. Inst. Oswaldo Cruz, **6**(2): 84 (orig. des.); not Palaearctic.

**crinume** (TOKUNAGA, 1932): Trans. Kansai ent. Soc., **3**(3): 1 (*Dasyhelea*). Type-locality: Setto, Wakayama Pref. (Japan).—Distr.: Asia: Japan.

## Subgenus TRICHOHELEA GOETGHEBUER, 1920

GOETGHEBUER, 1920: Mém. Mus. r. Hist. nat. Belg., **8**(3): 18.

Type-species: *Trichohalea tonnoiri* GOETGHEBUER, 1920: 39 (mon.).

**cattleyarum** HARANT et GALAN, 1924: Bull. Soc. ent. Fr., **1924**: 56 (*Forcipomyia*). Type-locality: Montpellier (France).—Distr.: Europe: F.

**chaetoptera** REMM, 1962: Loodusuur. Seltsi Aastar., **54**: 188 (*Forcipomyia*). Type-locality: Parika lake (Estonian SSR).—Distr.: USSR: CET (Est, Li), SET (Carpathians), ES, FE.

**eques** (JOHANNSEN, 1908): Bull. N.Y. St. Mus., **124**: 266 (*Ceratopogon*). Type-locality: Old Forge (New York).—Distr.: Europe: A, B, CS, D, GB, N, SF; USSR: CET (Est, La), FE; Asia: China, Japan; North America.

*chrysopae* MAYER, 1934: Arb. morph. taxon. Ent. Berl., **1**(4): 259 (*Forcipomyia*). Type-locality: Friedrichsroda, Thüringen [DDR].

*chrysopivora* (TOKUNAGA, 1939): Vol. Jub. Sadao Yoshida, **2**: 371 (*Lasiohelea*). Type-locality: Hokkaido (Japan).

**okadai** (TOKUNAGA, 1939): Vol. Jub. Sadao Yoshida, **2**: 370 (*Lasiohelea*). Type-locality: Onuma (Sakhalin).—Distr.: USSR: FE (Sakhalin).

- subauronitens** TOKUNAGA, 1940: *Tenthredo*, 3(1): 96 (*Forcipomyia*). Type-locality: Tokyo, Honshu.—Distr.: Asia: Japan.
- tonnoiri** (GOETGHEBUER, 1920): *Mém. Mus. r. Hist. nat. Belg.*, 8(3): 39 (*Trichohelea*). Type-locality: Genval (Belgium).—Distr.: Europe: B, CS, D, GB, H; USSR: CET (Est, Li, Rs), SET (Carpathians), TC (Ge), KZ, FE; North America.
- auronitens** (KIEFFER, 1919): *Annl. hist.-nat. Mus. natn. hung.*, 17: 65 (*Apelma*). Type-locality: Árvaváralja (Czechoslovakia). In *Forcipomyia* a junior secondary homonym of *Ceratopogon auronitens* KIEFFER, 1910.
- papilionivora** EDWARDS, 1923: *Ann. trop. Med. Parasit.*, 17: 23 (*Forcipomyia*). Type-locality: New Wales (Great Britain).
- umbellicola** REMM, 1971: *Живая природа Дальнего Востока*: 189 (*Forcipomyia*). Type-locality: "Kedrovaya Pad", nat. res. Primorye region (USSR).
- tsutsumii** TOKUNAGA, 1960: *Akitu*, 9: 76 (*Forcipomyia*). Type-locality: Tokyo (Japan).—Distr.: Asia: Japan.

#### Subgenus LASIOHELEA KIEFFER, 1921

- KIEFFER, 1921: *Archs Insts Pasteur Afr. N.*, 1(1): 115.  
Type-species: *Atrichopogon pilosipennis* KIEFFER, 1919: *Annl. hist.-nat. Mus. natn. hung.*, 17: 23 (orig. des.) [= *velox* WINNERTZ, 1852].
- longicornis** (TOKUNAGA, 1940): *Tenthredo*, 3(2): 103 (*Lasiohelea*). Type-locality: Kyoto (Japan).—Distr.: Asia: Japan (Honshu, Ryukyu).
- nipponica** (TOKUNAGA, 1940): *Tenthredo*, 3(2): 102 (*Lasiohelea*). Type-locality: Tokyo (Japan).—Distr.: USSR: FE; Asia: Japan.
- nudocola** (TOKUNAGA, 1973): *Tenthredo*, 1(3): 269 (*Lasiohelea*). Type-locality: Kitasirakawa, Kyoto (Japan).—Distr.: Asia: NO China, Japan (Honshu).
- sibirica** (BUYANOVA, 1962): *Medskaya Parazit.*, 31(1): 43 (*Lasiohelea*). Type-locality: Krasnoyarsk (USSR).—Distr.: Europe: A; USSR: CET (Rs), SET (Uk), KZ, ES, FE.
- ussurica** REMM, 1971: *Живая природа Дальнего Востока*: 190 (*Forcipomyia*). Type-locality: Ussuri nat. res., Primorye region (USSR).—Distr.: USSR: FE.
- velox** (WINNERTZ, 1852): *Linn. ent.* 6: 28 (*Ceratopogon*). Type-locality: Crefeld [D].—Distr.: Central and South Europe; USSR: NET, CET, SET, TC (Az, Ge), SMA (Tj), WS; North Africa: Algeria.
- nitens** (KIEFFER, 1919): *Annl. hist.-nat. Mus. natn. hung.*, 17: 20 (*Ceratopogon*). Type-locality: Keszthely (Hungary).
- pilosipennis** (KIEFFER, 1919): *Annl. hist.-nat. Mus. natn. hung.*, 17: 23 (*Atrichopogon*). Type-locality: Budapest (Hungary).

- decrescens* KIEFFER, 1924: Archs Inst. Pasteur Algér., 2(3): 391 (*Forcipomyia*).  
Type-locality: Bitche (France).  
*silesiae* (KIEFFER, 1925): Faune de France, 11: 49 (*Lasiohelea*, an unnecessary  
new name for *Atrichopogon pilosipennis* KIEFFER, 1919, males).  
*montschadskyi* (DZHAFAROV, 1962): Ent. Sb. Inst. Zool. azerb. SSR, 1: 196  
(*Lasiohelea*). Type-locality: Dzhar'y, Zakatal district (Azerbaijan SSR).

### Subgenus SYNTHYRIDOMYIA SAUNDERS, 1956

SAUNDERS, 1956: Can. J. Zool., 74: 688.

Type-species: *Lasiohelea acidicola* TOKUNAGA, 1937: Tenthredo, 1(4): 455  
(orig. des.).

- acidicola** (TOKUNAGA, 1937): Tenthredo, 1(4): 455 (*Lasiohelea*). Type-locality:  
Katanuma (Honshu).—Distr.: Europe: A, D; USSR: taiga zone; Asia:  
Japan; North America.  
**kii** (TOKUNAGA, 1940): Tenthredo, 3(2): 107 (*Lasiohelea*). Type-locality: Seto,  
Wakayama-ken, Honshu (Japan).—Distr.: Asia: Japan.  
**knockensis** GOETGHEBUER, 1938: Bull. Anns Soc. r. ent. Belg., 78: 375 (*For-*  
*cipomyia*). Type-locality: Knocke-sur-Mer (Belgium).—Distr.: Europe:  
B, E, PL; USSR: CET (Est, Rs), SET (Uk, Rs), TC (Az, Ge), KZ,  
SMA (Tu), ES.  
**bequaerti** GOETGHEBUER, 1942: Bull. Mus. r. Hist. nat. Belg., 18(46): 1  
(*Forcipomyia*). Type-locality: Knocke (Belgium).  
**abludens** REMM in REMM and ZHOGOLEV, 1968: Ent. Obozr., 47(4): 830  
(*Forcipomyia*). Type-locality: Gursuf (Crimea).  
**murina** (WINNERTZ, 1852): Linn. ent., 6: 26 (*Ceratopogon*). Type-locality: Crefeld  
[D].—Distr.: Central and South Europe; USSR: SET (Uk), TC (Az, Ge),  
KZ, SMA (Tj, Tu, Uz); Asia: Israel; North Africa: Algeria, Egypt;  
Canary Is.  
**aurosparsum** (KIEFFER, 1919): Anns hist.-nat. Mus. natn. hung., 17: 65  
(*Apelma*). Type-locality: Budapest (Hungary).  
**sulfurea** KIEFFER, 1923: Archs Inst. Pasteur Algér., 1(4): 664 (*Forcipomyia*).  
Type-locality: Biskra (Algeria).  
**hirtipalpis** KIEFFER, 1924: Archs Inst. Pasteur Algér., 2(3): 392 (*Forcipomyia*).  
Type-locality: Bitche (France).  
**sate** KIEFFER, 1924: Bull. Soc. ent. Égypte, 8: 245 (*Forcipomyia*). Type-locality:  
Suess (Egypt).  
**moascari** MACFIE, 1943: Proc. R. ent. Soc. Lond. (B), 12: 147 (*Forcipomyia*).  
Type-locality: Moascar (Egypt).  
**submurina** REMM, 1980: Tartu Ülik. Metsaosak. Toim., 516: 115 (*Forcipomyia*, as  
subsp. of *murina* WINNERTZ). Type-locality: Lensk., Yakutia (USSR).—  
Distr.: USSR: SMA (Ki), WS, ES.

## Subgenus THYRIDOMYIA SAUNDERS, 1925

SAUNDERS, 1925: *Parasitology*, **17**(3): 268.

Type-species: *Thyridomyia palustris* SAUNDERS, 1925: l.c.: 269 (orig. des.)  
[= *monilicornis* (COQUILLET, 1905)].

**biskraensis** KIEFFER, 1923: *Archs Inst. Pasteur Algér.*, **1**(4): 665 (*Forcipomyia*, as var. of *seneveti* KIEFFER). Type-locality: Biskra (Algeria).—Distr.: Europe: E, F; USSR: CET (Est), TC (Arm, Ge), SMA (Ki, Tj); North Africa: Algeria.

*sergenti* CLASTRIER, 1956: *Archs Inst. Pasteur Algér.*, **34**(4): 502 (*Forcipomyia*). Type-locality: Tigrimount, Palestro (Algeria).

*imeretica* REMM, 1967: *Tartu Ülik. Metsaosak. Toim.*, **194**: 5 (*Forcipomyia*). Type-locality: Haragouli (Georgian SSR).

**curticornis** GOETGHEBUER, 1933: *Bull. Annl. Soc. r. ent. Belg.*, **73**: 354 (*Forcipomyia*). Type-locality: Chiny (Belgium).—Distr.: Europe: B.

**frutetorum** (WINNERTZ, 1852): *Linn. ent.*, **6**: 29 (*Ceratopogon*). Type-locality: Crefeld [D].—Distr.: Central and South Europe: USSR: CET(Rs), SET, TC (Az, Ge), KZ, SMA (Ki, Tj), WS, ES, FE; Canary Is.; Africa; North America.

*seneveti* KIEFFER, 1922: *Archs Insts Pasteur Afr. N.*, **2**(4): 500 (*Forcipomyia*). Type-locality: Algeria.

**japonica** (TOKUNAGA, 1937): *Tenthredo*, **1**(3): 267 (*Lasiohelea*). Type-locality: Kyoto.—Distr.: Asia: Japan; Taiwan.

**litoraurea** (INGRAM et MACFIE, 1924): *Ann. trop. Med. Parasit.*, **18**(3): 389 (*Lasiohelea*). Type-locality: Accra (Ghana).—Distr.: USSR: CET (Est, Li), SET (Mo, Uk), TC, KZ, SMA, WS, ES, FE; North Africa: Algeria; Afrotropical Region.

*minutissima* REMM, 1961: *Loodusuur. Seltsi Aastar.*, **53**: 192 (*Forcipomyia*). Type-locality: Elva district (Estonian SSR).

**microcera** (KIEFFER, 1919): *Annl. hist.-nat. Mus. natn. hung.*, **17**: 54 (*Dasyhelea*). Type-locality: Tátraháza (Czechoslovakia).—Distr.: Europe: CS, H.

**minima** (TOKUNAGA, 1940): *Tenthredo*, **3**(2): 104 (*Lasiohelea*). Type-locality: Kitasirakawa, Kyoto (Japan).—Distr.: Asia: Japan.

**monilicornis** (COQUILLET, 1905): *Jl. N.Y. ent. Soc.*, **13**: 63 (*Ceratopogon*). Type-locality: Keslo (British Columbia).—Distr.: Europe; USSR: forest zone; Asia: Mongolia; North Africa: Algeria; Canary Is.; North America.

*hirta* (LUNDSTRÖM, 1910): *Acta Soc. Fauna Flora fenn.*, **33**(10): 34 (*Ceratopogon*). Type-locality: Messuby (Finland).

*palustris* (SAUNDERS, 1925): *Parasitology*, **17**(3): 269 (*Thyridomyia*). Type-locality: Little Abington, Cambs. (Great Britain).

**rugosa** CHAN et LE ROUX, 1970: *Can. Ent.*, **102**(3): 280 (*Forcipomyia*). Type-locality: Quebec (Canada).—Distr.: Europe: GB; USSR: CET (Est), FE (Kamchatka); North Africa: Algeria; North America.

*murinoides* REMM, 1971: Живая природа Дальнего Востока: 188 (*Forcipomyia*, as a new name for *F. frutetorum*: REMM, 1962: Loodusuur. Selti Aastar., 54: 184; misidentification). Type-locality: Rannaküla, Elva district (Estonian SSR).

*ursuli* REMM, 1972: Tartu Ülik. Metsaosak. Toim., 293: 66 (*Forcipomyia*). Type-locality: Ursul river, Tenga (Altay).—Distr.: USSR: WS, ES.

#### Subgenus PANHELEA REMM, 1980

REMM, 1980: Tartu Ülik. Metsaosak. Toim., 516: 117.

Type-species: *Forcipomyia pontica* REMM in REMM and ZHOGOLEV, 1968: Ent. Obozr., 47(4): 831 (orig. des.).

*hissarica* REMM, 1980: Tartu Ülik. Metsaosak. Toim., 516: 117 (*Forcipomyia*). Type-locality: Yavroz (Tajik SSR).—Distr.: USSR: SMA (Tj).

*pontica* REMM in REMM and ZHOGOLEV, 1968: Ent. Obozr., 47(4): 831 (*Forcipomyia*). Type-locality: Gursuf, Crimea.—Distr.: Europe: E, F; USSR: SET (Crimea), TC (Ge); North Africa: Algeria.

#### Subgenus CALOFORCIPOMYIA SAUNDERS, 1956

SAUNDERS, 1956: Can. J. Zool., 34: 680

Type-species: *Forcipomyia caerulea* SAUNDERS, 1956: l.c.: 681 (orig. des.); not Palaearctic.

*annulipes* TOKUNAGA, 1940: Tenthredo, 3(1): 72 (*Forcipomyia*). Type-localities: Honshu and Kyushu (Japan).—Distr.: Asia: Japan.

*glauca* MACFIE, 1934: Entomologist's mon. Mag., 70: 144 (*Forcipomyia*). Type-locality: Hickling Broad, Norfolk (Great Britain).—Distr.: Europe: B, D, GB; USSR: CET (Est, Rs), ES, FE; North and South America.

*monilis* GOETGHEBUER, 1934: Bull. Annl. Soc. r. ent. Belg., 74: 287 (*Forcipomyia*). Type-locality: Yucki, Leningrad obl. (USSR).

*diversipes* GOETGHEBUER, 1936: Bull. Annl. Soc. r. ent. Belg., 76: 315 (*Forcipomyia*). Type-locality: Chiny (Belgium).

#### Subgenus EUPROJOANNISIA BRÈTHES, 1914

BRÈTHES, 1914: An. Mus. nac. Hist. nat., B. Aires, 26: 155.

Type-species: *Euprojoannisia platensis* BRÈTHES, 1914: l.c.: 155 (orig. des.); not Palaearctic.

*alacris* (WINNERTZ, 1852): Linn. ent., 6: 25 (*Ceratopogon*, as "*alacer*"). Type-locality: Crefeld [D].—Distr.: Central Europe; USSR: NET, CET, SET (Uk), TC (Az), KZ, SMA (Ki, Tj), WS, ES; North Africa: Algeria.

- angelicae** TOKUNAGA, 1940: *Tenthredo*, 3(1): 97 (*Forcipomyia*). Type-locality: Yarizawa, Nagano-ken, Honshu.—Distr.: Asia: Japan.
- astyla** TOKUNAGA, 1940: *Tenthredo*, 3(1): 92 (*Forcipomyia*). Type-locality: Suizenzi, Kumamoto, Kyushu.—Distr.: Asia: Japan.
- asymmetrica** REMM, 1980: *Tartu Metsaosak. Ülik. Toim.*, 516: 118 (*Forcipomyia*). Type-locality: Medeo (Kazakh SSR).—Distr.: USSR: KZ.
- borealis** REMM, 1966: *Tartu Ülik. Metsaosak. Toim.*, 180: 54 (*Forcipomyia*). Type-locality: Vilnius (Lithuanian SSR).—Distr.: Europe: A, F; USSR: CET (Li), SET (Rs).
- breviforceps** TOKUNAGA, 1940: *Tenthredo*, 3(1): 98 (*Forcipomyia*). Type-locality: Honshu.—Distr.: Asia: Japan.
- bureschi** ZILAHİ-SEBESS, 1934: *Bull. Soc. ent. Bulg.*, 8: 153 (*Forcipomyia*). Type-locality: Batschkovo (Bulgaria).—Distr.: Europe: BG.
- hirtipennis** (MALLOCH, 1915): *Bull. Ill. St. Lab. nat. Hist.*, 11(4): 313 (*Euforcipomyia*). Type-locality: Urbana, Illinois (USA).—Distr.: Europe: A, D; USSR: NET, CET (Est, Li, Rs), SET (Carpathians), WS, ES, FE; North America.
- turfacea* KIEFFER, 1925: *Beitr. Kunde Estlands*, 10: 148 (*Forcipomyia*). Type-locality: Jööpre Moor, Pärnu district (Estonian SSR).
- kyotoensis** TOKUNAGA, 1940: *Tenthredo*, 3(1): 99 (*Forcipomyia*). Type-localities: Honshu and Kyushu (Japan).—Distr.: Asia: Japan.
- mesasiatica** REMM, 1980: *Tartu Ülik. Metsaosak. Toim.*, 516: 118 (*Forcipomyia*). Type-locality: Shaartuz (Tajik SSR).—Distr.: USSR: SMA (Ki, Tj, Uz, Tu); North Africa: Algeria.
- perflavida** REMM, 1971: *Живая природа Дальнего Востока*: 186 (*Forcipomyia*). Type-locality: Upper course of Sinancha river, Olga district, Primorye region (USSR).—Distr.: USSR: FE.
- phlebotomoides** BANGERTER, 1933: *Konowia*, 12(3/4): 252 (*Forcipomyia*). Type-locality: Alpen.—Distr.: Europe: D; USSR: CET (Est), SET, TC.(Ge), SMA (Ki, Tj); North Africa: Algeria.
- subsaltans* REMM, 1961: *Loodusuur. Seltsi Aastar.*, 53: 189 (*Forcipomyia*). Type-locality: Koruste, Elva district (Estonian SSR).
- psilonota** (KIEFFER, 1911): *Trans. Linn. Soc. Lond. (2) Zool.*, 14: 337 (*Ceratopogon*). Type-locality: Seychelles.—Distr.: Europe: E; North Africa: Algeria, Egypt; Azores; Canary Is.; Afrotropical Region.
- egypti* MACFIE, 1924: *Bull. ent. Res.*, 15(1): 61 (*Forcipomyia*). Type-locality: Egypt.
- hathor* KIEFFER, 1924: *Bull. Soc. ent. Égypte*, 8: 247 (*Forcipomyia*). Type-locality: Maadi (Egypt).
- titillans** (WINNERTZ, 1852): *Linn. ent.*, 6: 27 (*Ceratopogon*). Type-locality: Crefeld [D].—Distr.: Central Europe; USSR: NET, CET, SET (Carpathians), WS, ES, FE; North America.
- divaricata* (WINNERTZ, 1852): *Linn. ent.*, 6: 25 (*Ceratopogon*). Type-locality: Crefeld [D].



**yoshimurai** TOKUNAGA, 1940: *Tenthredo*, 3(1): 91 (*Forcipomyia*). Type-locality: Uzumasa, Kyoto (Japan).—Distr.: USSR: FE (Kunashir); Asia: Japan (Honshu).

Subgenus MICROHELEA KIEFFER, 1917

KIEFFER, 1917: *Annls hist.-nat. Mus. natn. hung.*, 15: 364

Type-species: *Atrichopogon microtomus* KIEFFER, 1917: l.c.: 299 (des. KIEFFER, 1921: *Annls Soc. ent. Fr.*, 90: 7) [= *fuliginosa* (MEIGEN, 1818)].

**akizukii** TOKUNAGA, 1940: *Tenthredo*, 3(1): 71 (*Forcipomyia*). Type-locality: Toyohara, Sakhalin.—Distr.: USSR: FE.

**albostylus** REMM, 1979: *Dipterol. uurimusi*, Tartu: 58 (*Forcipomyia*, as new name for *Forcipomyia rustica*: REMM, 1962: *Loodusuur. Seltsi Aastar.*, 54: 168; misidentification). Type-locality: Hulja, Rakvere district (Estonian SSR).—Distr.: USSR: CET (Est, Rs), KZ.

**aquatica** KIEFFER, 1922: *Annls Soc. scient. Brux.*, 41(2): 230 (*Forcipomyia*). Type-locality: Schleswig-Holstein [D].—Distr.: Europe: D.

**corticis** KIEFFER, 1911: *Bull. Soc. Hist. nat. Moselle*, 27: 2 (*Forcipomyia*). Type-locality: Germany.—Distr.: Europe: A, D, GB.

**dichromata** REMM in REMM and ZHOGOLEV, 1968: *Ent. Obozr.*, 47(4): 826 (*Forcipomyia*). Type-locality: Gursuf, Crimea.—Distr.: Europe: F; USSR: SET (Crimea), SMA (Tj, Uz).

**fidelis** KRIVOSHEINA, 1968: *Zool. Zh.*, 47(4): 586 (*Forcipomyia*). Type-locality: Tula obl. (USSR).—Distr.: USSR: CET (Rs).

**flavomaculata** VIMMER, 1928: *Čas čsl. Spol. ent.*, 25: 58 (*Forcipomyia*). Type-locality: Telaviv (Israel).—Distr.: Asia: Israel.

**fuliginosa** (MEIGEN, 1818): *Syst. Besch.*, 1: 86 (*Ceratopogon*). Type-locality: Berlin.—Distr.: worldwide.

*crudelis* (KARSCH, 1886): *Berl. ent. Z.*, 30: XVIII (*Ceratopogon*). Type-locality: Berlin.

*brevimanus* LUNDSTRÖM, 1910: *Acta Soc. Fauna Flora fenn.*, 33(10): 32 (*Forcipomyia*). Type-locality: Finland.

*alboclavata* (KIEFFER, 1919): *Annls hist.-nat. Mus. natn. hung.*, 17: 12 (*Ceratopogon*). Type-locality: Hungary.

*canaliculata* (GOETGHEBUER, 1920): *Mém. Mus. r. Hist. nat. Belg.*, 8(3): 110 (*Ceratopogon*). Type-locality: Hockai (Belgium).

*nilotheres* MACFIE, 1924: *Bull. ent. Res.*, 15(1): 62 (*Forcipomyia*). Type-locality: Egypt.

*longiradialis* TOKUNAGA, 1940: *Tenthredo*, 3(1): 66 (*Forcipomyia*). Type-locality: Japan.

*takagii* TOKUNAGA, 1941: *Insecta matsum.*, 15(3): 90 (*Forcipomyia*). Type-locality: Yablonia, Manchuria.

**kaltenbachii** (WINNERTZ, 1852): *Linn. ent.*, 6: 19 (*Ceratopogon*). Type-locality:

- Germany.—Distr.: Europe; USSR: NET, CET (Est, Li, Rs), SET (Uk), ES, FE; Canary Is.
- laguncula** KIEFFER, 1925: Faune de France, 11: 27 (*Forcipomyia*, as new name for *Ceratopogon bipunctatus*: KIEFFER, 1919: Annl. hist.-nat. Mus. natn. hung., 17: 13; misidentification). Type-locality: Budapest (Hungary).—Distr.: Europe: B, F, H.
- longisetosa** KRIVOSHEINA et REMM, 1973: Насекомые—разрушители древесины в лесных биоценозах Южного Приморья: 118 (*Forcipomyia*). Type-locality: Ussuri nat. res., Primorye region (USSR).—Distr.: USSR: FE.
- paradoxa** KRIVOSHEINA, 1968: Zool. Zh., 47(4): 588 (*Forcipomyia*). Type-locality: Obozerskaja, Arhangelsk obl. (USSR).—Distr.: USSR: NET, CET (Est, Rs), ES.
- picea** (WINNERTZ, 1852): Linn. ent., 6: 21 (*Ceratopogon*). Type-locality: Crefeld [D].—Distr.: Europe: USSR: NET, CET (Est, Rs), SET (Uk), FE; North America.
- latipalpis* (KIEFFER, 1901): Bull. Soc. Hist. nat. Moselle, 21: 159 (*Ceratopogon*). Type-locality: Bitche (France).
- meinerti* KIEFFER, 1915: Ent. Meddr, 10(6-7): 281 (*Forcipomyia*). Type-locality: Denmark.
- corticicola* (KIEFFER, 1919): Annl. hist.-nat. Mus. natn. hung., 17: 14 (*Ceratopogon*). Type-locality: Westfalen [D].
- turficola* KIEFFER, 1925: Beitr. Kunde Estlands., 10(4/5): 147 (*Forcipomyia*). Type-locality: Zehlau Moor, Kaliningrad obl.
- puhtuensis** REMM, 1979: Dipterol. uurimusi, Tartu: 58 (*Forcipomyia*). Type-locality: Puhtu (Estonian SSR).—Distr.: USSR: CET (Est, Li).
- rustica** (KIEFFER, 1919): Annl. hist.-nat. Mus. natn. hung., 17: 19 (*Ceratopogon*). Type-locality: Hungary.—Distr.: BG, CS, H, YU; USSR: SET, TC, KZ, SMA; Asia: Iran; North Africa: Algeria; Canary Is.
- cataneii* KIEFFER, 1923: Archs Inst. Pasteur Algér., 1(4): 662 (*Forcipomyia*). Type-locality: Biskra (Algeria).
- semirustica** REMM in REMM and ZHOGOLEV, 1968: Ent. Obozr., 47(4): 828 (*Forcipomyia*). Type-locality: Crimea.—Distr.: Europe: R; USSR: SET (Uk), SMA (Tj).
- suberis** CLASTRIER, 1956: Archs Inst. Pasteur Algér., 34(4): 496 (*Forcipomyia*). Type-locality: Keddara (Algeria).—Distr.: Europe: A, R; USSR: SET, TC, SMA; North Africa: Algeria.
- flavirustica* REMM in REMM and ZHOGOLEV, 1968: Ent. Obozr., 47(4): 827 (*Forcipomyia*). Type-locality: Crimea (USSR).
- turanorustica** REMM, 1980: Tartu Ülik. Metsaosak. Toim., 516: 118 (*Forcipomyia*). Type-locality: Krestyanskoye (Uzbek SSR).—Distr.: USSR: SMA (Tu, Uz).

## Subgenus FORCIPOMYIA MEIGEN, 1818

- abdominalis** TOKUNAGA, 1940: *Tenthredo*, 3(1): 87 (*Forcipomyia*). Type-localities: Honshu and Kyushu (Japan).—Distr.: USSR: KZ, SMA (Ki, Tj, Uz), FE; Asia: Japan.
- acanthophora** REMM in HAVELKA, 1976: *Beitr. Ent.*, 26(1): 227 (*Forcipomyia*). Type-locality: Karatal (Kirgiz SSR).—Distr.: Europe: D, F; USSR: KZ, SMA (Ki, Tj), ES; Canary Is.
- alatauensis** REMM, 1980: *Tartu Ülik. Metsaosak. Toim.*, 516: 123 (*Forcipomyia*). Type-locality: Alma-Ata (Kazakh SSR).—Distr.: USSR: KZ, SMA (Ki, Tj).
- albiradialis** TOKUNAGA, 1940: *Tenthredo*, 3(1): 75 (*Forcipomyia*). Type-locality: Honshu.—Distr.: USSR: SMA (Ki), FE; Asia: China, Japan.
- allocera** KIEFFER in KIEFFER and THIENEMANN, 1916: *Arch. Hydrobiol. Suppl.*, 2(3): 492 (*Forcipomyia*, new name for *F. heterocera* KIEFFER, 1914, a junior primary homonym of *Forcipomyia heterocera* KIEFFER, 1913: India).—Distr.: Europe: D or DDR, F.
- heterocera* KIEFFER, 1914: *Arch. Hydrobiol. Suppl.*, 2(1): 234 (*Forcipomyia*). Type-localities: Bitche (France), Germany.
- altaica** REMM, 1972: *Tartu Ülik. Metsaosak. Toim.*, 293: 62 (*Forcipomyia*). Type-locality: Tenga lake (Altay Mts).—Distr.: Europe: A, D; USSR: WS, ES.
- anguliforceps** TOKUNAGA, 1940: *Tenthredo*, 3(1): 94 (*Forcipomyia*). Type-locality: Honshu.—Distr.: Asia: Japan.
- apricans** (KIEFFER, 1919): *Annl. hist.-nat. Mus. natn. hung.*, 17: 19 (*Ceratopogon*). Type-locality: Árvaváralja (Czechoslovakia).—Distr.: Europe: CS, D; USSR: NET, CET (Est, Rs), SET (Carpathians), ES, FE.
- armandi** HARANT, W. et N. HUTTEL, 1952: *Bull. Soc. ent. Fr.*, 57(1): 13 (*Forcipomyia*). Type-locality: Lag. Veneta (Italy).—Distr.: Europe: I.
- biannulata** INGRAM et MACFIE, 1924: *Ann. trop. Med. Parasit.*, 18(4): 557 (*Forcipomyia*). Type-locality: Ghana.—Distr.: Asia: Israel; North Africa: Egypt; Canary Is.; Afrotropical and Oriental Regions; South America.
- binigrimaculata** TOKUNAGA, 1940: *Tenthredo*, 3(1): 68 (*Forcipomyia*). Type-locality: Uzumasa, Kyoto, Honshu.—Distr.: Asia: Japan (Honshu).
- bipunctata** (LINNÉ, 1767): *Syst. Nat. Ed. 12*, 1: 978 (*Tipula*). Type-locality: Sweden.—Distr.: Europe; USSR: forest and steppe zones; Asia: Turkey, Japan; North Africa: Algeria; Canary Is.; North America.
- trichoptera* (MEIGEN, 1804): *Klass. Besch.*, 1: 31 (*Ceratopogon*). Type-localities: Berlin and Portugal.
- geniculata* (GUÉRIN, 1833): *Annl. Soc. ent. Fr.*, 2: 164 (*Ceratopogon*). Type-locality: Saint-Germain (France).
- costata* (ZETTERSTEDT, 1838): *Insecta Lapp.*: 815 (*Ceratopogon*). Type-locality: Sweden.

- hirtula* (ZETTERSTEDT, 1838): *Insecta Lapp.*: 815 (*Chironomus*). Type-locality: Sweden.
- squamaticrus* (KIEFFER, 1919): *Annl. hist.-nat. Mus. natn. hung.*, 17: 9 (*Ceratopogon*). Type-locality: Deliblat (Yugoslavia).
- bitensis* KIEFFER, 1924: *Archs Inst. Pasteur Algér.*, 2(3): 394 (*Forcipomyia*). Type-locality: Bitche (France).—Distr.: Europe: F.
- brachypetiolata* VIMMER, 1918: *Čas. čsl. Spol. ent.*, 25: 56 (*Forcipomyia*). Type-locality: Telaviv (Israel).—Distr.: Asia: Israel.
- braueri* (WASMAN, 1893): *Wien. ent. Ztg.*, 12: 277 (*Ceratopogon*). Type-localities: Vorarlberg (Austria) and Davos (Switzerland).—Distr.: Europe: A, B, CH, F, GB.
- brevipedicellata* (KIEFFER, 1901): *Allg. Z. Ent.*, 6: 217 (*Ceratopogon*). Type-locality: France.—Distr.: Europe: D, F; Asia: China, Japan.
- brevipennis* (MACQUART, 1826): *Mém. Soc. Sci. Agric. Lille*, 1823–1824: 179 (*Ceratopogon*). Type-locality: North France.—Distr.: Central and South Europe; USSR: forest zone; Asia: Mongolia, Japan; North America.
- distincta* (KIEFFER, 1919): *Annl. hist.-nat. Mus. natn. hung.*, 17: 16 (*Ceratopogon*). Type-locality: Southeast Europe.
- hirtidorsum* (KIEFFER, 1919): *Annl. hist.-nat. Mus. natn. hung.*, 17: 18 (*Ceratopogon*). Type-locality: Kőrösmező (USSR: Carpathians).
- nigrimanus* (KIEFFER, 1919): *Annl. hist.-nat. Mus. natn. hung.*, 17: 19 (*Ceratopogon*, new name for *Ceratopogon brevipennis*: KIEFFER, 1918: *Ent. Mitt.*, 7: 187). Type-locality: “Russ’sch-Niemen, Lazaretschiffzug Danzig”.
- sphagnorum* KIEFFER, 1925: *Beitr. Kunde Estlands*, 10(4/5): 149 (*Forcipomyia*). Type-locality: Estonian SSR.
- subnigra* TOKUNAGA, 1940: *Tenthredo*, 3(1): 88 (*Forcipomyia*). Type-locality: Kokyo, Azabu (Honshu).
- canicularis* GOETGHEBUER, 1948: *Bull. Annls Soc. r. ent. Belg.*, 84: 36 (*Forcipomyia*). Type-locality: Gand (Belgium).—Distr.: Europe: B.
- cillata* (WINNERTZ, 1852): *Linn. ent.*, 6: 21 (*Ceratopogon*). Type-locality: Crefeld [D].—Distr.: North and Central Europe; USSR: taiga zone; Asia: Mongolia; North America.
- brunnipes* (PERRIS, 1847): *Annl. Soc. ent. Fr.*, (2) 5: 556 (*Ceratopogon*). Type-locality: South France.
- boleti* (KIEFFER, 1901): *Bull. Soc. Hist. nat. Moselle*, 21: 57 (*Ceratopogon*). Type-locality: Bitche (France).
- perrisi* (KIEFFER, 1901): *Bull. Soc. Hist. nat. Moselle*, 21: 147 (*Ceratopogon*, new name for *C. brunnipes* PERRIS, 1847, a junior primary homonym of *Ceratopogon brunnipes* MEIGEN, 1804).
- turfosa* KIEFFER, 1925: *Beitr. Kunde Estlands*, 10(4/5): 146 (*Forcipomyia*). Type-locality: Jööpre Moor (Estonian SSR).
- crassipes* (WINNERTZ, 1852): *Linn. ent.*, 6: 22 (*Ceratopogon*). Type-locality: Crefeld

- [D].—Distr.: Central Europe; USSR: CET (Est), TC (Arm, Ge), SMA (Ki), ES.
- dacica** DAMIAN-GEORGESCU, 1972: *Revue roum. Biol.*, **17**(1): 17 (*Forcipomyia*). Type-locality: Gura-Zlata (Roumania).—Distr.: Europe: R.
- danica** KIEFFER, 1915: *Ent. Meddr.*, **10**: 280 (*Forcipomyia*). Type-locality: Denmark.—Distr.: Europe: DK.
- euzierei** HARANT et GALAN, 1943: *Bull. Soc. ent. Fr.*, **48**: 122 (*Forcipomyia*). Type-locality: Montpellier (France).—Distr.: Europe: F.
- fasciata** TOKUNAGA, 1940: *Tenthredo*, **3**(1): 78 (*Forcipomyia*). Type-localities: Honshu and Kyushu (Japan).—Distr.: Asia: Japan.
- flavominima** РЕММ, 1971: *Живая природа Дальнего Востока*: 184 (*Forcipomyia*). Type-locality: Ussuri nat. res., South Primorye (USSR).—Distr.: USSR: FE.
- formicaria** KIEFFER in KIEFFER and THIENEMANN, 1908: *Z. wiss. Insektbiol.*, **4**: 2 (*Forcipomyia*). Type-locality: Bitche (France).—Distr.: Europe: F.
- guilleaumei** GOETGHEBUER, 1935: *Bull. Anns Soc. r. ent. Belg.*, **75**: 413 (*Forcipomyia*). Type-locality: Wellin (Belgium).—Distr.: Europe: B.
- hikosanensis** TOKUNAGA, 1940: *Tenthredo*, **3**(1): 81 (*Forcipomyia*). Type-locality: Mt. Hikosan, Kyushu (Japan).—Distr.: USSR: FE (South Primorye); Asia: Japan (Honshu, Kyushu, Ryukyu).
- hutteli** ARNOLD et JARRY, 1956: *Bull. Soc. ent. Fr.*, **61**(5/6): 136 (*Forcipomyia*). Type-locality: Montpellier (France).—Distr.: Europe: F.
- hybrida** РЕММ, 1980: *Tartu Ülik. Metsaosak. Toim.*, **516**: 122 (*Forcipomyia*). Type-locality: Nizhni Pyandzh (Tajik SSR).—Distr.: USSR: SMA (Tj).
- hygrophila** KIEFFER, 1925: *Beitr. Kunde Estlands*, **10**(4/5): 147 (*Forcipomyia*). Type-locality: Jööpre Moor (Estonian SSR).—Distr.: USSR: NET, CET, KZ, WS, ES, FE; North America.
- sphagnicola* KIEFFER, 1925: *Beitr. Kunde Estlands*, **10**(4/5): 148 (*Forcipomyia*). Type-locality: Jööpre Moor (Estonian SSR).
- ishikariensis** YAMASHITA, KIMATURA et NAKAMURA, 1957: *Jap. J. vet. Res.*, **5**(3): 91 (*Forcipomyia*). Type-locality: Kakuyama, Ishikari, Hokkaido.—Distr.: Asia: Japan.
- ishizuchiensis** (UDAKA, 1959): *Trans. Shikoku ent. Soc.*, **6**(2): 18 (*Lasiohelea*). Type-locality: Jojusha, Shikoku (Japan).—Distr.: Asia: Japan.
- lateralis** (BOUCHÉ, 1834): *Naturgesch. Ins.*, **1**: 23 (*Ceratopogon*). Type-locality: Germany.—Distr.: Europe: D.
- bifilis* KIEFFER, 1922: *Anns Soc. scient. Brux.*, **41**(2): 231 (*Forcipomyia*). Type-locality: Schleswig-Holstein [D].
- lepida** (WINNERTZ, 1852): *Linn. ent.*, **6**: 23 (*Ceratopogon*). Type-locality: Crefeld [D].—Distr.: Europe: A, D, GB.
- leptolepis** KRIVOSHEINA et РЕММ, 1974: *Насекомые — разрушители древесины в лесных биоценозах Южного Приморья*: 116 (*Forcipomyia*). Type-locality: Ussuri nat. res., Primorye region (USSR).—Distr.: USSR: FE.
- litoralis** SANTOS ABREU, 1918: *Mems R. Acad. Cienc. Artes Barcelona*, **14**(2): 277 (*Forcipomyia*). Type-locality: La Palma, Canary Is.—Distr.: Canary Is.

- lugubris** (ZETTERSTEDT, 1855): Dipt. Scand., 12: 4863 (*Ceratopogon*). Type-locality: Sweden.—Distr.: Europe: S.
- maculipennis** TOKUNAGA, 1940: Tenthredo, 3(1): 64 (*Forcipomyia*). Type-localities: Honshu and Kyushu (Japan).—Distr.: Asia: Japan.
- magnipunctata** TOKUNAGA, 1940: Tenthredo, 3(1): 90 (*Forcipomyia*). Type-locality: Kyoto (Honshu).—Distr.: USSR: FE; Asia: Japan.
- manchuriensis** TOKUNAGA, 1941: Insecta matsum., 15(3): 90 (*Forcipomyia*). Type-locality: Yablonia, Manchuria.—Distr.: USSR: Altay, FE; Asia: North China.
- monticolon** TOKUNAGA, 1966: Res. Kyoto Univ. scient. exp. Karakorum and Hindukush, 8: 284 (*Forcipomyia*). Type-locality: Mt. Noshaq (NE Afghanistan).—Distr.: Asia: Afghanistan.
- myrmecophila** (EGGER, 1863): Verh. zool.-bot. Ges. Wien, 13: 1109 (*Ceratopogon*). Type-locality: Austria.—Distr.: Europe: A, E, GB, SF.
- nigra** (WINNERTZ, 1852): Linn. ent., 6: 17 (*Ceratopogon*). Type-locality: Crefeld [D].—Distr.: Europe; USSR: NET, CET, SET, KZ, SMA (Ki); North Africa: Canary Is.
- nigrans** REMM, 1962: Loodusuur. Seltsi Aastar., 54: 188 (*Forcipomyia*). Type-locality: Estonian SSR.—Distr.: Europe: D; USSR: NET, CET (Est, Li, Rs), ES, FE.
- ochracea** VIMMER, 1928: Čas. čsl. Spol. ent., 25: 58 (*Forcipomyia*). Type-locality: Telaviv (Israel).—Distr.: Asia: Israel.
- padi** REMM, 1979: Dipterol. uurimusi, Tartu: 59 (*Forcipomyia*). Type-locality: Neeruti (Estonian SSR).—Distr.: USSR: CET (Est), SMA (Ki).
- pallida** (WINNERTZ, 1852): Linn. ent., 6: 15 (*Ceratopogon*). Type-locality: Crefeld [D].—Distr.: Europe; USSR: NET, CET, SET, TC (Ge), WS, ES, FE; Canary Is.; North America.
- pallidipes** SANTOS ABREU, 1918: Mems R. Acad. Cienc. Artes Barcelona, 14(2): 276 (*Forcipomyia*, as var. of *bipunctata* LINNAEUS). Type-locality: Canary Is.—Distr.: Canary Is.
- pallidistylus** KRIVOSHEINA et REMM, 1974: Насекомые — разрушители древесины в лесных биоценозах Южного Приморья: 121 (*Forcipomyia*). Type-locality: "Kedrovaya Pad". nat. res.—Distr.: USSR: FE.
- palmensis** SANTOS ABREU, 1918: Mems R. Acad. Cienc. Artes Barcelona, 14(2): 285 (*Forcipomyia*). Type-locality: Canary Is.—Distr.: Canary Is.
- pulchrithorax** EDWARDS, 1924: Parasitology, 16(2): 209 (*Forcipomyia*). Type-locality: England.—Distr.: Central Europe; USSR: CET (Est, Rs), SET (Mo, Uk), TC (Arm, Ge), KZ, SMA (Ki, Tj), WS, ES.
- punctatipennis** KIEFFER, 1924: Archs Inst. Pasteur Algér., 2: 394 (*Forcipomyia*). Type-locality: Bitche (France).—Distr.: Europe: F.
- radicicola** EDWARDS, 1924: Parasitology, 16(2): 208 (*Forcipomyia*). Type-locality: Babraham, Cambs. (England).—Distr.: Europe: A, B, D, GB.
- regulus** (WINNERTZ, 1852): Linn. ent., 6: 16 (*Ceratopogon*). Type-locality: Crefeld

- [D].—Distr.: Europe: A, D, E, GB, H, YU; USSR; NET, CET (Li), KZ, SMA (Tj, Tu), WS, ES, FE; Asia: Iran, Japan.
- metatarsis* TOKUNAGA, 1940: *Tenthredo*, 3(1): 69 (*Forcipomyia*). Type-localities: Honshu and Kyushu (Japan).
- longimaculata* TOKUNAGA, 1940: *Tenthredo*, 3(1): 85 (*Forcipomyia*). Type-locality: Mt. Hikosan, Kyushu (Japan).
- resinicola** (KIEFFER, 1901): *Bull. Soc. Hist. nat. Moselle*, 21: 159 (*Ceratopogon*). Type-locality: Bitche (France).—Distr.: Europe: F.
- rufescens** (KIEFFER, 1918): *Annls hist.-nat. Mus. natn. hung.*, 16: 40 (*Ceratopogon*). Type-locality: Tunis.—Distr.: North Africa: Tunisia.
- sahariensis** KIEFFER, 1923: *Archs Inst. Pasteur Algér.*, 1(4): 663 (*Forcipomyia*). Type-locality: Biskra (Algeria).—Distr.: USSR: TC (Arm), KZ, SMA (Ki, Tj), FE; North Africa: Algeria.
- armaticrus* KIEFFER, 1923: *Archs Inst. Pasteur Algér.*, 1(4): 661 (*Forcipomyia*). Type-locality: Biskra (Algeria).
- onusta* REMM 1980: *Tartu Ülik. Metsaosak. Toim.*, 516: 122 (*Forcipomyia*). Type-locality: Alma-Ata (Kazakh SSR).
- sanguinolenta** KIEFFER, 1925: *Archs Inst. Pasteur Algér.*, 3(4): 407 (*Forcipomyia*). Type-locality: Berlin.—Distr.: Europe: DDR.
- santosi** REMM, 1981: *ENSV TA Toim., biol.*, 30(1): 32 (*Forcipomyia*, new name for *F. bipunctata obscura* SANTOS ABREU, 1918 in *Forcipomyia* a junior secondary homonym of *Ceratopogon obscurus* WALKER, 1848: *List Dipt. Brit. Mus.*, 1: 26).—Distr.: Canary Is.
- obscura* SANTOS ABREU, 1918: *Mems R. Acad. Cienc. Artes Barcelona*, 14(2): 276 (*Forcipomyia*, as var. of *bipunctata* LINNAEUS). Type-locality: Canary Is.
- sphagnophila** KIEFFER, 1925: *Archs Inst. Pasteur Algér.*, 3(4): 406 (*Forcipomyia*). Type-locality: Zehlau Moor, Kaliningrad obl.—Distr.: Europe: D, GB; USSR: NET, CET (Rs), WS; North America.
- oreophila* REMM, 1972: *Tartu Ülik. Metsaosak. Toim.*, 293: 63 (*Forcipomyia*, as "*oreophila*"). Type-locality: Kaisyn, Altay (USSR).
- squamigera** KIEFFER in KIEFFER and THIENEMANN, 1916: *Arch. Hydrobiol. Suppl.*, 2(3): 491 (*Forcipomyia*). Type-locality: Hälsingborg (Sweden).—Distr.: Europe: CS, H, S; USSR: CET (Est, Rs).
- squamipes** (COQUILLET, 1902): *Proc. U.S. natn. Mus.*, 25: 88 (*Ceratopogon*). Type-locality: New Mexico (USA).—Distr.: USSR: CET (Est, Rs), ES; North America.
- striaticornis** (KIEFFER, 1918): *Annls hist.-nat. Mus. natn. hung.*, 16: 36 (*Ceratopogon*). Type-locality: Tunis.—Distr.: North Africa: Algeria, Tunisia.
- tenuis** (WINNERTZ, 1852): *Linn. ent.*, 6: 25 (*Ceratopogon*). Type-locality: Crefeld [D].—Distr.: Central Europe; USSR: CET (Est, Li, Rs), SET (Mo), TC (Az, Ge), WS, FE.
- tenuisquama** KIEFFER, 1924: *Archs Inst. Pasteur Algér.*, 2(3): 393 (*Forcipomyia*).



- Type-locality: Bitche (France).—Distr.: Central Europe, E; USSR: CET (Est, Rs), SET (Rs), TC (Ge), SMA (Tj), FE; Asia: Japan; North Africa: Algeria.
- flavipubens* GOETGHEBUER, 1927: *Annl. Biol. lacustre*, **15**: 93 (*Forcipomyia*).  
Type-locality: Hockai (Belgium).
- tienshanica** REMM, 1980: *Tartu Ülik. Metsaosak. Toim.*, **516**: 120 (*Forcipomyia*).  
Type-locality: Alma-Ata (Kazakh SSR).—Distr.: USSR: KZ, SMA (Ki):
- trilineata** GOETGHEBUER, 1934: 13a. *Heleidae, Fliegen pal. Reg.*, **3**(2): 90 (*Forcipomyia*). Type-locality: Walonicke, Voronezh obl. (USSR).—Distr.: Europe: A, CS; USSR: CET (Rs).
- tuzeti** W. et N. HUTTEL, 1952: *Revue fr. Ent.*, **19**(3): 178 (*Forcipomyia*). Type-locality: Bessan (France).—Distr.: Europe: F.
- urbana** GOETGHEBUER, 1937: *Bull. Annl. Soc. r. ent. Belg.*, **77**: 273 (*Forcipomyia*).  
Type-locality: Properinghe (Belgium).—Distr.: Europe: B.
- venetiana** (KIEFFER, 1919): *Annl. hist.-nat. Mus. natn. hung.*, **17**: 12 (*Ceratopogon*).  
Type-locality: Venise (Italy).—Distr.: Europe: I.
- yamauchii** TOKUNAGA, 1940: *Tenthredo*, **3**(1): 84 (*Forcipomyia*). Type-locality: Nihonsugi, Kumamoto-ken, Kyushu.—Distr.: Asia: Japan.
- zlatensis** DAMIAN-GORGESCU, 1972: *Revue roum. Biol., zool.*, **17**(1): 18 (*Forcipomyia*). Type-locality: Gura-Zlata (Roumania).—Distr.: Europe: R.

#### Subgenus LEPIDOHELEA KIEFFER, 1917

- KIEFFER, 1917: *Annl. hist.-nat. Mus. natn. hung.*, **15**: 364.  
Type-species: *Ceratopogon chrysolophus* KIEFFER, 1911: *Trans. Linn. Soc. Lond. (2) Zool.*, **14**: 333 (mon.).
- chrysolophus** (KIEFFER, 1911): *Trans. Linn. Soc. Lond. (2) Zool.*, **14**: 333 (*Ceratopogon*). Type-locality: Seychelles.—Distr.: USSR: TC (Arm), SMA (Tj, Tu, Uz); North Africa: Tunisia, Algeria, Egypt; Canary Is.; Afrotropical and Oriental Regions.
- formosae* (KIEFFER, 1922): *Annl. Soc. linn. Lyon.*, **68**: 153 (*Lepidohelea*). Type-locality: Taiwan.
- lepidota* INGRAM et MACFIE, 1924: *Ann. trop. Med. Parasit.*, **18**(4): 566 (*Forcipomyia*). Type-locality: Ghana.
- pulcherrima** SANTOS ABREU, 1918: *Mems R. Acad. Cienc. Artes Barcelona*, **14**(2): 272 (*Forcipomyia*). Type-locality: La Palma (Canary Is.).—Distr.: Canary Is.
- tibialis** REMM, 1961: *Loodusuur. Seltsi Aastar.*, **53**: 188 (*Forcipomyia*). Type-locality: Rummu lake (Estonian SSR).—Distr.: USSR: NET, CET (Est, Rs), SET (Carpathians), KZ, ES, FE.
- tinia** KRIVOSHEINA, 1968: *Zool. Zh.*, **47**(4): 583 (*Forcipomyia*). Type-locality: Kadnikov, Vologda obl. (USSR).—Distr.: USSR: CET (Rs).

Doubtful species of *Forcipomyia*

- abdominalis* (SANTOS ABREU, 1918): Mem. R. Acad. Cienc. Artes Barcelona, **14**(2): 265 (*Helea*, as var. of *murina* WINNERTZ). Type-locality: Canary Is.
- albipennis* (MEIGEN, 1818): Syst. Besch., **1**: 73 (*Ceratopogon*). Type-locality: Germany.
- ambigua* (MEIGEN, 1804): Klass. Besch., **1**: 32 (*Ceratopogon*). Type-locality: Germany. Probably a synonym of *Forcipomyia bipunctata* LINNAEUS.
- annulata* (MEIGEN, 1838): Syst. Besch., **7**: 17 (*Ceratopogon*). Type-locality: Baiern [D].
- anomala* (MACQUART, 1826): Mém. Soc. Sci. Agric. Lille, **1823-1824**: 180 (*Ceratopogon*). Type-locality: France.
- antrijovis* (KIEFFER, 1919): Anns hist.-nat. Mus. natn. hung., **17**: 15 (*Ceratopogon*). Type-locality: Creta.
- atomaria* TOKUNAGA, 1940: Tenthredo, **3**(1): 93 (*Forcipomyia*). Type-locality: Kyôto (Japan).
- attonsa* GOETGHEBUER, 1950: Bull. Inst. r. Sci. nat. Belg., **26**(47): 1 (*Forcipomyia*). Type-locality: Knocke (Belgium).
- brevicubitus* GOETGHEBUER, 1920: Mém. Mus. r. Hist. nat. Belg., **8**(3): 27 (*Forcipomyia*). Type-locality: Destelbergen (Belgium).
- cantabrica* (STROBL, 1900): Wien. ent. Ztg., **19**: 169 (*Ceratopogon*). Type-locality: Brincola (Spain).
- coarctata* (KIEFFER, 1901): Bull. Soc. Hist. nat. Moselle, **21**: 161 (*Ceratopogon*). Type-locality: Roumania.
- coprophila* KIEFFER, 1914: Arch. Hydrobiol. Suppl., **2**(1): 233 (*Forcipomyia*). Type-locality: Gütersloh, Westfalen [D].
- cypr* (KIEFFER, 1918): Anns hist.-nat. Mus. natn. hung., **16**: 86 (*Ceratopogon*). Type-locality: Larnaka (Cyprus).
- elongata* (KIEFFER, 1901): Bull. Soc. Hist. nat. Moselle, **21**: 160 (*Ceratopogon*). Type-locality: Roumania.
- erronea* (SPEISER, 1910): Zool. Jb., Suppl., **12**: 742 (*Helea*, new name for *Ceratopogon lucorum*: PERRIS, 1847: Anns Soc. ent. Fr., (2) **5**: 566, not MEIGEN; misidentification). Type-locality: France.
- flavicincta* SANTOS ABREU, 1918: Mem. R. Acad. Cienc. Artes Barcelona, **14**(2): 282 (*Forcipomyia*). Type-locality: La Palma (Canary Is.).
- freyi* STORÀ, 1936: Commentat. biol., **6**(1): 32 (*Forcipomyia*). Type-locality: Tenerife (Canary Is.).
- fulvescens* SANTOS ABREU, 1918: Mem. R. Acad. Cienc. Artes Barcelona, **14**(2): 284 (*Forcipomyia*). Type-locality: La Palma (Canary Is.).
- halterata* (WINNERTZ, 1852): Linn. ent., **6**: 28 (*Ceratopogon*). Type-locality: Crefeld [D].
- immaculata* VIMMER, 1928: Čas. čsl. Spol. ent., **25**: 57 (*Forcipomyia*). Type-locality: Tel-Aviv (Israel).
- koniae* (KIEFFER, 1918): Anns hist.-nat. Mus. natn. hung., **16**: 87 (*Ceratopogon*). Type-locality: Konia (Turkey).
- laboulbeni* (PERRIS, 1870): Anns Soc. ent. Fr., (4) **10**: 138 (*Ceratopogon*). Type-locality: France.
- leucoptera* (MEIGEN, 1804): Klass. Besch., **1**: 28 (*Ceratopogon*). Type-locality: Germany.
- mediterranea* (KIEFFER, 1919): Anns hist.-nat. Mus. natn. hung., **17**: 16 (*Ceratopogon*). Type-locality: Creta.
- minuta* (TOKUNAGA, 1940): Tenthredo, **3**(2): 106 (*Lasiohelea*). Type-locality: Kyushu (Japan).
- minuta* GOETGHEBUER, 1947: Bull. Anns Soc. r. ent. Belg., **83**: 228 (*Forcipomyia*). Type-locality: Belgium.
- monticola* (TOKUNAGA, 1937): Tenthredo, **1**(3): 270 (*Lasiohelea*). Type-locality: Kibune, Kyoto, Honshu (Japan).
- pallipes* (MEIGEN, 1818): Syst. Besch., **1**: 74 (*Ceratopogon*). Type-locality: Germany.
- picheyrei* HARANT et GALAN, 1942: Archs Inst. Pasteur Algér., **20**: 135 (*Forcipomyia*). Type-locality: Hoggar (Algeria).
- postrema* (SANTOS ABREU, 1918): Mem. R. Acad. Cienc. Artes Barcelona, **14**(2): 269 (*Helea*). Type-locality: Canary Is.
- praecincta* SANTOS ABREU, 1918: Mem. R. Acad. Cienc. Artes Barcelona, **14**(2): 279 (*Forcipomyia*). Type-locality: La Palma (Canary Is.).
- scapularis* GOETGHEBUER, 1933: Bull. Anns Soc. r. ent. Belg., **73**: 353 (*Forcipomyia*). Type-locality: Chiny (Belgium).

- tetrasticta* (KIEFFER, 1919): Anns hist.-nat. Mus. natn. hung., 17: 11 (*Ceratopogon*). Type-locality: Budapest (Hungary).  
*thienemanni* KIEFFER, 1912: Bull. Soc. ent. Fr., 1912(4): 103 (*Forcipomyia*). Type-locality: Eifel [D].  
*tristis* (MEIGEN, 1830): Syst. Besch., 6: 263 (*Ceratopogon*). Type-locality: Germany.  
*urnigera* KIEFFER, 1924: Bull. Soc. ent. Égypte, 8: 247 (*Forcipomyia*). Type-locality: Maadi (Egypt).  
*villosa* (ZETTERSTEDT, 1850): Dipt. Scand., 9: 3645 (*Ceratopogon*). Type-locality: Sweden.  
*vittata* TOKUNAGA, 1940: Tenthredo, 3(1): 71 (*Forcipomyia*). Type-locality: Kibune, Kyoto, Honshu (Japan).

### Doubtful species of *Ceratopogonidae*

- aristolochiae* RONDANI, 1860: Atti Soc. ital. Sci. nat., Milano, 2(1): 134 (*Ceratopogon*). Type-locality: Italy.  
*barbipes* GIMMERTHAL, 1845: CorrespBl. NaturVer. Riga, 1(6): 102 (*Ceratopogon*). Type-locality: Kurland (Latvian SSR).  
*fuscipes* ZETTERSTEDT, 1850: Dipt. Scand., 9: 3644 (*Ceratopogon*). Type-locality: Denmark.  
*humeralis* ZETTERSTEDT, 1838: Insecta Lapp.: 820 (*Ceratopogon*). Type-locality: Sweden.  
*neglectus* WINNERTZ, 1852: Linn. ent., 6: 46 (*Ceratopogon*). Type-locality: Crefeld [D].  
*nemorosus* MEIGEN, 1804: Klass. Besch., 1: 24 (*Ceratopogon*). Type-locality: Germany.  
*nilicola* KIEFFER, 1924: Bull. Soc. ent. Égypte, 8: 253 (*Apelma*). Type-locality: Maadi (Egypt).  
*pennicornis* ZETTERSTEDT, 1850: Dipt. Scand., 9: 3696 (*Cecidomyia*). Type-locality: Sweden.  
*pusillus* HOLMGREN, 1883: Ent. Tidskr., 4(3/4): 182 (*Ceratopogon*). Type-locality: "Chabarowa bay", Nenets nat. reg. (USSR).  
*pusio* ZETTERSTEDT, 1850: Dipt. Scand., 9: 3647 (*Ceratopogon*). Type-locality: Norway.  
*saltans* WINNERTZ, 1852: Linn. ent., 6: 27 (*Ceratopogon*). Type-locality: Crefeld [D].  
*subsultans* SCHRANK, 1803: Fauna boica, 3(1): 77 (*Tipula*). Type-locality: Baiern [D].  
*univittatus* ZETTERSTEDT, 1838: Insecta Lapp.: 820 (*Ceratopogon*). Type-locality: Lapponia.  
*validinervis* ZETTERSTEDT, 1850: Dipt. Scand., 9: 3645 (*Ceratopogon*). Type-locality: Gotland (Sweden).  
*varipes* MEIGEN, 1838: Syst. Besch., 7: 18 (*Ceratopogon*). Type-locality: Baiern [D].  
*vittatus* WIEDEMANN, 1817: Zool. Mag. Kiel., 1(1): 66 (*Ceratopogon*). Type-locality: Holstein [D].  
*vittiger* ZETTERSTEDT, 1850: Dipt. Scand., 9: (*Ceratopogon*). Type-locality: Sweden.

## Family Leptoconopidae

By H. REMM

Eyes widely separated in both sexes. Female antennae with 12 to 14 segments, male antennae 15-segmented, plumose. Mouthparts well developed, mandibles and maxillae with numerous small teeth; palpi 4-segmented. Thorax stout, usually black. Wings milky white, without macrotrichia on membrane. Costa and radial veins short, partially fused and forming a distinct thickened stigma. A conspicuous intercalary vein extending from basal arculus to wing tip; *rm* crossvein absent. Female abdomen apically with a pair of usually elongate, laterally flattened lamellae modified from the cerci.

Larvae vermiform without spines and processes, with a transparent non-sclerotized head capsule. Pharyngeal apparatus with long lateral rods extending into thorax. The nine abdominal segments subdivided giving the appearance of 21 to 23 body segments.

Larvae usually occur in wet sandy soil near lakes, ponds, streams or coastal lagoons.

All species are bloodsuckers on mammals and birds, and often extremely annoying pests in coastal or desert regions. The biting activity is diurnal.

The taxonomy and distribution of the Palaearctic species are poorly known. The majority of species occurs in the Mediterranean region.

**References:** CARTER, 1921; CLASTRIER, 1973; GUTSEVICH, 1973.

**Leptoconops** SKUSE, 1889

SKUSE, 1889: Proc. Linn. Soc. N.S.W., **4**: 288.

Type-species: *Leptoconops stygius* SKUSE, 1889: l.c.: 288 (mon.); not Palaearctic.

*Mycterotypus* NOË, 1905: Atti Accad. naz. Lincei Rc., **14**: 114. Type-species: *Mycterotypus bezzii* NOË, 1905: l.c.: 114 (des. CARTER, 1921: Bull. ent. Res., **12**: 3).

*Microconops* KIEFFER, 1921: Archs Insts Pasteur Afr. N., **1**(1): 108. Type-species: *Microconops vexans* KIEFFER, 1921: l.c.: 110 (orig. des.).

*Holoconops* KIEFFER, 1918: see below as subgenus.

*Proleptoconops* CLASTRIER, 1974: see below as subgenus.

## Subgenus LEPTOCONOPS SKUSE, 1889

**aviarum** GUTSEVICH, 1973: The bloodsucking midges: 245 (*Leptoconops*). Type-locality: Buljoni-Bolo, Dangara district (Tajik SSR).—Distr.: USSR: SMA (Tj).

**bezzii** (NOË, 1905): Atti Accad. naz. Lincei Rc., **14**: 114 (*Mycterotypus*). Type-locality: Italy.—Distr.: Europe: F, I; USSR: TC (Arm, Az).

*muganicus* DZHAFAROV, 1964: Кровососущие мокрецы Закавказья: 361 (*Leptoconops*, as subsp. of *bezzii*).

*bezzii* var. *muganicus* DZHAFAROV, 1961: Izv. Akad. Nauk azerb SSR, biol., **1961**(1): 67 (*Leptoconops*). Type-locality: Mugan (Azerbaijan SSR).—Infrasubspecific name.

**bidentatus** GUTSEVICH, 1960: Кровосос. мокрецы фауны СССР: 127 (*Leptoconops*). Type-locality: Gudermes (Checheno-Ingush ASSR).—Distr.: Europe: F, I; USSR: SET (Rs, Uk), TC (Az), KZ, SMA (Tj, Tu, Uz); North Africa: Algeria.

**camelorum** (KIEFFER, 1921): Archs Insts Pasteur Afr. N., **1**(1): 111 (*Tersesthes*). Type-locality: Algeria.—Distr.: USSR: SET (Rs), TC (Az), SMA (Tu); North Africa: Algeria.

**caucasicus** GUTSEVICH, 1953: Ent. Obozr., **33**: 235 (*Leptoconops*). Type-locality: Prishib (Azerbaijan SSR).—Distr.: USSR: TC (Az, Ge), SMA (Tu).

**flaviventris** KIEFFER, 1918: Annl. hist.-nat. Mus. natn. hung., **16**: 34 (*Leptoconops*). Type-locality: Tunis, Djebel Djeloud.—Distr.: North Africa: Tunisia.

**hyalinipennis** KIEFFER, 1918: Annl. hist.-nat. Mus. natn. hung., **16**: 33 (*Leptoconops*). Type-locality: Tunis.—Distr.: North Africa: Tunisia.

**irritans** (NOË, 1905): Atti Accad. naz. Lincei Rc., **14**: 118 (*Mycterotypus*). Type-locality: Italy.—Distr.: Europe: F, I; North Africa: Algeria.

*longipalpis* (KIEFFER, 1923): Archs Inst. Pasteur Algér., **1**(4): 657 (*Microconops*). Type-locality: Biskra (Algeria).

*inopinatus* W. et N. HUTTEL, 1952: Bull. Soc. ent. Fr., **57**(3): 45 (*Leptoconops*). Type-locality: Aigues Mortes (France).

- lisbonnei** HARANT et GALAN, 1944: Bull. Soc. Path. exot., **37**(5/6): 170 (*Leptoconops*). Type-locality: Palavas (France).—Distr.: Europe: F.
- lucidus** GUTSEVICH, 1964: Trudy Inst. Zool., Alma-Ata, **22**: 192 (*Leptoconops*). Type-locality: Ili (Kazakh SSR).—Distr.: USSR: KZ, SMA (Tj, Tu, Uz); Asia: China (Inner Mongolia).
- mesopotamiensis** (PATTON, 1920): Indian J. med. Res., **8**(2): 245 (*Tersesthes*). Type-locality: Iraq.—Distr.: Asia: Iraq.
- minutus** GUTSEVICH, 1973: The bloodsucking midges: 249 (*Leptoconops*). Type-locality: Bairam-Ali (Turkmen SSR).—Distr.: USSR: SMA (Tu).
- nigripes** DZHAFAROV, 1961: Izv. Akad. Nauk azerb. SSR, biol., **1961**(1): 68 (*Leptoconops*). Type-locality: Mugan (Azerbaijan SSR).—Distr.: USSR: TC (Arm, Az), KZ.
- nipponensis** TOKUNAGA, 1937: Tenthredo, **1**(3): 262 (*Leptoconops*). Type-locality: Japan.—Distr.: USSR: FE; Asia: Japan.
- noei** CLASTRIER et COLUZZI, 1973: Parassitologia, **15**(1–2): 59 (*Leptoconops*). Type-locality: San Severa (Italy).—Distr.: Europe: CY, F, I; USSR: SET (Uk, Rs), TC (Ge, Az), KZ, SMA (Tu); North Africa: Algeria, Tunisia.

#### Subgenus HOLOCONOPS KIEFFER, 1918

KIEFFER, 1918: Anns hist.-nat. Mus. natn. hung., **16**: 135.

Type-species: *Leptoconops kerteszi* KIEFFER, 1908: Anns hist.-nat. Mus. natn.-hung., **6**: 576 (orig. des.).

- acer** CLASTRIER, 1973: Anns Soc. ent. Fr. (N.S.), **9**(4): 911 (*Leptoconops*). Type-locality: La Figueirasse (France).—Distr.: Europe: F.
- algeriensis** CLASTRIER, 1975: Archs Inst. Pasteur Algér., **50–51**: 41 (*Leptoconops*). Type-locality: Arharhar (Sahara oriental).—Distr.: North Africa: Algeria, Libya.
- amplifemoralis** CHANTAWANICH et DELFINADO, 1967: J. Med. Entomol., **4**(3): 298 (*Leptoconops*). Type-locality: Nepal.—Distr.: USSR; SMA (Tj, Uz); Oriental Region.
- borealis** GUTSEVICH, 1945: Ent. Obozr., **28**: 124 (*Leptoconops*). Type-locality: Chuvash ASSR.—Distr.: USSR: CET (Uk, Rs), TC (Az, Arm), KZ, SMA (Ki, Tu); Asia: North China.
- popovii* DZHAFAROV, 1961: Izv. Akad. Nauk azerb. SSR, biol., **1961**(1): 72 (*Leptoconops*). Type-locality: Azerbaijan SSR.
- dissimilis** CLASTRIER, 1975: Anns Soc. ent. Fr. (N.S.), **11**(3): 605 (*Leptoconops*). Type-locality: North Tschad.—Distr.: North Africa: Egypt; North Tschad.
- exspectator** CLASTRIER, 1975: Archs Inst. Pasteur Algér., **50–51**: 39 (*Leptoconops*). Type-locality: Hoggar, In Amguel (Algeria).—Distr.: North Africa: Algeria.

- foleyi** CLASTRIER, 1975: Archs Inst. Pasteur Algér., **50-51**: 33 (*Leptoconops*). Type-locality: Hoggar (Sahara central).—Distr.: North Africa: Algeria.
- gallicus** CLASTRIER, 1973: Anns Soc. ent. Fr. (N.S.), **9(4)**: 906 (*Leptoconops*). Type-locality: La Figueirasse (France).—Distr.: Europe: F.
- kerteszi** KIEFFER, 1908: Anns hist.-nat. Mus. natn. hung., **6**: 576 (*Leptoconops*). Type-locality: Cairo.—Distr.: North Africa: Egypt.
- lacteipennis** KIEFFER, 1918: Anns hist.-nat. Mus. natn. hung., **16**: 32 (*Leptoconops*). Type-locality: Tunis.—Distr.: North Africa: Tunisia.
- latibolorum** GUTSEVICH, 1973: The bloodsucking midges: 259 (*Leptoconops*). Type-locality: Ustjurt (Kazakh SSR).—Distr.: USSR: KZ, SMA (Tu).
- laurae** (WEISS, 1912): Archs Inst. Pasteur Tunis, **1**: 24 (*Mycterotypus*). Type-locality: Tunis.—Distr.: North Africa: Tunisia, Morocco, Algeria, Libya; ?USSR: TC (Az, Arm), KZ, SMA.
- mediterraneus* (KIEFFER, 1921): Archs Insts Pasteur Afr. N., **1(3)**: 264 (*Holoconops*). Type-locality: Beni Abbes (Algeria).
- macfieii** CLASTRIER, 1975: Archs Inst. Pasteur Algér., **50-51**: 28 (*Leptoconops*). Type-locality: Ismailia (Egypt).—Distr.: Asia: Jemen (Kamaran Is.); North Africa: Egypt; Sudan.
- montanus** KONURBAJEV, 1965: Ent. Obozr., **44(1)**: 134 (*Leptoconops*). Type-locality: Issyk-kul (Kirghiz SSR).—Distr.: USSR: SMA (Ki).
- nachitschevanicus** DZHAFAROV, 1961: Izv. Akad. Nauk azerb. SSR, biol., **1961(10)**: 78 (*Leptoconops*). Type-locality: Nakhichevan ASSR.—Distr.: USSR: TC (Az).
- pavlovskiyi** DZHAFAROV, 1961: Izv. Akad. Nauk azerb. SSR, biol., **1961(1)**: 74 (*Leptoconops*). Type-locality: Azerbaijan SSR.—Distr.: USSR: SET (Uk), TC (Az), SMA (Uz).
- peneti** (LANGERON, 1913): Archs Parasit., **16**: 282 (*Mycterotypus*, as var. of *laurae* WEISS). Type-locality: "oasis d'El Hamma, près de Tozeur" (Tunis).—Distr.: North Africa: Tunisia.
- pugnax** CLASTRIER, 1973: Anns Soc. ent. Fr. (N.S.), **9(4)**: 908 (*Leptoconops*). Type-locality: La Figueirasse (France).—Distr.: Europe: F.
- rufiventris** (KIEFFER, 1923): Archs Inst. Pasteur Algér., **1(4)**: 658 (*Microconops*). Type-locality: Biskra (Algeria).—Distr.: North Africa: Algeria.
- tibetensis** LEE, 1978: Biting midges of the China: 115 (*Leptoconops*). Type-locality: Tibet (China).—Distr.: Asia: China (Tibet).
- transversalis** (KIEFFER, 1921): Archs Insts Pasteur Afr. N., **1(1)**: 112 (*Holoconops*). Type-locality: Tunis.—Distr.: North Africa: Tunisia.
- vexans** (KIEFFER, 1921): Archs Insts Pasteur Afr. N., **1(1)**: 110 (*Microconops*). Type-locality: Dar Aroussa (Algeria).—Distr.: North Africa: Algeria.
- yunhsienensis** YU, 1963: Acta zool. sin., **15(3)**: 450 (*Leptoconops*). Type-locality: Hubei (China).—Distr.: Asia: China.

## Subgenus PROLEPTOCONOPS CLASTRIER, 1974

CLASTRIER, 1974: *Parassitologia*, **16**(2-3): 231.

Type-species: *Leptoconops hutsoni* CLASTRIER, 1974: l.c.: 232 (orig. des.).

*hutsoni* CLASTRIER, 1974: *Parassitologia*, **16**(2-3): 232 (*Leptoconops*). Type-locality:

Biskra (Algeria).—Distr.: North Africa: Algeria.

*turkmenicus* MOLOTOVA, 1967: *Zool. Zh.*, **46**(4): 627 (*Leptoconops*). Type-locality:

Molla-Kara (Turkmen SSR).—Distr.: USSR: KZ, SMA (Tu, Uz).

## Family Simuliidae

By I. A. RUBZOV and A. V. YANKOVSKY

Short, 2–5 mm long, usually black, sometimes gray, reddish or brown flies. Head big, especially in males, in females with more or less wide frons, in males eyes usually holoptic. Antennae with 11, rarely 9–10 segments. Mouthparts short, in bloodsucking females mandibles and maxillae with teeth, rarely (in plant feeding females) without teeth. Thorax evidently convex, gibbous; border of prothorax visible only on "shoulders". Wings broad, with longitudinal venation: costal (*C*), subcostal (*Sc*), radial (*R*<sub>1</sub> and *R*<sub>4+5</sub>, sometimes divergent), medial (*M*<sub>1</sub>, *M*<sub>2</sub> and *M*<sub>3</sub>, between *M*<sub>2</sub> and *M*<sub>3</sub> usually a divergent fold), cubital (*Cu*, usually S-curved), anal (*An*), and axial (*Ax*). Legs strong, basitarsi prolonged. First abdominal tergum narrow, with a brush of hairs. In bloodsucking females sternites 2–6 reduced. In males gonosternum fused.

Eggs ovoid, subtriangular, about 0.3 mm, rarely 0.4–0.5 mm, with transparent chorion, surface smooth. Eggs placed on aquatic vegetation, stones, etc., usually in masses on water level, rarely on bottom.

Larvae developing in streams. Head big, well distinct of body, with fan-shaped premandibles (rarely without premandibles: subfamily Gymnopauidinae and first instars larvae of subfamily Prosimuliinae), used for filtration of food particles, also with well-developed mandibles, maxillae and mentum (subdivided into 3 parts). Body cylindrical, posteriorly swollen. One "thoracic leg" with a little ring of hooks. Last body segment with a bigger ring of 500–5000 hooks, forming attaching organ.

Pupae inhabiting the same places as larvae. Pupae covered with pocket-shaped or shoe-shaped woven cocoon (rarely without cocoon), attached to leaves or stones. Body shape resembling adult insect. Pupal thorax frontolaterally a pair of respiratory organs, usually branched, rarely irregularly swollen. Abdomen with various thorns and hooklets, holding pupa on substrate and in cocoon.

Preimaginal stages rheophilic, developing in various aquatic biotopes, from mountain springs to big rivers.

Adults able to spread over considerable distances from breeding watersites. Some species are serious pests and vectors of human and animal diseases (especially onchocerciasis, leucocytozoonosis). Usually (mainly in Northern Palaearctic) one generation per year, but possibly two, three or more. Overwintering as eggs, larvae, rarely pupae. Prior to pupation larva weaving a cocoon. Fertilization usually in mating swarms. Most species facultative bloodsuckers.

Distributed all over the world. More than 850 species in Palaearctic Region.

**References:** DAVIES, 1966; DINULESCU, 1966; EDWARDS, 1915, 1920; ENDERLEIN, 1921; GREINER, 1953; KNOZ, 1965; RIVOSECCHI, 1978; RUBZOV, 1940, 1956, 1959–64; RUBZOV and YANKOVSKY, 1984; SMART, 1945; STONE, 1963, TERTERJAN, 1968; USSOVA, 1961.

Some of ENDERLEIN's descriptions of blackfly species are not in accordance with modern systematic requirements and these species names are treated here as nomina dubia.



Subfamily *Gymnopauidinae*

Reference: RUBZOV, 1956: Fauna USSR, 6(6), Simuliidae, 2 Ed.: 186.

**Gymnopais** STONE, 1949

STONE, 1949: Proc. ent. Soc. Wash., 56(6): 260.

Type-species: *Gymnopais dichopticus* STONE, 1949: l.c.: 260 (orig. des.); not Palaearctic.

**bifistulatus** RUBZOV, 1955: Ent. Obozr., 34(2): 336 (*Gymnopais*). Type-locality: riv. Zhilishtshe, 17 km N from beginning of river Angara (Baikal region, USSR).—Distr.: USSR: ES, FE.

**frontatus** YANKOVSKY, 1982: Parazitologiya, 16(2): 160 (*Gymnopais*). Type-locality: rivulet Dyakonovsky 2-nd, affluent of lake Azhabatchye (Kamchatka, USSR).—Distr.: USSR: FE (Kamchatka).

**lindneri** RUBZOV, 1963: Stuttg. Beitr. Naturk., No. 123: 1 (*Gymnopais*). Type-locality: "Tuwisches autonomes Gebiet, Nebenfluß des Samagalta" (USSR).—Distr.: USSR: WS.

**rubzovi** BOBROVA, 1967: Ent. Obozr., 46(4): 884 (*Gymnopais*). Type-locality: affluent of river Dzhumala (Altay, USSR).—Distr.: USSR: WS.

**sexcornutus** BODROVA, 1975: Ent. Obozr., 54(2): 429 (*Gymnopais*). Type-locality: rivulet Meteorologov (Maritime territory, USSR).—Distr.: USSR: FE.

**trifistulatus** RUBZOV, 1955: Ent. Obozr., 34(2): 333 (*Gymnopais*). Type-locality: river Biltshir, affluent of river Sagan-Ugun, tributary of river Irkut (Baikal region, USSR).—Distr.: USSR: ES, FE.

**Twinnia** STONE et JAMNBACK, 1955

STONE and JAMNBACK, 1955: Bull. N.Y. St. Mus., 349: 18.

Type-species: *Twinnia tibblesi* STONE et JAMNBACK, 1955: l.c.: 19 (orig. des.); not Palaearctic.

**cannibora** ONO, 1977: Res. Bull. Obihiro Univ., 10: 759 (*Twinnia*). Type-locality: "spring-feel stream in the forest, Nukabira, Kamishihoro" (Hokkaido, Japan).—Distr.: Asia: Japan.

**hydroides** (NOVAK, 1956): Věst. čsl. Spol. zool., 20(3): 226 (*Gymnopais*). Type-locality: "Slovakia: Lučianka pod Dumbierem (N. Tatry)".—Distr.: Europe: CH, CS, D, PL, R, YU.

**japonensis** RUBZOV, 1960: 14. Simuliidae, Fliegen pal. Reg., 3(4): 128 (*Twinnia*, as subsp. of *nova* STONE et JAMNBACK). Type-locality: "Japonia".—Distr.: Asia: Japan.

**magadensis** RUBZOV, 1973: Новые и малоизвестные виды фауны Сибири, 7: 120 (*Twinnia*). Type-locality: Sokol, 50 km N from Magadan (USSR).—Distr.: USSR: FE.

- sedecimfistulata** (RUBZOV, 1955): Ent. Obozr., **34**(2): 332 (*Gymnopsis*). Type-locality: rivulet M. Koty and B. Koty, 18 km N from beginning of river Angara (Baikal region, USSR).—Distr.: USSR: ES, FE.
- subtibbelesi** ONO, 1980: Kontyû, **48**(3): 333 (*Twinnia*). Type-locality: "Yoda Terrace, Obihiro, Hokkaido" (Japan).—Distr.: Asia: Japan.
- tatrensis** NOVAK, 1959: Čas. čsl. Spol. ent., **54**(4): 364 (*Twinnia*). Type-locality: "Furkotska dolina at Strbske Pleso, Vysoke Tatry" (Czechoslovakia).—Distr.: Europe: CS, R.

### **Levitinia** CHUBAREVA et PETROVA, 1981

- CHUBAREVA and PETROVA, 1981: Ent. Obozr., **60**(4): 898.  
Type-species: *Levitinia tacobi* CHUBAREVA et PETROVA, 1981: l.c.: 899 (orig. des.).
- tacobi** CHUBAREVA et PETROVA, 1981: Ent. Obozr., **60**(4): 899 (*Levitinia*). Type-locality: small mountain stream, 2 range affluent of river Varzob, 3,5 km from Takob, Hissar mount. range, Tajikistan (USSR).—Distr.: USSR: SMA (Tj).

### Subfamily Prosimuliinae

**Reference:** ENDERLEIN, 1921: Dt. tierärztl. Wschr., **29**(16): 199.

### **Ahaimophaga** CHUBAREVA, 1978

- CHUBAREVA, 1978: Parazitologiya, **12**(1): 42.  
Type-species: *Prosimulium alpestre* DOROGOSTAJSKY, RUBZOV et VLASENKO, 1935: Parazit. Sb. zool. Inst. Moskva, **5**: 136 (orig. des.).
- alpestris** (DOROGOSTAJSKY, RUBZOV et VLASENKO, 1935): Parazit. Sb. zool. Inst. Moskva, **5**: 136 (*Prosimulium*). Type-locality: Slyudyanka river, Pribaikalye (Baikal region, USSR).—Distr.: USSR: WS, ES, FE.
- alpestris altaica** (RUBZOV, 1956): Fauna USSR, **6**(6), Simuliidae, 2 Ed.: 215 (*Prosimulium*). Type-locality: Katonka river (Altay, USSR).—Distr.: USSR: WS.
- alpestris komandorensis** (RUBZOV, 1971): Новые и малоизвестные виды фауны Сибири: 91 (*Prosimulium*). Type-locality: Komandor Is. (USSR).—Distr.: USSR: FE (Komandor Is.).
- alpestris relensis** (RUBZOV, 1956): Fauna USSR, **6**(6), Simuliidae, 2 Ed.: 215 (*Prosimulium*). Type-locality: Rel river (Baikal region, USSR).—Distr.: USSR: ES.

- arida** (RUBZOV, 1971): Ent. Obozr., 50(1): 79 (*Prosimulium*). Type-locality: Arhangayskiy aymak, 15 km NE from Egin-Daba Pass (Mongolia).—Distr.: Asia: Mongolia.
- buturlini** (RUBZOV, 1956): Fauna USSR, 6(6), Simuliidae, 2 Ed.: 219 (*Prosimulium*). Type-locality: valley of Tolstaya-Mayatshnaya river, Kolyma riv. Basin (USSR).—Distr.: USSR: FE (Northern Part).
- czekanovskii** (RUBZOV, 1956): Fauna USSR, 6(6), Simuliidae, 2 Ed.: 220 (*Prosimulium*). Type-locality: Golimer river, near the mouth of Olenyok river (Yakutia, USSR).—Distr.: USSR: ES.
- kamtshatica** (RUBZOV, 1940): Fauna USSR, 6(6), Simuliidae, 1 Ed.: 215 (*Prosimulium*). Type-locality: Klyutshevskoye on the Kamchatka river (USSR).—Distr.: USSR: FE (Kamchatka).
- mesenevi** (PATRUSHEVA, 1975): Таксономия и экология членистоногих Сибири, 9: 70 (*Prosimulium*). Type-locality: B. Lungphaza, Taymyr peninsula (USSR).—Distr.: USSR: ES.
- [perspicua** (SOMMERMAN, 1958): Proc. ent. Soc. Wash., 60(5): 199 (*Prosimulium*). Type-locality: "Eagle River, a glacial stream 13,5 miles north of Anchorage, Alaska".—Distr.: ?USSR: FE (Tshukotka); Nearctic Region (Alaska).]
- phytofaga** (RUBZOV, 1976): Trudy Inst. zool., Alma-Ata, 36: 6 (*Prosimulium*). Type-localities: rivulet in Ortamerke Canyon, Kegenskiy rayon, Alma-Atinskaya oblast... source of Soldatka river at Topolevka, Taldy-Kurganskaya oblast (Kazakhstan, USSR) [holotype label: rivulet in Ortamerke Canyon, Kegenskiy rayon, Alma-Ata distric].—Distr.: USSR: KZ, SMA.
- rhizomorpha** (RUBZOV, 1971): Ent. Essays commemor. Retir. Prof. Yasumatsu: 167 (*Prosimulium*). Type-locality: source Pyatiletki, Ust-Srednikan, Kolyma river (Magadan district, USSR).—Distr.: USSR: FE (Northern Part).
- unispina** (RUBZOV, 1967): Ent. Obozr., 46(3): 735 (*Prosimulium*). Type-locality: surroundings of Mondy, Sayany mounts (Southern Siberia, USSR).—Distr.: USSR: WS, ES.

### Нимфопхга RUBZOV, 1977

RUBZOV, 1977: Новые и малоизвестные виды насекомых Европейской части СССР: 49.

Type-species: *Prosimulium multicaulis* POPOV, 1968: Parazitologiya, 2(5): 444 (orig. des.).

**chehciri** (POPOV, 1977): Таксоны фауны Сибири: 57 (*Prosimulium*). Type-locality: near Kazakevitshevo, in rivulet Sosninskiy, Khekhtsir mount. range (Khabarovsk territory, USSR).—Distr.: USSR: FE.

- [clavata** (PETERSON, 1970: Mem. ent. Soc. Can., **69**: 57 (*Prosimulium* (*Helodon*)). Type-locality: "Wolf Creek, mile 907 Alaska Hwy, Yukon Territory".—Distr.: ?USSR: FE (Tshukotka); Nearctic Region (Canada, Alaska).]
- kamui** (UEMOTO et OKAZAWA, 1980): Jap. J. sanit. Zool., **31**(3): 224 (*Prosimulium* (*Helodon*)). Type-locality: "Makomanai stream . . ., Sapporo, Hokkaido" (Japan).—Distr.: Asia: Japan.
- multicaulis** (POPOV, 1968): Parazitologiya, **2**(5): 444 (*Prosimulium*). Type-locality: mountain stream Medvezhiy, left affluent of Amur river (Khabarovsk territory, USSR).—Distr.: USSR: FE.

### **Prosimulium** ROUBAUD, 1906

- ROUBAUD, 1906: C.r. Acad. Sci. Paris, **143**: 521 (as subgenus of *Simulium* LATREILLE, 1802).  
Type-species: *Simulia hirtipes* FRIES, 1824: Monogr. simuliarum sveciae, **1**: 17 (des. MALLOCH, 1914: Tech. Ser. Bur. Ent. U.S. Dep. Agric., **26**: 14).
- Taeniopterna* ENDERLEIN, 1925: Zool. Anz., **62**(9–10): 203. Type-species: *Melusina macropyga* LUNDSTRÖM, 1911: Acta Soc. Fauna Flora fenn., **34**: 20 (orig. des.).
- Hellichia* ENDERLEIN, 1925: Zool. Anz., **62**(9–10): 203. Type-species: *Hellichia latifrons* ENDERLEIN, 1925: l.c.: 204 (orig. des.) [= *macropyga* (LUNDSTRÖM, 1911)].
- Mallochella* ENDERLEIN, 1930: Arch. klassif. phylogen. Ent., **1**(2): 91. Type-species: *Mallochella sibirica* ENDERLEIN, 1930: l.c.: 91 (orig. des.) [= *hirtipes* (FRIES, 1824)].
- Mallochianella* VARGAS et DIAZ NAJERA, 1948: Revta Inst. Salubr. Enferm. trop., **9**(1): 65 (as subgenus of *Simulium* and as new name for *Mallochella* ENDERLEIN, 1930). Type-species: *Mallochella sibirica* ENDERLEIN, 1930 (aut.).
- apoinum** ONO, 1977: Res. Bull. Obihiro Univ., **10**: 749 (*Prosimulium*). Type-locality: "Fuyushima stream, Mt. Apoi, Samani" (Hokkaido, Japan).—Distr.: Asia: Japan.
- arshanense** RUBZOV, 1956: Fauna USSR, **6**(6), Simuliidae, 2 Ed.: 262 (*Prosimulium*). Type-locality: rivulet near Arshan, Irkutsk district (USSR).—Distr.: USSR: ES.
- calabrum** RIVOSECCHI, 1966: Parassitologia, **8**(2): 85 (*Prosimulium*). Type-locality: "Altopiano della Sila" (Italy).—Distr.: Europe: I.
- candicans** RUBZOV, 1956: Fauna USSR, **6**(6), Simuliidae, 2 Ed.: 261 (*Prosimulium*). Type-locality: rivulet, affluent of Angara river, 10 km from its beginning (Baikal region, USSR).—Distr.: USSR: ES.
- conistylum** RUBZOV, 1961: 14. Simuliidae, Fliegen pal. Reg., **3**(4): 190, also l.c.: 1963: 388 (*Prosimulium*). Type-locality: rivulet near Yalta (Crimea, USSR).—Distr.: USSR: SET (Uk).
- crassitarse** (MACQUART, 1834): Hist. nat. Ins., Dipt., **1**: 173 (*Simulium*). Type-locality: "De la Sicile" (Italy).—Distr.: Europe: I.

- diminutum** RUBZOV, 1956: Fauna USSR, 6(6), Simuliidae, 2 Ed.: 237 (*Prosimulium*, as subsp. of *hirtipes* FRIES). Type-locality: Burdakovka river, 35 km from the beginning of Angara river (Baikal region, USSR).—Distr.: USSR: ES, FE.
- [**doveri** SOMMERMAN, 1961: Proc. ent. Soc. Wash., 63(4): 226 (*Prosimulium*). Type-locality: "Eklutna lake, . . . 40 miles northeast of Anchorage, Alaska".—Distr.: ?USSR: FE (Tshukotka); Nearctic Region (Alaska).]
- erythronotum** RUBZOV, 1956: Fauna USSR, 6(6), Simuliidae, 2 Ed.: 229 (*Prosimulium*). Type-locality: Bol. Berendzhi, valley of Teymey river, affluent of Lantar river (Khabarovsk territory, USSR).—Distr.: USSR: FE.
- [**esselbaughi** SOMMERMAN, 1964: Proc. ent. Soc. Wash., 66(3): 141 (*Prosimulium*). Type-locality: "Fort Richardson, Alaska".—Distr.: ?USSR: FE (Tshukotka); Nearctic Region (Alaska).]
- faurei** BERNARD, GRENIER et BAILLY-CHOUMARA, 1972: Cah. ORSTOM, ser. Ent. Med. Parasit., No. 10: 63 (*Prosimulium*). Type-locality: near Meknes, Plateau de Talerhza (Morocco).—Distr.: North Africa: Morocco.
- [**formosum** SHEWELL, 1959: Can. Ent., 91(11): 692 (*Prosimulium*). Type-locality: "Bowser, Vancouver Island, B.C." (Canada).—Distr.: ?USSR: FE (Tshukotka); Nearctic Region (Canada, Alaska).]
- [**frohnei** SOMMERMAN, 1958: Proc. ent. Soc. Wash., 60(5): 196 (*Prosimulium*). Type-locality: "Eklutna lake, Alaska".—Distr.: ?USSR: FE (Tshukotka); Nearctic Region (Alaska).]
- frontatum** TERTERJAN, 1956: Izv. Nauk armyan. SSR, 23(2): 87 (*Prosimulium*). Type-locality: sources on Aragats mount. (Armenia, USSR).—Distr.: USSR: TC (Arm, Az) [description published in November, 1956].
- stenopalpe* RUBZOV, 1956: Fauna USSR, 6(6), Simuliidae, 2 Ed.: 840 (*Prosimulium*). Type-locality: Artikskiy rayon (Armenia, USSR) [description published in December, 1956].
- fulvipes** EDWARDS, 1921: Ann. Mag. nat. Hist., (9) 7: 141 (*Simulium*, as var. of *rufipes* MEIGEN). Type-locality: "Bulgaria: Mt. Rila".—Distr.: Europe: BG, H, YU; Asia: Turkey.
- [**fulvithorax** SHEWELL, 1959: Can. Ent., 91(11): 694 (*Prosimulium*). Type-locality: "Bowser, Vancouver Island, B.C." (Canada).—Distr.: ?USSR: FE (Tshukotka); Nearctic Region (Canada, Alaska).]
- [**fulvum** (COQUILLET, 1902): Proc. U.S. natn. Mus., 25(1280): 96 (*Simulium*). Type-localities: "Bear Paw Mountains, Montana; . . . Custer County, Colorado; . . . Mount Cheam . . . Lowe Inlet . . . and Leggan, British Columbia; . . . Sitka . . . Virgin Bay . . . and Kukak Bay, Alaska".—Distr.: ?USSR: FE (Tshukotka); Nearctic Region (Canada, USA).]
- gigas** RUBZOV, 1956: Fauna USSR, 6(6), Simuliidae, 2 Ed.: 253 (*Prosimulium*). Type-locality: Balkarskiy Tsherek (Northern Caucasus, USSR).—Distr.: USSR: SET.
- goidanichi** RUBZOV, 1964: Memoire Soc. ent. ital., 43: 24 (*Prosimulium*). Type-locality: "dintorni di Torino, Leini" (Italy).—Distr.: Europe: I.

- hirtipes** (FRIES, 1824): Monogr. simuliarum sveciae, 1: 17 (*Simulia*). Type-locality: "Juckasjärvi, Lapponiae Tornensis" (Sweden).—Distr.: Europe: A, CS, D, DDR, E, F, GB, H, I, N, PL, R, S, SF; USSR: NET, CET, ?SET, TC, ES; Asia: ?Japan.
- hirtipes italicum** RIVOSECCHI, 1967: Parassitologia, 9(3): 195 (*Prosimulium*). Type-locality: "Val Staffora e Val Trebia" (Italy).—Distr.: Europe: I.
- intercalare** RUBZOV, 1956: Fauna USSR, 6(6), Simuliidae, 2 Ed.: 266 (*Prosimulium*). Type-locality: Tshitinskiy rayon, Zabaikalye (Transbaikalia, USSR).—Distr.: USSR: ES.
- irkutense** RUBZOV, 1956: Fauna USSR, 6(6), Simuliidae, 2 Ed.: 267 (*Prosimulium*). Type-locality: Mynd on Irkut river (Baikal region, USSR).—Distr.: USSR: ES, FE.
- irritans** RUBZOV, 1940: Fauna USSR, 6(6), Simuliidae, 1 Ed.: 529 (*Prosimulium*, as var. of *kamtshaticum* RUBZOV). Type-locality: Kamenushka river (Maritime territory, USSR).—Distr.: USSR: FE; Asia: China.
- isos** RUBZOV, 1956: Fauna USSR, 6(6), Simuliidae, 2 Ed.: 241 (*Prosimulium*). Type-locality: Okhotsk (Rezidentsiya) (Khabarovsk territory, USSR).—Distr.: USSR: FE.
- jacuticum** RUBZOV, 1973: Новые и малоизвестные виды фауны Сибири, 7: 122 (*Prosimulium*). Type-locality: Tiksi, 12 km S from Sevastyan lake (Yakutia, USSR).—Distr.: USSR: ES.
- jezonicum** (MATSUMURA, 1931): 6000 illustr. Ins. Jap. Emp.: 406 (*Simulium*). Type-locality: "Maruyama, Sapporo, Hokkaido" (Japan).—Distr.: Asia: Japan.  
*sapporoense* (SHIRAKI, 1935): Mem. Fac. Agric. Taihoku imp. Univ., 16(1): 8 (*Helodon*). Type-locality: "Sapporo" (Japan).
- kani** UEMOTO, ONISHI et ORII, 1973: Jap. J. sanit. Zool., 24(1): 36 (*Prosimulium*). Type-locality: "Himuro, Kita-Ku, Kyoto" (Japan).—Distr.: Asia: Japan.
- karibaense** ONO, 1980: Jap. J. sanit. Zool., 31(3): 181 (*Prosimulium*). Type-locality: "Assubu River, Hiyama-gun, Hokkaido" (Japan).—Distr.: Asia: Japan.
- kiotoense** SHIRAKI, 1935: Mem. Fac. Agric. Taihoku imp. Univ., 16(1): 6 (*Prosimulium*). Type-locality: "Kyoto" (Japan).—Distr.: Asia: Japan.
- kolymense** PATRUSHEVA, 1975: Таксономия и экология членистоногих Сибири, 9: 65 (*Prosimulium*). Type-locality: spring in environs of Ust-Srednekan, Upper Kolyma (USSR).—Distr.: USSR: FE (Northern part).
- latimucro** (ENDERLEIN, 1925): Zool. Anz., 62(9–10): 204 (*Hellichia*). Type-locality: "Savoyen, Lautaret" (France).—Distr.: Europe: A, CS, D, DDR, F, GB, I, N, R, S, SF, YU; USSR: NET, ?CET, ?SET.  
*inflatum* DAVIES, 1957: Proc. R. ent. Soc. Lond. (B), 26(1–2): 1 (*Prosimulium*). Type-locality: "Crowdundle Beck, Cross Fell, Cumberland" (Great Britain).
- luganicum** RUBZOV, 1956: Fauna USSR, 6(6), Simuliidae, 2 Ed.: 235 (*Prosimulium*, as subsp. of *hirtipes* FRIES). Type-localities: Tshyornaya river, . . . rivulet

near Lembolovo, . . . Luga [holotype label: Tshyornaya, Leningradskaya oblast] Leningrad district (USSR).—Distr.: Europe: D, N, PL, R, S, SF; USSR: NET, CET.

**macropygum** (LUNDSTRÖM, 1911): Acta Soc. Fauna Flora fenn., **34**: 20 (*Melusina*).

Type-locality: "Litse in der Nähe der Küste des Eismeereres" (Finland).—Distr.: Europe: N, S, SF; USSR: NET, ?WS, ?ES, ?FE.

*latifrons* (ENDERLEIN, 1925): Zool. Anz., **62**(9–10): 204 (*Hellichia*). Type-locality: "Norwegen".

**macropygum arcticum** RUBZOV et CARLSSON, 1965: Acta Univ. lund., **2**(18): 8

(*Prosimulium*). Type-locality: "Dudinka district, Taimyr" (USSR).—Distr.: USSR: ES.

**macropygum korshunovi** PATRUSHEVA, 1975: Parazitologiya, **9**(6): 507 (*Prosimulium*).

Type-locality: rivulet near railway station Kharp (Polar Ural, USSR).—Distr.: USSR: NET, WS.

**macropygum ventosum** RUBZOV, 1956: Fauna USSR, **6**(6), Simuliidae, 2 Ed.: 226

(*Prosimulium*). Type-locality: Spuskovaya river (Baikal region, USSR).—Distr.: USSR: ES.

**macropygum zaitzevi** RUBZOV, 1956: Fauna USSR, **6**(6), Simuliidae, 2 Ed.: 226

(*Prosimulium*). Type-locality: Pemal, Tobolsk, Tyumen district (USSR).—Distr.: USSR: WS.

**maruashvili** MATSCHAVARIANI, 1966: Akad. Nauk georg. SSR., Inst. Zool., **1**: 193

(*Prosimulium*). Type-locality: mountain rayons of Main Caucasus (USSR).—Distr.: USSR: TC (Ge).

[**neomacropygum** PETERSON, 1970: Mem. ent. Soc. Can., **69**: 134 (*Prosimulium*

(*Prosimulium*)). Type-locality: "Cape Thompson, Alaska".—Distr.: ?USSR: FE (Tshukotka); Nearctic Region (Alaska).]

**oligoaristatum** RUBZOV, 1971: Новые и малоизвестные виды фауны Сибири: 97

(*Prosimulium*). Type-locality: unnamed rivulet, affluent of Zorkul Lake, Southern Pamir (Tadjikistan, USSR).—Distr.: USSR: SMA (Tj).

**pecticrassum** RUBZOV, 1956: Fauna USSR, **6**(6), Simuliidae, 2 Ed.: 264 (*Prosimulium*).

Type-locality: rivulet Zhilishtshe (Baikal region, USSR).—Distr.: USSR: WS, ES.

**petrosum** RUBZOV, 1956: Fauna USSR, **6**(6), Simuliidae, 2 Ed.: 252 (*Prosimulium*).

Type-locality: Agsu river near Geygel lake (Azerbaijan, USSR).—Distr.: USSR: TC (Arm, Az).

**petrosum nigratum** RUBZOV, 1956: Fauna USSR, **6**(6), Simuliidae, 2 Ed.: 252

(*Prosimulium*). Type-locality: Krymskiy National Park (Crimea, USSR).—Distr.: USSR: SET (Uk).

**pronevitschae** RUBZOV, 1955: Trudy Inst. Zool., Baku, **18**: 109 (*Prosimulium*).

Type-locality: Gazel, Northern Osetia (Northern Caucasus, USSR).—Distr.: USSR: SET (Rs), TC (Arm, Az).

**rachiliense** DJAFAROV, 1954: Dokl. Akad. Nauk azerb. SSR, **10**(4): 285 (*Prosimulium*).

Type-locality: Barytlytshay river (Azerbaijan, USSR).—Distr.: Europe: R; USSR: TC (Arm, Az).



- rufipes** (MEIGEN, 1830): Syst. Besch., 6: 311 (*Simulia*). Type-locality: Germany ("Germany"—lectotype des. by CROSSKEY in ZWICK, 1974: Abh. senckenb. naturforsch. Ges., 533: 78).—Distr.: Europe: A, BG, CH, CS, D, DDR, F, I, PL, R, YU.
- gallii** (EDWARDS, 1921): Ann. Mag. nat. Hist., (9) 7: 141 (*Simulium* (*Prosimulium*, as subsp. of *rufipes*). Type-locality: "Jeseniky Mountain" Lac de Champex".
- aestivalis** KNOZ, 1963: Sb. faun Praci ent. Odd. nár. Mus. Praze, 9(81): 193 (*Prosimulium*, as subsp. of *rufipes*). Type-locality: "Jeseniky Mountain" (Czechoslovakia).
- fuscipes**: KNOZ, 1965: Folia Fac. Sci. Nat. Univ. Purk. Brun, 6(5): 20 (*Prosimulium*); misidentification.
- sarurense** ONO, 1976: Jap. J. sanit. Zool., 27(3): 217 (*Prosimulium*). Type-locality: "Saruru River, southern region of Hidaka range, Erimo, Hokkaido" (Japan).—Distr.: Asia: Japan.
- tomosvaryi** (ENDERLEIN, 1921): Sber. Ges. naturf. Freunde Berl., 1921: 215 (*Schönbaueria*). Type-locality: "Bulgarien, Tschiporovici im Balkan Gebirge (Stara Planina)".—Distr.: Europe: A, BG, CS, D, DDR, E, F, GB, H, I, P, R, S, YU; USSR: TC, ES.
- picipes** (STEPHENS, 1829): Syst. Cat. Brit. Ins., 2: 254 (*Simulium*). Type-locality: England (type-material lost).
- fuscipes** (VON ROSER, 1840): CorrespBl. württ. landw. Ver. Stuttg. (N. S.), 17(1): 52 (*Simulium*). Type-locality: not given (Württemberg).
- nigripes** ENDERLEIN, 1925: Zool. Anz., 62(9–10): 202 (*Prosimulium*). Type-localities: "Schlesien, . . . Freiburg, . . . England, . . . Pöbneck".
- pexifrons** ENDERLEIN, 1925: Zool. Anz., 62(9–10): 203 (*Prosimulium*). Type-locality: "Südkärnten" (Austria).
- balcanicum** ENDERLEIN, 1929: Sber. Ges. naturf. Freunde Berl., 1929: 224 (*Prosimulium*). Type-locality: "Bulgarian, Tschiporovizi im Balkan Gebirge (Stara Planina)".
- sibiricum** (ENDERLEIN, 1930): Arch. klassif. phylogen. Ent., 1(2): 91 (*Mallochella*). Type-locality: "Asiatisches Rußland, Sibirien, Provinz Jakutsk, Ajan-Melkan (Yakutia, USSR).
- canbalicum** (SMART, 1944): Proc. R. ent. Soc. Lond. (B), 13: 132 (*Simulium*, an unnecessary new name for *Prosimulium balcanicum* ENDERLEIN, 1929, cf. *Wilhelmia balcanica* ENDERLEIN, 1924: 285).
- pseudohirtipes** (SMART, 1944): Proc. R. ent. Soc. Lond. (B), 13: 133 (*Simulium*, an unnecessary new name for *Prosimulium nigripes* ENDERLEIN, 1925, cf. *Melusina nigripes* SANTOS ABREU, 1922: 30).
- arvernense** GRENIER, 1947: Bull. Soc. ent. Fr., 52: 66 (*Prosimulium*, as var. of *hirtipes* FRIES). Type-locality: Clermont-Ferrand (France) ("Clermont-Ferrand"—lectotype des. by DAVIES, 1966: Trans. R. ent. Soc. Lond., 118(14): 429).

- duodecimfiliatum* RUBZOV, 1955: Trudy Inst. Zool., Baku, **18**: 122 (*Prosimulium*). Type-locality: Delizhan, Armenia (USSR).
- [*travisi* STONE, 1952: Proc. ent. Soc. Wash., **54**(2): 76 (*Prosimulium*). Type-locality: "Anchorage, Alaska".—Distr.: ?USSR: FE (Tshukotka); Nearctic Region (Alaska).]
- tredecimfistulatum* RUBZOV, 1956: Fauna USSR, **6**(6), Simuliidae, 2 Ed.: 227 (*Prosimulium*). Type-locality: Sayany mounts, Biltshir river, affluent of the Sagan-Ugun river (Southern Siberia, USSR).—Distr.: USSR: WS, ES.
- tridentatum* RUBZOV, 1940: Fauna USSR, **6**(6), Simuliidae, 1 Ed.: 264 (*Prosimulium*, as subsp. of *hirtipes* FRIES). Type-locality: rivulet Zhilishtshe (Baikal region, USSR) [see: RUBZOV, 1956: 241].—Distr.: USSR: ES, FE (Kamchatka).
- ursinum* (EDWARDS, 1935): Ann. Mag. nat. Hist., (10) **15**: 535 (*Simulium* (*Prosimulium*)). Type-localities: "Salmon River and England River" (Bear Is., Norway).—Distr.: Europe: IS, N, S, SF; USSR: NET; Nearctic Region (Canada, Alaska).
- yezoense* SHIRAKI, 1935: Mem. Fac. Agric. Taihoku imp. Univ., **16**(1): 3 (*Prosimulium*). Type-locality: "Sapporo, Hokkaido" (Japan).—Distr.: Asia: Japan.
- yezoense alpium* OGATA, 1956: Jap. J. sanit. Zool., **7**(2): 103 (*Prosimulium*). Type-locality: "mountains on Nagano and Yamanasi Pref." (Japan).—Distr.: Asia: Japan.

### Helodon ENDERLEIN, 1921

ENDERLEIN, 1921: Dt. tierärztl. Wschr., **29**(16): 199.

Type-species: *Simulia ferruginea* WAHLBERG, 1844: Öfvers. K. VetenskAkad. Förh., **1**: 110 (orig. des.).

- albensis* (RIVOSECCHI, 1961): Riv. Parassit., **22**(3): 206 (*Prosimulium*). Type-locality: "fiume Liri-Caligliano, del quale fanno parte anche le aque del monti del Sirente e della Magnola, in Provincia dell'Aquila (Abruzzo)" (Italy).—Distr.: Europe: I.
- ferrugineus* (WAHLBERG, 1844): Öfvers. K. VetenskAkad. Förh., **1**: 110 (*Simulia*). Type-locality: "Sweden".—Distr.: Northern Europe; USSR: NET, CET, WS.
- laamii* (BEAUCOURNU-SAGUEZ et BAILLY-CHOUMARA, 1981): Ent. med. Parasitol., **19**(2): 113 (*Prosimulium* (*Prosimulium*)). Type-locality: "Nord du Jebel Tidighine, douar Asila, aux environs de Ketama . . . , Rif Central" (Morocco).—Distr.: North Africa: Morocco.
- rubicundus* RUBZOV, 1956: Fauna USSR, **6**(6), Simuliidae, 2 Ed.: 202 (*Helodon*). Type-locality: Slyudyanka river (Baikal region, USSR).—Distr.: USSR: ES, FE.

## Doubtful species

*borealis* (ZETTERSTEDT, 1840): Berätt. Naturh. Resa gen. Nordl. Skand: 514 (*Simulia*). Type-locality: Sweden.

*rufus* (MEIGEN, 1838): Syst. Besch., 7: 54 (*Simulia*). Type-locality: Europe: Fennoscandia [Type-material lost: see ZWICK and CROSSKEY, 1981: Aquat. Ins., 2(4)(1980): 242].

**Parahelodon** PETERSON, 1970

PETERSON, 1970: Mem. ent. Soc. Can., 69: 37 (as subgenus of *Prosimulium* ROUBAUD, 1906).

Type-species: *Simulium (Prosimulium) decemarticulatus* TWINN, 1936: Can. J. Res. (D), 14: 110 (orig. des.).

[*decemarticulatus* (TWINN, 1936): Can. J. Res. (D), 14: 110 (*Simulium (Prosimulium)*). Type-locality: "near Carlton Place, Ontario" (Canada).—Distr.: ?USSR: FE (Tshukotka); Nearctic Region (Canada, Alaska).]

[*gibsoni* (TWINN, 1936): Can. J. Res. (D), 14: 108 (*Simulium (Prosimulium)*). Type-locality: "near Carlton Place, Ontario" (Canada).—Distr.: ?USSR: FE (Tshukotka); Nearctic Region (Canada, Alaska).]

**Distosimulium** PETERSON, 1970

PETERSON, 1970: Mem. ent. Soc. Can., 69: 30 (as subgenus of *Prosimulium* ROUBAUD, 1906).

Type-species: *Prosimulium pleurale* MALLOCH, 1914: Tech. Ser. Bur. Ent. U. S. Dep. Agric., 26: 17 (orig. des.).

*daisetsense* (UEMOTO, OKAZAWA et ONISHI, 1976): Jap. J. sanit. Zool., 27(2): 97 (*Prosimulium (Distosimulium)*). Type-locality: "Kaunnai riv., Daisetsu mounts Natn. Park".—Distr.: Asia: Japan.

[*pleurale* (MALLOCH, 1914): Tech. Ser. Bur. Ent. U.S. Dep. Agric., 26: 17 (*Prosimulium*). Type-locality: "Kaslo, British Columbia" (Canada).—Distr.: ?USSR: FE (Tshukotka); Nearctic Region (USA, Canada, Alaska).]

**Urosimulium** CONTINI, 1963

CONTINI, 1963: Memorie Soc. ent. ital., 42: 89.

Type-species: *Urosimulium stefanii* CONTINI, 1963: l.c.: 89 (orig. des.) [= *aculeatum* (RIVOSECCHI, 1963)].

*aculeatum* (RIVOSECCHI, 1963): Riv. parassit., 24(2): 119 (*Prosimulium*). Type-locality: "dintorni di Palermo" (Italy).—Distr.: Europe: I; North Africa: Morocco, Algeria [description published in July, 1963].

- stefanii* CONTINI, 1963: Memorie Soc. ent. ital., **42**: 89 (*Urosimulium*). Type-locality: "Rio Ceddu" (Italy, Sardinia) [description published in November, 1963].
- juccii* CONTINI, 1966: Riv. Parassit., **27**(4): 272 (*Urosimulium*). Type-locality: "Rio Badde Niada, altopiano di Campeda, palude Sagapas" (Italy, Sardinia).—Distr.: Europe: I.

## Subfamily Simuliinae

Reference: NEWMAN, 1834: Ent. Mag., **2**: 387 (*Simulites*).

### *Stegopterna* ENDERLEIN, 1930

- ENDERLEIN, 1930: Arch. klassif. phylogen. Ent., **1**(2): 89.  
Type-species: *Stegopterna richteri* ENDERLEIN, 1930: l.c.: 90 (orig. des.).
- asema* RUBZOV, 1956: Fauna USSR, **6**(6), Simuliidae, 2 Ed.: 275 (*Stegopterna*). Type-locality: source Krivoy, valley of Ussuri river (Maritime territory, USSR).—Distr.: USSR: ES, FE.
- sibirica*: RUBZOV, 1940: Fauna USSR, **6**(6), Simuliidae, 1 Ed.: 309 (not *sibiricum* ENDERLEIN, 1930).
- decafilis* RUBZOV, 1971: Ent. Essays Commemor. Retir. Prof. Yasumatsu: 177 (*Stegopterna*, as subsp. of *sibirica* RUBZOV). Type-locality: rivulet Ldisty near Kular (Yakutia, USSR).—Distr.: USSR: ES, FE.
- duodecimata* (RUBZOV, 1940): Fauna USSR, **6**(6), Simuliidae, 1 Ed.: 310 (*Simulium* (*Stegopterna*)). Type-locality: Kharik river (Eastern Siberia, USSR).—Distr.: USSR: WS, ES, FE.
- [*emergens* (STONE, 1952): Proc. ent. Soc. Wash., **54**(2): 69 (*Cnephia*). Type-locality: "Fairbanks, Alaska".—Distr.: ?USSR: FE (Tshukotka); Nearctic Region (Alaska).]
- freyi* (ENDERLEIN, 1929): Wien. ent. Ztg, **46**(2): 73 (*Cnetha*). Type-locality: "Nordrußland, Murmanküste, Hochmoor bei Alexandrovsk" (Kolsky peninsula, USSR).—Distr.: Europe: ?F, ?R; USSR: NET.
- hamuligera* YANKOVSKY, 1977: Систематика и фаунистика насекомых 96 (*Stegopterna*). Type-locality: little source in valley of Gur river (Amur basin, USSR).—Distr.: USSR: FE.
- mutata* (MALLOCH, 1914): Tech. Ser. Bur. Ent. U.S. Dept. Agric., **26**: 20 (*Prosimulium*). Type-locality: "Glassboro, N. Y." (USA).—Distr.: Asia: Japan; Nearctic Region (USA, Canada).
- nukabirana* ONO, 1977: Jap. J. sanit. Zool., **28**(3): 257 (*Stegopterna*). Type-locality: "Nukabira, Kamishihoro, Hokkaido" (Japan).—Distr.: Asia: Japan.
- richteri* ENDERLEIN, 1930: Arch. klassif. phylogen. Ent., **1**(2): 90 (*Stegopterna*). Type-locality: "Nordrußland, Murmanküste, Hochmoor bei Ale-

- xandrovsk" (Kolsky peninsula, USSR).—Distr.: Europe: D, DDR, N, S, SF; USSR: NET, CET, SET, WS.
- richteri dentata** RUBZOV et CARLSSON, 1965: Acta Univ. lund., 2(18): 15 (*Stegopterna*). Type-locality: "Sverdlovsk-surrounding" (Ural, USSR).—Distr.: USSR: WS (Ural).
- richteri haematophaga** RUBZOV et CARLSSON, 1965: Acta Univ. lund., 2(18): 17 (*Stegopterna*). Type-locality: "Lysvensk-area" (Perm district, USSR).—Distr.: USSR: CET (Ural region).
- richteri longicoxa** RUBZOV, 1971: Ent. Essays Commemor. Retir. Prof. Yasumatsu: 172 (*Stegopterna*). Type-locality: Norilskiye mounts (Northern part of Krasnoyarsk territory, USSR).—Distr.: USSR: ES.
- richteri majalis** RUBZOV et CARLSSON, 1965: Acta Univ. lund., 2(18): 12 (*Stegopterna*). Type-locality: "riv. Sitenka", Leningrad district (USSR).—Distr.: Europe: S; USSR: NET, CET.
- tshukotensis** RUBZOV, 1971: Ent. Essays Commemor. Retir. Prof. Yasumatsu: 174 (*Stegopterna*). Type-locality: Krasnoarmeyskoye, Tshaunskiy rayon, Tshukotskiy Natn. Okrug (Tshukotka, USSR).—Distr.: USSR: FE (Tshukotka).

### **Greniera** DOBY et DAVID, 1959

- DOBY and DAVID, 1959: C. r. Acad. Sci. Paris, 249(5): 763.  
Type-species: *Greniera fabri* DOBY et DAVID, 1959: Bull. Soc. Path. exot., 52(5): 669 (orig. des.).
- brachiata** (RUBZOV, 1961): 14. Simuliidae, Fliegen pal. Reg., 3(4): 209 (*Stegopterna*). Type-locality: "Karelia" (USSR).—Distr.: USSR: NET.
- dogieli** (RUBZOV, 1956): Fauna USSR, 6(6), Simuliidae, 2 Ed.: 841 (*Stegopterna*). Type-localities: Pryazhinskiy rayon, Belomorskiy Rayon (Karelian ASSR, USSR) [paratype label: rivulet at 37 km by the way to Syamozero (Karelia)].—Distr.: USSR: NET, WS.
- fabri** DOBY et DAVID, 1959: Bull. Soc. Path. exot., 52(5): 669 (*Greniera*). Type-locality: "Nantes (Loire Atlantique)" (France).—Distr.: Europe: F, I, R.
- ivanovae** IVASCHENKO, 1970: Trudy Ivanovsk. gos. med. Inst., 46: 125 (*Greniera*). Type-localities: rivulet near Malinka, Anisimovo (Ivanovskiy rayon) and at Bobrakovo (Rodnikovskiy rayon), Ivanovo district (USSR).—Distr.: USSR: CET.
- nairica** TERTERJAN, 1972: Dokl. Akad. Nauk armyan. SSR, 54(5): 272 (*Greniera*). Type-locality: Artikskiy rayon, rivulet upward of Artik (Armenia, USSR).—Distr.: USSR: TC (Arm).
- poljakovae** PATRUSHEVA, 1977: Таксоны фауны Сибири: 54 (*Greniera*). Type-locality: marsh rivulet near Baktshar, Tomskaya oblast (Western Siberia, USSR).—Distr.: USSR: WS.

- rivi** IVASCHENKO, 1970: Trudy Ivanovsk. gos. med. Inst., **46**: 121 (*Greniera*). Type-localities: rivulet, affluent of Ukhtokhma river near Gomlyonki, and rivulet near Anisimovo, Ivanovo district (USSR).—Distr.: USSR: CET.
- sedecimfistulata** RUBZOV, 1963: 14. Simuliidae, Fliegen pal. Reg., **3(4)**: 592 (*Greniera*). Type-locality: "Bach in Puszcza Kalinowska in Isabelin bei Warschau" (Poland).—Distr.: Europe: PL, R.
- zverevae** RUBZOV, 1964: Izv. vses. geogr. Obshch., Komi Fil., **9**: 97 (*Greniera*). Type-locality: small river flowing out lake in Intinskiy rayon (Komi ASSR, USSR).—Distr.: USSR: NET.

### **Astega** ENDERLEIN, 1930

- ENDERLEIN, 1930: Arch. klassif. phylogen. Ent., **1(2)**: 88.  
Type-species: *Cnetha lapponica* ENDERLEIN, 1921: Sber. Ges. naturf. Freunde Berl., **1921**: 213 (orig. des.).
- arborescens** (RUBZOV, 1971): Ent. Essays Commemor. Retir. Prof. Yasumatsu: 169 (*Cnephia*). Type-locality: Taymyr, rivulet in valley of Popigay river, Taymyr peninsula (USSR).—Distr.: USSR: ES, FE.
- lanata** TAKAHASI, 1940: Insecta matsum., **15(1-2)**: 64 (*Astega*). Type-locality: "Aerhshan, Manchoukuo" (China).—Distr.: Asia: China.
- lapponica** (ENDERLEIN, 1921): Sber. Ges. naturf. Freunde Berl., **1921**: 213 (*Cnetha*). Type-locality: "Laplandia".—Distr.: Europe: N, S, SF; USSR: NET, CET, SET (Uk), ?WS, ?ES, ?FE.
- lyra** (LUNDSTRÖM, 1911): Acta Soc. Fauna Flora fenn., **34**: 17 (*Melusina*). Type-locality: "Karesuando, . . . Uleaborg" (Finland).—Distr.: Europe: N, S, SF; USSR: NET.

### **Helichiella** RIVOSECCHI et CARDINALI, 1975

- RIVOSECCHI and CARDINALI, 1975: Riv. Parassit., **36(1)**: 65.  
Type-species: *Eusimulium saccai* RIVOSECCHI, 1967: Riv. Parassit., **28(1)**: 63 (orig. des.).
- fallisi** (GOLINI, 1975): Ent. Scand., **6**: 233 (*Eusimulium*). Type-locality: "Rendalen" (Norway).—Distr.: Europe: N.
- rendalensis** (GOLINI, 1975): Ent. Scand., **6**: 229 (*Eusimulium*). Type-locality: "Rendalen" (Norway).—Distr.: Europe: N.
- saccai** (RIVOSECCHI, 1967): Riv. Parassit., **28(1)**: 63 (*Eusimulium*). Type-locality: "bosco del Circeo, Lazio" (Italy).—Distr.: Europe: I.

**Cnephia ENDERLEIN, 1921**

ENDERLEIN, 1921: Dt. tierärztl. Wschr., **29**(16): 199.

Type-species: *Simulium pecuarum* RILEY, 1887: Rep. Bur. Ent. U.S. Dept. Agric., **1886**: 493 (orig. des.); not Palaearctic.

**angarensis** RUBZOV, 1956: Fauna USSR, **6**(6), Simuliidae, 2 Ed.: 292 (*Cnephia*). Type-locality: Angara river (Eastern Siberia, USSR).—Distr.: USSR: ES.

**intermedia** RUBZOV, 1956: Fauna USSR, **6**(6), Simuliidae, 2 Ed.: 293 (*Cnephia*). Type-locality: Yeshanka river, Orenburg district (USSR).—Distr.: USSR: CET (Southern Ural).

**Metacnephia CROSSKEY, 1969**

CROSSKEY, 1969: Bull. Br. Mus. nat. Hist. (B), **14**: 26.

Type-species: *Cnephia saileri* STONE, 1952: Proc. ent. Soc. Wash., **54**(2): 82 (orig. des.); not Palaearctic.

**amphora** LADLE et BASS, 1975: Hydrobiologia, **47**(2): 194 (*Metacnephia*). Type-locality: "England, Dorset, Winterbourne Came, South Winterbourne".—Distr.: Europe: GB.

**aspinosa** RUBZOV, 1973: Новые и малоизвестные виды фауны Сибири, **7**: 124 (*Metacnephia*). Type-locality: surroundings of Ussuriysk (Maritime territory, USSR).—Distr.: USSR: FE.

**bilineata** (RUBZOV, 1940): Fauna USSR, **6**(6), Simuliidae, 1 Ed.: 326 (*Simulium* (*Astega*)). Type-locality: valley of Voykar river, (Northern Ural, USSR).—Distr.: USSR: NET, WS.

**blanci** (GRENIER et THEODORIDES, 1953): Archs Inst. Pasteur Maroc, **4**(6): 430 (*Cnephia*). Type-locality: "Qued Rdat, 13 km au Nord de Taddert (65 km environ à l'Est de Marrakech)" (Morocco).—Distr.: Europe: BG, E, F, I, R, YU; North Africa: Morocco.

**brevi** (RUBZOV, 1956): Fauna USSR, **6**(6), Simuliidae, 2 Ed.: 289 (*Cnephia*). Type-locality: Malozemelskaya Tundra, Arkhangelsk district (USSR).—Distr.: USSR: NET.

**crassifistula** (RUBZOV, 1956): Fauna USSR, **6**(6), Simuliidae, 2 Ed.: 304 (*Cnephia*). Type-locality: Altaian Natn. Park (Altay, USSR).—Distr.: Europe: ?R; USSR: WS, ES, FE.

**danubica** (RUBZOV, 1956): Fauna USSR, **6**(6), Simuliidae, 2 Ed.: 331 (*Cnephia*). Type-locality: Danube river.—Distr.: Europe: R, YU.

**edwardsiana** (RUBZOV, 1940): Fauna USSR, **6**(6), Simuliidae, 1 Ed.: 319 (*Simulium* (*Astega*)). Type-locality: river M. Iretj, East Siberia.—Distr.: USSR: WS, ES, FE.



- gorodkovi** (RUBZOV, 1964): 14. Simuliidae, Fliegen pal. Reg., 3(4): 593 (*Cnephia*). Type-locality: "Berg Mukor in der Umgebung von Tschetschekta, Rayon Murgab" (Pamir, USSR).—Distr.: USSR: SMA (Tj).
- hajotsdzorensis** (TERTERJAN, 1962): Dokl. Akad. Nauk armyan. SSR, 35(5): 233 (*Cnephia*). Type-locality: affluent of Yerer river (Gerger), Ayotsdzorskiy mount. range (Armenia, USSR).—Distr.: USSR: TC (Arm).
- kirjanovae** (RUBZOV, 1956): Fauna USSR, 6(6), Simuliidae, 2 Ed.: 302 (*Cnephia*). Type-locality: Sarymat river at Iskander-Kul (Tajikistan, USSR).—Distr.: USSR: SMA, WS (Altay), ES.
- korsakovi** (RUBZOV, 1956): Fauna USSR, 6(6): Simuliidae, 2 Ed.: 327 (*Cnephia*). Type-locality: surroundings of Vologda (USSR).—Distr.: USSR: NET, CET, WS.
- lesnei** (SÉGUY, 1925): Bull. Soc. ent. Fr., 1925: 107 (*Simulium*). Type-locality: "Pyrénées-Orientales: Mantet" (France).—Distr.: Europe: F.
- lyrata** (RUBZOV, 1956): Fauna USSR, 6(6), Simuliidae, 2 Ed.: 301 (*Cnephia*). Type-locality: 4 km downward of Daryino, between Kirensk and Vitim, Irkutsk district (USSR).—Distr.: USSR: ES.
- multifila** (RUBZOV, 1947): Izv. Akad. Nauk SSSR (ser. biol.), 1: 113 (*Eusimulium* (*Astega*)). Type-locality: Hissar mount. range, river Varzob tributaries (Tajikistan, USSR).—Distr.: USSR: SMA (Uz, Tj).
- nigra** (RUBZOV, 1940): Fauna USSR, 6(6), Simuliidae, 1 Ed.: 322 (*Simulium* (*Astega*)). Type-locality: Tyllak, on Gylantshay, Nakhichevan ASSR (Azerbaijan, USSR).—Distr.: Europe: R; USSR: TC.
- nigra saxicola** (RUBZOV, 1956): Fauna USSR, 6(6), Simuliidae, 2 Ed.: 320 (*Cnephia*). Type-locality: Kistyanka river (Northern Caucasus, USSR).—Distr.: USSR: SET (Caucasus).
- nuragica** RIVOSECCHI, RAASTAD et CONTINI, 1975: Riv. Parassit., 36(2-3): 215 (*Metacnephia*). Type-locality: "Rio Funtana Cannos e Monti Ferru" (Sardinia, Italy).—Distr.: Europe: I.
- pallipes** (FRIES, 1824): Monogr. simuliarum sveciae, 1: 18 (*Simulia*). Type-localities: "Alten et Kautokeino, Finmarchiae Norvegiae".—Distr.: Europe: N, S, SF; USSR: NET, WS, ?ES, ?FE.
- heymonsi* (ENDERLEIN, 1921): Sber. Ges. naturf. Freunde Berl., 1921: 213 (*Cnetha*). Type-localities: "Norwegen, Finnland".
- pamiriensis** PETROVA, 1977: Parazitologiya, 11(3): 210 (*Metacnephia*). Type-locality: Khorog, rivulet upward of Botanic Garden (Pamir, USSR).—Distr.: USSR: SMA (Tj).
- parapallipes** BOBROVA, 1980: Систематика и экология животных: 146 (*Metacnephia*). Type-locality: Mulinka river near Vysokogorny (Khabarovsk territory, USSR).—Distr.: USSR: FE.
- pectinata** PATRUSHEVA, 1976: Новые и малоизвестные виды фауны Сибири, 10: 162 (*Metacnephia*). Type-locality: Yamal peninsula, Shtshutshye, Yamal peninsula (USSR).—Distr.: USSR: WS, ES.

- pedipupalis** (RUBZOV, 1947): Izv. Akad. Nauk SSSR (ser. biol.), **1**: 113 (*Eusimulium* (*Astega*)). Type-locality: Kurgan river (Kazakhstan, USSR).—Distr.: USSR: KZ.
- persica** (RUBZOV, 1940): Fauna USSR, **6**(6), Simuliidae, 1 Ed.: 325 (*Simulium* (*Astega*)). Type-locality: Iran: Tavriz.—Distr.: USSR: KZ, SMA; Asia: Iran.
- persica hirta** (RUBZOV et TERTERJAN, 1954): Dokl. Akad. Nauk armyan. SSR, **19**(1): 29 (*Cnephia*, as *hirta*). Type-locality: small rivulet at Martiros, Arpa river (Armenia, USSR).—Distr.: Europe: R; USSR: TC.
- ramificata** (RUBZOV, 1956): Fauna USSR, **6**(6), Simuliidae, 2 Ed.: 304 (*Cnephia*). Type-locality: Bulgin river (Khabarovsk territory, USSR).—Distr.: Europe: ?R; USSR: FE; Asia: Mongolia.
- sardoa** (RIVOCCHI et CONTINI, 1965): Parassitologia, **7**(2–3): 75 (*Cnephia*). Type-locality: “Riu Mannu di Simaxis (affluente di sinistra del Tirso)” (Sardinia, Italy).—Distr.: Europe: I.
- sedecimfistulata** RUBZOV, 1976: Trudy Inst. Zool., Alma-Ata, **36**: 9 (*Metacnephia*). Type-locality: Canyon Ortamerke, Kegenskiy rayon, Alma-Atinskaya oblast (Kazakhstan, USSR).—Distr.: USSR: KZ.
- slepjani** (RUBZOV, 1967): Ent. Obozr., **46**(3): 743 (*Cnephia*). Type-locality: 6 km NW from Kara-Kala (Turkmen SSR).—Distr.: USSR: SMA (Tu).
- sorkulensis** RUBZOV, 1971: Новые и малоизвестные виды фауны Сибири: 97 (*Metacnephia*). Type-locality: Pamir, rivulet, affluent of Zorkul lake at Afghanistan boundary (Pamir, USSR).—Distr.: USSR: SMA (Tj).
- subalpina** (RUBZOV, 1956): Fauna USSR, **6**(6), Simuliidae, 2 Ed.: 319 (*Cnetha*, as subsp. of *nigra* RUBZOV). Type-locality: Agsu river (Azerbaijan, USSR).—Distr.: USSR: TC (Arm, Az); Asia: Turkey.
- tabescentifrons** (ENDERLEIN, 1929): Wien. ent. Ztg, **46**(2): 78 (*Astega*). Type-locality: “Storbakken, Lappland”.—Distr.: Europe: N, S, SF; USSR: NET, WS (Northern part).
- brevis* (RUBZOV, 1956): Fauna USSR, **6**(6), Simuliidae, 2 Ed.: 328 (*Cnephia*). Type-locality: valley of the Sobj river (Northern Ural, USSR).
- taimyrica** PATRUSHEVA, 1976: Новые и малоизвестные виды фауны Сибири: 165 (*Metacnephia*). Type-locality: Pyasina river (Taymyr peninsula, USSR).—Distr.: USSR: ES.
- terterjani** (RUBZOV, 1955): Trudy Inst. Zool., Baku, **18**: 113 (*Cnephia*). Type-locality: small river near Megrishen (Armenia, USSR).—Distr.: USSR: TC.
- tetraginata** (RUBZOV, 1951): Trudy zool. Inst., Leningr., **9**: 751 (*Eusimulium* (*Astega*)). Type-locality: Kushtanga river at Karagatshli railway station, surroundings of Kara-Kala, Kopet-Dag mounts (Turkmen SSR).—Distr.: USSR: KZ, SMA (Tu, Tj), ?WS, ?ES, ?FE.
- tredecimata** (EDWARDS, 1920): Bull. ent. Res., **11**: 246 (*Simulium*). Type-locality: “from the stomach of a trout, England”.—Distr.: Europe: A, F, GB, I, N, R, S; USSR: NET, CET, SET; North Africa.

- trigonia** (LUNDSTRÖM, 1911): Acta Soc. Fauna Flora fenn., **34**: 18 (*Melusina*). Type-localities: "Kittilä, Mieliänvaara, . . . Leppävirta" (Finland).—Distr.: Europe: R, S, SF; USSR: NET, WS, ES.
- trispina** (RUBZOV, 1973): Новые и малоизвестные виды фауны Сибири, **7**: 123 (*Eusimulium*). Type-locality: surrounding of Ussuriyskaya mount. taiga Station (Maritime territory, USSR).—Distr.: USSR: FE.
- variafilis** RUBZOV, 1976: Ent. Obozr., **55**(1): 210 (*Metacnephia*). Type-locality: surroundings of Tshetshekta (Pamir, USSR).—Distr.: USSR: SMA (Tj).

### **Sulcicnephia** RUBZOV, 1971

- RUBZOV, 1971: Annls hist.-nat. Mus. natn. hung., **63**: 263.  
Type-species: *Simulium* (*Astega*) *ovtshinnikovi* RUBZOV, 1940: Fauna USSR, **6**(6), Simuliidae, 1 Ed.: 323 (orig. des.).
- alichurensis** (RUBZOV, 1967): Ent. Obozr., **46**(3): 737 (*Cnephia*). Type-locality: surroundings of Alitshur (Pamir, USSR).—Distr.: USSR: SMA (Tj).
- argylacea** (RUBZOV, 1947): Izv. Akad. Nauk SSSR (ser. biol.), **1**: 113 (*Cnephia*). Type-locality: "Kuliab" (Tajikistan, USSR).—Distr.: USSR: KZ, SMA.
- derzhavini** (RUBZOV, 1940): Fauna USSR, **6**(6), Simuliidae, 1 Ed.: 342 (*Simulium* (*Eusimulium*)). Type-locality: Klyutshevskoye, Kamchatka (USSR).—Distr.: USSR: FE (Kamchatka).
- filidistans** (RUBZOV, 1947): Izv. Akad. Nauk SSSR (ser. biol.), **1**: 113 (*Eusimulium* (*Astega*)). Type-locality: river Lutshob near Stalinabad [= Dushanbe] (Tajikistan, USSR).—Distr.: USSR: SMA (Tj).
- jankovskiae** (RUBZOV, 1956): Fauna USSR, **6**(6), Simuliidae, 2 Ed.: 342 (*Cnephia*). Type-locality: Yassy river, near confluence with Kara-Tyube river (Kirgizia, USSR).—Distr.: USSR: SMA (Ki).
- jeholensis** (TAKAHASI, 1942): Insecta matsum., **16**: 37 (*Nevermannia*). Type-locality: Jehol, Manchuria (China).—Distr.: Asia: China.
- lobashovi** RUBZOV, 1976: Ent. Obozr., **55**(1): 211 (*Sulcicnephia*). Type-locality: Yagnob river (Tajikistan, USSR).—Distr.: USSR: SMA (Tj).
- octodecimfiliata** (RUBZOV et VILOVITSH, 1965): Мошки Тувы: 36 (*Cnephia*). Type-localities: Erzin river, . . . Kemtshik river, . . . valley of Yenisei river near Bayan-Kol, . . . surrounding of Kyzyl-Mozhalyk, . . . Shevelig-Khem river [holotype label: Erzin river, Tuva] (Tuva ASSR, USSR).—Distr.: USSR: WS.
- ovtshinnikovi** (RUBZOV, 1940): Fauna USSR, **6**(6), Simuliidae, 1 Ed.: 323 (*Simulium* (*Astega*)). Type-locality: Kazakhstan, river Tshu (USSR).—Distr.: USSR: KZ, SMA (Tj, Ki), WS, ?ES.
- pandjensis** (RUBZOV, 1967): Ent. Obozr., **46**(3): 741 (*Cnephia*). Type-locality: 10 km SE of Ishkashim (Southern Pamir, USSR).—Distr.: USSR: SMA (Tj).

- petrovae** RUBZOV, 1976: Ent. Obozr., **55**(1): 213 (*Sulcinephía*). Type-locality: Aryk near Shakh-Dara (Pamir, USSR).—Distr.: USSR: SMA (Tj).
- stegostyla** (RUBZOV, 1961): 14. Simuliidae, Fliegen pal. Reg., **3**(4): 247 (*Cnephia*). Type-locality: "Asia Centr." [holotype label: Anat. river, Dzhungarian Alatau] (Kazakhstan, USSR).—Distr.: KZ, SMA, WS.
- sulcata** (RUBZOV, 1956): Fauna USSR, **6**(6), Simuliidae, 2 Ed.: 339 (*Cnephia*). Type-locality: Kondara Canyon (Tajikistan, USSR).—Distr.: USSR: SMA (Tj).
- syrdarjensis** RUBZOV, 1978: Ent. Obozr., **57**(3): 666 (*Sulcinephía*). Type-locality: coast of Syr-Darya river near Kzyl-Orda (Kazakhstan, USSR).—Distr.: USSR: KZ.
- tungus** (RUBZOV, 1956): Fauna USSR, **6**(6), Simuliidae, 2 Ed.: 344 (*Cnephia*). Type-locality: Lower Tunguska river, Yenisei river, Basin (USSR).—Distr.: USSR: ES; Asia: Mongolia.
- undecimata** (RUBZOV, 1951): Trudy zool. Inst., Leningr., **9**: 759 (*Eusimulium* (*Astega*)). Type-locality: Badam near Tshimkent (Uzbekistan, USSR).—Distr.: USSR: KZ, SMA.
- vitalii** (RUBZOV, 1967): Ent. Obozr., **46**(3): 739 (*Cnephia*). Type-locality: coast of Pyandzh river (Southern Pamir, USSR).—Distr.: USSR: SMA (Tj).
- znojko** (RUBZOV, 1940): Fauna USSR, **6**(6), Simuliidae, 1 Ed.: 359 (*Simulium* (*Nevermannia*)). Type-locality: Nakhichevan, Transcaucasia (Azerbaijan, USSR).—Distr.: USSR: TC (Arm, Az).

### **Boreosimulium** RUBZOV et YANKOVSKY, 1982

RUBZOV and YANKOVSKY, 1982: Ent. Obozr., **61**(1): 183.

Type-species: *Melusina annulum* LUNDSTRÖM, 1911: Acta Soc. Fauna Flora fenn., **34**: 17 (orig. des.).

*Hellichia*: RUBZOV, 1956: Fauna USSR, **6**(6), Simuliidae, 2 Ed.: 347 (not *Hellichia* ENDERLEIN, 1925).

- acutum** (PATRUSHEVA, 1971): Новые и малоизвестные виды фауны Сибири, **5**: 85 (*Eusimulium*). Type-locality: rivulet in the hills of Sopkay, basin of Shtshutshya river, Yamal peninsula (USSR).—Distr.: USSR: WS.
- annuliforme** (RUBZOV, 1962): 14. Simuliidae, Fliegen pal. Reg., **3**(4): 277 (*Eusimulium*). Type-locality: "Europa sept." [holotype label: Bol.Vudyavr, Khibin mounts] Kolsky peninsula (USSR).—Distr.: USSR: NET.
- annulum** (LUNDSTRÖM, 1911): Acta Soc. Fauna Flora fenn., **34**: 17 (*Melusina*). Type-locality: "Muonio, Kittila" (Finland).—Distr.: Europe: S, SF; USSR: NET, CET.
- arctium** (RUBZOV, 1956): Fauna USSR, **6**(6), Simuliidae, 2 Ed.: 359 (*Hellichia*). Type-locality: Khibiny mounts, Kolsky peninsula (USSR).—Distr.: USSR: NET, WS.

- baffinense** (TWINN, 1936): Can. J. Res., **14**: 121 (*Simulium* (*Eusimulium*)). Type-locality: "Lake Harbour, Baffin Is." (Canada).—Distr.: Europe: N, S; USSR: NET, WS, ES, FE; Nearctic Region (Canada, Alaska).
- crassum** (RUBZOV, 1956): Fauna USSR, **6**(6), Simuliidae, 2 Ed.: 355 (*Hellichia*). Type-locality: Kyagra river near Sumeritshi railway station (Karelia, USSR).—Distr.: USSR: NET, WS.
- kariyai** (TAKAHASI, 1940): Insecta matsum., **15**(1–2): 64 (*Hellichia*). Type-locality: "Koshurei, Manchoukuo" (China).—Distr.: Asia: China.
- olonicum** (USSOVA, 1961): Фауна мошек Карелии и Мурманской Области: 87 (*Eusimulium*). Type-locality: Olonka river (Karelia, USSR).—Distr.: USSR: NET.
- subexcisum** (EDWARDS, 1915): Bull. ent. Res., **6**: 41 (*Simulium*). Type-locality: "Growborough, Sussex" (Great Britain).—Distr.: Europe: F, GB, R; USSR: CET. [CROSSKEY and DAVIES (1972) considered *Simulium subexcisum* EDWARDS, as a junior synonym of *Atractocera latipes* MEIGEN, 1804 (see under *Cnetha*), but we do not accept this proposal].
- tsheburovae** (RUBZOV, 1956): Fauna USSR, **6**(6), Simuliidae, 2 Ed.: 361 (*Hellichia*). Type-locality: Vudyavr lake basin, Kolsky peninsula, Khibiny mounts (USSR).—Distr.: USSR: NET.
- yerburyi** (EDWARDS, 1920): Bull. ent. Res., **11**: 245 (*Simulium*). Type-localities: "Knebworth Wood, Herts., . . . Nethy Bridge . . . and Narin" (Great Britain).—Distr.: Europe: GB; ?USSR: NET, WS.

### Byssodon ENDERLEIN, 1925

ENDERLEIN, 1925: Zool. Anz., **62**(9–10): 209.

Type-species: *Simulium forbesi* MALLOCH, 1914: Tech. Ser. Bur. Ent. U.S. Dept. Agric., **26**: 50 (orig. des.) [= *Simulium meridionale* RILEY, 1887]; not Palaearctic.

*Titanopteryx* ENDERLEIN, 1935: Sber. Ges. naturf. Freunde Berl., **1935**: 360. Type-species: *Atractocera maculata* MEIGEN, 1804: Klass. Beschr., **1**: 95 (orig. des.).

*Echinosimulium* BARANOV, 1938: Vet. Arch. Zagreb, **8**: 317. Type-species: *Echinosimulium echinatum* BARANOV, 1938: l.c.: 313 (orig. des.) [= *maculatus echinatus* BARANOV, 1938].

**heptapotamicus** (RUBZOV, 1940): Fauna USSR, **6**(6), Simuliidae, 1 Ed.: 354 (*Eusimulium* (*Nevermannia*)). Type-locality: Utsh-Tobe, near lake Balkhash (Kazakhstan, USSR).—Distr.: USSR: TC (Az), KZ, SMA; Asia: Iran.

**irakae** (SMART, 1944): Proc. R. ent. Soc. Lond. (B), **13**: 133 (*Simulium*, as new name for *S. bipunctatum* AUSTEN, 1923, a junior primary homonym of *S. bipunctatum* MALLOCH, 1912: 650).—Distr.: Asia: Iraq, Palestine.

- bipunctatum* (AUSTEN, 1923): Bull. ent. Res., **13**: 275 (*Simulium*). Type-locality: "Mesopotamia".
- buxtoni* (AUSTEN, 1923): Bull. ent. Res., **13**: 275 (*Simulium*, as var. of *bipunctatum* AUSTEN, 1923). Type-locality: "Palestine".
- koidzumii** (TAKAHASI, 1940): Insecta matsum., **15**(1-2): 67 (*Titanopteryx*). Type-locality: "Hailar, Manchoukuo" (China).—Distr.: USSR: FE (Southern part); Asia: Mongolia, China.
- gutsevitshi* YANKOVSKY, 1978: Ent. Obozr., **57**(1): 175 (*Byssodon*). Type-locality: Babstovo, Jewish aut. oblast (USSR).
- maculatus** (MEIGEN, 1804): Klass. Beschr., **1**: 95 (*Atractocera*). Type-locality: Germany.—Distr.: Europe; USSR: NET, CET, SET. ("Germany: ?Stolberg area, . . . near ponds and ditches"—lectotype des. by ZWICK and CROSSKEY, 1981: Aquat. Ins., **2**(4)(1980): 230).
- pungens* (MEIGEN in PANZER, 1806): Fauna insect. germ., Fasc. **105**: 8 (*Atractocera*). Type-locality: Germany ("Germany: ?Stolberg area"—lectotype des. by ZWICK and CROSSKEY, 1981: Aquat. Ins., **2**(4)(1980): 233).
- subfasciatus* (MEIGEN, 1838): Syst. Beschr., **7**: 54 (*Simulia*). Type-locality: Germany: Stolberg [type-material lost: see ZWICK and CROSSKEY, 1981: Aquat. Ins., **2**(4)(1980): 244].
- maculatus echinatus** (BARANOV, 1938): Vet. Arch. Zagreb, **8**: 313 (*Echinosimulium*, as *echinatum*). Type-locality: "Yugoslavia: R. Danube".—Distr.: Europe: YU. [Type material probably lost: see CROSSKEY and PETERSON, 1972: Bull. Br. Mus. nat. Hist. (B), **27**(3): 196].
- danubiensis* (RUBZOV, 1956): Fauna USSR, **6**(6), Simuliidae, 2 Ed.: 371 (*Titanopteryx*, as subsp. of *maculatus* MEIGEN). Type-locality: Danube.
- maculatus lenae** (RUBZOV, 1956): Fauna USSR, **6**(6), Simuliidae, 2 Ed.: 373 (*Titanopteryx*). Type-locality: Lena river Basin (Yakutia, USSR).—Distr.: USSR: ES.
- maculatus uralensis** (RUBZOV, 1956): Fauna USSR, **6**(6), Simuliidae, 2 Ed.: 371 (*Titanopteryx*). Type-locality: Ural river (West Kazakhstan, USSR).—Distr.: USSR: CET, KZ (Western part).
- maculatus ussuriensis** (RUBZOV, 1940): Fauna USSR, **6**(6), Simuliidae, 1 Ed.: 353 (*Simulium* (*Nevermannia*)). Type-locality: Ussuri region: De Castri Bay (Khabarovsk territory, USSR).—Distr.: USSR: ES, FE (Amur river Basin).
- pseudonearcticus** (RUBZOV, 1940): Fauna USSR, **6**(6), Simuliidae, 1 Ed.: 353 (*Simulium* (*Nevermannia*)). Type-locality: river Velovka, tributary of river Kamchatka (USSR).—Distr.: USSR: FE (Kamchatka).
- vigintiquaterni** (ENDERLEIN, 1929): Sber. Ges. naturf. Freunde Berl., **1929**: 222 (*Prosimulium*). Type-locality: "Güntersberg an der Oder, Brandenburg" [DDR].—Distr.: Europe: CS, D, DDR, R.

**Psilocnetha** ENDERLEIN, 1935

ENDERLEIN, 1935: Sber. Ges. naturf. Freunde Berl., **1935**: 359.

Type-species: *Psilocnetha scapulata* ENDERLEIN, 1935: l.c.: 359 (orig. des.) [= *griseicollis* (BECKER, 1903)].

*Gibbinsiellum* RUBZOV, 1962: Zool. Zh., **41**(10): 1493. Type-species: *Simulium griseicolle* BECKER, 1903: Mitt. zool. Mus. Berl., **2**(3): 78 (orig. des.).

Reference: RUBZOV, 1984: Ent. Obozr., **63**(1): 187.

**griseicollis** (BECKER, 1903): Mitt. zool. Mus. Berl., **2**(3): 78 (*Simulium*). Type-locality: "Aswan, Upper Egypt" ["Egypt"—lectotype des. by CROSSKEY, 1964: Ann. Mag. nat. Hist., (13) **7**: 668].—Distr.: Southern Europe; North Africa; Afrotropical Region.

*scapulata* ENDERLEIN, 1935: Sber. Ges. naturf. Freunde Berl., **1935**: 359 (*Psilocnetha*). Type-locality: "Ober-Aegypten".

**Rubzovia** PETROVA, 1983

PETROVA, 1983: Zool. Zh., **62**(12): 1912.

Type-species: *Simulium (Simulium) lamachi* DOBY et DAVID, 1960: Vie Milieu, **11**(1): 106 (orig. des.).

**lamachi** (DOBY et DAVID, 1960): Vie Milieu, **11**(1): 106 (*Simulium (Simulium)*). Type-locality: Pyrénées-Orientales, near Olette (France).—Distr.: Europe: E, F, I.

**vantshi** PETROVA, 1983: Zool. Zh., **62**(12): 1912 (*Rubzovia*). Type-locality: Vantsh Canyon, mountain stream, . . . left tributary of Vantsh river, 7–10 km from Medvezhy Glacier (West Pamir, USSR).—Distr.: USSR: SMA (Tj).

**Gomphostilbia** ENDERLEIN, 1921

ENDERLEIN, 1921: Dt. tierärztl. Wschr., **29**(16): 199.

Type-species: *Gomphostilbia ceylonica* ENDERLEIN, 1921: l.c. 199 (orig. des.); not Palaearctic.

*Nipponosimulium* SHOGAKI, 1956: Zool. Mag., Tokyo, **65**(7): 276 (as subgenus of *Simulium* LATREILLE, 1802). Type-species: "*species J-4*" BENTINCK, 1955: 406 Med. Gen. Lab.: 7 (orig. des.) [= *shogakii* RUBZOV, 1962].

**batoensis** (EDWARDS, 1934): Arch. Hydrobiol. Suppl. 13, **5**: 124 (*Simulium*). Type-locality: "Java, Batoe near Malang".—Distr.: Asia: Japan; Indonesia.

- lepnevae** (RUBZOV, 1956): Fauna USSR, **6**(6), Simuliidae, 2 Ed.: 422 (*Eusimulium*). Type-locality: Zangi-Zad Canyon, Dushambinka river (Tajikistan, USSR).—Distr.: USSR: SMA (Tj).
- metatarsalis** (BRUNETTI, 1911): Rec. Indian Mus., **4**: 283 (*Simulium*). Type-locality: "Kurseong" (Himalaya, India).—Distr.: Asia: Japan; India.
- mie** (OGATA et SASA, 1954): Jap. J. exp. Med., **24**: 327 (*Simulium* (*Eusimulium*)). Type-locality: "Mt. Takao, near Tokyo" (Japan).—Distr.: Asia: Japan.
- [nepalensis** (LEWIS, 1964): Bull. Br. Mus. nat. Hist. (B), **15**: 291 (*Simulium*). Type-locality: "Taplejung district, . . . Sangu" (Nepal).—Distr.: USSR: ?SMA; Nepal, ?India (Himalaya).]
- ogatai** (RUBZOV, 1962): 14. Simuliidae, Fliegen pal. Reg., **3**(4): 305 (*Eusimulium*). Type-locality: "Japonia".—Distr.: Asia: Japan.
- okinawensis** (TAKAOKA, 1976): Jap. J. saint. Zool., **27**(4): 385 (*Simulium* (*Gomphostilbia*)). Type-locality: "Nago, Okinawa Is." (Japan).—Distr.: Asia: Japan.
- omutaensis** (OGATA et SASA, 1954): Jap. J. exp. Med., **24**: 328 (*Simulium* (*Nevermannia*)). Type-locality: "Omuta-City, Fukuoka pref." (Japan).—Distr.: Asia: Japan.
- sasai** (RUBZOV, 1962): 14. Simuliidae, Fliegen pal. Reg., **3**(4): 311 (*Eusimulium*). Type-locality: "Japonia".—Distr.: Asia: Japan.
- shogakii** (RUBZOV, 1962): 14. Simuliidae, Fliegen pal. Reg., **3**(4): 305 (*Eusimulium*). Type-locality: "Japonia".—Distr.: USSR: FE (Southern part); Asia: Japan.
- tokarensis** (TAKAOKA, 1973): Jap. J. sanit. Zool., **23**(3): 201 (*Simulium* (*Gomphostilbia*)). Type-locality: "Yoriki, Nakanoshima Is." (Japan).—Distr.: Asia: Japan.
- yamayaensis** (OGATA et SASA, 1954): Jap. J. exp. Med., **24**: 326 (*Simulium* (*Eusimulium*)). Type-locality: "Shichinohe-machi, Kamikita-gun, Aomori pref." (Japan).—Distr.: Asia: Japan.

### Parabyssodon RUBZOV, 1964

RUBZOV, 1964: 14. Simuliidae, Fliegen pal. Reg., **3**(4): 623.

Type-species: *Simulium* (*Byssodon*) *transiens* RUBZOV, 1940: Fauna USSR, **6**(6), Simuliidae, 1 Ed.: 361 (orig. des.).

*Byssodon*: RUBZOV, 1956: Fauna USSR, **6**(6), Simuliidae, 2 Ed.: 594 (not *Byssodon* ENDERLEIN, 1925).

**transiens** (RUBZOV, 1940): Fauna USSR, **6**(6), Simuliidae, 1 Ed.: 361 (*Simulium* (*Byssodon*)). Type-localities: East Siberia: river Belaya, Kaya and others, . . . Yakutsk (USSR) [holotype label: Belaya river, East Siberia].—Distr.: USSR: NET, CET, WS, ES, FE; Asia: Mongolia, China.



**Morops** ENDERLEIN, 1930

ENDERLEIN, 1930: Arch. klassif. phylogen. Ent., **1**(2): 93.

Type-species: *Wilhelmia pygmaea* ENDERLEIN, 1922: Konowia, **1**(1-2): 70 (orig. des.) [= *Simulium wilhelmlandae* SMART, 1944]; not Palaearctic.

**yonakuniense** (TAKAOKA, 1972): J. med. Entomol., **9**(6): 521 (*Simulium* (*Morops*)).

Type-locality: "a stream of Sonai, Yonakunu Is." (Japan).—Distr.: Asia: Japan.

**Montisimulium** RUBZOV, 1974

RUBZOV, 1974: Trudy zool. Inst., Leningr., **53**: 275.

Type-species: *Simulium shevyakovi* DOROGOSTAJSKY, RUBZOV et VLASENKO, 1935: Parazit. Sb. zool. Inst. Moskva, **5**: 173 (orig. des.).

**alpinum** (RUBZOV, 1947): Izv. Akad. Nauk SSSR (ser. biol.), **1**: 113 (*Simulium* (*Eusimulium*)). Type-locality: river Djabatcha, snow stream (Kirgizia, USSR).—Distr.: USSR: SMA.

**arpiense** (TERTERJAN et KACHVORIAN, 1982): Dokl. Akad. Nauk armyan. SSR, **74**(3): 134 (*Eusimulium*). Type-locality: source in Saragyukh, Gukasyan rayon (Armenia, USSR).—Distr.: USSR: TC.

**assadovi** (DJAFAROV, 1956): Dokl. Akad. Nauk. azerb. SSR, **12**(1): 31 (*Eusimulium*). Type-locality: sources, tributaries of Durudzha-Tshay river, Durudzha (Azerbaijan, USSR).—Distr.: USSR: TC (Az).

**asulcatum** (RUBZOV, 1956): Fauna USSR, **6**(6), Simuliidae, 2 Ed.: 405 (*Eusimulium*). Type-locality: Myn-Bulak, Karzhantau mount. range, Tshimkent district (Kazakhstan, USSR).—Distr.: USSR: KZ.

**brachystylum** (RUBZOV, 1976): Ent. Obozr., **55**(1): 214 (*Eusimulium*). Type-locality: Chechektinka river (Eastern Pamir, USSR).—Distr.: USSR: SMA (Tj).

**brevicorne** (RUBZOV, 1964): 14. Simuliidae, Fliegen pal. Reg., **3**(4): 596 (*Eusimulium*). Type-locality: "Fluß Dschilanda, Ostpamir" (USSR).—Distr.: USSR: SMA: (Tj).

[**bulbosum** (LEWIS, 1973): Bull. ent. Res., **62**(3): 453 (*Simulium* (*Eusimulium*)). Type-locality: "Pakistan: Kalam".—Distr.: USSR: ?SMA; Asia: ?Afghanistan; Pakistan.]

**decafilis** RUBZOV, 1976: Trudy Inst. Zool., Alma-Ata, **36**: 14 (*Montisimulium*). Type-locality: Ortamerke Canyon, Kegensky rayon, Alma-Ata district (Kazakhstan, USSR).—Distr.: USSR: KZ.

**decimfiliatum** (RUBZOV, 1956): Fauna USSR, **6**(6), Simuliidae, 2 Ed.: 474 (*Eusimulium*). Type-locality: rivulets near Tshitty-Beit Pass (Uzbekistan, USSR).—Distr.: USSR: SMA (Uz).

**djebaglense** (RUBZOV, 1956): Fauna USSR, **6**(6), Simuliidae, 2 Ed.: 421 (*Eusimulium*). Type-locality: Dzhebagly river (Kirgizia, USSR).—Distr.: USSR: SMA (Ki).

- duodecimcornutum** (RUBZOV, 1956): Fauna USSR, **6**(6), Simuliidae, 2 Ed.: 403 (*Eusimulium*, as new name for *E. montium duodecimatatum* RUBZOV, 1951, and homonym of *Simulium* (*Stenopterna*) *duodecimatatum* RUBZOV, 1940: 310).—Distr.: USSR: SMA (Tj).
- duodecimatatum* (RUBZOV, 1951): Trudy zool. Inst., Leningr., **9**: 764 (*Eusimulium*, as subsp. of *montium* RUBZOV). Type-locality: Canyon of Varzob river, tributary of Mazor-Darya river (Tajikistan, USSR).
- gviletense** (RUBZOV, 1951): Trudy zool. Inst., Leningr., **9**: 764 (*Eusimulium*). Type-locality: Gviletka river (Northern Caucasus, USSR).—Distr.: USSR: SET, TC.
- gviletense alizadei** (DJAFAROV, 1954): Dokl. Akad. Nauk azerb. SSR, **10**: 285 (*Eusimulium*). Type-locality: Alizade (Azerbaijan, USSR).—Distr.: USSR: TC.
- gviletense lachense** (RUBZOV, 1962): 14. Simuliidae, Fliegen pal. Reg., **3**(4): 294 (*Eusimulium*). Type-locality: "Bezirk Latschin" (Azerbaijan, USSR).—Distr.: USSR: TC (Az).
- gviletense megrichaense** (RUBZOV, 1962): 14. Simuliidae, Fliegen pal. Reg., **3**(4): 294 (*Eusimulium*). Type-locality: "Flusses Megri-Tshay" (Armenia, USSR).—Distr.: USSR: TC (Arm).
- inflatum** (RUBZOV, 1951): Trudy zool. Inst., Leningr., **9**: 782 (*Eusimulium*). Type-locality: Hissar mount. range, Kondara Canyon (Tajikistan, USSR).—Distr.: USSR: SMA (Tj).
- kerzhneri** (RUBZOV, 1975): Insects of Mongolia, **3**: 492 (*Eusimulium*). Type-locality: 5 km S os Dzhargakhan, Gobi-Altay aimak, Khasagt-Khayrkan mount. range (Mongolia).—Distr.: Asia: Mongolia.
- kirgisorum** (RUBZOV, 1956): Fauna USSR, **6**(6), Simuliidae, 2 Ed.: 829 (*Eusimulium*). Type-locality: small source in Issyk-Ata Canyon, Kirgizian mount. range (Kirgizia, USSR).—Distr.: USSR: SMA (Ki).
- kobayashii** (OKAMOTO, YOSHIDA, SATO et SHOGAKI, 1958): Jap. J. sanit. Zool., **9**(3): 183 (*Simulium* (*Eusimulium*)). Type-locality: Mt. Daisen, Tottori Pref. (Japan).—Distr.: Asia: Japan.
- kurganense** (RUBZOV, 1956): Fauna USSR, **6**(6), Simuliidae, 2 Ed.: 403 (*Eusimulium*). Type-locality: tributary of Dzhebor river (Kirgizia, USSR).—Distr.: USSR: SMA (Ki).
- litshkense** (RUBZOV, 1956): Fauna USSR, **6**(6), Simuliidae, 2 Ed.: 420 (*Eusimulium*). Type-locality: sources near Litshk (Armenia, USSR).—Distr.: USSR: TC.
- longifiliatum** RUBZOV, 1976: Trudy Inst. Zool., Alma-Ata, **36**: 12 (*Montisimulium*). Type-locality: Tshetmerke Canyon, Kegensky rayon, Alma-Ata district (Kazakhstan, USSR).—Distr.: USSR: KZ.
- montium** (RUBZOV, 1947): Izv. Akad. Nauk SSSR (ser. biol.), **1**: 114 (*Simulium* (*Eusimulium*)). Type-locality: tributaries of the river Varzob (Tajikistan, USSR).—Distr.: USSR: SET (Rs), TC, SMA.

- ocreastylum** (RUBZOV, 1956): Fauna USSR, 6(6), Simuliidae, 2 Ed.: 398 (*Eusimulium*). Type-locality: Zor-Tshekety river (Pamir, USSR).—Distr.: USSR: TC, SMA.
- octofiliatum** (RUBZOV, 1956): Fauna USSR, 6(6), Simuliidae, 2 Ed.: 415 (*Eusimulium*). Type-locality: Chechekta river (Pamir, USSR).—Distr.: USSR: SMA (Tj).
- octofiliatum batifile** RUBZOV et SHAKIRZJANOVA, 1976: Trudy Inst. Zool., Alma-Ata, 36: 25 (*Montisimulium*). Type-locality: Ortamerke Canyon, Kegensky rayon, Alma-Ata district (Kazakhstan, USSR).—Distr.: USSR: KZ.
- octofiliatum brevium** RUBZOV et SHAKIRZJANOVA, 1976: Trudy Inst. Zool., Alma-Ata, 36: 24 (*Montisimulium*). Type-locality: Ortamerke canyon, Kegensky rayon, Alma-Ata district (Kazakhstan, USSR).—Distr.: USSR: KZ.
- odontostylum** (RUBZOV, 1947): Izv. Akad. Nauk SSSR (ser. biol.), 1: 114 (*Simulium* (*Eusimulium*)). Type-locality: Hissar mount. range, river Obi-Hilf (Tajikistan, USSR).—Distr.: USSR: SMA (Tj).
- quattuordecimfiliatum** RUBZOV, 1976: Trudy Inst. Zool., Alma-Ata, 36: 11 (*Montisimulium*). Type-locality: Ortamerke Canyon, Kegensky rayon, Alma-Ata district (Kazakhstan, USSR).—Distr.: USSR: KZ.
- quattuordecimfilum** (RUBZOV, 1947): Izv. Akad. Nauk SSSR (ser. biol.), 1: 113 (*Simulium* (*Eusimulium*)). Type-localities: Hissar mount. range, Rushan mount. range (Pamir, USSR) [holotype label: Khodzha-Obi-Garm (Tajikistan)].—Distr.: USSR: SMA (Tj).
- quattuordecimfilum vallesense** (RUBZOV, 1962): 14. Simuliidae, Fliegen pal. Reg., 3(4): 301 (*Eusimulium*). Type-locality: "Fluss Djuschambinka" (Tajikistan, USSR).—Distr.: USSR: SMA (Tj).
- sakhalinum** (RUBZOV, 1962): 14. Simuliidae, Fliegen pal. Reg., 3(4): 296 (*Eusimulium*). Type-locality: "Umgebung von Juschno-Sachalinsk" (Sakhalin, USSR).—Distr.: USSR: FE (Sakhalin); Asia: Japan.
- saradzhouense** (RUBZOV, 1956): Fauna USSR, 6(6), Simuliidae, 2 Ed.: 400 (*Eusimulium*). Type-locality: Khodzha-Obi-Garm, Saradzhou river (Tajikistan, USSR).—Distr.: USSR: SMA (Tj).
- shadini** (RUBZOV, 1956): Fauna USSR, 6(6), Simuliidae, 2 Ed.: 399 (*Eusimulium*). Type-locality: Khodzha-Obi-Garm, Mazor-Darya river (Tajikistan, USSR).—Distr.: USSR: SMA (Tj).
- sheveligiense** (RUBZOV et VIOLOVITSH, 1965): Мошки Тувы: 43 (*Eusimulium*). Type-localities: tributary of Shevelig-Khem river, . . . Tshara river (Tuva ASSR, USSR) [holotype label: tributary of Shevelig-Khem river, Tuva].—Distr.: USSR: WS.
- shevyakovi** (DOROGOSTAJSKY, RUBZOV et VLASENKO, 1935): Parazit. Sb. zool. Inst. Moskva, 5: 173 (*Simulium*). Type-localities: Molka, Bol. Koty, Topka rivers (Baikal region, USSR) [holotype label: Bol. Koty river].—Distr.: USSR: KZ, WS, ES, FE.

- shevyakovi comosum** (RUBZOV, 1956): Fauna USSR, 6(6), Simuliidae, 2 Ed.: 413 (*Eusimulium*). Type-locality: tributary of Kyntsharga river, Tunkin valley, . . . upward from Arshan, Irkutsk district (USSR).—Distr.: USSR: ES.
- stackelbergi** (RUBZOV, 1956): Fauna USSR, 6(6), Simuliidae, 2 Ed.: 401 (*Eusimulium*). Type-locality: Kondara river (Tajikistan, USSR).—Distr.: USSR SMA (Tj).
- sytshevskiae** (RUBZOV, 1967): Ent. Obozr., 46(3): 745 (*Eusimulium*). Type-locality: surroundings of Tshetshekta and landscape Poutrek (Pamir, USSR).—Distr.: USSR: SMA (Tj).
- tatianae** BODROVA, 1981: Беспозвоночные животные в экосистемах лососевых рек Дальнего Востока: 114 (*Montisimulium*). Type-locality: Yelovy source, Sokolovka, Tshuguyevsky rayon (Maritime territory, USSR).—Distr.: USSR: FE.
- violovitshi** (RUBZOV, 1962): 14. Simuliidae, Fliegen pal. Reg., 3(4): 297 (*Eusimulium*). Type-locality: "Umgebung der Stadt Juschno-Sachalinsk" (Sakhalin, USSR).—Distr.: USSR: FE.

### **Cnetha** ENDERLEIN, 1921

- ENDERLEIN, 1921: Dt. tierärztl. Wschr., 29(16): 199.  
Type-species: *Atractocera latipes* MEIGEN, 1804: Klass. Beschr., 1: 96 (orig. des.).
- Friesia* ENDERLEIN, 1922: Konowia, 1(1–2): 69. Type-species: *Nevermannia tristrigata* ENDERLEIN, 1921: Sber. Ges. naturf. Freunde Berl., 1921: 213 (orig. des.).
- Pseudonevermannia* BARANOV, 1926: Neue Beitr. syst. Insektenk., 3(15–16): 164 (as subgenus of *Nevermannia* ENDERLEIN, 1921). Type-species: *Atractocera latipes* MEIGEN, 1804: Klass. Beschr., 1: 96 (orig. des.).
- Cryptectemnia* ENDERLEIN, 1936: Sber. Ges. naturf. Freunde Berl., 1936: 114. Type-species: *Cryptectemnia laticalx* ENDERLEIN, 1936: l.c.: 114 (orig. des.).
- Miodasia* ENDERLEIN, 1936: Tierwelt Mitteleur., 6(2) Diptera: 39. Type-species: *Miodasia opalinipennis* ENDERLEIN, 1936: l.c.: 39 (orig. des.).
- acmeria** ONO, 1978: Res. Bull. Obihiro Univ., 10: 901 (*Cnetha*). Type-locality: "Obihiro, Hokkaido: small stream under the Yoda Terrace" (Japan).—Distr.: Asia: Japan (Hokkaido).
- albipileata** ENDERLEIN, 1926: Zool. Anz., 66: 140 (*Cnetha*). Type-locality: "Hannover, Neustadt a. R." [D].—Distr.: Europe: D.
- amurensis** (RUBZOV, 1956): Fauna USSR, 6(6), Simuliidae, 2 Ed.: 469 (*Eusimulium*, as subsp. of *pygmaeum* ZETTERSTEDT). Type-locality: Khalzan river and its tributaries, valley of Lower Amur river (USSR).—Distr.: USSR: ES, FE (Amur basin).

- angustata** (RUBZOV, 1956): Fauna USSR, **6**(6), Simuliidae, 2 Ed.: 458 (*Eusimulium*). Type-locality: source Sary-Su, Crimean Natn. Park (Crimea, USSR).—Distr.: Europe: CS, PL, R; USSR: SET.
- angusticornis** (RUBZOV, 1956): Fauna USSR, **6**(6), Simuliidae, 2 Ed.: 476 (*Eusimulium*). Type-locality: Sikhote-Alin mounts (Maritime territory, USSR).—Distr.: USSR: FE.
- angustifrons** (ENDERLEIN, 1921): Sber. Ges. naturf. Freunde Berl., **1921**: 213 (*Nevermannia*). Type-locality: "Süd-Frankreich".—Distr.: Europe: F.
- armoricana** (DOBY et DAVID, 1961): Bull. Soc. zool. Fr., **86**(2-3): 230 (*Simulium*). Type-localities: "provence de Trehorenteuc (Morbihan) et de la Forêt d'Ecouves (Orne)" (France).—Distr.: Europe: F, GB.
- australis** (RUBZOV, 1955): Trudy Inst. Zool., Baku, **18**: 114 (*Eusimulium*). Type-locality: rivulets of Delizhan (Armenia, USSR).—Distr.: USSR: TC.
- barabensis** (RUBZOV, 1973): Новые и малоизвестные виды фауны Сибири, **7**: 125 (*Eusimulium*). Type-locality: Baraba, Novosibirsk district (USSR).—Distr.: USSR: WS.
- barbativentris** ENDERLEIN, 1929: Wien. ent. Ztg, **46**(2): 75 (*Cnetha*). Type-locality: "Schlesien, Landeshut" (?Poland, D).—Distr.: Europe: D, ?PL.
- beltukovae** (RUBZOV, 1956): Fauna USSR, **6**(6), Simuliidae, 2 Ed.: 438 (*Eusimulium*). Type-locality: tributaries of Sylva river, Perm district (Ural, USSR).—Distr.: USSR: NET, CET, WS.
- bertrandi** (GRENIER et DORIER, 1959): Trav. Lab. Hydrobiol. Piscic. Univ. Grenoble, **50-51**: 205 (*Simulium*). Type-locality: "Isère, Massif de Belledonne" (France).—Distr.: Europe: A, BG, CS, D, DDR, E, F, I, PL, R, YU; USSR: CET, SET.
- biancoi** (RUBZOV, 1964): Memorie Soc. ent. ital., **43**: 47 (*Eusimulium*). Type-locality: "Piemonte: Valle del Sangone" (Italy).—Distr.: Europe: I.
- bicornis** (DOROGOSTAJSKY, RUBZOV et VLASENKO, 1935): Parazit. Sb. zool. Inst. Moskva, **5**: 178 (*Simulium*). Type-localities: small rivulets tributaries of Angara river (Molka, Balaganka) (Baikal region, USSR) [holotype label: Molka river, Eastern Siberia].—Distr.: USSR: ES.
- boldstemta** ONO, 1978: Res. Bull. Obihiro Univ., **10**: 893 (*Cnetha*). Type-locality: "Obihiro, Hokkaido: small stream under the Yoda Terrace" (Japan).—Distr.: Asia: Japan (Hokkaido).
- brevidens** (RUBZOV, 1956): Fauna USSR, **6**(6), Simuliidae, 2 Ed.: 460 (*Eusimulium*). Type-locality: source Sary-Su, Crimean Natn. Park (Crimea, USSR).—Distr.: Europe: A, BG, CS, D, DDR, F, I, PL, R, YU; USSR: SET (Uk), TC.
- carpathica** (KNOZ, 1961): Publ. Fac. Sci. Nat. Univ. Purk. Brun, **426**: 393 (*Eusimulium*). Type-locality: "Jesenik Alts, Tatra" (Czechoslovakia).—Distr.: Europe: A, BG, CS, D, DDR, E, F, I, PL, R, YU.
- carthusiensis** (GRENIER et DORIER, 1959): Trav. Lab. Hydrobiol. Piscic. Univ. Grenoble, **50-51**: 214 (*Simulium*). Type-locality: "Isère, Massif de la Chartreuse" (France).—Distr.: Europe: A, BG, CS, D, E, F, I, PL, R, YU.

- chomustachi** (WOROBEB, 1977): Таксоны фауны Сибири: 62 (*Gomphostilbia*). Type-locality: rivulets near Khomustakh, Namsky rayon (Yakutia, USSR).—Distr.: USSR: ES.
- chubarevae** KACHVORIAN et TERTERJAN, 1981: Dokl. Akad. Nauk armyan. SSR, 73(3): 181 (*Cnetha*). Type-locality: small sources in forest near Tsakhkadzor, Razadansky rayon (Armenia, USSR).—Distr.: USSR: TC (Arm).
- codreanui** (SERBAN, 1958): Archs Inst. Pasteur Algér., 36(2): 184 (*Eusimulium*). Type-localities: "Vallea Cerbului, . . . Urlatoarea, . . . Moasa Sebeşului" (Roumania).—Distr.: Europe: BG, CS, PL, R, YU.
- cornifera** YANKOVSKY, 1979: Ent. Obozr., 58(1): 176 (*Cnetha*). Type-locality: Olenya railway station, Kolsky peninsula (USSR).—Distr.: Europe: D, DDR, PL, S, SF; USSR: NET, WS (Northern part), ES (Northern part).
- costata** (FRIEDERICH, 1921): Z. angew. Ent., 8(1): 51 (*Simulium*). Type-locality: "kleinen Gewässern in der Gegend von Rostock" [DDR].—Distr.: Europe: A, BG, CS, D, DDR, F, GB, H, I, N, PL, R, YU.
- couverti** (RUBZOV, 1964): Memorie Soc. ent. ital., 43: 45 (*Eusimulium*). Type-locality: "Piemonte: Valle di Susa" (Italy).—Distr.: Europe: I.
- crenobia** (KNOZ, 1961): Publ. Fac. Sci. Nat. Univ. Purk. Brun, 426: 400 (*Eusimulium*). Type-locality: "Jesenik Alts, Tatra" (Czechoslovakia).—Distr.: Europe: A, CS, D, DDR, H, I, PL, R, YU.
- cryophila** (RUBZOV, 1959): Чтения памяти Холодковского за 1956–1957 г.: 54 (*Eusimulium*). Type-locality: Luzhsky rayon (near Luga), Leningrad district (USSR).—Distr.: Europe: A, BG, CS, D, DDR, E, F, GB, I, N, PL, R, S, SF, YU; USSR: NET, CET, SET; North Africa: Morocco, Algeria.
- curvans** (RUBZOV et CARLSSON, 1965): Acta Univ. lund., 2(18): 17 (*Eusimulium*, as new name for *pungens*: RUBZOV, 1956, not *pungens* MEIGEN, 1806).—Distr.: Europe: D, N, R, S, SF; USSR: NET, CET, WS, ES, FE.  
*pungens*: RUBZOV, 1956: Fauna USSR, 6(6), Simuliidae, 2 Ed.: 468 (*Eusimulium*, as subsp. of *pygmaeum* ZETTERSTEDT, not *pungens* MEIGEN, 1806).
- djafarovi** (RUBZOV, 1962): 14. Simuliidae, Fliegen pal. Reg., 3(4): 325 (*Eusimulium*, as new name for *E. subcostata* DJAFAROV, 1953, a junior primary homonym of *E. subcostata* TAKAHASI, 1950: 1555).—Distr.: Europe: R; USSR: TC.  
*subcostata* (DJAFAROV, 1953): Dokl. Akad. Nauk azerb. SSR, 9(11): 677 (*Eusimulium*). Type-locality: sources near Ordekgel lake (Azerbaijan, USSR).
- dolomitensis** (RIVOSECCI, 1971): Riv. Parassit., 32(1): 58 (*Eusimulium*). Type-locality: "rio Valconfin" (Italy).—Distr.: Europe: I.
- dunfellensis** (DAVIES, 1966): Trans. R. ent. Soc. Lond., 118(14): 447 (*Simulium* (*Eusimulium*)). Type-locality: "Westmorland: Moorhouse National Nature Reserve, Knock Ore Gill" (Great Britain).—Distr.: Europe: GB.
- elata** (RUBZOV, 1955): Trudy Inst. Zool., Baku, 18: 120 (*Eusimulium*). Type-locality: Kish-Tshay river (Azerbaijan, USSR).—Distr.: USSR: TC.

- elburna** (RUBZOV et CARLSSON, 1965): Acta Univ. lund., 2(18): 23 (*Eusimulium*, as new name for *minutissima*: RUBZOV, 1956, not *minutissima* ZETTERSTEDT, 1850).—Distr.: USSR: CET, WS, ES.
- minutissima*: RUBZOV, 1956: Fauna USSR, 6(6), Simuliidae, 2 Ed.: 470 (*Eusimulium*), not *minutissima* ZETTERSTEDT, 1850. Type-locality: Sylva river, Perm district (Ural, USSR).
- erecta** (RUBZOV, 1959): Чтения памяти Холодковского за 1956–1957 г.: 54 (*Eusimulium*, as subsp. of *beltukovae* RUBZOV). Type-locality: Perm district (Ural, USSR) [holotype label: rivulets in surroundings of Perm].—Distr.: USSR: CET, WS, ES.
- florae** (DJAFAROV, 1954): Dokl. Akad. Nauk azerb. SSR, 10(4): 285 (*Eusimulium*). Type-locality: Agsu river (Azerbaijan, USSR).—Distr.: Europe: R; USSR: TC.
- fluviatilis** (RADZIVILOVSKAJA, 1948): Parazit. Sb. zool. Inst. Moskva, 10: 139 (*Simulium*). Type-locality: Kedrovaya Pad (Maritime territory, USSR).—Distr.: Europe: ?R; USSR: FE.
- fontia** (RUBZOV, 1955): Trudy Inst. Zool., Baku, 18: 118 (*Eusimulium*). Type-locality: mountain sources in surroundings of Dzauzhikau (Northern Caucasus, USSR).—Distr.: USSR: SET, TC.
- fontinalis** (RADZIVILOVSKAJA, 1948): Parazit. Sb. zool. Inst. Moskva, 10: 137 (*Simulium*). Type-locality: Kedrovaya Pad (Maritime territory, USSR).—Distr.: USSR: ?NET, ES, FE.
- fucensis** (RIVOCCHI, 1962): Riv. Parassit., 23(2): 140 (*Eusimulium*). Type-localities: “Abruzzo: Piana del Fucino, m. della Maiella, . . . altopiano di Pescocostanzo, . . . Umbria: altopiano di Norcia” (Italy).—Distr.: Europe: I.
- garniensis** (RUBZOV, 1955): Trudy Inst. Zool., Baku, 18: 117 (*Eusimulium*). Type-locality: Garni-Tshay river (Armenia, USSR).—Distr.: USSR: TC (Arm).
- gejgelensis** (DJAFAROV, 1954): Dokl. Akad. Nauk azerb. SSR, 10(4): 285 (*Eusimulium*). Type-locality: Agsu river (Azerbaijan, USSR).—Distr.: USSR: TC.
- incornuta** ENDERLEIN, 1929: Wien. ent. Ztg, 46(2): 75 (*Cnetha*). Type-locality: “Mark Brandenburg, Fläming” [DDR].—Distr.: Europe: DDR.
- karzhantavica** (RUBZOV, 1956): Fauna USSR, 6(6), Simuliidae, 2 Ed.: 474 (*Eusimulium*). Type-locality: Karzhantau mounts (Kazakhstan, USSR).—Distr.: USSR: KZ, SMA (Tu).
- keiseri** (RUBZOV, 1955): Trudy Inst. Zool., Baku, 18: 121 (*Eusimulium*). Type-locality: a stream near Dzhebagla river (Kirgizia, USSR).—Distr.: USSR: TC (Az), KZ, SMA (Uz, Ki), ?WS, ?ES.
- knochi** ENDERLEIN, 1929: Wien. ent. Ztg, 46(2): 77 (*Cnetha*). Type-locality: “Schlesien, Landeshut” (?Poland, D).—Distr.: Europe: D, DDR, PL.
- kugartsuensis** (RUBZOV, 1956): Fauna USSR, 6(6), Simuliidae, 2 Ed.: 454 (*Eusimulium*). Type-locality: Kugart-Su river basin (Kirgizia, USSR).—Distr.: USSR: SMA (Ki).

- kuznetzovi** (RUBZOV, 1940): Fauna USSR, 6(6), Simuliidae, 1 Ed.: 403 (*Simulium* (*Schönbaueria*)). Type-locality: Murmansk, Alexandrovsk (Kolsky peninsula, USSR).—Distr.: USSR: NET.
- laticalx** (ENDERLEIN, 1936): Sber. Ges. naturf. Freunde, Berl., 1936: 114 (*Cryptectemnia*). Type-locality: "Banat (Orsova)" (Roumania).—Distr.: Europe: R.  
*orsovae* (SMART, 1944): Proc. R. ent. Soc. Lond. (B), 13: 131 (*Simulium*, an unjustified new name for *Cryptectemnia laticalx* ENDERLEIN, 1936, cf. *Trichodagmia laticalx* ENDERLEIN, 1934: 291).
- latifilis** (RUBZOV, 1956): Fauna USSR, 6(6), Simuliidae, 2 Ed.: 472 (*Eusimulium*). Type-locality: Sikhote-Alin (Maritime territory, USSR).—Distr.: USSR: ES, FE.
- latipes** (MEIGEN, 1804): Klass. Beschr., 1: 96 (*Atractocera*). Type-locality: Germany.—Distr.: Europe; USSR: NET, CET, SET, TC, KZ, WS, ?ES; Asia: China. [CROSSKEY and DAVIES (1972) considered *Atractocera latipes* MEIGEN as a senior synonym of *Simulium subexcisum* EDWARDS, 1915 (see under *Boreosimulium*), concerning the valid name for this species would be *Cnetha vernum* (MACQUART, 1826), but we do not accept this proposal (see RUBZOV, 1984: Bull. zool. Nom.: (in print)].  
*verna* (MACQUART, 1826): Rec. Trav. Soc. sci. agric. Arts, 73: 23 (*Simulia*). Type-locality: France; questionable synonymy.  
*meridionalis* (RIVOSECCHI et LIPPARONI, 1965): Riv. Parassit., 26(3): 176 (*Eusimulium*, as subsp. of *latipes* MEIGEN). Type-locality: "Pantano della Doganella" (Italy).
- latipes aestivalis** (RUBZOV, 1962): 14. Simuliidae, Fliegen pal. Reg., 3(4): 316 (*Eusimulium*). Type-locality: "Fluß Sitenka, Bezirk Luga, Gebiet Leningrad" (USSR).—Distr.: USSR: NET, CET, WS.
- latipes fluminalis** (RUBZOV, 1956): Fauna USSR, 6(6), Simuliidae, 2 Ed.: 429 (*Eusimulium*). Type-localities: Central Europe; . . . Kosva river (Perm district), . . . Belaya river in Eastern Siberia [holotype label: rivulet, tributary of Kosva river, Ural].—Distr.: Europe; USSR: CET, WS, ES.
- latipes hatangensis** (RUBZOV, 1956): Fauna USSR, 6(6), Simuliidae, 2 Ed.: 430 (*Eusimulium*). Type-locality: Khatanga river (Eastern Siberia, USSR).—Distr.: USSR: ES.
- latipes shutovae** (RUBZOV, 1956): Fauna USSR, 6(6), Simuliidae, 2 Ed.: 431 (*Eusimulium*). Type-locality: Lozovikha river (Maritime territory, USSR).—Distr.: USSR: FE.
- lilotensis** RUBZOV, 1971: Ent. Essays Commemor. Retir. Prof. Yasumatsu: 180 (*Cnetha*). Type-locality: Lilot river at Lutshikha village, upward of Bratsk, Irkutsk district (USSR).—Distr.: USSR: ES.
- luppovae** (RUBZOV, 1956): Fauna USSR, 6(6), Simuliidae, 2 Ed.: 452 (*Eusimulium*). Type-locality: Western Pamir (USSR).—Distr.: USSR: SMA (Tj), ?ES, ?FE.



- marsicana** (RIVOSECCHI, 1962): Riv. Parassit., **23**(3): 217 (*Eusimulium*). Type-locality: "sorgenti del fiume Sangro nel Parco Nazionale d'Abruzzo" (Italy).—Distr.: Europe: I.
- meigeni** (RUBZOV et CARLSSON, 1965): Acta Univ. lund., **2**(18): 19 (*Eusimulium*, as new name for *pygmaeum*: RUBZOV, 1956, not *pygmaeum* ZETTERSTEDT, 1850); misidentification.—Distr.: Europe: DDR, D, F, GB, R, S, SF; USSR: NET, CET.
- pygmaeum*: RUBZOV, 1956: Fauna USSR, **6**(6), Simuliidae, 2 Ed.: 466 (*Eusimulium*, not *pygmaeum* ZETTERSTEDT, 1850); misidentification.
- minuta** (RUBZOV, 1959): Чтения памяти Холодковского за 1956–1957 г.: 54 (*Eusimulium*, as var. of *beltukovae* RUBZOV). Type-locality: Leningrad district (USSR).—Distr.: Europe: I; USSR: CET, SET.
- morisonoi** (ТАКАОКА, 1973): Jap. J. sanit. Zool., **23**(3): 203 (*Simulium* (*Eusimulium*)). Type-locality: "a stream at Yorkik, Nakanoshima Is." (Japan).—Distr.: Asia: Japan.
- murvanidzei** (RUBZOV, 1955): Trudy Inst. Zool., Baku, **18**: 116 (*Eusimulium*). Type-locality: Ukretskaya (Georgia, USSR).—Distr.: USSR: TC.
- naturalis** (DAVIES, 1966): Trans. R. ent. Soc. Lond., **118**(14): 445 (*Simulium* (*Eusimulium*)). Type-locality: "Westmorland: Moorhouse National Nature Reserve, Neither Hearth Sike" (Great Britain).—Distr.: Europe: GB.
- oligotuberculata** (KNOZ, 1965): Folia Fac. Sci. Nat. Univ. Purk. Brun, **6**(5): 28 (*Eusimulium*). Type-locality: "High Tatras, Tomanova dolina" (Czechoslovakia).—Distr.: Europe: CS.
- opalinipennis** (ENDERLEIN, 1936): Tierwelt Mitteleur., **6**(2) Diptera: 39 (*Miodasia*). Type-locality: not given (Central Europe).—Distr.: Europe.
- paracornifera** YANKOVSKY, 1979: Ent. Obozr., **58**(1): 174 (*Cnetha*). Type-locality: source, tributary of Pivan rivulet, Pivan railway station (Khabarovsk territory, USSR).—Distr.: USSR: FE.
- patrushevae** BOLDARUEVA, 1979: Trudy vses. ent. Obshch., **61**: 179 (*Cnetha*). Type-locality: Muya river, tributary of Vitim river (Buryatia, USSR).—Distr.: USSR: ES.
- planipuparia** (RUBZOV, 1947): Izv. Akad. Nauk SSSR (ser. biol.), **1**: 114 (*Simulium* (*Eusimulium*)). Type-locality: Hissar mount. range (Tajikistan, USSR).—Distr.: USSR: KZ, SMA.
- pritzkovi** ENDERLEIN, 1926: Zool. Anz., **66**: 139 (*Cnetha*). Type-locality: not given (?Germany).—Distr.: Europe: D, DDR, S, SF.
- pugetensis** (DYAR et SHANNON, 1927): Proc. U.S. natn. Mus., **69**: 23 (*Simulium*). Type-locality: "Seattle, Wash." (USA).—Distr.: USSR: ES, FE; Nearctic Region (Canada, USA, Alaska).
- longipilis* (RUBZOV, 1956): Fauna USSR, **6**(6), Simuliidae, 2 Ed.: 461 (*Eusimulium*). Type-locality: Molka river (Baikal region, USSR).
- rebunensis** ONO, 1979: Jap. J. sanit. Zool., **30**(3): 243 (*Cnetha*). Type-locality: "Ohozawa river, northern part of Rebun Is." (Japan).—Distr.: Asia: Japan.

- rivosecchii** (CONTINI, 1965): Riv. Parassit., **26**(4): 277 (*Eusimulium*). Type-locality: "rio S'Abba Lughida (affluente di sinistra del rio Mannudi Cuglieri)" (Italy).—Distr.: Europe: I.
- saliceti** RUBZOV, 1971: Новые и малоизвестные виды фауны Сибири: 101 (*Cnetha*). Type-locality: Iultin (Tshukotka, USSR).—Distr.: USSR: FE.
- schielei** ENDERLEIN, 1926: Zool. Anz., **66**: 140 (*Cnetha*). Type-locality: "Hannover, Neustadt a. R." [D].—Distr.: Europe: D.
- silvestris** (RUBZOV, 1956): Fauna USSR, **6**(6), Simuliidae, 2 Ed.: 433 (*Eusimulium*). Type-locality: rivulet at Pashki, Irkutsk district (USSR).—Distr.: Europe: N, S, SF; USSR: NET, ES, FE.
- strelkovi** (RUBZOV, 1956): Fauna USSR, **6**(6), Simuliidae, 2 Ed.: 480 (*Eusimulium*). Type-locality: 12 km from Kholmsk (Southern Sakhalin, USSR).—Distr.: USSR: FE.
- subcostata** (TAKAHASI, 1950): Monogr. ins. japonicorum: 1555 (*Eusimulium*). Type-locality: Japan.—Distr.: USSR: FE (Southern part); Asia: Japan.
- subcostata chejuensis** (ТАКАОКА, 1974): Jap. J. sanit. Zool., **25**(2): 143 (*Simulium* (*Eusimulium*)). Type-locality: "Sogwipo, Cheju Is." (Korea).—Distr.: Asia: Korea.
- subcostata koshikiensis** (ТАКАОКА, 1976): Jap. J. sanit. Zool., **27**(2): 166 (*Simulium* (*Eusimulium*)). Type-locality: "Okawa, Shimokoshiki Is." (Japan).—Distr.: Asia: Japan.
- taurica** (RUBZOV, 1956): Fauna USSR, **6**(6), Simuliidae, 2 Ed.: 459 (*Eusimulium*). Type-locality: source Sary-Su, Derikovka river, Crimean Natn. Park (Crimea, USSR).—Distr.: USSR: SET (Uk).
- timondavidi** (GIUDICELLI, 1960): Bull. Soc. zool. Fr., **85**(5–6): 401 (*Simulium*). Type-locality: "Corse, aux environs de Corte, dans le torrent de la Restonica, affluent du fleuve Tavignano" (France).—Distr.: Europe: F, I.
- trabeata** ENDERLEIN, 1921: Sber. Ges. naturf. Freunde Berl., **1921**: 214 (*Cnetha*). Type-locality: "Italien".—Distr.: Europe: I.
- tricrena** (RUBZOV et CARLSSON, 1965): Acta Univ. lund., **2**(18): 20 (*Eusimulium*). Type-locality: "Sk. Klövabäck" (Sweden).—Distr.: Europe: S.
- tristrigata** (ENDERLEIN, 1921): Sber. Ges. naturf. Freunde Berl., **1921**: 213 (*Nevermannia*). Type-localities: "Süd-Frankreich und Süd-Spanien".—Distr.: Europe: E, F.
- uchidai** (TAKAHASI, 1950): Monogr. ins. japonicorum: 1556 (*Eusimulium*). Type-locality: Japan.—Distr.: USSR: FE; Asia: Japan.
- urbana** (DAVIES, 1966): Trans. R. ent. Soc. Lond., **118**(14): 446 (*Simulium* (*Eusimulium*)). Type-locality: "Middlessex: Stanmore Common, small stream" (Great Britain).—Distr.: Europe: GB.
- vestita** ENDERLEIN, 1929: Wien. ent. Ztg., **46**(2): 74 (*Cnetha*). Type-locality: "Sweden, Are".—Distr.: Europe: S.
- vidanoi** (RUBZOV, 1964): Memorie Soc. ent. ital., **43**: 43 (*Eusimulium*). Type-locality: "Piemonte: Valle del Malone" (Italy).—Distr.: Europe: I.

- wigandi** ENDERLEIN, 1928: Zool. Anz., **76**(11–12): 315 (*Cnetha*). Type-localities: “Neustadt, . . . Hannover, . . . Schlesien” [D].—Distr.: Europe: D.  
**zakhariensis** (RUBZOV, 1955): Trudy Inst. Zool., Baku, **18**: 119 (*Eusimulium*). Type-locality: rivulet Tsakkar (Armenia, USSR).—Distr.: USSR: TC.  
**zhiltzovae** (RUBZOV, 1976): Ent. Obozr., **55**(1): 216 (*Eusimulium*). Type-locality: Abkhazia: Avidkhara river (Georgia, USSR).—Distr.: USSR: TC (Ge).

### Doubtful species

*regelationis*: (MEIGEN, 1803): Mag. Insektenk., **2**: 263 (*Atractocera*).

**Reference**: RUBZOV, 1964: 14. Simuliidae, Fliegen pal. Reg., **3**(4): 607.

### Nevermannia ENDERLEIN, 1921

ENDERLEIN, 1921: Dt. tierärztl. Wschr., **29**(16): 199.

Type-species: *Simulium annulipes* BECKER, 1908: Mitt. zool. Mus. Berl., **4**: 72 (orig. des.) [= *ruficornis* MACQUART, 1838].

*Chelocnetha* ENDERLEIN, 1936: Ges. naturf. Freunde Berl., **1936**: 117. Type-species: *Chelocnetha biroi* ENDERLEIN, 1936: l.c.: 117 (orig. des.) [= *Simulium ornaticipes* SKUSE, 1890]; not Palaearctic.

**Reference**: RAASTAD, 1979: Rhizocrinus, **11**: 3.

**angustitarsis** (LUNDSTRÖM, 1911): Acta Soc. Fauna Flora fenn., **34**: 22 (*Melusina*). Type-locality: “Helsinge, . . . Fennia (ohne Spéciallokal)” (Finland).—Distr.: Europe: A, BG, CS, D, DDR, F, GB, H, I, N, PL, R, S, SF, YU; USSR: NET, CET, SET, WS, ES.

*dispina* (RUBZOV et CARLSSON, 1965): Acta Univ. lund., **2**(18): 23 (*Eusimulium*). Type-locality: “Sk. Lund” (Sweden).

*marrucina* (RIVOSECCHI, 1966): Riv. Parassit., **27**(3): 187 (*Eusimulium*). Type-locality: “Passo S. Leonardo, M. della Maiella” (Italy).

*celtica* (DAVIES, 1966): Trans. R. ent. Soc. Lond., **118**(14): 457 (*Simulium* (*Eusimulium*)). Type-locality: “Denbshire: stream crossing road, about 4 km WSW of Llangernyw” (Great Britain).

*cambriensis* (DAVIES, 1967): Proc. R. ent. Soc. Lond. (B), **36**(3–4): 33 (*Simulium* (*Eusimulium*), as new name for *celtica* DAVIES, 1966, a junior primary homonym of *S. celtica* DOBY and RAULT, 1960: 242).

**angustitarsis brevipēs** (RUBZOV, 1967): Annls hist.-nat. Mus. natn. hung., **59**: 309 (*Eusimulium*). Type-locality: “Bicsérd” (Hungary).—Distr.: Europe: H.

**angustitarsis equitarsis** (RUBZOV, 1962): 14. Simuliidae, Fliegen pal. Reg., **3**(4): 354 (*Eusimulium*). Type-locality: “Kirghisia” (USSR) [holotype label: near Issyk-Ata, Kirgizia].—Distr.: USSR: SMA (Ki).

- angustitarsis hungarica** (RUBZOV, 1967): *Annlis hist.-nat. Mus. natn. hung.*, **59**: 308 (*Eusimulium*). Type-locality: "Répáshuta" (Hungary).—Distr.: Europe: H.
- angustitarsis mazedonica** BARANOV, 1926: *Neue Beitr. syst. Insektenk.*, **3**(19–20): 185 (*Nevermannia*). Type-locality: "Hanrijevo" (Yugoslavia).—Distr.: Europe: YU. [Type-material lost—see CROSSKEY and PETERSON, 1972: *Bull. Br. Mus. nat. Hist. (B)*, **27**(3): 196].
- aureohirta** (BRUNETTI, 1911): *Rec. Indian Mus.*, **4**(7): 287 (*Simulium*). Type-localities: "Umlung, Assam, ... Kanara, Bombay" (India).—Distr.: Asia: Japan; India.
- brevitarsis** (RUBZOV, 1976): *Ent. Obozr.*, **55**(1): 218 (*Chelocnetha*). Type-locality: Talysh, Leriksky rayon, Goveri (Azerbaijan, USSR).—Distr.: USSR: TC (Az).
- brunnea** (YANKOVSKY, 1977): *Систематика и фаунистика насекомых*: 97 (*Chelocnetha*). Type-locality: Tshegdomyn (Khabarovsk territory, USSR).—Distr.: USSR: ES, FE.
- crassicaulis** (RUBZOV, 1955): *Trudy Inst. Zool., Baku*, **18**: 126 (*Eusimulium*). Type-locality: rivulet, tributary of Orto-Tokay artificial lake (Uzbekistan, USSR).—Distr.: USSR: SMA (Uz).
- delizhanensis** (RUBZOV, 1955): *Trudy Inst. Zool., Baku*, **18**: 123 (*Eusimulium*). Type-locality: Delizhan (Armenia, USSR).—Distr.: USSR: TC.
- falcoe** (SHIRAKI, 1935): *Mem. Fac. Sci. Agric. Taihoku imp. Univ.*, **16**(1): 11 (*Eusimulium*). Type-locality: "Kappansan" (Japan).—Distr.: Asia: Japan.
- flavicornis** (ENDERLEIN, 1929): *Wien. ent. Ztg.*, **46**(2): 78 (*Cnetha*). Type-locality: "Ober-Österreich, Freistadt" (Austria).—Distr.: Europe: A.
- flavipes** (AUSTEN, 1921): *Bull. ent. Res.*, **12**: 116 (*Simulium*). Type-locality: "Palestina".—Distr.: Asia: ?Israel, ?Jordania, ?Lebanon.
- jerichoensis* (SMART, 1944): *Proc. R. ent. Soc. Lond. (B)*, **13**: 133 (*Simulium*, as new name for *flavipes* AUSTEN, 1921).
- genicularis** (SHIRAKI, 1935): *Mem. Fac. Sci. Agric. Taihoku imp. Univ.*, **16**(1): 19 (*Simulium*). Type-locality: "Taihoku, Formosa" (Taiwan).—Distr.: Asia: Japan; Taiwan.
- gomphocornis** (RUBZOV, 1964): *14. Simuliidae, Fliegen pal. Reg.*, **3**(4): 598 (*Eusimulium*). Type-locality: "Paporotnikovyi Bach im Staatlichen Kaukasus-Naturschutzgebiet" (Northern Caucasus, USSR).—Distr.: USSR: SET (Rs), TC.
- iblea** (RIVOSECCHI, 1966): *Riv. Parassit.*, **27**(3): 193 (*Eusimulium*, as subsp. of *angustitarsis* LUNDSTRÖM). Type-locality: "Sicilia centro-meridionale (M. Erei et Iblei)" (Italy).—Distr.: Europe: I; North Africa: Libya.
- konoï** (TAKAHASI, 1950): *Monogr. ins. japonicorum*: 1556 (*Eusimulium*). Type-locality: Japan.—Distr.: Asia: Japan.
- latigonia** (RUBZOV, 1956): *Fauna USSR*, **6**(6), *Simuliidae*, 2 Ed.: 830 (*Eusimulium*). Type-locality: Sitenka river, Leningrad district (USSR).—Distr.: USSR: CET, SET.

- longipes** (RUBZOV, 1956): Fauna USSR, 6(6), Simuliidae, 2 Ed.: 493 (*Eusimulium*). Type-locality: Canyon of Sary-Bulak river, northern side of Saur mount. range (Kazakhstan, USSR).—Distr.: USSR: KZ.
- lundstromi** ENDERLEIN, 1921: Dt. tierärztl. Wschr., 29(16): 200 (*Nevermannia*). Type-locality: "England".—Distr.: Europe: A, D, DDR, GB, H, I, PL, YU.
- kerteszi* ENDERLEIN, 1922: Konowia, 1(1–2): 68 (*Nevermannia*). Type-locality: "Budapest" (Hungary).
- lundstromi melanobrachia** (ENDERLEIN in DAMPF, 1924): Sber. naturf. Ges. Dorpat, 31: 47 (*Cnetha*, as var. of *kerteszi* ENDERLEIN). Type-locality: "Estland".—Distr.: USSR: CET (Est).
- montshadskii** (RUBZOV, 1956): Fauna USSR, 6(6), Simuliidae, 2 Ed.: 498 (*Eusimulium*). Type-locality: rivulet Khodzha-Obi-Garm, Rupdasht (Tajikistan, USSR).—Distr.: USSR: KZ (Southern part), SMA (Uz, Tj).
- ruficornis** (MACQUART, 1838): Mem. Soc. Sci. agric. Lille, 1838(2): 84 (*Simulia*). Type-locality: "de l'île Bourbon. M. Breon" (Afrotropical Region: Réunion Is.).—Distr.: Europe: E, F; North Africa: Algeria, Morocco, Libya; Canary Is.; Afrotropical Region.
- beckeri* (ROUBAUD, 1906): Bull. Mus. natn. Hist. nat. Paris, 7: 519 (*Simulium*). Type-locality: "Biskra (Algerie)" ("Algeria"—lectotype des. by CROSSKEY, 1964: Ann. Mag. nat. Hist., (13) 7(83): 666).
- annulipes* (BECKER, 1908): Mitt. zool. Mus. Berl., 4: 72 (*Simulium*). Type-locality: Canary Is. ("Canary Is."—lectotype des. by CROSSKEY, 1964: Ann. Mag. nat. Hist., (13) 7(83): 665).
- subgrisea** (RUBZOV, 1940): Fauna USSR, 6(6), Simuliidae, 1 Ed.: 355 (*Simulium* (*Nevermannia*)). Type-locality: Semirechye, Karatag railway station, Utsh-Tobe, Alma-Ata district (Kazakhstan, USSR).—Distr.: USSR: KZ, SMA; Asia: China.
- tenuitarsus** (RUBZOV, 1969): Reichenbachia, 12(11): 114 (*Chelocnetha*). Type-locality: "Chovd aimak, 10 km SSW von Somon Bulgan" (Mongolia).—Distr.: Asia: Mongolia.
- vitilis** (RUBZOV, 1955): Trudy Inst. Zool., Baku, 18: 124 (*Eusimulium*). Type-locality: Armenia (USSR) [holotype label: rivulet in Arpa-Tshay canyon, Armenia].—Distr.: USSR: TC.

### **Eusimulium** ROUBAUD, 1906

ROUBAUD, 1906: C. r. Acad. Sci. Paris, 143: 519 (as subgenus of *Simulium* LATREILLE, 1802).

Type-species: *Simulia aureum* FRIES, 1824: Monogr. simularum sveciae, 1: 16 (mon.).

- angustipes** (EDWARDS, 1915): Bull. ent. Res., **6**: 40 (*Simulium*). Type-locality: "Barton Mills" (Suffolk, Great Britain).—Distr.: Europe; USSR: NET, CET, SET.
- annae** RUBZOV, 1956: Fauna USSR, **6**(6), Simuliidae, 2 Ed.: 836 (*Eusimulium*). Type-locality: Luga river near Luga, Leningrad district (USSR).—Distr.: USSR: CET.
- argentipile** RUBZOV, 1962: 14. Simuliidae, Fliegen pal. Reg., **3**(4): 378 (*Eusimulium*). Type-locality: "Fluß Alba (Gebiet Leningrad)" (USSR).—Distr.: USSR: CET.
- armeniacum** RUBZOV, 1955: Trudy Inst. Zool., Baku, **18**: 126 (*Eusimulium*). Type-locality: surroundings of Yerevan (Armenia, USSR).—Distr.: USSR: TC; Asia: China.
- aureum** (FRIES, 1824): Monogr. simuliarum sveciae, **1**: 16 (*Simulia*). Type-localities: "Scandia: . . . ad Esperöd, . . . ad Björnstorp" (Sweden).—Distr.: Europe: CS, D, DDR, E, F, GB, H, I, N, PL, R, S, SF; USSR: NET, CET, SET, TC, WS; Nearctic Region (USA).
- flavipes* (STEPHENS, 1829): Syst. Cat. Brit. Ins., **2**: 254 (*Simulium*). Type-locality: not given (England).
- primum* (BARANOV, 1926): Neue Beitr. syst. Insektenk., **3**(19–20): 192 (*Nevermannia*, as forma of *aureum* FRIES). Type-locality: Hanrijevo near Skopje (Yugoslavia). [Type-material lost: see CROSSKEY and PETERSON, 1972: Bull. Br. Mus. nat. Hist. (B), **27**(3): 196].
- secundum* (BARANOV, 1926): Neue Beitr. syst. Insektenk., **3**(19–20): 192 (*Nevermannia*, as forma of *aureum* FRIES). Type-locality: Hanrijevo near Skopje (Yugoslavia). [Type-material lost: see CROSSKEY and PETERSON, 1972: Bull. Br. Mus. nat. Hist. (B), **27**(3): 197].
- azerbaidzhanicum** DJAFAROV, 1953: Dokl. Akad. Nauk azerb. SSR, **9**(11): 675 (*Eusimulium*). Type-locality: rivulet Agsu and source at Ordek-Gel lake (Azerbaijan, USSR).—Distr.: USSR: TC.
- azorensis** CARLSSON, 1963: Bolm Mus. munic. Funchal, **17**: 90 (*Eusimulium*). Type-locality: "Azores: Flores, Ribèria d'Alim da Fazenda".—Distr.: Azores.
- baatori** RUBZOV, 1967: Anns hist.-nat. Mus. natn. hung., **59**: 321 (*Eusimulium*). Type-locality: Mongolia: Sukhebator aimak, 44 km SSW of Baruun Urt.—Distr.: Asia: Mongolia.
- bonninense** SHIRAKI, 1935: Mem. Fac. Sci. Agric. Taihoku imp. Univ., **16**(1): 21 (*Eusimulium*). Type-locality: "Ogasawara Is." (Japan).—Distr.: Asia: Japan.
- brachyantherum** (RUBZOV, 1947): Izv. Akad. Nauk SSSR (ser. biol.), **1**: 114 (*Simulium* (*Eusimulium*)). Type-locality: Hissar mount. range, Kondara (Tajikistan, USSR).—Distr.: Europe: ?BG, R; USSR: TC, SMA.
- bulgaricum** (ENDERLEIN, 1921): Sber. Ges. naturf. Freunde Berl., **1921**: 213 (*Nevermannia*). Type-locality: "Bulgarien".—Distr.: Europe: BG.
- erimoense** ONO, 1980: Kontyû, **48**(3): 344 (*Eusimulium*). Type-locality: "Oiwake Pass, Erimo, Hokkaido" (Japan).—Distr.: Asia: Japan (Hokkaido).

- guimari** (BECKER, 1908): Mitt. zool. Mus. Berl., **4**: 72 (*Simulium*). Type-locality: Guimar on the eastern side of the island of Teneriffe, Canary Is.—Distr.: Canary Is. ("Canary Is."—lectotype des. by CROSSKEY, 1964: Ann. Mag. nat. Hist., (13) 7(83): 668).
- horvathi** (ENDERLEIN, 1922): Konowia, **1**(1–2): 67 (*Nevermannia*). Type-localities: "Nordost-Ungarn, Buj, . . . Württemberg".—Distr.: Europe: D, H.
- kaszabi** RUBZOV, 1969: Reichenbachia, **12**(11): 117 (*Eusimulium*). Type-locality: "Archangaj aimak, im Changaj-Gebirge, 8 km W vom Somon-Urdtampir" (Mongolia).—Distr.: Asia: Mongolia.
- kazhastanicum** RUBZOV, 1976: Trudy Inst. Zool., Alma-Ata, **36**: 15 (*Eusimulium*). Type-locality: Tshetmerke canyon, Kungey-Alatau mount. range, Alma-Ata district (Kazakhstan, USSR).—Distr.: USSR: KZ.
- krymense** RUBZOV, 1956: Fauna USSR, **6**(6), Simuliidae, 2 Ed.: 514 (*Eusimulium*). Type-locality: Yalta, Nikitsky Botanic Garden (Crimea, USSR).—Distr.: Europe: BG, R, YU; USSR: SET, TC.
- latinum** RUBZOV, 1962: 14. Simuliidae, Fliegen pal. Reg., **3**(4): 380 (*Eusimulium*). Type-locality: "Amalfi-Fluß" (Italy).—Distr.: Europe: BG, E, F, I, P, R, YU; North Africa.
- trabeatum*: RUBZOV, 1956: Fauna USSR, **6**(6), Simuliidae, 2 Ed.: 520 (*Eusimulium*), not *trabeata* ENDERLEIN, 1921.
- latizonum** RUBZOV, 1956: Fauna USSR, **6**(6), Simuliidae, 2 Ed.: 514 (*Eusimulium*). Type-locality: rivulets in surroundings of Pushkin, Leningrad district (USSR).—Distr.: Europe: CS, H, I, R; USSR: NET, CET, SET, KZ, ?ES.
- longitarse** RUBZOV et VIOLOVITSH, 1965: Мошки Тувы: 50 (*Eusimulium*). Type-locality: Khara-Mot-Gol (Tuva ASSR, USSR).—Distr.: USSR: WS (Tuva).
- maritimum** RUBZOV, 1955: Trudy Inst. Zool., Baku, **18**: 127 (*Eusimulium*). Type-locality: Sotshinka river (Krasnodar territory, USSR).—Distr.: USSR: SET, TC.
- nigripes** (SANTOS ABREU, 1922): Mems R. Acad. Cienc. Artes Barcelona, **17**(12): 30 (*Melusina*). Type-locality: Palma Is., Dehesa de la Encarnacion (Canary Is.).—Distr.: Canary Is.
- nigrofusipes** (RUBZOV, 1947): Izv. Akad. Nauk SSSR (ser. biol.), **1**: 114 (*Simulium* (*Eusimulium*)). Type-locality: Hissar mount. range (Tajikistan, USSR).—Distr.: USSR: TC, SMA.
- paludicolum** RIVISECCHI, 1963: Riv. Parassit., **24**(1): 25 (*Eusimulium*, as forma of *latizonum* RUBZOV). Type-locality: "stagno di Seccano" (Italy).—Distr.: Europe: I.
- paucicuspe** (RUBZOV, 1947): Izv. Akad. Nauk SSSR (ser. biol.), **1**: 114 (*Simulium* (*Eusimulium*)). Type-locality: river Varzob and its tributaries (Tajikistan, USSR).—Distr.: USSR: TC, SMA.

- petricolum** RIVOSECCHI, 1963: Riv. Parassit., **24**(1): 20 (*Eusimulium*, as forma of *latizonum* RUBZOV). Type-localities: "Abruzzo, . . . Molize, . . . Sicilia, . . . Sardegna" (Italy).—Distr.: Europe: I.
- pseudolatipes** (SANTOS ABREU, 1922): Mem. R. Acad. Cienc. Artes Barcelona, **17**(12): 25 (*Melusina*). Type-locality: Palma Is., Dehesa de la Encarnacion (Canary Is.).—Distr.: Canary Is.
- reginae** (TERTERJAN, 1949): Dokl. Akad. Nauk armyan. SSR, **11**(3): 96 (*Simulium*). Type-locality: Megri river (Armenia, USSR).—Distr.: USSR: TC.
- rubzovianum** SERBAN, 1961: Ent. Obozr., **40**(3): 677 (*Eusimulium*, as new name for *serbicum*: RUBZOV, 1956, not *serbicum* BARANOV, 1925). Type-locality: Medovica river (Yugoslavia).—Distr.: Europe: CS, H, I, R, YU.  
*serbicum*: RUBZOV, 1956: Fauna USSR, **6**(6), Simuliidae, 2 Ed.: 521 (*Eusimulium*, not *serbicum* (BARANOV, 1925)); misidentification.
- salinum** RUBZOV, 1956: Fauna USSR, **6**(6), Simuliidae, 2 Ed.: 513 (*Eusimulium*). Type-locality: Usolka river (south of Krasnoyarsk territory, USSR).—Distr.: USSR: ES.
- satsumensis** (TAKAOKA, 1976): Jap. J. sanit. Zool., **27**(2): 171 (*Simulium* (*Eusimulium*)). Type-locality: "Teuchi, Shimokoshiki Is." (Japan).—Distr.: Asia: Japan.
- securiforme** RUBZOV, 1956: Fauna USSR, **6**(6), Simuliidae, 2 Ed.: 833 (*Eusimulium*). Type-locality: Sitenka river, Leningrad district (USSR).—Distr.: Europe: BG, CS, I, R, S; USSR: NET, CET, SET.
- serbicum** (BARANOV, 1925): Agric. exp. Sta. Belgrado, **1**: 9 (*Nevermannia* (*Pseudonevermannia*)). Type-locality: "Fluß Medoviza" (Yugoslavia).—Distr.: Europe: BG, CS, D, DDR, E, F, H, I, R, YU.
- silvaticum** RUBZOV, 1962: 14. Simuliidae, Fliegen pal. Reg., **3**(4): 376 (*Eusimulium*). Type-locality: "Quellen des Flusses Sitenka (Gebiet Leningrad)" (USSR).—Distr.: Europe: I, YU; USSR: CET, SET.
- submorsitans** (SÉGUY, 1921): Bull. Mus. natn. Hist. nat. Paris, **27**: 294 (*Simulium*). Type-locality: "Environs de Tafira, Barranquillo de Siete puertas" (Canary Is.).—Distr.: Canary Is.
- taipei** SHIRAKI, 1935: Mem. Fac. Sci. Agric. Taihoku imp. Univ., **16**(1): 15 (*Eusimulium*). Type-locality: "Taihoku" (Taiwan).—Distr.: Asia: Japan; Taiwan.
- velutinum** (SANTOS ABREU, 1922): Mem. R. Acad. Cienc. Artes Barcelona, **17**(12): 34 (*Melusina*). Type-locality: Palma Is., Dehesa de la Encarnacion (Canary Is.).—Distr.: Canary Is.

### Schoenbaueria ENDERLEIN, 1921

ENDERLEIN, 1921: Dt. tierärztl. Wschr., **29**(16): 199.

Type-species: *Schoenbaueria matthiesseni* ENDERLEIN, 1921: l.c.: 199 (by subsequent des. of ENDERLEIN, 1921) [= *nigra* (MEIGEN, 1804)].



- annulitarsis** (ZETTERSTEDT, 1838): Insecta Lapp.: 802 (*Simulia*). Type-localities: "Laponia Umensi: . . . ad Lycksele et ad Tresunda" (Sweden).—Distr.: Europe: S, SF.
- arctica** ENDERLEIN, 1936: Sber. Ges. naturf. Freunde Berl., 1936: 119 (*Schönbaueria*). Type-locality: "Norwegen (Rövde Fjord)".—Distr.: Europe: N.
- roevdeae* (SMART, 1944): Proc. R. ent. Soc. Lond. (B), 13: 132 (*Simulium*), an unnecessary new name for *Schoenbaueria arctica* ENDERLEIN, 1936, cf. *Simulium arcticum* by MALLOCH, 1914: 37.
- brachyarthra** RUBZOV, 1956: Fauna USSR, 6(6), Simuliidae, 2 Ed.: 535 (*Schönbaueria*). Type-locality: Yenisei river (USSR).—Distr.: USSR: WS, ES, FE.
- chelevini** IVASCHENKO, 1978: Parazitologiya, 12(4): 308 (*Schoenbaueria*). Type-locality: marsh stream near Markovo, Komsomolsky rayon, Ivanovo district (USSR).—Distr.: USSR: CET.
- dendrofila** (PATRUSHEVA, 1962): Izv. sib. Otdel. Akad. Nauk SSSR, 3: 100 (*Eusimulium*). Type-locality: Yuksa river, tributary of Tshulym river, Tomsk district (USSR).—Distr.: USSR: WS, ES, FE.
- flavoantennata** (RUBZOV, 1940): Fauna USSR, 6(6), Simuliidae, 1 Ed.: 402 (*Simulium* (*Schönbaueria*)). Type-locality: Dankhe river, Satshzhou, Gashun Gobi (China).—Distr.: Asia: Mongolia, China.
- nigra** (MEIGEN, 1804): Klass. Beschr., 1: 96 (*Atractocera*). Type-locality: Germany.—Distr.: Europe: D, DDR, R; USSR: CET, SET. ("Germany: Stolberg"—lectotype des. by ZWICK and CROSSKEY, 1981: Aquat. Ins., 2(4)(1980): 232).
- matthiesseni* ENDERLEIN, 1921: Dt. tierärztl. Wschr., 29(16): 199 (*Schönbaueria*). Type-locality: "Berlin".
- behningi* (ENDERLEIN, 1926): Zool. Anz., 66: 142 (*Simulium*). Type-locality: "Südrußland, Saratov" (USSR).
- parapusilla** RUBZOV, 1956: Fauna USSR, 6(6), Simuliidae, 2 Ed.: 537 (*Schönbaueria*). Type-locality: Tunguska river, valley of Tyung river (Yakutia, USSR).—Distr.: USSR: ES.
- patrushevae** IVASCHENKO, 1978: Parazitologiya, 12(4): 310 (*Schoenbaueria*). Type-locality: rivulets in Furmanovsky and Komsomolsky rayon, Ivanovo district (USSR).—Distr.: USSR: CET.
- peetsi** ENDERLEIN, 1921: Dt. tierärztl. Wschr., 29(16): 200 (*Schönbaueria*). Type-locality: "Berlin".—Distr.: Europe: D, DDR, S.
- pseudopusilla** RUBZOV, 1956: Fauna USSR, 6(6), Simuliidae, 2 Ed.: 533 (*Schönbaueria*). Type-locality: Dzhabaya river, Atbasar (Kazakhstan, USSR).—Distr.: USSR: KZ.
- pusilla** (FRIES, 1824): Monogr. simularum sveciae, 1: 16 (*Simulia*). Type-localities: "Ad pagos Turtolam et Kardis in paroecia Tornoa superiori Bothniae borealis" (Finland).—Distr.: Europe: CS, D, DDR, F, N, PL, R, S, SF; USSR: NET, CET, WS, ES, FE.

- fridolini* (RUBZOV, 1940): Fauna USSR, 6(6), Simuliidae: 1 Ed.: 399 (*Simulium* (*Schönbaueria*)). Type-locality: Northern Ural (USSR).
- rangiferina* (RUBZOV, 1956): Fauna USSR, 6(6), Simuliidae, 2 Ed.: 479 (*Eusimulium*). Type-locality: Durim river, Malozemelskaya Tundra, Arkhangel'sk district (USSR).—Distr.: USSR: NET, WS, ES.
- rubzovia* IVASCHENKO, 1978: Parazitologiya, 12(4): 306 (*Schoenbaueria*). Type-locality: rivulet nr Markovo, Komsomolsky rayon, Ivanovo district (USSR).—Distr.: USSR: CET.
- subpusilla* (RUBZOV, 1940): Fauna USSR, 6(6), Simuliidae, 1 Ed.: 404 (*Simulium* (*Schönbaueria*)). Type-locality: Khibiny mounts., Kolsky peninsula (USSR).—Distr.: USSR: NET, CET, WS, ?ES.
- transbaikalica* (RUBZOV, 1940): Fauna USSR, 6(6), Simuliidae, 1 Ed.: 403 (*Simulium* (*Schönbaueria*)). Type-locality: near Ulan-Ude (Buryatia, USSR).—Distr.: USSR: ES.
- tshernovskii* RUBZOV, 1956: Fauna USSR, 6(6), Simuliidae, 2 Ed.: 534 (*Schönbaueria*). Type-locality: Listvenichnoye, Baikal lake (USSR).—Distr.: USSR: WS, ES.

### Hemicnetha ENDERLEIN, 1934

ENDERLEIN, 1934: Sber. Ges. naturf. Freunde Berl., 1934: 190.

Type-species: *Hemicnetha mexicana* ENDERLEIN, 1934: l.c.: 190 (orig. des.); not Palaeartic.

- gigantea* (RUBZOV, 1940): Fauna USSR, 6(6), Simuliidae, 1 Ed.: 503 (*Simulium* (*Schönbaueria*)). Type-locality: W. Siberia, river Obl, Juganovo (USSR).—Distr.: USSR: NET, WS.
- tsharae* YANKOVSKY, 1982: Parazitologiya, 16(3): 248 (*Hemicnetha*): Type-locality: rivulets nr Ingur, Tshara Valley (tributary of Gryaznoye lake) Tshita district (USSR).—Distr.: USSR: ES.

### Wilhelmia ENDERLEIN, 1921

ENDERLEIN, 1921: Dt. tierärztl. Wschr., 29(16): 199.

Type-species: *Atractocera lineata* MEIGEN, 1804: Klass. Besch., 1: 94 (orig. des.).

- angustifurca* RUBZOV, 1956: Fauna USSR, 6(6), Simuliidae, 2 Ed.: 557 (*Wilhelmia*). Type-localities: Podkumok and Olkhovka rivers in surroundings of Kislovodsk (Northern Caucasus, USSR) [holotype label: Kislovodsk, Podkumok river ].—Distr.: USSR: SET.
- ariasi* (SÉGUY, 1925): Eos, 1: 236 (*Simulium*). Type-locality: "Madrid" (Spain).—Distr.: Europe: E; North Africa.

- avetjanae** (RUBZOV et TERTERJAN, 1952): Dokl. Akad. Nauk armyan. SSR, 15(2): 61 (*Simulium* (*Wilhelmia*)). Type-locality: Masruk river (Armenia, USSR).—Distr.: USSR: TC.
- balcanica** ENDERLEIN, 1924: Zool. Anz., 61(11–12): 285 (*Wilhelmia*). Type-locality: “Bulgarien, Balkangebirgen, Lakatnik”.—Distr.: Europe: BG, CS, H, I, R, YU; USSR: SET, TC, SMA.
- balcanica severinensis** DINULESCU, 1966: Fauna Rep. Soc. Romania, 11(8), Simuliidae: 327 (*Wilhelmia*). Type-localities: “In R. P. Bulgaria (Vidin, Albotin). In Republica Socialista Romania: Eşelniţa (r. Mare), Ogradena (r. Mraconia), Plavişeviţa (p. Tişoviţa), Baina (p. Girboviţa), raionul Orşova; Tirol, raionul Deta; Berzasca (p. Iasul şi Mala Ogradena), raionul Moldova Noua; Cetate (p. Dernaţiu), raionul Calafat, reg. Oltenia; Cimpulung (r. Tîrgului), reg. Agreş; Ohaba (p. Alba), raionul Sebeş; reg. Hunedoara”.—Distr.: Europe: BG, R.
- dahestanica** RUBZOV, 1962: 14. Simuliidae, Fliegen pal. Reg., 3(4): 403 (*Wilhelmia*). Type-locality: “Nebenfluß des Flusses Ullu-Tschaj beim Dorf Gunna” (Northern Caucasus, USSR).—Distr.: USSR: SET (Rs), TC.
- equina** (LINNAEUS, 1758): Syst. Nat. Ed. 10, 1: 603 (*Culex*). Type-locality: Sweden.—Distr.: Europe; USSR: NET, CET, SET, TC, WS, ES; Asia: China; India. [Type-material lost: see CROSSKEY, 1970: Entomologist's mon. Mag., 106: 31].
- marginata* (MEIGEN, 1818): Syst. Besch., 1: 293 (*Simulia*). Type-localities: Austria and Germany. [Type-material lost: see ZWICK and CROSSKEY, 1981: Aquat. Ins., 2(4)(1980): 235].
- fuscipes* (FRIES, 1824): Monogr. simuliarum sveciae, 1: 17 (*Simulia*). Type-locality: “ad Esperöd Scaniae” (Sweden).
- cana* (MEIGEN, 1838): Syst. Besch., 7: 52 (*Simulium*). Type-locality: Germany: Lüttich Area. [Type-material lost: see ZWICK and CROSSKEY, 1981: Aquat. Ins., 2(4)(1980): 241].
- begbunarica* (BARANOV, 1924): Glasn. Min. poljopr. Voda, 2(7): 65 (*Simulium*). Type-localities: Serbia: Golubac, Kucevo, Zajecar (Yugoslavia). [Type-Material lost: see CROSSKEY and PETERSON, 1972: Bull. Br. Mus. nat. Hist. (B), 27(3): 203].
- brunettii* (ENDERLEIN, 1934): Sber. Ges. naturf. Freunde Berl., 1934: 191 (*Nevermannia*). Type-locality: “India” (Wales, Llandrindod-Wells—lectotype des. by CROSSKEY, 1970: Entomologist's mon. Mag., 106: 31).
- equina annulitibia** ENDERLEIN, 1922: Konowia, 1(1–2): 69 (*Wilhelmia*). Type-localities: “Marburg, ... Berlin, ... Frankfurt a. M., ... Gessen bei Hildersheim” (Germany).—Distr.: Europe: D, DDR.
- equina bianchii** (RUBZOV, 1940): Fauna USSR, 6(6), Simuliidae, 1 Ed.: 415 (*Simulium* (*Wilhelmia*), as *bianchii*). Type-locality: Lena river 14 km upward of Markovo (Yakutia, USSR).—Distr.: USSR: ES.
- equina falcata** ENDERLEIN, 1921: Sber. Ges. naturf. Freunde Berl., 1921: 214 (*Wilhelmia*). Type-localities: “Berlin, ... England”.—Distr.: Europe: DDR, GB, YU.

- brnizensis* (BARANOV, 1924): Glasn. Min. poljopr. Voda, 2(7): 65 (*Simulium*).  
Type-locality: "Brniza an der Donau" (Yugoslavia) ("Yugoslavia: Serbia, near Golubaz, Brniza"—lectotype des. by CROSSKEY and PETERSON, 1972: Bull. Br. Mus. nat. Hist. (B), 27(3): 203).
- equina ivashentzovi** (RUBZOV, 1940): Fauna USSR, 6(6), Simuliidae, 1 Ed.: 414 (*Simulium* (*Wilhelmia*), as *ivashentzovi*). Type-locality: Lubanj, Leningrad district (USSR).—Distr.: Europe: R; USSR: NET, CET.
- equina orichalcea** ENDERLEIN, 1922: Konowia, 1(1-2): 69 (*Wilhelmia*). Type-locality: "England".—Distr.: Europe: GB.
- fluminicola** RIVOCSECCI, 1972: Riv. Parassit., 33(2): 153 (*Wilhelmia*, as subsp. of *mediterranea* PURI). Type-locality: "Fiume Clitunno" (Italy).—Distr.: Europe: BG, E, F, GR, I, P, R, YU; USSR: SET, TC, KZ, SMA; Asia: Turkey, Israel, Lebanon; North Africa: Algeria, Morocco, Tunisia; Canary Is.; Northwestern India.
- mediterranea*: authors after PURI (not *mediterranea* PURI, 1925).
- fluminicola sulfuricola** RIVOCSECCI, 1972: Riv. Parassit., 33(2): 147 (*Wilhelmia*, as subsp. of *mediterranea* PURI). Type-locality: "sorgenti sulfuree di Saturnia, Toscana" (Italy).—Distr.: Europe: I.
- golani** (BEAUCOURNU-SAGUEZ et BRAVERMAN, 1977): Bull. Soc. Path. exot., 69(3) (1976): 272 (*Eusimulium* (*Wilhelmia*)). Type-localities: Syria (Golan Heights, El Quineitra, Yahudiye, Zavitnan stream).—Distr.: Asia: Syria.
- lama** (RUBZOV, 1940): Fauna USSR, 6(6), Simuliidae, 1 Ed.: 508 (*Simulium* (*Wilhelmia*)). Type-locality: "Bugas, near Khami, Sintsien" (China).—Distr.: Asia: Mongolia, China.
- lineata** (MEIGEN, 1804): Klass. Beschr., 1: 94 (*Atractocera*). Type-locality: Germany.—Distr.: Europe; USSR: CET, SET, TC, KZ; ?Asia: Japan ("Germany"—lectotype des. by CROSSKEY and DAVIES, 1972: Entomologist's Gaz., 23: 249).
- lineata danubiensis** (ZIVKOVITCH, 1955): Acad. serb. sci. Monogr., 245(4): 92 (*Simulium*, as forma of *salopiensis* EDWARDS). Type-locality: "le Danube" (Yugoslavia).—Distr.: Europe: R, YU.
- lineata salopiensis** (EDWARDS, 1927): Entomologist's mon. Mag., 63: 255 (*Simulium*, as *salopiense*). Type-locality: "Shropshire, Hants" (Great Britain).—Distr.: Europe: GB.
- paraequina** (PURI, 1933): Indian J. med. Res., 21(1): 16 (*Simulium* (*Wilhelmia*)). Type-locality: "a large stream at Wah near Hasanabdal (District Campbellpore), Punjab" (Northern Pakistan).—Distr.: USSR: SMA; India, Pakistan.
- pseudequina** (SÉGUY, 1921): Bull. Mus. natn. Hist. nat. Paris, 17: 295 (*Simulium*). Type-locality: "Montana de Tafira, . . . Tafira, . . . Bas Barranco Guini-guada" (Canary Is.).—Distr.: Europe, southern part; North Africa: Morocco, Libya, Algeria, Tunisia; Canary Is.; East Mediterranean Basin. ("Canary Is."—lectotype des. by CROSSKEY, 1981: Entomologist's Gaz., 32: 138).

- canariensis* (SÉGUY, 1921): Bull. Mus. natn. Hist. nat. Paris, 17: 292 (*Simulium*). Type-locality: "Environs de Tafira, Barranquillo de Siete Puertas" (Canary Is.) ("Canary Is."—lectotype des. by CROSSKEY, 1981: Entomologist's Gaz., 32: 138).
- mediterranea* (PURI, 1925): Ann. Mag. nat. Hist., (9) 16(92): 253 (*Simulium*, as var. of *equina* LINNAEUS). Type-localities: "Chebika and . . . Redeyef, Tunis; . . . El Outay near Biskra, Algeria; . . . Oreovica Ravine, Salonica, Macedonia; near Jerusalem, Palestine" ("Algeria"—lectotype des. by CROSSKEY, 1981: Entomologist's Gaz., 32: 138).
- barbarica* (SÉGUY, 1930): Mém. Soc. Sci. nat. phys. Maroc, 24(1): 51 (*Simulium*). Type-localities: "Fés [= Fez], . . . Haute Reraya, Grande Atlas, Morocco" ("Morocco"—lectotype des. by CROSSKEY, 1981: Entomologist's Gaz., 32: 138).
- quadrifila** GRENIER, FAURE et LAURENT, 1957: Archs Inst. Pasteur Maroc, 5(6): 236 (*Wilhelmia*). Type-locality: Morocco.—Distr.: North Africa: Morocco.
- quarta** BARANOV, 1926: Neue Beitr. syst. Insektenk., 3(19–20): 186 (*Wilhelmia*, as forma of *equina* LINNAEUS). Type-locality: Yugoslavia.—Distr.: Europe: YU ("Yugoslavia: Serbia, Golubac"—lectotype des. by CROSSKEY and PETERSON, 1972: Bull. Br. Mus. nat. Hist. (B), 27(3): 209).
- sangrensis** RIVOSECCHI, 1967: Parassitologia, 9(3): 241 (*Wilhelmia*). Type-locality: "fiume Sangro (Opi), Abruzzo" (Italy).—Distr.: Europe: I.
- secunda** BARANOV, 1926: Neue Beitr. syst. Insektenk., 3(19–20): 186 (*Wilhelmia*, as forma of *equina* LINNAEUS). Type-locality: "Treska (Macedonien)" (Yugoslavia).—Distr.: Europe: BG, R, YU.
- sergenti** (EDWARDS, 1923): Archs Inst. Pasteur Algér., 1(4): 652 (*Simulium*). Type-locality: Algeria (near Biskra, el Outaya).—Distr.: Europe: E; North Africa: Algeria.
- stylata** BARANOV, 1926: Neue Beitr. syst. Insektenk., 3(19–20): 184 (*Wilhelmia*). Type-locality: "Treska" (Yugoslavia).—Distr.: Europe: YU. [Type-material lost: see CROSSKEY and PETERSON, 1972: Bull. Br. Mus. nat. Hist. (B), 27(3): 211].
- takahasii** RUBZOV, 1962: 14. Simuliidae, Fliegen pal. Reg., 3(4): 411 (*Wilhelmia*). Type-locality: "Japonia".—Distr.: Asia: Japan.
- tertia** BARANOV, 1926: Neue Beitr. syst. Insektenk., 3(19–20): 186 (*Wilhelmia*, as forma of *equina* LINNAEUS). Type-localities: "Tuman (Serbien), . . . Treska (Macedonien)" (Yugoslavia).—Distr.: Europe: YU; USSR: SET [Type-material lost: see CROSSKEY and PETERSON, 1972: Bull. Br. Mus. nat. Hist. (B), 27(3): 210].
- transcaucasica** RUBZOV, 1956: Fauna USSR, 6(6), Simuliidae, 2 Ed.: 565 (*Wilhelmia*). Type-locality: Kasakh river (Armenia, USSR).—Distr.: USSR: TC.
- turgaica** (RUBZOV, 1940): Fauna USSR, 6(6), Simuliidae, 1 Ed.: 411 (*Simulium* (*Wilhelmia*), as var. of *salopiensis* EDWARDS). Type-localities: Kazakh-

stan: Alma-Ata; . . . Iran: Shachrud [syntypes labels: Semir, near Alma-Ata].—Distr.: USSR: TC, KZ, SMA (Tu, Ki, Tj); Asia: Iran, China.

**veltistshevi** (RUBZOV, 1940): Fauna USSR, 6(6), Simuliidae, 1 Ed.: 413 (*Simulium* (*Wilhelmia*)). Type-locality: Hissar mount. range (Tajikistan, USSR).—Distr.: Europe: R; USSR: SET (Crimea), TC (Az), KZ, SMA; Asia: China.

**zetlandensis** (DAVIES, 1966): Trans. R. ent. Soc. Lond., 118(14): 467 (*Simulium* (*Wilhelmia*)). Type-locality: "Shetland: Main Is., Burn of Roewater" (Great Britain).—Distr.: Europe: GB.

### **Psilozia** ENDERLEIN, 1936

ENDERLEIN, 1936: Sber. Ges. naturf. Freunde Berl., 1936: 113.

Type-species: *Simulium groenlandicum* ENDERLEIN, 1935: Sber. Ges. naturf. Freunde Berl., 1935: 363 (orig. des.) [= *vittata* (ZETTERSTEDT, 1838)].

*Neosimulium* VARGAS, MARTINEZ PALACIOS et DIAZ NAJERA, 1946: Revta Inst. Salubr. Enferm. trop., 7(3): 103 (as subgenus of *Simulium* LATREILLE, 1802). Type-species: *Simulia vittatum* ZETTERSTEDT, 1838: Insecta Lapp.: 802 (orig. des.).

**vittata** (ZETTERSTEDT, 1838): Insecta Lapp.: 802 (*Simulia*). Type-locality: "Laponia sveciae" (Sweden).—Distr.: Europe; Nearctic Region (Canada, USA, Greenland).

*nasale* (GISTL, 1848): Naturgesch. Thierr.: 151 (*Simulium*). Type-locality: not given (?nomen nudum).

*dahlgruni* (ENDERLEIN, 1921): Sber. Ges. naturf. Freunde Berl., 1921: 214 (*Wilhelmia*). Type-locality: "Sardinien" (Italy).

### **Boophthora** ENDERLEIN, 1921

ENDERLEIN, 1921: Dt. tierärztl. Wschr., 29(16): 199.

Type-species: *Simulia argyreata*: ENDERLEIN, 1921: l.c.: 199 (not *argyreata* MEIGEN, 1838) (orig. des.) [= *Tipula erythrocephala* DE GEER, 1776] [A case of misidentified type-species, to be solved by the International Committee of Zoological Nomenclature (ICZN, 70a)].

**bujakovi** (RUBZOV, 1940): Fauna USSR, 6(6), Simuliidae, 1 Ed.: 393 (*Simulium* (*Boophthora*)). Type-locality: river Usolka, tributary of river Belaya (Eastern Siberia, USSR).—Distr.: USSR: ES.

**chelevini** IVASCHENKO, 1968: Природа Ивановской области: 125 (*Boophthora*). Type-localities: Uvod, Molokhta, Talka, Ukhtokhma rivers, Ivanovo district (USSR).—Distr.: USSR: CET.

- erythrocephala** (DE GEER, 1776): Mém. Ins., 6: 431 (*Tipula*). Type-locality: not given.—Distr.: Europe; USSR: NET, CET, SET, KZ, WS, ES, FE; North Africa; Nearctic Region.
- sericata* (MEIGEN, 1830): Syst. Besch., 6: 310 (*Simulia*). Type-locality: not given (?Germany) [?Denmark or Germany: see ZWICK and CROSSKEY, 1981: Aquat. Ins., 2(4)(1980): 237].
- erythrocephala mihalyii** RUBZOV, 1967: Annls hist.-nat. Mus. natn. hung., 59: 315 (*Boophthora*). Type-locality: "Kenderes" (Hungary).—Distr.: Europe: H.
- sinensis** ENDERLEIN, 1933: Dt. ent. Z., 3: 287 (*Boophthora*). Type-locality: "China".—Distr.: Asia: Mongolia, China.
- yonagoensis** (OKAMOTO, 1958): Jap. J. sanit. Zool., 9(1): 39 (*Simulium* (*Boophthora*)). Type-localities: Tottori and Yonago city areas (Japan).—Distr.: Asia: Japan.
- yonagoensis makunbei** ONO, 1977: Jap. J. sanit. Zool., 28(2): 186 (*Boophthora*). Type-locality: "stream of Makunbetsu mineral-spring, eastern part of Obihiro" (Japan).—Distr.: Asia: Japan (Hokkaido).

### **Obuchovia** RUBZOV, 1947

RUBZOV, 1947: Izv. Akad. Nauk SSSR (ser. biol.), 1: 90 (as subgenus of *Simulium* LATREILLE, 1802).

Type-species: *Simulium* (*Obuchovia*) *albellum* RUBZOV, 1947: l.c.: 116 (mon.).

Reference: CROSSKEY, 1967: Trans. R. ent. Soc. Lond., 119: 31.

- adornata** RUBZOV, 1956: Fauna USSR, 6(6), Simuliidae, 2 Ed.: 590 (*Obuchovia*). Type-locality: beginning of Belaya river (Northern Caucasus, USSR).—Distr.: USSR: SET (Rs).
- albella** (RUBZOV, 1947): Izv. Akad. Nauk SSSR (ser. biol.), 1: 116 (*Simulium* (*Obuchovia*)). Type-localities: Hissar mount. range; Karzhantau (Tajikistan, Kazakhstan, USSR) [holotype label: Varzob river., Hissar mount. range, Tajikistan].—Distr.: USSR: KZ, SMA.
- auricoma** (MEIGEN, 1818): Syst. Besch., 1: 296 (*Simulia*). Type-locality: Austria.—Distr.: Europe: A, CS, D, DDR, E, F, I, R, YU; USSR: SET [Type-material lost: see ZWICK and CROSSKEY, 1981: Aquat. Ins., 2(4)(1980): 236].
- biseriata** (RUBZOV, 1940): Fauna USSR, 6(6), Simuliidae, 1 Ed.: 330 (*Simulium* (*Astega*)). Type-locality: "mount Anab (Tibet)" (China).—Distr.: Asia: China.
- brevifilis** RUBZOV, 1956: Fauna USSR, 6(6), Simuliidae, 2 Ed.: 591 (*Obuchovia*). Type-locality: Katsha river (Crimea, USSR).—Distr.: Europe: I, R; USSR: SET.

- continii** RIVOSECCHI et CARDINALI, 1975: Riv. Parassit., **36**(1): 70 (*Obuchovia*). Type-locality: "Belri" (Italy).—Distr.: Europe: I (Sardinia).
- djerdapensis** (BARANOV, 1937): Vet. Arch. Zagreb, **7**(5): 258 (*Simulium*). Type-localities: "Croatia, . . . Germania".—Distr.: Europe: D, DDR, YU. ["Yugoslavia: Serbia, Golubac": see CROSSKEY and PETERSON, 1972: Bull. Br. Mus. nat. Hist. (B), **27**(3): 205].
- emiliae** RUBZOV, 1976: Ent. Obozr., **55**(1): 219 (*Obuchovia*). Type-locality: Shakh-Dara, 60 km upward of Roshtkala (Western Pamir, USSR).—Distr.: USSR: SMA (Tj).
- galloprovincialis** (GIUDICELLI, 1962): Bull. Soc. Path. exot., **55**: 882 (*Simulium*). Type-locality: Bayonne, near Aix-en-Provence (France).—Distr.: Europe: F, I.
- margaritae** RUBZOV, 1956: Fauna USSR, **6**(6), Simuliidae, 2 Ed.: 581 (*Obuchovia*). Type-locality: Kasakh river (Armenia, USSR).—Distr.: USSR: TC.
- popovae** (RUBZOV, 1940): Trudy sevan. hydrobiol. Stn, **6**: 81 (*Simulium*) (*Wilhelmia*). Type-locality: Zangi river (Armenia, USSR).—Distr.: USSR: TC.
- terminasjanae* (TERTERJAN, 1952): Dokl. Akad. Nauk armyan. SSR, **15**(3): 91 (*Simulium* (*Obuchovia*)). Type-localities: Azat river, Kotaysky rayon; Megriget river Canyon, Megrinsky rayon (Armenia, USSR).
- popovae atrofusca** RUBZOV, 1956: Fauna USSR, **6**(6), Simuliidae, 2 Ed.: 588 (*Obuchovia*). Type-locality: Akhtinsky rayon (Armenia, USSR).—Distr.: USSR: TC (Arm).
- seguisina** COUVERT, 1968: Bull. Soc. ent. ital., **98**(7-8): 85 (*Obuchovia*). Type-locality: "Frangerello a monte di Villar Focchiardo, Valle di Susa" (Piemonte, Italy).—Distr.: Europe: I.
- transcaspica** (ENDERLEIN, 1921): Sber. Ges. naturf. Freunde Berl., **1921**: 223 (*Simulium*). Type-locality: "Aschabad" (Turkmenia, USSR).—Distr.: USSR: SMA (Tu).
- ochrescentipes* (ENDERLEIN, 1921): Sber. Ges. naturf. Freunde Berl., **1921**: 224 (*Simulium*). Type-locality: "Farutza" [= Firusa] (Turkmenia, SSR).
- versicolor** RUBZOV, 1956: Fauna USSR, **6**(6), Simuliidae, 2 Ed.: 590 (*Obuchovia*). Type-locality: Alma-Ata, Natn. Park (Kazakhstan, USSR).—Distr.: USSR: KZ, SMA.

### **Crosskeyellum** GRENIER et BAILLY-CHOUMARA, 1970

GRENIER and BAILLY-CHOUMARA, 1970: Cah. ORSTOM, ser. Ent. Med. Parasit., **8**(1): 96 (as subgenus of *Simulium* LATREILLE, 1802).

Type-species: *Simulium gracilipes* EDWARDS, 1921: Ann. Mag. nat. Hist., (9) **7**: 143 (orig. des.).

**gracilipes** (EDWARDS, 1921): Ann. Mag. nat. Hist., (9) **7**: 143 (*Simulium*). Type-locality: "Morocco, Fez".—Distr.: North Africa: Morocco.



**Gnus** RUBZOV, 1940

RUBZOV, 1940: Fauna USSR, **6**(6), Simuliidae, 1 Ed.: 363 (as subgenus of *Simulium* LATREILLE, 1802).

Type-species: *Simulium decimatum* DOROGOSTAJSKY, RUBZOV et VLASENKO, 1935: Parazit. Sb. zool. Inst. Moskva, **5**: 145 (orig. des.).

**acrotrichum** (RUBZOV, 1956): Fauna USSR, **6**(6), Simuliidae, 2 Ed.: 823 (*Simulium*).

Type-locality: Alty-Arayskoye, Fergana Valley (Uzbekistan, USSR).—

Distr.: USSR: KZ, SMA, WS, ES.

**bidentatum** (SHIRAKI, 1935): Mem. Fac. Agric. Taihoku imp. Univ., **16**(1): 34

(*Odagmia*). Type-locality: “Jifuku, Yamaguchi-Prefecture” (Japan).—

Distr.: Asia: Japan.

**cholodkovskii** (RUBZOV, 1939): Parazit. Sb. zool. Inst. Moskva, **7**: 194 (*Simulium*).

Type-localities: Uda, Onon rivers (Transbaikalia, USSR) [holotype

label: Uda river].—Distr.: USSR: CET, WS, ES, FE; Asia: Mongolia.

**daisense** TAKAHASI, 1950: Monogr. ins. japonicorum: 1558 (*Gnus*). Type-locality:

Japan.—Distr.: Asia: Japan.

**decimatum** (DOROGOSTAJSKY, RUBZOV et VLASENKO, 1935): Parazit. Sb. zool. Inst.

Moskva, **5**: 145 (*Simulium*). Type-locality: Irkut river (Baikal region,

USSR).—Distr.: USSR: CET, WS, ES, FE.

*wagneri* (RUBZOV, 1940): Fauna USSR, **6**(6), Simuliidae, 1 Ed.: 450

(*Simulium*). Type-locality: W Siberia, Altay mounts (USSR).

**decimatum xerophilum** RUBZOV, 1969: Reichenbachia, **12**(11): 119 (*Gnus*). Type-

locality: “Central aimak, 2–7 km vom Somon-Lun” (Mongolia).—

Distr.: Asia: Mongolia.

**forsi** CARLSSON, 1962: Opusc. ent., Suppl., **21**: 90 (*Gnus*). Type-locality: “Sweden,

... Bispfors”.—Distr.: Europe: D, DDR, N, S.

**fulvipes** ONO, 1978: Jap. J. sanit. Zool, **29**(4): 299 (*Gnus*). Type-locality: “stream of

the left tributary of the Assabu river, Hiyama-gun, Hokkaido”

(Japan).—Distr.: Asia: Japan.

**gabovae** RUBZOV, 1966: Гидробиологическое изучение и рыбохозяйственное

освоение озёр Крайнего Севера СССР: 106 (*Gnus*). Type-locality: Inta

river (Komi ASSR, USSR).—Distr.: USSR: NET.

**ibariense** (ZIVKOVITCH et GRENIER, 1959): Bull. Soc. Path. exot., **52**(2): 215

(*Simulium*). Type-locality: “les Gorges de l'Ibar, à des Endroits éloignés

de 2 à 9 km de la petite ville de Raska” (Yugoslavia).—Distr.: Europe: BG,

CS, D, DDR, PL, R, YU.

*novaki* (KNOZ, 1960): Čas. čsl. Spol. ent., **57**(4): 381 (*Simulium*). Type-locality:

in the river Jihlava in southern Moravia (Czechoslovakia).

**jacuticum** (RUBZOV, 1940): Fauna USSR, **6**(6), Simuliidae, 1 Ed.: 365 (*Simulium*

(*Gnus*)). Type-locality: East Siberia: Yakutsk, river Lena (USSR).—

Distr.: USSR: ES, FE.

- kisoense** (UEMOTO, ONISHI et ORII, 1974): Jap. J. sanit. Zool., **25**(3): 217 (*Simulium* (*Gnus*)). Type-locality: "Nishino stream, Kiso Kaida village, Nagano pref." (Japan).—Distr.: Asia: Japan.
- kyushuense** (TAKAOKA, 1978): Jap. J. trop. med. Hyg., **6**(1): 9 (*Simulium* (*Gnus*)). Type-locality: "Kikuchi river, Hichijo, Kikuchi-gun, Kumamoto pref." (Kyushu, Japan).—Distr.: Asia: Japan.
- malyschevi** (DOROGOSTAJSKY, RUBZOV et VLASENKO, 1935): Parazit. Sb. zool. Inst. Moskva, **5**: 142 (*Simulium*). Type-locality: Ushakovka river near Irkutsk (USSR).—Distr.: USSR: ES, FE; Asia: China, ?Japan.
- malyschevi albipes** RUBZOV, 1956: Fauna USSR, **6**(6), Simuliidae, 2 Ed.: 615 (*Gnus*). Type-localities: Transbaikalia (Bryanka river), Maritime territory (Lozovikha river near Khinandon), Suputinsky Natn. Park, Kedrovaya Pad Natn. Park (USSR) [holotype label: Kedrovaya Pad, Maritime territory].—Distr.: USSR: ES, FE.
- malyschevi lucidum** RUBZOV, 1956: Fauna USSR, **6**(6), Simuliidae, 2 Ed.: 616 (*Gnus*). Type-locality: Angara river (Baikal region, USSR).—Distr.: USSR: ES.
- mongolicum** RUBZOV, 1969: Reichenbachia, **12**(11): 123 (*Gnus*). Type-locality: "Archangaj aimak, Changaj-Gebirge, 8 km vom Somon-Urdtampir" (Mongolia).—Distr.: Asia: Mongolia.
- nacojapi** (SMART, 1944): Proc. R. ent. Soc. Lond. (B), **13**: 133 (*Simulium*, as new name for *japonicum* SHIRAKI, 1935, a junior primary homonym of *S. japonicum* MATSUMURA, 1911: 62).—Distr.: USSR: ES, FE; Asia: Japan.  
*japonicum* (SHIRAKI, 1935): Mem. Fac. Agric. Taihoku imp. Univ., **16**(1): 43 (*Simulium*). Type-localities: "Jifuku, Yamaguchi-Pref., . . . Nakagawara, Tottori-Pref., . . . Yokote, Shimane-Pref." (Japan).
- pavlovskii** (RUBZOV, 1940): Fauna USSR, **6**(6), Simuliidae, 1 Ed.: 530 (*Simulium* (*Gnus*)). Type-localities: Lower part of Amur river valley (Khalzan river, Nizhnetambovskoye); Ussuri region (Kamenushka river) [holotype label: Kamenushka river, Maritime territory].—Distr.: USSR: ES, FE; Asia: China.
- ishikawae* (TAKAHASI, 1940): Insecta matsum., **15**(1–2): 71 (*Simulium*). Type-locality: "Aerhshan" (Northeastern China).
- rostratum** (LUNDSTRÖM, 1911): Acta Soc. Fauna Flora fenn., **34**: 14 (*Melusina*, as var. of *reptans* LINNAEUS). Type-localities: "Kuusto, . . . Abo, Eriksberg, . . . Helsinge, . . . Kangasala, . . . Wiborg, . . . Rautus, . . . Kuopio, . . . Kontiolaks, . . . Muonio, . . . Kittilä, . . . Enontekis" (Finland).—Distr.: Europe: N, S, SF; USSR: NET, CET, WS, ES, FE.
- relictum* (RUBZOV, 1940): Fauna USSR, **6**(6), Simuliidae, 1 Ed.: 425 (*Simulium*). Type-locality: river Malaya Iretj, East Siberia (Transbaikalia, USSR).
- rubroflavifemur** (RUBZOV, 1940): Fauna USSR, **6**(6), Simuliidae, 1 Ed.: 436 (*Simulium*). Type-locality: Bugas near Khami, Sintsien (China).—Distr.: Asia: China.

- saccatum** RUBZOV, 1956: Fauna USSR, **6**(6), Simuliidae, 2 Ed.: 624 (*Gnus*). Type-locality: mounts near Tayan, Shandun prov. (China).—Distr.: USSR: FE; Asia: China.
- subvariegatum** (RUBZOV, 1940): Fauna USSR, **6**(6), Simuliidae, 1 Ed.: 439 (*Simulium*). Type-locality: Belaya river (Baikal region, USSR).—Distr.: USSR: ES, FE; Asia: Mongolia.
- vigintifile** DINULESCU, 1966: Fauna Rep. Soc. Romania, **11**(8), Simuliidae: 363 (*Gnus*). Type-localities: "Cerna (p. Bobotu) reg. Oltenia; Ohaba (p. Alb) raionul Sebeş, reg. Hunedoara; Coronini (p. Cota 270) raionul Moldova Noua, reg. Banat" (Roumania).—Distr.: Europe: R.

### **Odagmia** ENDERLEIN, 1921

- ENDERLEIN, 1921: Dt. tierärztl. Wschr., **29**(16): 199.  
Type-species: *Simulia ornata* MEIGEN, 1818: Syst. Besch., **1**: 290 (orig. des.).
- Discosphyria* ENDERLEIN, 1922: Konowia, **1**(1–2): 72. Type-species: *Discosphyria odagmiina* ENDERLEIN, 1922: l.c.: 72 (orig. des.).
- Pseudodagmia* BARANOV, 1926: Neue Beitr. syst. Insektenk., **3**(19–20): 184 (as subgenus of *Odagmia*). Type-species: *Simulia variegata* MEIGEN, 1818: Syst. Besch., **1**: 292 (orig. des.).
- angustimanus** ENDERLEIN, 1921: Sber. Ges. naturf. Freunde Berl., **1921**: 217 (*Odagmia*). Type-locality: "Sächs. Erzgebirge, Oberwisenthal" [DDR].—Distr.: Europe: DDR.
- wilhelmiana* ENDERLEIN, 1921: Sber. Ges. naturf. Freunde Berl., **1921**: 217 (*Odagmia*). Type-locality: "Sächs. Erzgebirge, Oberwisenthal" [DDR].
- aokii** TAKAHASI, 1941: Insecta matsum., **15**(3): 86 (*Odagmia*). Type-locality: "Tuyutani, Tottori-ken" (Japan).—Distr.: USSR: FE (Southern part); Asia: Japan.
- argyreata** (MEIGEN, 1838): Syst. Besch., **7**: 52 (*Simulia*). Type-locality: Germany.—Distr.: Europe: CS, D, DDR, F, GB, I, PL, S, SF ["Germany, Stolberg": see ZWICK and CROSSKEY, 1981: Aquat. Ins., **2**(4) (1980): 239].
- obreptans* (EDWARDS, 1920): Bull. ent. Res., **11**: 225 (*Simulium*). Type-locality: "Harz mounts" (Germany).
- montana* (ENDERLEIN, 1921): Sber. Ges. naturf. Freunde Berl., **1921**: 221 (*Simulium*). Type-locality: "Sächsisches Erzgebirge, Oberwisenthal" [DDR].
- polae* (SMART, 1944): Proc. R. ent. Soc. Lond. (B), **13**: 134 (*Simulium*, as new name for *montanum* ENDERLEIN, 1921, a junior primary homonym of *S. montanum* PHILIPPI, 1865: 633).
- celtica* (DOBY et RAULT, 1960): Bull. Soc. sci. ent. Bretagne, **35**: 242 (*Simulium*, as var. of *monticola* FRIEDERICHs). Type-localities: "provenance de

- l'Ouest de la France, . . . Pyrénées, . . . Vosges, . . . Ardennes, . . . Savoie, . . . Dordogne" (France).
- rheophila* KNOZ, 1961: Zool. Listy, **10**(24): 113 (*Odagmia*). Type-locality: "Belokamenny potok [brook], Mala Moravka, the Jeseniky mounts" (Czechoslovakia).
- daviesi* RUBZOV, 1964: 14. Simuliidae, Fliegen pal. Reg., **3**(4): 614 (*Odagmia*, as var. of *monticola* FRIEDERICH'S). Type-locality: "Glentar in der Grafschaft Pertshire" (Great Britain).
- edwardsi* RUBZOV, 1964: 14. Simuliidae, Fliegen pal. Reg., **3**(4): 615 (*Odagmia*, as var. of *monticola* FRIEDERICH'S). Type-locality: "Gross-Hill. Cumberland" (Great Britain).
- stenostyla* RUBZOV et CARLSSON, 1965: Acta Univ. lund., **2**(18): 28 (*Odagmia*, as subsp. of *monticola* FRIEDERICH'S). Type-locality: "Hemavan, Ly. Lpm. Sweden".
- baranovi** (SMART, 1945): Trans. R. ent. Soc. Lond., **95**(8): 528 (*Simulium*, as new name for *tenuitarsus* BARANOV, 1937, a junior primary homonym of *S. tenuitarsus* PURI, 1933: 809).—Distr.: Europe: YU.
- tenuitarsus* BARANOV, 1937: Vet. Arch. Zagreb, **7**(5): 264 (*Odagmia*). Type-locality: "Croatia, Zagreb" (Yugoslavia).
- bimaculata** RUBZOV, 1956: Fauna USSR, **6**(6), Simuliidae, 2 Ed.: 682 (*Odagmia*). Type-locality: Karzhantau, coast of Su-Singan lake (Uzbekistan, USSR).—Distr.: Europe: ?R; USSR: KZ, SMA (Uz).
- bronchialis** RUBZOV, 1962: 14. Simuliidae, Fliegen pal. Reg., **3**(4): 464 (*Odagmia*). Type-locality: "Fluß Jastscher, Bezirk Luga, Gebiet Leningrad" (USSR).—Distr.: USSR: CET.
- caucasica** (RUBZOV, 1940): Fauna USSR, **6**(6), Simuliidae, 1 Ed.: 387 (*Simulium* (*Odagmia*), as var. of *ornata* MEIGEN). Type-locality: surroundings of Yerevan (Armenia, USSR).—Distr.: Europe: BG, CS, R; USSR: SET, TC; Asia: Turkey.
- caucasica abaca** RUBZOV, 1963: 14. Simuliidae, Fliegen pal. Reg., **3**(4): 467 (*Odagmia*). Type-locality: "Fluß Dschuwun-Tschaj, dem Nebenfluß von Ullutschaj" (Northern Caucasus, USSR).—Distr.: USSR: SET.
- caucasica cisalpina** RUBZOV, 1956: Fauna USSR, **6**(6), Simuliidae, 2 Ed.: 655 (*Odagmia*). Type-locality: sources, tributaries of Azat river at Garni (Armenia, USSR).—Distr.: Europe: R; USSR: TC.
- caucasica longicaulis** RUBZOV, 1956: Fauna USSR, **6**(6), Simuliidae, 2 Ed.: 656 (*Odagmia*). Type-locality: Dartsh-Kokh river (Northern Caucasus, USSR).—Distr.: USSR: SET, TC (Arm).
- caucasica maculitibia** RUBZOV, 1963: 14. Simuliidae, Fliegen pal. Reg., **3**(4): 468 (*Odagmia*). Type-locality: "in den Fluß Dschuwun-Tschaj" (Northern Caucasus, USSR).—Distr.: USSR: SET.
- caucasica minutistyli** RUBZOV, 1963: 14. Simuliidae, Fliegen pal. Reg., **3**(4): 467 (*Odagmia*). Type-locality: "Fluß Ullu-Tschaj" (Northern Caucasus, USSR).—Distr.: USSR: SET.

- caucasica sevanensis** (RUBZOV et TERTERJAN, 1952): Dokl. Akad. Nauk armyan. SSR, 15(2): 60 (*Simulium*). Type-locality: Basargitshar (Armenia, USSR).—Distr.: USSR: TC (Arm).
- [**christophersi** (PURI, 1932): Indian J. med. Res., 19(3): 906 (*Simulium (Odagmia)*). Type-locality: “Naga-Nag, Kashmir” (India).—Distr.: USSR: ?SMA; India (Himalaya).]
- crassifila** (RUBZOV, 1947): Izv. Akad. Nauk SSSR (ser. biol.), 1: 115 (*Simulium, (Odagmia)*). Type-locality: Hissar mount. range (Tajikistan, USSR).—Distr.: USSR: SMA (Tj).
- croatica** BARANOV, 1937: Vet. Arch. Zagreb, 7(5): 263 (*Odagmia*). Type-localities: “Croatia, . . . Germania”.—Distr.: Europe: D, DDR, YU. (“Yugoslavia, Croatia, Zagreb”—lectotype des. by CROSSKEY and PETERSON, 1972: Bull. Br. Mus. nat. Hist. (B), 27(3): 197).
- croatica decolorata** BARANOV, 1937: Vet. Arch. Zagreb, 7(5): 264 (*Odagmia*). Type-localities: “Croatia, . . . Germania”.—Distr.: Europe: D, DDR, YU. (“Yugoslavia: Croatia, Zagreb”—lectotype des. by CROSSKEY and PETERSON, 1972: Bull. Br. Mus. nat. Hist. (B), 27(3): 197).
- croatica nigrina** BARANOV, 1937: Vet. Arch. Zagreb, 7(5): 264 (*Odagmia*). Type-localities: “Croatia, . . . Germania”.—Distr.: Europe: D, DDR, YU. (“Yugoslavia: Croatia, Zagreb”—lectotype des. by CROSSKEY and PETERSON, 1972: Bull. Br. Mus. nat. Hist. (B), 27(3): 197).
- curvifila** RIVOSECCHI, 1963: Riv. Parassit., 24(2): 131 (*Odagmia*). Type-locality: “Una piccola palude nel massivo del Matese” (Campania, Italy).—Distr.: Europe: I.
- debacli** (TERTERJAN, 1952): Dokl. Akad. Nauk armyan. SSR, 15(3): 89 (*Simulium (Odagmia)*). Type-locality: source on Tashtun Pass (Armenia, USSR).—Distr.: USSR: TC.
- deserticola** (RUBZOV, 1940): Fauna USSR, 6(6), Simuliidae, 1 Ed.: 391 (*Simulium (Odagmia)*). Type-locality: Basin of the Kobdo river, . . . Northwestern Mongolia . . .—Distr.: USSR: SMA; Asia: Mongolia.
- egregia** (SÉGUY, 1930): Mém. Soc. Sci. nat. phys. Maroc, 24(1): 23 (*Simulium*). Type-locality: Haute Reraya, High Atlas (Morocco).—Distr.: North Africa: Morocco.
- exilis** RUBZOV, 1956: Fauna USSR, 6(6), Simuliidae, 2 Ed.: 680 (*Odagmia*). Type-locality: Agsu river (Azerbaijan, USSR).—Distr.: Europe: R; USSR: TC.
- ferganica** (RUBZOV, 1940): Fauna USSR, 6(6), Simuliidae, 1 Ed.: 376 (*Simulium (Odagmia)*). Type-locality: Middle Asia, Michailovka, Kugart range (Fergana region, USSR).—Distr.: USSR: WS, KZ, SMA.
- flaveola** (RUBZOV, 1940): Fauna USSR, 6(6), Simuliidae, 1 Ed.: 531 (*Simulium (Odagmia)*, as var. of *ornata* MEIGEN). Type-locality: Kondarinka river (Tajikistan, USSR).—Distr.: USSR: WS (Altay), SMA (Uz, Ki, Tj).
- fontana** (TERTERJAN, 1951): Dokl. Akad. Nauk armyan. SSR, 14(2): 49 (*Simulium*). Type-locality: Delizhansky rayon (Armenia, USSR).—Distr.: Europe: R; USSR: SET, TC.

- frigida** (RUBZOV, 1940): Fauna USSR, 6(6), Simuliidae, 1 Ed.: 531 (*Simulium* (*Odagmia*), as subsp. of *ornata* MEIGEN). Type-locality: Eastern Siberia (USSR) [holotype label: Kaya river, E Siberia].—Distr.: Europe: N, ?R, S, SF; USSR: NET, CET, WS, ES, ?FE.
- fusca** RUBZOV, 1963: 14. Simuliidae, Fliegen pal. Reg., 3(4): 465 (*Odagmia*). Type-locality: "Bach an der Bahnstation Moschaiskaja, Bezirk Lomonosow, Gebiet Leningrad" (USSR).—Distr.: USSR: NET, CET.
- gaudi** (GRENIER et FAURE, 1956): Bull. Soc. Path. exot., 49(5): 838 (*Simulium*). Type-locality: "Region de Meknés, 20 km à l'Ouest de Meknés (Pré. Rif), Oued Miet" (Morocco).—Distr.: Europe: F; North Africa: Morocco.
- gribae** RUBZOV, 1956: Fauna USSR, 6(6), Simuliidae, 2 Ed.: 692 (*Odagmia*). Type-locality: Sardzhou river, upward from Khodzha-Obi-Garm (Tajikistan, USSR).—Distr.: USSR: SMA (Tj).
- [gurneyae** (SENIOR-WHITE, 1922): Mem. Dep. Agric. Ind., 7(9): 130 (*Simulium*). Type-locality: Madras, Coonoor (India).—Distr.: ?USSR: SMA; India.]
- halonensis** TAKAHASI, 1940: Insecta matsum., 15(1-2): 70 (*Odagmia*). Type-locality: "Aerhshan" (Northeastern China).—Distr.: Asia: China.
- hibernalis** RUBZOV, 1964: 14. Simuliidae, Fliegen pal. Reg., 3(4): 613 (*Odagmia*, as subsp. of *ornata* MEIGEN). Type-locality: "Obla Fluß, Bezirk Luga, Gebiet Leningrad" (USSR).—Distr.: Europe: I; USSR: CET, SET.
- albifrons* RUBZOV, 1964: Memorie Soc. ent. ital., 43: 115 (*Odagmia*, as subsp. of *ornata* MEIGEN). Type-locality: "Piemonte: torrente presso Roccaforte" (Italy).
- [himalayensis** (PURI, 1932): Indian J. med. Res., 19(3): 885 (*Simulium* (*Simulium*)). Type-localities: "small streams around and in Simla, . . . in the hills . . . around Kasauli, near Fagu, . . . Theod . . . and Maitana, . . . all on the Hindustan-Tibet Road, and from streams in Kurseong . . . and in Darjeeling . . . both in N. E. Bengal" (India).—Distr.: ?USSR: SMA; India.]
- h-nigra** (SANTOS ABREU, 1922): Mems R. Acad. Cienc. Artes Barcelona, 17(12): 19 (*Melusina*). Type-locality: Palma Is., Barranco de Morera (Canary Is.).—Distr.: Canary Is.
- humerosa** (RUBZOV, 1947): Izv. Akad. Nauk SSSR (ser. biol.), 1: 115 (*Simulium* (*Odagmia*)). Type-locality: Hissar mount. range (Tajikistan, USSR).—Distr.: USSR: SMA.
- insolita** (SANTOS ABREU, 1922): Mems R. Acad. Cienc. Artes Barcelona, 17(12): 15 (*Melusina*). Type-locality: Palma Is., Dehesa de la Encarnacion (Canary Is.).—Distr.: Canary Is.
- intermedia** (ROUBAUD, 1906): C. r. Acad. Sci. Paris, 143: 520 (*Simulium*). Type-locality: Canary Is. ("Canary Is.": see CROSSKEY, 1964: Ann. Mag. nat. Hist., (13) 7(83): 670).—Distr.: Canary Is.
- kanchaveli** MATSCHAVARIANI, 1966: Материалы к фауне Грузии, 1: 194 (*Odagmia*). Type-locality: Otriyula river, Khashaursky rayon (Georgia, USSR).—Distr.: USSR: TC (Ge).

- karenkoensis** SHIRAKI, 1935: Mem. Fac. Agric. Taihoku imp. Univ., **16**(1): 38 (*Odagmia*). Type-locality: "Karenko, Formosa" (Taiwan).—Distr.: Asia: Japan; Taiwan.
- kiritschenkoi** (RUBZOV, 1940): Fauna USSR, **6**(6), Simuliidae, 1 Ed.: 389 (*Simulium* (*Odagmia*)). Type-localities: Iran: Baluchistan, . . . Shakhrud [holotype label: Shakhrud].—Distr.: Asia: Iran.
- konsuloffi** ENDERLEIN, 1924: Zool. Anz., **61**(11–12): 286 (*Odagmia*). Type-locality: "Tschiporovici im Balkengebirge (Stara Planina)" (Bulgaria).—Distr.: Europe: BG.
- maderensis** CARLSSON, 1963: Bolm Mus. munic. Funchal, **17**: 86 (*Odagmia*). Type-locality: Ribeira da Boaventura, Santa-Cruz (Madeira).—Distr.: Madeira Is.
- maxima** KNOZ, 1961: Zool. Listy, **10**(24): 110 (*Odagmia*). Type-locality: rivulet Moravice in Karlov, the Jeseniky mounts (Czechoslovakia).—Distr.: Europe: A, CS, D, DDR, I, PL, R, YU.
- mesasiatica** (RUBZOV, 1947): Izv. Akad. Nauk SSSR (ser. biol.), **1**: 115 (*Simulium* (*Odagmia*)). Type-locality: Alatau mount. range (Kazakhstan, USSR).—Distr.: USSR: KZ, SMA.
- monticola** (FRIEDERICHS, 1920): Sber. Abh. naturf. Ges. Rostock, **7**: 218 (*Simulium*). Type-locality: "Bergbächen des Harzes in der Gegend von Braunlage" (Germany).—Distr.: Europe: A, CS, D, DDR, E, F, I, N, PL, R, S, YU; USSR: NET, CET, SET.
- dorieri* (DOBY et RAULT, 1960): Bull. Soc. scient. Bretagne, **35**: 242 (*Simulium*). Type-localities: "provenance de l'Ouest de la France, . . . Pyrénées, . . . Vosges, . . . Ardennes, . . . Savoie, . . . Dordogne" (France).
- petrofila* RUBZOV, 1964: Memorie Soc. ent. ital., **43**: 90 (*Odagmia*, as subsp. of *monticola*). Type-locality: "Piemonte: canale a monte del Torrente Malone, Valle del Malone" (Italy).
- monticoloides** RUBZOV, 1956: Fauna USSR, **6**(6), Simuliidae, 2 Ed.: 686 (*Odagmia*). Type-locality: mount. tributaries of Kuban river (Krasnodar territory, USSR).—Distr.: Europe: BG, R; USSR: SET (Northern Caucasus).
- nigriperna** ENDERLEIN, 1922: Konowia, **1**(1–2): 71 (*Odagmia*). Type-locality: "Elsaß" (France).—Distr.: Europe: F.
- [**nilgirica** (PURI, 1932): Indian J. med. Res., **19**(3): 894 (*Simulium* (*Simulium*)). Type-locality: "Coonor" (India).—Distr.: ?USSR: SMA; India.]
- nishijimai** ONO, 1978: Kontyû, **46**(1): 43 (*Odagmia*). Type-locality: "stream of Sanke-yoppu stream at Toyo-oka, Kamishihoro, Hokkaido" (Japan).—Distr.: Asia: Japan.
- nitidifrons** (EDWARDS, 1920): Bull. ent. Res., **11**: 226 (*Simulium*, as subsp. of *ornatum* MEIGEN). Type-localities: "New Forest, . . . Brockenhurst River, . . . Beaulieu River, . . . Gidleigh Park, . . . S. Devon, . . . Shelve, Salop, . . . Berlin" (Great Britain, DDR).—Distr.: Europe: CS, D, DDR, F, GB, I, N, P, R; North Africa: Algeria.

- nitidifrons flavitibia** RIVOSECCHI, 1966: *Parassitologia*, **8**(2): 92 (*Odagmia*). Type-localities: "Sicilia (Fiume Corbo), . . . (Fiume Asinaro e Anapo), . . . Calabria (Fiume Crati)" (Italy).—Distr.: Europe: I.
- odagmiina** (ENDERLEIN, 1922): *Konowia*, **1**(1–2): 72 (*Discosphyria*). Type-locality: "Sächsisches Erzgebirge, Oberwisenthal" [DDR].—Distr.: Europe: DDR.
- oitana** SHIRAKI, 1935: *Mem. Fac. Agric. Taihoku imp. Univ.*, **16**(1): 37 (*Odagmia*). Type-locality: "Oita, Oita-Pref." (Japan).—Distr.: Asia: Japan.
- ornata** (MEIGEN, 1818): *Syst. Besch.*, **1**: 290 (*Simulia*). Type-locality: not given (?Germany).—Distr.: Europe; USSR: NET, CET, SET, KZ, WS, ?ES; ?Asia: Mongolia, Japan. ("Germany, Stolberg"—lectotype des. by ZWICK and CROSSKEY, 1981: *Aquat. Ins.*, **2**(4)(1980): 233).
- fasciata* (MEIGEN, 1830): *Syst. Besch.*, **6**: 311 (*Simulia*). Type-locality: not given (?Germany) ("Germany, Stolberg"—lectotype des. by ZWICK and CROSSKEY, 1981: *Aquat. Ins.*, **2**(4)(1980): 238).
- trifasciata* (CURTIS, 1839): *Brit. Ent.*, **16**: 765 (*Simulium*). Type-locality: "at Niton in the Isle of Wight" (Great Britain).
- oblimata* ODINTSOV, 1961: *Ent. Obozr.*, **40**(2): 346 (*Odagmia*, as var. of *ornata*). Type-locality: stream 169, Sobinka, Vladimir district (USSR).
- brevicornis* RUBZOV, 1962: *Ent. Obozr.*, **41**(4): 914 (*Odagmia*, as var. of *ornata*). Type-locality: not given (?Oka-Fluß) (USSR).
- ornata albata** RUBZOV, 1962: *14. Simuliidae, Fliegen pal. Reg.*, **3**(4): 463 (*Odagmia*). Type-locality: "Japonia".—Distr.: Asia: Japan.
- ornata amnis** RUBZOV, 1962: *14. Simuliidae, Fliegen pal. Reg.*, **3**(4): 461 (*Odagmia*). Type-locality: "Oka-Fluß" (USSR).—Distr.: USSR: CET.
- ornata anderlicecki** BARANOV, 1937: *Vet. Arch. Zagreb*, **7**(5): 263 (*Odagmia*). Type-locality: Yugoslavia.—Distr.: Europe: YU. ("Yugoslavia: Serbia, Golubac, Dedinje stream": see CROSSKEY and PETERSON, 1972: *Bull. Br. Mus. nat. Hist. (B)*, **27**(3): 198).
- ornata appenninica** RIVOSECCHI, 1966: *Riv. Parassit.*, **27**(1): 23 (*Odagmia*). Type-locality: "Sorgente di Ninfa (Latina-Lazio)" (Italy).—Distr.: Europe: I.
- ornata arensae** (RUBZOV, 1940): *Fauna USSR*, **6**(6), *Simuliidae*, 1 Ed.: 419 (*Simulium (Simulium)*, as *arensae*). Type-locality: river V. Iretj (East Siberia, USSR).—Distr.: USSR: ES.
- ornata babici** BARANOV, 1937: *Vet. Arch. Zagreb*, **7**(5): 261 (*Odagmia*). Type-locality: Yugoslavia.—Distr.: Europe: YU. ["Yugoslavia: Macedonia, Skopje, Vardar": see CROSSKEY and PETERSON, 1972: *Bull. Br. Mus. nat. Hist. (B)*, **27**(3): 198].
- ornata barensis** BARANOV, 1939: *Vet. Arch. Zagreb*, **9**(11): 600 (*Odagmia*). Type-locality: Yugoslavia.—Distr.: Europe: YU. ["Yugoslavia: Montenegro, rivulet near Bar", type-material presumably lost; see CROSSKEY and PETERSON, 1972: *Bull. Br. Mus. nat. Hist. (B)*, **27**(3): 198].
- ornata bartulici** BARANOV, 1937: *Vet. Arch. Zagreb*, **7**(5): 262 (*Odagmia*). Type-locality: Yugoslavia.—Distr.: Europe: YU. ["Yugoslavia: Serbia: Donji



- Milanovac": see CROSSKEY and PETERSON, 1972: Bull. Br. Mus. nat. Hist. (B), 27(3): 198].
- ornata borcici** BARANOV, 1937: Vet. Arch. Zagreb, 7(5): 261 (*Odagmia*). Type-locality: Yugoslavia.—Distr.: Europe: YU. ["Yugoslavia: Macedonia, Skopje": see CROSSKEY and PETERSON, 1972: Bull. Br. Mus. nat. Hist. (B), 27(3): 199].
- ornata guelminoi** BARANOV, 1937: Vet. Arch. Zagreb, 7(5): 262 (*Odagmia*). Type-locality: Yugoslavia.—Distr.: Europe: YU. ["Yugoslavia: Serbia, Nis": see CROSSKEY and PETERSON, 1972: Bull. Br. Mus. nat. Hist. (B), 27(3): 199].
- ornata nikolici** BARANOV, 1937: Vet. Arch. Zagreb, 7(5): 262 (*Odagmia*). Type-locality: Yugoslavia.—Distr.: Europe: YU. ["Yugoslavia: Serbia, Nis": see CROSSKEY and PETERSON, 1972: Bull. Br. Mus. nat. Hist. (B), 27(3): 200].
- ornata prima** BARANOV, 1926: Neue Beitr. syst. Insektenk., 3(19–20): 184 (*Odagmia*). Type-locality: "Golubaz" (Yugoslavia).—Distr.: Europe: YU. ("Yugoslavia: Serbia, Tuman"—lectotype des. by CROSSKEY and PETERSON, 1972: Bull. Br. Mus. nat. Hist. (B), 27(3): 200).
- ornata savici** BARANOV, 1937: Vet. Arch. Zagreb, 7(5): 262 (*Odagmia*). Type-locality: Yugoslavia.—Distr.: Europe: YU. ["Yugoslavia: Serbia, Pirot": see CROSSKEY and PETERSON, 1972: Bull. Br. Mus. nat. Hist. (B), 27(3): 200].
- ornata secunda** BARANOV, 1926: Neue Beitr. syst. Insektenk., 3(19–20): 184 (*Odagmia*). Type-localities: "Tuman und Skopje" (Yugoslavia).—Distr.: Europe: YU. [Type-material presumedly lost: see CROSSKEY and PETERSON, 1972: Bull. Br. Mus. nat. Hist. (B), 27(3): 200].
- ornata zagrebiensis** BARANOV, 1937: Vet. Arch. Zagreb, 7(5): 263 (*Odagmia*). Type-locality: Yugoslavia.—Distr.: Europe: YU. ("Yugoslavia: Croatia, Zagreb"—lectotype des. by CROSSKEY and PETERSON, 1972: Bull. Br. Mus. nat. Hist. (B), 27(3): 201).
- platytarsis** YANKOVSKY, 1977: Систематика и фаунистика насекомых: 99 (*Odagmia*). Type-locality: rivulet near Pivan railway station (Khabarovsk territory, USSR).—Distr.: USSR: FE.
- pontina** (RIVOSECCHI, 1960): Riv. Parassit., 21(3): 230 (*Simulium*). Type-locality: "zona Agro pontino (Italy).—Distr.: Europe: I.
- pratona** (FRIEDERICH, 1921): Z. angew. Ent., 8(1): 40 (*Simulium*, as subsp. of *ornata* MEIGEN). Type-localities: "Nordosten Mecklenburg, . . . Gegend von Hamburg" (Germany).—Distr.: Europe: BG, D, DDR, F, R, YU; USSR: CET, SET.
- rotundata** RUBZOV, 1956: Fauna USSR, 6(6), Simuliidae, 2 Ed.: 658 (*Odagmia*). Type-locality: Murmansk district, Kola peninsula (USSR) [holotype label: Polyarny Krug railway station, Karelia].—Distr.: Europe: ?R; USSR: NET, CET.

- ruficornis** BARANOV, 1926: Neue Beitr. syst. Insektenk., 3(19–20): 184 and 191 (*Odagmia*). Type-localities: “Tuman and Golubaz” (Yugoslavia).—Distr.: Europe: YU.
- baracornis* (SMART, 1944): Proc. R. ent. Soc. Lond. (B), 13: 133 (*Simulium*, an unnecessary new name for *Odagmia ruficornis* BARANOV, 1926).
- prima* BARANOV, 1926: Neue Beitr. syst. Insektenk., 3(19–20): 191 (*Odagmia*, as forma of *ruficornis*). Type-localities: “Tuman and Golubaz” (Yugoslavia) (“Yugoslavia: Serbia, Golubac”—lectotype des. by CROSSKEY and PETERSON, 1972: Bull. Br. Mus. nat. Hist. (B), 27(3): 201).
- secunda* BARANOV, 1926: Neue Beitr. syst. Insektenk., 3(19–20): 191 (*Odagmia*, as forma of *ruficornis*). Type-localities: “Tuman and Golubaz” (Yugoslavia) (“Yugoslavia: Serbia, Golubac”—lectotype des. by CROSSKEY and PETERSON, 1972: Bull. Br. Mus. nat. Hist. (B), 27(3): 202).
- ruficornis acutiphallus** RUBZOV, 1963: 14. Simuliidae, Fliegen pal. Reg., 3(4): 474 (*Odagmia*, as subsp. of *baracornis* SMART). Type-locality: “Europa” [holotype label: Uzen river, Crimea].—Distr.: Europe.
- ruficornis pontica** RUBZOV, 1956: Fauna USSR, 6(6), Simuliidae, 2 Ed.: 664 (*Odagmia*, as subsp. of *baracornis* SMART). Type-locality: rivulet at Ayz-Dag mount. (Crimea, USSR).—Distr.: Europe: R; USSR: SET.
- schamili** RUBZOV, 1964: 14. Simuliidae, Fliegen pal. Reg., 3(4): 617 (*Odagmia*). Type-locality: “Fluß Ullu-Tschaj” (Northern Caucasus, USSR).—Distr.: USSR: SET, TC.
- septentrionalis** TAN et CHOW, 1976: Acta ent. sin., 19(4): 455 (*Odagmia*). Type-locality: “Peking” (China).—Distr.: Asia: China.
- sexafilis** RUBZOV, 1976: Ent. Obozr., 55(1): 220 (*Odagmia*). Type-locality: Pravy Talgar river, Alma-Atinsky Natn. Park (Kazakhstan, USSR).—Distr.: USSR: KZ.
- sicana** RIVOSECCI, 1963: Riv. Parassit., 24(3): 200 (*Odagmia*, as subsp. of *dorieri* DOBY et RAULT). Type-localities: “Sicilia: Madonie, . . . M. Soro” (Italy).—Distr.: Europe: I.
- simoffi** ENDERLEIN, 1924: Zool. Anz., 61(11–12): 286 (*Odagmia*). Type-locality: “Boitschinovici in der Stara Planina” (Bulgaria).—Distr.: Europe: BG.
- specularifrons** ENDERLEIN, 1921: Sber. Ges. naturf. Freunde Berl., 1921: 217 (*Odagmia*). Type-locality: “Norwegen”.—Distr.: Europe: N.
- spinosa** (DOBY et DEBLOCK, 1957): Annls Parasit. hum. comp., 32(3): 328 (*Simulium*, as forma of *ornata* MEIGEN). Type-locality: “Langen, dans le Tyrol autrichien” (Austria).—Distr.: Europe: A, BG, CS, D, DDR, F, GB, I, PL, R, YU.
- stenophallum** (TERTERJAN, 1951): Dokl. Akad. Nauk arмян. SSR, 14(2): 52 (*Simulium*). Type-locality: Amberd river (Armenia, USSR).—Distr.: USSR: TC.
- [**stevensoni** (EDWARDS, 1927): Bull. ent. Res., 18(2): 169 (*Simulium*). Type-locality: “Kashmir: Chillas, near Gilgit” (India).—Distr.: USSR: ?SMA; India (Himalaya).]

- tarbagataica** RUBZOV, 1967: Ent. Obozr., **46**(3): 747 (*Odagmia*). Type-locality: Urdzhar river in Tarbagatay (Eastern Kazakhstan, USSR).—Distr.: USSR: KZ, SMA.
- tibialis** (MACQUART, 1834): Hist. nat. Ins., Dipt., **1**: 174 (*Simulium*). Type-locality: "de la Lorraine" (France).—Distr.: Europe: F.
- trilineata** RUBZOV, 1956: Fauna USSR, **6**(6), Simuliidae, 2 Ed.: 684 (*Odagmia*). Type-locality: Shungan, Kara-Gurum-Mazar (Pamir, USSR).—Distr.: USSR: KZ, SMA.
- variegata** (MEIGEN, 1818): Syst. Besch., **1**: 292 (*Simulia*). Type-locality: not given (?Germany).—Distr.: Europe: A, BG, CS, D, DDR, E, F, GB, H, I, PL, R, YU; USSR: SET, TC. (Germany: ?"Stolberg"—lectotype des. by ZWICK and CROSSKEY, 1981: Aquat. Ins., **2**(4)(1980): 234).
- livida*: MEIGEN, 1818: Syst. Besch., **1**: 292 (*Simulia*), not *Hirtea livida* SCHELLENBERG, 1803.
- varia* (MEIGEN, 1818): Syst. Besch., **1**: 292 (*Simulia*). Type-locality: Austria [Type-material lost: see ZWICK and CROSSKEY, 1981: Aquat. Ins., **2**(4)(1980): 235].
- affinis* (STEPHENS, 1829): Syst. Cat. Brit. Ins., **2**: 254 (*Simulium*). Type-locality: not given (Great Britain).
- luteicornis* (STEPHENS, 1829): Syst. Cat. Brit. Ins., **2**: 254 (*Simulium*). Type-locality: not given (Great Britain).
- rivularis* (PLANCHON, 1844): Hist. Larve aquat. gen. Simulium: 4 (*Simulium*). Type-locality: not given (France).
- venefica* (FRIEDERICH, 1920): Sber. Abh. naturf. Ges. Rostock, **7**: 218 (*Simulium*). Type-locality: "Aus der Bode bei Thale i. Harz" [DDR].
- variegata autumnalis** RUBZOV, 1956: Fauna USSR, **6**(6), Simuliidae, 2 Ed.: 679 (*Odagmia*). Type-locality: Zvari-Tschay river at Litshk (Armenia, USSR).—Distr.: USSR: TC.
- variegata padana** RUBZOV, 1964: Memorie Soc. ent. ital., **43**: 106 (*Odagmia*). Type-locality: "Fiume Po a Villafranca" (Italy).—Distr.: Europe: I.
- variegata pseudovernalis** RUBZOV, 1964: 14. Simuliidae, Fliegen pal. Reg., **3**(4): 619 (*Odagmia*). Type-locality: "Nebenfluß des Flusses Tsaw, Bezirk Kafan" (Armenia, USSR).—Distr.: USSR: TC (Arm).
- variegata slovakensis** RUBZOV, 1964: 14. Simuliidae, Fliegen pal. Reg., **3**(4): 619 (*Odagmia*). Type-locality: "Hochen Tatra in der Slowakei" (Czechoslovakia).—Distr.: Europe: CS.
- variegata vernalis** RUBZOV, 1956: Fauna USSR, **6**(6), Simuliidae, 2 Ed.: 678 (*Odagmia*). Type-locality: Gyandzha-Tschay river (Azerbaijan, USSR).—Distr.: Europe: R; USSR: TC.

**Phoretodagmia** RUBZOV, 1972

RUBZOV, 1972: Ent. Obozr., **51**(2): 406.

Type-species: *Simulium (Odagmia) ephemeroiphila* RUBZOV, 1947: Izv. Akad. Nauk SSSR (ser. biol.), **1**: 115 (orig. des.).

**alajensis** RUBZOV, 1972: Ent. Obozr., **51**(2): 408 (*Phoretodagmia*). Type-locality: Kirgitskata river, Alay mount. range (Kirgizia, USSR).—Distr.: USSR: SMA (Ki).

**ephemeroiphila** (RUBZOV, 1947: Izv. Akad. Nauk SSSR (ser. biol.), **1**: 115 (*Simulium (Odagmia)*). Type-locality: Hissar mount. range (Tajikistan, USSR).—Distr.: USSR: SMA (Tj).

**iwatensis** (SHIRAKI, 1935): Mem. Fac. Agric. Taihoku imp. Univ., **16**(1): 33 (*Odagmia*). Type-locality: "Iwate" (Japan).—Distr.: USSR: FE; Asia: Japan (Honshu).

**[jani** (LEWIS, 1973): Bull. ent. Res., **62**(3): 464 (*Simulium (Simulium)*). Type-locality: "Kalam riv." (Pakistan).—Distr.: Asia: ?Afghanistan; Pakistan.]

**obikumbensis** RUBZOV, 1972: Ent. Obozr., **51**(2): 407 (*Phoretodagmia*). Type-locality: Obikumb-Gou river (Pamir, USSR).—Distr.: USSR: SMA (Tj).

**[rashidi** (LEWIS, 1973): Bull. ent. Res., **62**(3): 466 (*Simulium (Simulium)*). Type-locality: "Bahrain" (Pakistan).—Distr.: Asia: ?Afghanistan; Pakistan.]

**Himalayum** LEWIS, 1973

LEWIS, 1973: Bull. ent. Res., **62**(3): 460 (as subgenus of *Simulium* LATREILLE, 1802). Type-species: *Simulium indicum* BECHER, 1885.: J. Asiat. Soc. Beng., **53**: 199 (orig. des.).

**[indicum** (BECHER, 1885): J. Asiat. Soc. Beng., **53**: 199 (*Simulium*). Type-locality: Assam (India).—Distr.: ?USSR: SMA; India (Assam, Himalaya).

*kashmiricum* (EDWARDS, 1927): Bull. ent. Res., **18**(2): 169 (*Simulium*). Type-locality: "Kashmir: Chillas, near Gilgit" (India, Himalaya).]

**Tetisimulium** RUBZOV, 1963

RUBZOV, 1963: 14. Simuliidae, Fliegen pal. Reg., **3**(4): 497.

Type-species: *Simulium bezzii* CORTI, 1914: Atti Soc. ital. Sci. nat. Milano, **53**: 196 (orig. des.).

*Friesia* RUBZOV, 1956: Fauna USSR, **6**(6), Simuliidae, 2 Ed.: 699 (not *Friesia* ENDERLEIN, 1922).

**alajense** (RUBZOV, 1939): Trudy Otd. med. Parazit. vses. Inst. eksp. Med., **3**: 193 (*Simulium (Odagmia)*). Type-localities: mount. stream in Terek-Bulak gorge, . . . Kizyl-Tam, Hissar mount. range; Alay mount. range, valley of

- Gultsha river near Sufi-Kurgan (Tajikistan, Kirgizia, USSR) [holotype label: valley of Gultsha river near Sufi-Kurgan, Kirgizia].—Distr.: USSR: TC, KZ, SMA; Asia: Mongolia, China.
- sbergi* (RUBZOV, 1940): Fauna USSR, 6(6), Simuliidae, 1 Ed.: 368 (*Simulium* (*Odagmia*)). Type-locality: Terek-Bulak Canyon (Tajikistan, USSR).
- alajense hiemale** (RUBZOV, 1956): Fauna USSR, 6(6), Simuliidae, 2 Ed.: 708 (*Friesia*). Type-locality: Geok-Tshay river (Azerbaijan, USSR).—Distr.: Europe: BG, R; USSR: SET, TC.
- bezzii** (CORTI, 1914): Atti Soc. ital. Sci. nat. Milano, 53: 196 (*Simulium*). Type-locality: Moncenisto (Italy).—Distr.: Europe: A, BG, E, F, I, R, YU; USSR: TC; Asia: Turkey; North Africa: Morocco.
- delphinense* (VILLENEUVE, 1918): Bull. Soc. ent. Fr., 4: 96 (*Simulium*, as var. of *vittatum* ZETTERSTEDT). Type-locality: "Dauphine: . . . lac Luitel, . . . du col du Lautaret" (France).
- atlas* (SÉGUY, 1930): Mem. Soc. Sci. nat. phys. Maroc, 24(1): 50 (*Simulium*). Type-locality: Dj Ahmar, Tizi s'Tkrine, Middle Atlas (Morocco).
- coarctatum** (RUBZOV, 1940): Fauna USSR, 6(6), Simuliidae, 1 Ed.: 374 (*Simulium* (*Odagmia*)). Type-localities: Bugas at Khami, Tentsien; . . . Kazakhstan, about Kopal (China, USSR) [holotype label: Bugas at Khami, China].—Distr.: USSR: KZ, SMA; Asia: China.
- crinitum** (RUBZOV, 1956): Fauna USSR, 6(6), Simuliidae, 2 Ed.: 718 (*Friesia*). Type-locality: Zvari-Tshay river (Armenia, USSR).—Distr.: USSR: TC.
- desertorum** (RUBZOV, 1939): Trudy Otd. med. Parazit. Vses. Inst. eksp. Med., 3: 195 (*Simulium* (*Odagmia*)). Type-localities: Dankhe river, South Sachzhou, Gashun Gobi; . . . valley of Gulcha river close to Sufi-Kurgan; Altay mounts (China, USSR) [holotype label: Dankhe river, S. Sachzhou, Gashun Gobi, China].—Distr.: USSR: KZ, SMA; Asia: Northwestern China.
- gorjense** DINULESCU, 1966: Fauna Rep. Soc. Romania, 11(8), Simuliidae: 472 (*Tetisimulium*). Type-localities: "In Romania: Voloiacu (p. Cotoroiaia), raionul Strehaia, reg. Oltenia; Tirnova (r. Cigher), raionul Ineu, reg. Crişana; Eşelniţa (r. Eşelniţa), raionul Orşova, reg. Banat; r. Cerna 200 m in aval de izvoare, reg. Oltenia; Sinaia (p. Peleş) şi Buşteni (p. V. Carbului), raionul Cimpina, reg. Ploeşti".—Distr.: Europe: H, R.
- graium** COUVERT, 1967: Bull. Soc. ent. ital., 97(3-4): 39 (*Tetisimulium*). Type-locality: "Colle del Piccolo, San Bernardo (Valle d'Aosta)" (Italy).—Distr.: Europe: I.
- kerisorum** (RUBZOV, 1956): Fauna USSR, 6(6), Simuliidae, 2 Ed.: 715 (*Friesia*). Type-locality: surroundings of Kirovabad (Azerbaijan, USSR).—Distr.: USSR: TC.
- kondici** (BARANOV, 1926): Neue Beitr. syst. Insektenk., 3(15-16): 161 (*Odagmia* (*Pseudodagmia*)). Type-locality: Yugoslavia.—Distr.: Europe: BG, R, YU; USSR: SET; Asia: Turkey. ("Yugoslavia: Serbia, Tuman"—

lectotype des. by CROSSKEY and PETERSON, 1972: Bull. Br. Mus. nat. Hist. (B), 27(3): 197).

**kozlovi** (RUBZOV, 1940): Fauna USSR, 6(6), Simuliidae, 1 Ed.: 371 (*Simulium* (*Odagmia*)). Type-localities: Tibet, river Bomyn, Northern and Central Gobi . . .; Habirga, near lake Baga-Zadamin (China, Mongolia) [holotype label: Bomyn river, Northeastern Tibet].—Distr.: USSR: TC (Az), SMA (Ki, Tj); Asia: China (Tibet), Mongolia.

**latimentum** (RUBZOV, 1956): Fauna USSR, 6(6), Simuliidae; 2 Ed.: 719 (*Friesia*). Type-locality: Aleksandrovsy mount. range, Kirgizian Alatau (Kirgizia, USSR).—Distr.: Europe: ?R; USSR: SMA, WS.

### **Paragnus** RUBZOV et YANKOVSKY, 1982

RUBZOV and YANKOVSKY, 1982: Ent. Obozr., 61(1): 184.

Type-species: *Simulium bukovskii* RUBZOV, 1940: Fauna USSR, 6(6), Simuliidae, 1 Ed.: 418 (orig. des.).

**bukovskii** (RUBZOV, 1940): Fauna USSR, 6(6), Simuliidae, 1 Ed.: 418 (*Simulium*). Type-locality: Alushta (Crimea, USSR).—Distr.: Europe: BG, CS, R; USSR: SET, TC.

**degrangei** (DORIER et GRENIER, 1959): Trav. Lab. Hydrobiol. Piscic. Univ. Grenoble, 50–51: 195 (*Simulium*). Type-locality: Savoie, near Annecy, la Fier, Naves Bridge (France).—Distr.: Europe: CS, F, I, R, YU.

**mehelyi** (ENDERLEIN, 1926): Zool. Anz., 66: 141 (*Simulium*). Type-locality: "Ungarn: Felsőhági" [= Výšné Hagy] (Czechoslovakia).—Distr.: Europe: CS, R.

**sastshcheri** (MATSHAVARIANI, 1966): Материалы к фауне Грузии, 1: 195 (*Simulium*). Type-locality: waterbodies of Main Caucasus (USSR).—Distr.: USSR: TC (Ge).

### **Cleitosimulium** SÉGUY et DORIER, 1936

SÉGUY and DORIER, 1936: Trav. Lab. Hydrobiol. Piscic. Univ. Grenoble, 27: 9 (as subgenus of *Simulium* LATREILLE, 1802).

Type-species: *Simulium* (*Cleitosimulium*) *rupicolum* SÉGUY et DORIER, 1936: l.c.: 1 (orig. des.) [= *argenteostriatum* (STROBL, 1898)].

**alternans** (ENDERLEIN, 1921): Sber. Ges. naturf. Freunde Berl., 1921: 219 (*Simulium*). Type-locality: "Tatra" (Czechoslovakia).—Distr.: Europe: CS.

**argenteostriatum** (STROBL, 1898): Glasn. zemalj. Mus. Bosni Herceg., 10: 594 (*Simulium*). Type-locality: "Jablanica" (Yugoslavia).—Distr.: Europe:

- A, BG, CS, D, DDR, E, F, H, I, PL, R, YU; USSR: SET, TC.  
 ("Jablanica"—lectotype des. by ZWICK, 1974: Beitr. Ent., **24**(5-8): 315).
- schoenbaueri* (ENDERLEIN, 1921): Sber. Ges. naturf. Freunde Berl., **1921**: 218 (*Simulium*). Type-locality: "Tatra" (Czechoslovakia).
- rupicolum* (SÉGUY et DORIER, 1936): Trav. Lab. Hydrobiol. Piscic. Univ. Grenoble, **27**: 1 (*Simulium* (*Cleitosimulium*)). Type-locality: "a rivière la Bourne, à Auberives-en-Riyans" (France).
- aureofulgens* (TERTERJAN, 1949): Dokl. Akad. Nauk armyan. SSR, **11**(3): 93 (*Simulium*). Type-locality: tributary of Agstev river (Armenia, USSR).—Distr.: USSR: TC.
- hispaniolum* (GRENIER et BERTRAND, 1954): Anns Parasit. hum. comp., **29**(4): 454 (*Simulium*, as forma of *rupicolum* SÉGUY et DORIER). Type-localities: "Sierra de Credos: Vieille Castille (Prov. de Avila), a Hojos del Espino, dans le Rio Tormes" (Spain).—Distr.: Europe: E, F, I; North Africa.
- hispaniolum parvifrons* RIVOSECCHI et CARDINALI, 1975: Riv. Parassit., **36**(1): 58 (*Cleitosimulium*). Type-locality: "Forra di Floresta" (Italy).—Distr.: Europe: I.
- simici* (ZIVKOVITCH, 1959): Bull. Soc. Path. exot., **52**(3): 287 (*Simulium*). Type-locality: "trouvées sur le mont Sara, dans le ruisseau Drla, . . . 4 ruisselets et dans une petite rivière (la Mursica)" (Yugoslavia).—Distr.: Europe: H, R, YU.
- tjanschanicum* (RUBZOV, 1963): 14. Simuliidae, Fliegen pal. Reg., **3**(4): 537 (*Simulium*). Type-locality: "Tjanschan" (Kirgizia, USSR) [holotype label: Kugart river, Kirgizia].—Distr.: USSR: SMA (Ki).

### **Simulium** LATREILLE, 1802

LATREILLE, 1802: Hist. nat. gén. partic., **3**: 426.

Type-species: *Rhagio colombaschensis* FABRICIUS, 1787: Mantissa insect., **2**: 333 (mon.).

*Simulia* MEIGEN et authors; unjustified emendation.

*Pseudosimulium* BARANOV, 1926: Neue Beitr. syst. Insektenk., **3**(15-16): 164 (as subgenus of *Simulium*). Type-species: *Simulia argyreata*: BARANOV, 1926: l.c.: 164 (not *argyreata* MEIGEN, 1838) (orig. des.) [= *noelleri* FRIEDERICHS, 1920].

*Danubiosimulium* BARANOV, 1935: Arb. morph. taxon. Ent. Berl., **2**(3): 158 (as subgenus of *Simulium*). Type-species: *Culex columbaczense* SCHÖNBAUER, 1795: Gesch. schäd. Kolumb. Mücken Banat: 96 (orig. des.) [= *colombaschense* (FABRICIUS, 1787)].

*Archessimulium* RUBZOV et YANKOVSKY, 1982: see below as subgenus.

*Argentissimulium* RUBZOV et YANKOVSKY, 1982: see below as subgenus.

*Striatosimulium* RUBZOV et YANKOVSKY, 1982: see below as subgenus.

## Subgenus ARCHESIMULIUM RUBZOV et YANKOVSKY, 1982

RUBZOV and YANKOVSKY, 1982: Ent. Obozr., **61**(1): 185.

Type-species: *Melusina tuberosum* LUNDSTRÖM, 1911: Acta Soc. Fauna Flora fenn., **34**: 14 (orig. des.).

- angustifilum** RUBZOV, 1947: Izv. Akad. Nauk SSSR (ser. biol.), **1**: 116 (*Simulium*).  
Type-locality: Hissar mount. range (Tajikistan, USSR).—Distr.: USSR: SMA (Tj).
- [**arisanum** SHIRAKI, 1935: Mem. Fac. Agric. Taihoku imp. Univ., **16**(1): 80 (*Simulium*). Type-locality: "Arisan" (Taiwan).—Distr.: Asia: ?Japan; Taiwan.]
- corpulentum** RUBZOV, 1956: Fauna USSR, **6**(6), Simuliidae, 2 Ed.: 741 (*Simulium*).  
Type-locality: Tshirkovka river, tributary of Kosva river, Perm district (USSR).—Distr.: USSR: CET, SET.
- gusevi** RUBZOV, 1976: Ent. Obozr., **55**(1): 219 (*Simulium*). Type-locality: forests near Volga, Kujbyshev district (USSR).—Distr.: USSR: CET.
- jugatum** BOLDARUEVA, 1979: Новые и малоизвестные виды фауны Сибири: 44 (*Simulium*). Type-locality: Muya river, tributary of Vitim river (Buryatia, USSR).—Distr.: USSR: ES.
- [**nitidithorax** PURI, 1932: Indian J. med. Res., **19**(3): 909 (*Simulium*). Type-locality: "Marianbarie, Bengal Terai" (India).—Distr.: ?USSR.: SMA; Asia: India.]
- polare** RUBZOV, 1940: Fauna USSR, **6**(6), Simuliidae, 1 Ed.: 422 (*Simulium*, as var. of *tuberosum* LUNDSTRÖM). Type-locality: valley of Khatanga river (Northern Siberia, USSR).—Distr.: USSR: NET, CET, WS, ES.
- pullum** RUBZOV, 1956: Fauna USSR, **6**(6), Simuliidae, 2 Ed.: 746 (*Simulium*). Type-locality: Kzyl-Alma-Say river, right tributary of Bash-Kzyl-Say river (Uzbekistan, USSR).—Distr.: USSR: SMA, ?ES.
- [**ramosum** PURI, 1932: Indian J. med. Res., **19**(3): 905 (*Simulium*). Type-locality: "streams in the Simla hills" (India).—Distr.: ?USSR: SMA; Asia: India (Himalaya).]
- rufibasis** BRUNETTI, 1911: Rec. Indian Mus., **4**: 285 (*Simulium*). Type-locality: "Kurseong" (India).—Distr.: Asia: Japan; India.
- [**rufibasis fasciatum** PURI, 1932: Indian J. med. Res., **19**(3): 903 (*Simulium*). Type-localities: "Simla, Chadwick falls, . . . stream crossing the Hindustan-Tibet Road between Theog and Narkasiga, . . . fast hill stream at Naganag (Kashmir)" (India).—Distr.: ?USSR: SMA; Asia: India (Himalaya).]
- splendidum** RUBZOV, 1940: Fauna USSR, **6**(6), Simuliidae, 1 Ed.: 423 (*Simulium*).  
Type-localities: Eastern Siberia (Kaja, Mamyr, Vitim rivulets, Irkutsk; Yakutia (USSR) [holotype label: Kaya river, Irkutsk district].—Distr.: USSR: NET, WS, ES, FE.



- subtile** RUBZOV, 1956: Fauna USSR, **6**(6), Simuliidae, 2 Ed.: 742 (*Simulium*). Type-locality: Matsesta river (Northern Caucasus, USSR).—Distr.: Europe: I, R; USSR: SET, TC.
- suzuki** RUBZOV, 1963: 14. Simuliidae, Fliegen pal. Reg., **3**(4): 525 (*Simulium*). Type-locality: "Japonia".—Distr.: Asia: Japan.
- tuberosum** (LUNDSTRÖM, 1911): Acta Soc. Fauna Flora fenn., **34**: 14 (*Melusina*). Type-locality: "Enontekis, . . . Lapponia fennica" (Finland).—Distr.: Europe; USSR: NET, CET, WS, ES, FE; Asia: Japan.
- janzeni* ENDERLEIN, 1922: Konowia, **1**(1-2): 73 (*Simulium*). Type-locality: "Steiermark" (Austria).
- gerstaeckeri* ENDERLEIN, 1936: Tierwelt Mitteleur., **6**(2) Diptera: 41 (*Simulium*). Type-locality: Germany.
- tumulosum** RUBZOV, 1956: Fauna USSR, **6**(6), Simuliidae, 2 Ed.: 738 (*Simulium*). Type-locality: Krestovka river near the beginning of Angara river (Baikal region, USSR).—Distr.: USSR: WS, ES, FE.
- vulgare** DOROGOSTAJSKY, RUBZOV et VLASENKO, 1935: Parazit. Sb. zool. Inst. Moskva, **5**: 166 (*Simulium*). Type-localities: Molka, Kaya, Ushakovka, Yelovka, Burdugus, Irkut, Balaganka, Topka, Kaymonovo, Lanka, Karolog rivers (Baikal region, USSR) [holotype label: Karolog river near Irkutsk].—Distr.: Europe: CS, D, DDR, H, R, S, SF; USSR: NET, CET, SET, WS, ES, FE.

#### Subgenus ARGENTISIMULIUM RUBZOV et YANKOVSKY, 1982

- RUBZOV and YANKOVSKY, 1982: Ent. Obozr., **61**(1): 185.  
Type-species: *Simulium noelleri* FRIEDRICHS, 1920: Berl. tierärztl. Wschr., **36**: 567 (orig. des.).
- nipponense** SHIRAKI, 1935: Mem. Fac. Agric. Taihoku imp. Univ., **16**(1): 59 (*Simulium*). Type-localities: "Kobuchisawa, Yamanashi-Pref., Anamizu, Ishikawa-Pref., . . . Ichibu, Kumamoto-Pref., Aoshima, Shizuoka-Pref., . . . Tokyo, . . . Sasayama, Yuo, Yehime-Pref., . . . Ochiai, Yamaguchi-Pref." (Japan).—Distr.: Asia: Japan.
- noelleri** FRIEDRICHS, 1920: Berl. tierärztl. Wschr., **36**: 567 (*Simulium*). Type-locality: "Paulinzella in Thüringen (Schwarzburg-Rudolstadt)" [DDR].—Distr.: Europe; USSR: NET, CET, SET, WS, ES; ?Asia: Mongolia [description published in July, 1920].
- subornatum* EDWARDS, 1920: Bull. ent. Res., **11**: 227 (*Simulium*). Type-localities: "Bayswater, Oxford, . . . Bluwell Hall Park, Notts., . . . Norton Bury Farm, Letchworth, . . . River Severn at Shrewsbury, . . . Llangammarch Wells, Brecknock, . . . Crickmare, . . . River Test, Hants." (Great Britain) [description published in December, 1920].
- tenuimanus* ENDERLEIN, 1921: Sber. Ges. naturf. Freunde Berl., **1921**: 222 (*Simulium*). Type-localities: "Berlin, . . . Finnland".

- septentrionale* ENDERLEIN, 1935: Sber. Ges. naturf. Freunde Berl., 1935: 362 (*Simulium*). Type-localities: "Nordrußland: Murmanküste, Alexandrovsk, . . . Lappland, Quicckjokk" (USSR, Finland).
- lindneri* ENDERLEIN, 1943: Mitt. münch. ent. Ges., 33: 245 (*Simulium*). Type-locality: Nieder Donau, Lunz, Ybbstaler Alpen (Austria).
- argyreatum*: authors (not *argyreatum* MEIGEN, 1838).
- noelleri avidum** RUBZOV, 1963: 14. Simuliidae, Fliegen pal. Reg., 3(4): 547 (*Simulium*, as subsp. of *argyreatum* MEIGEN). Type-locality: "Bach an der Siedlung Uladova, Ostsibirien" (USSR).—Distr.: USSR: ES.
- noelleri bononii** RUBZOV, 1964: Memorie Soc. ent. ital., 43: 75 (*Simulium*). Type-locality: "Piemonte: canale defluente del lago Arignano" (Italy).—Distr.: Europe: I.
- noelleri triangulare** RUBZOV, 1963: 14. Simuliidae, Fliegen pal. Reg., 3(4): 548 (*Simulium*, as subsp. of *argyreatum* MEIGEN). Type-locality: "Japonia".—Distr.: Asia: Japan.
- palustre** RUBZOV, 1956: Fauna USSR, 6(6), Simuliidae, 2 Ed.: 756 (*Simulium*). Type-locality: rivulet near Karolog river, 40 km from the beginning of Angara river (Baikal region, USSR).—Distr.: USSR: WS, ES, FE.
- parargyreatum** RUBZOV, 1979: Trudy vses. ent. Obsch., 61: 181 (*Simulium*). Type-locality: Karagush-Khona river, Garmsky rayon (Tajikistan, USSR).—Distr.: USSR: SMA (Tj).
- vershininae** YANKOVSKY, 1982: Parazitologiya, 16(3): 252 (*Simulium*). Type-locality: source in Tshara valley, Tshita district (USSR).—Distr.: USSR: ES.
- yokotense** SHIRAKI, 1935: Mem. Fac. Agric. Taihoku imp. Univ., 16(1): 74 (*Simulium*). Type-locality: "Yokote, Shimane-Pref." (Japan).—Distr.: Asia: Japan.

#### Subgenus STRIATOSIMULIUM RUBZOV et YANKOVSKY, 1982

- RUBZOV and YANKOVSKY, 1982: Ent. Obozr., 61(1): 186.  
Type-species: *Simulium japonicum* MATSUMURA, 1911: J. Coll. Agric. Tohoku imp. Univ., 4(1): 62 (orig. des.).
- [**ambiguum** SHIRAKI, 1935: Mem. Fac. Agric. Taihoku imp. Univ., 16(1): 59 (*Simulium*). Type-locality: "Taihoku, Formosa" (Taiwan).—Distr.: Asia: ?Japan; Taiwan.]
- [**barraudi** PURI, 1932: Indian J. med. Res., 19(4): 1130 (*Simulium*). Type-localities: "large stream near Prang, . . . at Naga-Nag . . . both in Kashmir" (India).—Distr.: ?USSR: SMA; Asia: India (Himalaya).]
- [**dentatum** PURI, 1932: Indian J. med. Res., 19(4): 1135 (*Simulium*). Type-localities: "hill streams near Marianbarie, Bengal Terai, . . . streams in Kurseong, . . . Darjeeling district" (India).—Distr.: ?USSR: SMA; Asia: India.]

- [digitatum** PURI, 1932: Indian J. med. Res., **19**(4): 1132 (*Simulium*). Type-localities: "small stream, crossing the Kasauli-Subathu Road, . . . a hill stream northeast of Dagshai, . . . a stream north of Chotta-Simla, . . . Chadwick Falls" (India).—Distr.: ?USSR: SMA; Asia: India (Himalaya).]
- [griseifrons** BRUNETTI, 1911: Rec. Indian Mus., **4**: 284 (*Simulium*). Type-locality: "Kalighat, Kumaon, 6000 ft., Western Himalayas" (India).—Distr.: ?USSR: SMA; Asia: India (Himalaya).]
- horokaense** ONO, 1980: Kontyû, **48**(3): 352 (*Simulium*). Type-locality: "stream of Go-No-Sawa, Nukabira, Kamishihoro" (Japan).—Distr.: Asia: Japan (Hokkaido).
- japonicum** MATSUMURA, 1911: J. Coll. Agric. Tohoku imp. Univ., **4**(1): 62 (*Simulium*, as subsp. of *columbaczensis* SCHÖNBAUER). Type-locality: Sakhalin (USSR).—Distr.: USSR: FE; Asia: Japan.
- japonicum* SHIRAKI, 1935: Mem. Fac. Agric. Taihoku imp. Univ., **16**(1): 49 (*Simulium*, as subsp. of *annulipes* BECKER, not *japonicum* SHIRAKI, 1935: 43). Type-locality: "Sapporo, Ziozankei, Hokkaido" (Japan).
- katoi** SHIRAKI, 1935: Mem. Fac. Agric. Taihoku imp. Univ., **16**(1): 53 (*Simulium*). Type-locality: "Taihoku, Formosa" (Taiwan).—Distr.: Asia: Japan; Taiwan.
- kawamurae** MATSUMURA, 1931: 6000 illustr. Ins. Jap. Emp.: 786 (*Simulium*). Type-locality: Japan.—Distr.: Asia: Japan.
- konakovi** RUBZOV, 1956: Fauna USSR, **6**(6), Simuliidae, 2 Ed.: 768 (*Simulium*). Type-locality: Shikotan Is. (Kuril Is., USSR).—Distr.: USSR: FE (Kuril Is.).
- kurilense** RUBZOV, 1956: Fauna USSR, **6**(6), Simuliidae, 2 Ed.: 769 (*Simulium*). Type-locality: surroundings of Yuzhno-Kurilsk (Kuril Is., USSR).—Distr.: USSR: FE (Sakhalin, Kuril Is.).
- multistriatum** RUBZOV, 1947: Izv. Akad. Nauk SSSR (ser. biol.), **1**: 116 (*Simulium*). Type-localities: Hissar mount. range, Alexandrovski mount. range (Tajikistan, USSR) [holotype label: Kondara Canyon, Hissar mount. range].—Distr.: USSR: KZ, SMA.
- oshimanum** SHIRAKI, 1935: Mem. Fac. Agric. Taihoku imp. Univ., **16**(1): 56 (*Simulium*). Type-locality: "Sumiyo in Amami-Oshima" (Japan).—Distr.: Asia: Japan.
- quinquestriatum** (SHIRAKI, 1935): Mem. Fac. Agric. Taihoku imp. Univ., **16**(1): 27 (*Stilboplax*, as *5-striatum*). Type-localities: "Kappansan, Shinchiku-Pref., . . . Kanshirei, Tainan-Pref., . . . Suisha, Taichu-Pref., . . . Arisan, Tainan-Pref., . . . Funkiko, Tainan-Pref." (Taiwan).—Distr.: Asia: Japan; Taiwan.
- sakishimaense** TAKAOKA, 1977: Jap. J. sanit. Zool., **28**(2): 197 (*Simulium*). Type-locality: "Arakawa, Ishigaki Is." (Japan).—Distr.: Asia: Japan.
- subornatoides** RUBZOV, 1947: Izv. Akad. Nauk SSSR (ser. biol.), **1**: 116 (*Simulium*). Type-locality: Hissar mount. range (Tajikistan, USSR).—Distr.: USSR: SMA (Tj).

**xanthogastrum** RUBZOV, 1951: Trudy zool. Inst., Leningr., **9**(3): 838 (*Simulium*, as var. of *multistriatum* RUBZOV). Type-locality: Varzob river, Condara Canyon, Hissar mount. range (Tajikistan, USSR).—Distr.: USSR: SMA.

### Subgenus SIMULIUM LATREILLE, 1802

- abbreviatum** RUBZOV, 1957: Zool. Zh., **36**(6): 812 (*Simulium*). Type-locality: Fergana Valley (Uzbekistan, USSR).—Distr.: USSR: ?CET, SMA.
- aemulum** RUBZOV, 1940: Fauna USSR, **6**(6), Simuliidae, 1 Ed.: 531 (*Simulium*, as new name for *submorsitans* RUBZOV, 1940, a junior primary homonym of *S. submorsitans* SÉGUY, 1921).—Distr.: USSR: WS, ES, FE.
- submorsitans* RUBZOV, 1940: Fauna USSR, **6**(6), Simuliidae, 1 Ed.: 435 (*Simulium*, not *submorsitans* SÉGUY, 1921). Type-locality: river Malaya Iretj, tributary of river Belaja (East Siberia, USSR).
- agnatum** BARANOV, 1937: Vet. Arch. Zagreb, **7**(5): 259 (*Simulium*). Type-localities: "Croatia, . . . Germania".—Distr.: Europe: D, DDR, YU. ["Yugoslavia: Serbia": see CROSSKEY and PETERSON, 1972: Bull. Br. Mus. nat. Hist. (B), **27**(3): 202].
- arakawae** MATSUMURA, 1921: Dai Nippon Gaichu Zensho, **2**: 83 (*Simulium*). Type-locality: Japan.—Distr.: Asia: Japan.
- austeni** EDWARDS, 1915: Bull. ent. Res., **6**: 33 (*Simulium*). Type-locality: "Rugby" (Great Britain).—Distr.: Europe: GB; ?USSR: NET, CET, SET.
- banaticum** DINULESCU, 1966: Fauna Rep. Soc. Romania, **11**(8), Simuliidae: 577 (*Simulium*). Type-localities: "Sebeş (r. V. Dezna), Moneasa (p. Moneasa), raionul Gurahont, reg. Crişana; Sebeş (canalul oraşului), raionul Sebeş, reg. Hunedoara; Sviniţa raionul Orşova, reg. Banat; Cerna sat (r. Cerna), reg. Oltenia" (Roumania).—Distr.: Europe: R.
- bergi** RUBZOV, 1955: Trudy Inst. Zool., Baku, **18**: 109 (*Simulium*). Type-locality: Akhalkalaksy rayon (Georgia, USSR).—Distr.: USSR: TC.
- cinereum** MACQUART, 1834: Hist. nat. Ins., Dipt., **1**: 174 (*Simulium*). Type-locality: "de la Lorraine" (France).—Distr.: Europe.
- colombaschense** (FABRICIUS, 1787): Mantissa insect., **2**: 333 (*Rhagio*). Type-locality: "in Seruia, Bannattu" (Yugoslavia).—Distr.: Europe: A, BG, H, I, R, YU.
- columbacense* (SCHÖNBAUER, 1795): Ges. schäd. Kolumb. Mücken Banat: 96 (*Culex*). Type-locality: "Ufer der Donau zwischen Ujpalanka und Orschova, . . . Gegend bei Kolumbacz (. . . an dem rechten Ufer der Donau in Serbien liegt)" (Roumania, Yugoslavia).
- flaviventre* STROBL, 1898: Glasn. zemalj. Mus. Bosni Herceg., **10**: 595 (*Simulium*, as var. of *ornata* MEIGEN). Type-locality: "Yugoslavia (Herzegovina, Trebinje)".
- litorale* BARANOV, 1937: Arch. wiss. prakt. Tierheilk., **72**: 159 (*Simulium*, as "race" of *columbacense* SCHÖNBAUER). Type-locality: Yugoslavia

- (“Yugoslavia: Serbia, Golubac”—lectotype des. by CROSSKEY and PETERSON, 1972: Bull. Br. Mus. nat. Hist. (B), 27(3): 204).
- profundale* BARANOV, 1937: Arch. wiss. prakt. Tierheilk., 72: 159 (*Simulium*, as “race” of *columbaczense* SCHÖNBAUER). Type-locality: Yugoslavia (“Yugoslavia: Serbia, Donji Milanovac”—lectotype des. by CROSSKEY and PETERSON, 1972: Bull. Br. Mus. nat. Hist. (B), 27(3): 204).
- intermedia* (BARANOV, 1939): Vet. Arch. Zagreb, 9(3): 110 (*Danubiosimulium*, as forma of *columbaczense* SCHÖNBAUER. Type-locality: Serbia, r. Danube, near Slip canal (Yugoslavia) [Type-material presumed lost: see CROSSKEY and PETERSON, 1972: Bull. Br. Mus. nat. Hist. (B), 27(3): 196].
- curvistylum* RUBZOV, 1957: Zool. Zh., 36(6): 811 (*Simulium*, as subsp. of *morsitans* EDWARDS). Type-locality: Sitenka river, Leningrad district (USSR).—Distr.: Europe: N, S, SF; USSR: NET, CET.
- curvitarso* RUBZOV, 1940: Fauna USSR, 6(6), Simuliidae, 1 Ed.: 434 (*Simulium*). Type-locality: NE Siberia: Anadyr (USSR).—Distr.: USSR: FE; Asia: China.
- flavicans* RUBZOV, 1956: Fauna USSR, 6(6), Simuliidae, 2 Ed.: 827 (*Simulium*). Type-locality: Delta of Amu-Darya river (Uzbekistan, USSR).—Distr.: USSR: SMA (Uz).
- flavidum* RUBZOV, 1947: Izv. Akad. Nauk SSSR (ser. biol.), 1: 116 (*Simulium*). Type-locality: Tajikistan, Uzbekistan, mountains (USSR) [holotype label: near Dushanbe, Tajikistan].—Distr.: USSR: WS, ES, KZ, SMA.
- flavigaster* RUBZOV, 1969: Reichenbachia, 12(11): 126 (*Simulium*). Type-locality: “Chovd aimak, 3 km N von Somon-Uenc” (Mongolia).—Distr.: USSR: ES; Asia: Mongolia.
- galeratum* EDWARDS, 1920: Bull. ent. Res., 11: 231 (*Simulium*, as var. of *reptans* LINNAEUS). Type-locality: “river Otter at Tipton, St. John, S. Devon” (Great Britain).—Distr.: Europe: A, BG, CS, D, DDR, F, GB, H, I, N, R, S, SF, YU; USSR: NET, CET, SET, ?WS, ?ES, ?FE.
- heidenreichi* ENDERLEIN, 1921: Sber. Ges. naturf. Freunde Berl., 1921: 219 (*Simulium*). Type-locality: “Deutschland (Dessau)” [DDR].—Distr.: Europe: DDR.
- heringi* ENDERLEIN, 1925: Zool. Anz., 62(9–10): 209 (*Simulium*). Type-locality: “Mark Brandenburg, Güntersberg” [DDR].—Distr.: Europe: A, D, DDR.
- hibernale* RUBZOV, 1967: Ent. Obozr., 46(3): 748 (*Simulium*). Type-locality: Luga river, Leningrad district (USSR).—Distr.: USSR: CET.
- incanum* (LOEW, 1840): Bemerk. pozener Zweifl.-Gattungen: 3; and Isis, 1840 (VII–VIII): 514: (*Simulia*). Type-locality: Pozen [= Poznań] (Poland).—Distr.: Europe: PL.
- kamtshaticum* RUBZOV, 1940: Fauna USSR, 6(6), Simuliidae, 1 Ed.: 442 (*Simulium*, as subsp. of *venustum* SAY). Type-localities: Kamtshatka: Klyutsheskovskoye, . . . Ozyornoye, Ust-Ozyornoye, . . . Kamaki, . . . Klyutsheskaya

- Sopka, . . . Manura on Kamtshatka river (USSR) [holotype label: near Klyutshevskaya Sopka].—Distr.: USSR: ?WS, FE.
- knechteli** DINULESCU, 1966: Fauna Rep. Pop. Romania, **11**(8), Simuliidae: 549 (*Simulium*). Type-localities: "Riul Cerna (p. Bobotu), reg. Oltenia; Ildia (p. Iclișeva), raionul Oravița, reg. Banat; Cimpulung (r. Tîrgului), raionul Muscel, reg. Agreș; Tirnova (r. Gigher), raionul Ineu, Birsa (p. Carneșiu), raionul Gurahont, reg. Crișana; Petrița, Lonea (r. Jiu), raionul Petroșeni, Ohaba (p. Alb), raionul Sebeș, reg. Hunedoara" (Roumania).—Distr.: Europe: R.
- kurense** RUBZOV et DJAFAROV, 1951: Izv. Akad. Nauk azerb. SSR, **9**: 33 (*Simulium*). Type-locality: Kura river (Azerbaijan, USSR).—Distr.: USSR: TC.
- shachbuzicum* DJAFAROV, 1960: Fauna Azerbaijan, **5**(1), Simuliidae: 154 (*Simulium*, as var. of *kurense* RUBZOV et DJAFAROV). Type-localities: Nakhichevan ASSR, Ernil and Kyukyuchaj rivers; Nakhichevan river near Shakhbuz (Azerbaijan, USSR).
- latilobus** RUBZOV, 1973: Новые и малоизвестные виды фауны Сибири, **7**: 126 (*Simulium*). Type-locality: Kulyuk river (Krasnoyarsk territory, USSR).—Distr.: USSR: ES.
- latitarsus** RUBZOV, 1971: Annls hist.-nat. Mus. natn. hung., **63**: 270 (*Simulium*). Type-locality: "Chövsgöl aimak, 8 km vom Somon Burenchaan am Fluß Delger mörön" (Mongolia).—Distr.: Asia: Mongolia.
- liriense** RIVOSECCHI, 1961: Parassitologia, **3**(3): 202 (*Simulium*). Type-locality: "fiume Carigliano" (Italy).—Distr.: Europe: I.
- longipalpe** BELTUKOVA, 1955: Ученые записки Молотовского гос. унив., **7**(3): 29 (*Simulium*). Type-locality: Sylva river and its tributary Kishertka river, Perm district (USSR).—Distr.: Europe: R; USSR: NET, CET, SET, WS, ES, FE.
- minutissimum** (ZETTERSTEDT, 1850): Dipt. Scand., **9**: 3421 (*Simulia*). Type-locality: "in Bottnia Boreali, ad Storsand in paroecia Öfver-Lulea" (Sweden).—Distr.: Europe: S.
- zetterstedti* CARLSSON, 1962: Opusc. ent., **21**: 102 (*Simulium*). An unnecessary new name for *minutissimum* ZETTERSTEDT, 1850.
- morsitans** EDWARDS, 1915: Bull. ent. Res., **6**: 32 (*Simulium*). Type-locality: "Christchurch, Hants." (Great Britain).—Distr.: Europe: BG, CS, D, DDR, F, GB, H, I, N, R, S, SF; USSR: CET, SET, KZ, ?ES, ?FE.
- wilhelmi* ENDERLEIN, 1922: Konowia, **1**(1-2): 74 (*Simulium*). Type-locality: "Kreis Ost-Sternberg" (?Czechoslovakia).
- nanum** ZETTERSTEDT, 1838: Insecta Lapp.: 802 (*Simulium*). Type-localities: "Lapponia Umensi: ad Stensele, Lycksele et Wilhelmina, . . . ad Lycksele et Tresunda" (Sweden).—Distr.: Europe: S.
- nikkoense** SHIRAKI, 1935: Mem. Fac. Agric. Taihoku imp. Univ., **16**(1): 77 (*Simulium*). Type-locality: "Nikko" (Japan).—Distr.: Asia: Japan.
- paramorsitans** RUBZOV, 1956: Fauna USSR, **6**(6), Simuliidae, 2 Ed.: 782 (*Simulium*). Type-locality: Kamenka river, Leningrad district (USSR).—

- Distr.: Europe: BG, CS, D, DDR, H, I, N, R, YU; USSR: NET, CET, SET, WS.
- paelignum* RIVOSECCHI, 1966: Riv. Parassit., 27(1): 27 (*Simulium*, as subsp. of *paramorsitans*). Type-locality: "L'altopiano di Primo-Campe" (Italy).
- parvum** ENDERLEIN, 1921: Sber. Ges. naturf. Freunde Berl., 1921: 221 (*Simulium*). Type-locality: "Europa (Genauer Fundort fehlt)".—Distr.: Europe.
- pitense** CARLSSON, 1962: Opusc. ent., 21: 108 (*Simulium*). Type-locality: "Sweden, . . . Arvidsjaur".—Distr.: Europe: N, S.
- posticatum** MEIGEN, 1838: Syst. Besch., 7: 52 (*Simulia*). Type-locality: Germany.—Distr.: Europe: D, DDR ["Germany: Stolberg": see ZWICK and CROSSKEY, 1981: Aquat. Ins., 2(4) (1980): 240].
- promorsitans** RUBZOV, 1956: Fauna USSR, 6(6), Simuliidae, 2 Ed.: 785 (*Simulium*). Type-locality: Or river, Orenburg district (Ural, USSR).—Distr.: USSR: CET, SET, KZ, WS, ES.
- pseudoreptans** ENDERLEIN, 1935: Sber. Ges. naturf. Freunde Berl., 1935: 364 (*Simulium*). Type-locality: "Deutschland, Hannover".—Distr.: Europe: D.
- pubescens** MACQUART, 1834: Hist. nat. Ins., Dipt., 1: 174 (*Simulium*). Type-locality: not given (France).—Distr.: Europe: F.
- pubiventris** ZETTERSTEDT, 1838: Insecta Lapp.: 802 (*Simulium*). Type-localities: "Lapponia Umensi: . . . in alpe Brattiksfjell, et in graminosis ad Wilhelmina, . . . in fenestris Lyckselensibus" (Sweden).—Distr.: Europe: S.
- pulchripes** AUSTEN, 1925: Bull. ent. Res., 16(1): 4 (*Simulium*). Type-locality: "Dardanelles, near Chanak" (Turkey).—Distr.: Europe: TR; Asia: Turkey.
- remotum** RUBZOV, 1956: Fauna USSR, 6(6), Simuliidae, 2 Ed.: 824 (*Simulium*). Type-locality: 60 km northwest of Peking (China).—Distr.: Asia: China.
- reptans** (LINNAEUS, 1758): Syst. Nat. Ed. 10, 1: 603 (*Culex*). Type-locality: not given (Europe).—Distr.: Europe: A, CS, D, DDR, E, F, GB, H, I, N, R, S, SF; USSR: NET, CET, SET, WS, ES; Nearctic Region.
- sericeum* (LINNÉ, 1767): Syst. Nat. Ed. 12, 1(2): 978 (*Tipula*). Type-locality: not given (Europe).
- argyropezum* (MEIGEN, 1804): Klass. Besch., 1: 96 (*Atractocera*). Type-locality: Germany ["Germany: Stolberg", type-material lost: see ZWICK and CROSSKEY, 1981: Aquat. Ins., 2(4)(1980): 231].
- elegans* (MEIGEN, 1818): Syst. Besch., 1: 296 (*Simulia*). Type-locality: Germany ["Germany: Stolberg", type-material lost; see ZWICK and CROSSKEY, 1981: Aquat. Ins., 2(4)(1980): 236].
- varipes* (MEIGEN, 1818): Syst. Besch., 1: 292 (*Atractocera*). Type-locality: not given [published as a synonym: see ZWICK and CROSSKEY, 1981: Aquat. Ins., 2(4)(1980): 234].
- cinctum* (MEIGEN, 1830) Syst. Besch., 6: 311 (*Simulia*). Type-locality: Germany ["?Germany: Stolberg" type-material lost: see ZWICK and CROSSKEY, 1981: Aquat. Ins., 2(4)(1980): 237].

- pictum* (MEIGEN, 1838) Syst. Besch., 7: 53 (*Simulia*). Type-locality: Germany ("Germany: Stolberg"—lectotype des. by ZWICK and CROSSKEY, 1981: Aquat. Ins., 2(4)(1980): 241).
- latimanus* ENDERLEIN, 1921: Sber. Ges. naturf. Freunde Berl., 1921: 218 (*Simulium*). Type-locality: "Deutschland (Harz, Züllichau)".
- murmanum* ENDERLEIN, 1935: Sber. Ges. naturf. Freunde Berl., 1935: 363 (*Simulium*). Type-locality: "Nordrußland, Murmanküste, Rentier Insel bei Alexandrovsk", Kolsky peninsula (USSR).
- reptans calopum** BARANOV, 1926: Neue Beitr. syst. Insektenk., 3(19–20): 184 (*Simulium*). Type-locality: Yugoslavia.—Distr.: Europe: YU. ("Yugoslavia: Serbia, river Timok"—lectotype des. by CROSSKEY and PETERSON, 1972: Bull. Br. Mus. nat. Hist. (B), 27(3): 205).
- reptans glumovoense** BARANOV, 1937: Vet. Arch. Zagreb, 7(5): 257 (*Simulium*). Type-locality: Yugoslavia.—Distr.: Europe: YU. ("Yugoslavia: Macedonia, Skopje, Glumovo"—lectotype des. by CROSSKEY and PETERSON, 1972: Bull. Br. Mus. nat. Hist. (B), 27(3): 206).
- reptans ornatoide** BARANOV, 1926: Neue Beitr. syst. Insektenk., 3(19–20): 184 (*Simulium*). Type-locality: Yugoslavia.—Distr.: Europe: YU ["Yugoslavia: Serbia, Tuman": see CROSSKEY and PETERSON, 1972: Bull. Br. Mus. nat. Hist. (B), 27(3): 206; type-material lost].
- reptans pseudokolumbaczense** BARANOV, 1937: Vet. Arch. Zagreb, 7(5): 255 (*Simulium*). Type-locality: Yugoslavia.—Distr.: Europe: YU ["Yugoslavia: Serbia, Golubac, Donau": see CROSSKEY, and PETERSON, 1972: Bull. Br. Mus. nat. Hist. (B), 27(3): 206].
- reptans pukovaense** BARANOV, 1937: Vet. Arch. Zagreb, 7(5): 256 (*Simulium*). Type-locality: Yugoslavia.—Distr.: Europe: YU. ("Yugoslavia: Macedonia, Pukovac"—lectotype des. by CROSSKEY and PETERSON, 1972: Bull. Br. Mus. nat. Hist. (B), 27(3): 206).
- reptans tumanicum** BARANOV, 1937: Vet. Arch. Zagreb, 7(5): 255 (*Simulium*). Type-locality: Yugoslavia.—Distr.: Europe: YU. ["Yugoslavia: Serbia, Tuman": see CROSSKEY and PETERSON, 1972: Bull. Br. Mus. nat. Hist. (B), 27(3): 206].
- reptans vardaricum** BARANOV, 1937: Vet. Arch. Zagreb, 7(5): 256 (*Simulium*). Type-locality: Yugoslavia.—Distr.: Europe: YU ["Yugoslavia: Macedonia, Skopje": see CROSSKEY and PETERSON, 1972: Bull. Br. Mus. nat. Hist. (B), 27(3): 207].
- reptantoides** CARLSSON, 1962: Opusc. ent., 21: 110 (*Simulium*, as new name for *galeratum*: RUBZOV, 1956). Type-localities not given (Northern Europe and Asia).—Distr.: Northern Europe and Asia.
- galeratum*: RUBZOV, 1956: Fauna USSR, 6(6), Simuliidae, 2 Ed.: 807 (*Simulium*), not *galeratum* EDWARDS, 1920; misidentification.
- rezvoi** RUBZOV, 1956: Fauna USSR, 6(6), Simuliidae, 2 Ed.: 799 (*Simulium*). Type-locality: Atbasar, Turgay district (Kazakhstan, USSR).—Distr.: USSR: KZ.



- rheophilum** TAN et CHOW, 1976: Acta ent. sin., **19**(4): 456 (*Simulium*). Type-locality: Peking (China).—Distr.: Asia: China.
- rivosecchii** RUBZOV, 1964: Memorie Soc. ent. ital., **43**: 85 (*Simulium*, as new name for *parvum*: RUBZOV, 1956). Type-locality: "Dintorni di Roma" (Italy).—Distr.: Europe: I.  
*parvum*: RUBZOV, 1956: Fauna USSR, **6**(6), Simuliidae, 2 Ed.: 777 (*Simulium*), not *parvum* ENDERLEIN, 1921; misidentification.
- rubtzovi** SMART, 1945: Trans. R. ent. Soc. Lond., **95**(8): 528 (*Simulium*, as new name for *similis* RUBZOV, 1939, a junior primary homonym of *S. similis* SILVA FIGUEROA, 1917: 33 and MALLOCH, 1919: 42).—Distr.: USSR: CET, SET, KZ, WS, ES.  
*similis* RUBZOV, 1939: Parazit. Sb. zool. Inst. Moskva, **7**: 196 (*Simulium*). Type-locality: tributary of Uda river, 40 km from Ulan-Ude (Buryatia, USSR).
- [**senile** BRUNETTI, 1911: Rec. Indian Mus., **4**(7): 288 (*Simulium*). Type-locality: "at Phagu, 8700 ft., Simla district" (India).—Distr.: ?USSR: SMA; India (Himalaya).]
- shevtshenkovae** RUBZOV, 1965: Ent. Obozr., **44**(3): 650 (*Simulium*, as new name for *venustoides* RUBZOV, 1963, a junior primary homonym of *S. venustoides* HART, 1912: 42).—Distr.: USSR: CET, SET.  
*venustoides* RUBZOV, 1963: 14. Simuliidae, Fliegen pal. Reg., **3**(4): 553 (*Simulium*). Type-locality: "Fluß Oskol, Gebiet Charkov" (Ukraine, USSR).
- shirakii** KONO et TAKAHASI, 1940: Insecta matsum., **14**: 82 (*Simulium*, as new name for *minutum* SHIRAKI, 1935, a junior primary homonym of *S. minutum* LUGGER, 1897: 202).—Distr.: Asia: Japan; Taiwan.  
*minutum* SHIRAKI, 1935: Mem. Fac. Agric. Taihoku imp. Univ., **16**(1): 62 (*Simulium*). Type-locality: "Taihoku, Formosa" (Taiwan).
- simulans** RUBZOV, 1956: Fauna USSR, **6**(6), Simuliidae, 2 Ed.: 789 (*Simulium*, as var. of *morsitans* EDWARDS). Type-locality: Yelshanka river, Orenburg district (Ural, USSR).—Distr.: USSR: CET, SET, KZ.
- sublacustre** DAVIES, 1966: Trans. R. ent. Soc. Lond., **118**(14): 491 (*Simulium*). Type-locality: "Lancashire/Westmorland: river Brathay at outlet of Little Langdale Tarn" (Great Britain).—Distr.: Europe: D, DDR, GB, N, S.
- tarnogradskii** RUBZOV, 1940: Trudy sevan. hydrobiol. Stn, **6**: 83 (*Simulium*). Type-locality: Bolshaya Laba river (Northern Caucasus, USSR).—Distr.: USSR: SET, TC.
- tenuifrons** ENDERLEIN, 1921: Sber. Ges. naturf. Freunde Berl., **1921**: 222 (*Simulium*). Type-locality: "Deutschland (Hamburg)".—Distr.: Europe: D.
- tobetsuense** ONO, 1977: Jap. J. sanit. Zool., **28**(3): 263 (*Simulium*). Type-locality: "Tobetsu river at Satsunai, Makubetsu" (Hokkaido, Japan).—Distr.: Asia: Japan.

- truncatum** (LUNDSTRÖM, 1911): Acta Soc. Fauna Flora fenn., **34**: 12 (*Melusina*, as var. of *reptans* LINNAEUS). Type-localities: "Kuustö, . . . Abo, Eriksberg, . . . Helsinge, . . . Kangasala, . . . Wiborg, . . . Rautus, . . . Kuopio, . . . Kontiolaks, . . . Muonio, . . . Kittilä, . . . Enontekis" (Finland).—Distr.: Europe: D, DDR, N, PL, S, SF; USSR: NET, CET, SET, WS, ES, FE.
- varicolor** SÉGUY, 1925: Encycl. ent. (B II) Dipt., **2**: 6 (*Simulium*). Type-locality: Aube, Bar-sur-Seine (France).—Distr.: Europe: F. [Type-material lost.]
- venustum** SAY, 1823: J. Acad. nat. Sci. Philad., **3**: 28 (*Simulium*). Type-locality: "Springsport, Falls of the Ohio" (USA).—Distr.: Europe: ?R; USSR: ?SET, FE; Asia: ?Mongolia, ?Japan; Nearctic Region.
- verecundum** STONE et JAMNBACK, 1955: Bull. N.Y. St. Mus., **349**: 83 (*Simulium*). Type-locality: "Monroe County, Pennsylvania" (USA).—Distr.: Europe: CS, D, DDR, F, H, N, R, S, SF; USSR: NET, CET, SET, WS, ES, FE; Nearctic Region.
- violaceum** ENDERLEIN, 1922: Konowia, **1**(1–2): 75 (*Simulium*). Type-locality: "Ungarn, Banat" (Yugoslavia).—Distr.: Europe: YU.
- voilense** SERBAN, 1960: Com. Acad. Rep. Pop. Rom., **10**(2): 125 (*Simulium*). Type-locality: "la rivière Doftana (affluent gauche de la Prahova, débouchant près de Cimpina)" (Roumania).—Distr.: Europe: R.
- xanthinum** EDWARDS, 1933: Annln naturh. Mus. Wien, **46**: 256 (*Simulium*). Type-locality: "Andalusia: Algeciras" (Spain).—Distr.: Europe: E.

### Doubtful species

- canescens* BRÊME, 1842: In KÖLLIKER: Diss. Inaug. Turici: 11 (*Simulium*). Type-locality: not given.
- humerale* ZETTERSTEDT, 1855: Dipt. Scand., **12**: 4831 (*Simulia*). Type-locality: "Ölandia" (Sweden).
- lanio* (LINNAEUS, 1761): Fauna sveciae, 2 Ed.: 541 (*Culex*). Type-locality: not given (Sweden).
- sangvinarium* (PALLAS, 1771): Reise Russe, **1**: 475 (*Bibio*). Type-locality: "Ad Volgam" (USSR).

## Family Thaumaleidae

By J. MARTINOVSKÝ and R. ROZKOŠNÝ

Small, mostly about 3–4 mm long, shining yellowish or dark brown flies with dorsally swollen thorax. The members of Thaumaleidae resemble partly some groups of Ceratopogonidae, but differ markedly in shape of antennae and wing venation.

Head small and rounded, eyes touching in both sexes and ocelli absent. Antennae 12-segmented, with a short scape, spherical and relatively very large pedicel and a slender, not too long flagellum. Palpi 5-segmented with enormously dilated basal segments in the male of *Androprosoxa*. Transverse thoracic suture indistinct, scutellum fairly large and acute apically. Wings rather large, often uniformly infuscated, without macrotrichia in the Palearctic species; both crossveins present and located near wing base. Legs rather short, without spurs and pulvilli. Abdomen narrower than thorax, with enlarged tergum 9 in male. Male terminalia characterized by mostly cylindrical gonocoxite, distally tapering

gonostyles, and by a pair of sclerotized parameres. Ventral appendages of gonocoxites and ventral membrane may also be developed. Female sternum 8 forming distally a pair of subtriangular hypopygial valves; some specific characters may be found on female tergum 9 and in shape of female cerci.

Larvae aquatic, elongate and cylindrical, bearing an unpaired proleg on prothorax. Posterior unpaired proleg comprising last abdominal segment. Head capsule well developed, with a pair of massive mandibles and distally dentate hypostomium. Each thoracic and abdominal segment sclerotized dorsally and bearing several distinct setae. A pair of short respiratory tubes present on prothorax dorsolaterally; abdominal segment 8 with a dorsal transverse respiratory opening near its hind margin. Pupae free, not provided with a cocoon.

Larvae living on wet rocks and on the banks of hill and mountain streams. They favour surfaces covered with a thin film of running water. Pupae located in wet moss or in mud. Adults found on vegetation and on shaded stones and rocks, usually not far from the larval habitat.

So far 77 species of the family have been recorded in the Palaearctic Region. Many of them seem to be endemic in certain mountain systems, only a few species exhibit a larger distribution area.

**References:** JOOST, 1978, 1979; MARTINOVSKÝ and ROZKOŠNÝ, 1976; SCHMID, 1951, 1958, 1970; THEISCHINGER, 1979; VAILLANT, 1953, 1968, 1969, 1977, 1978, 1981; WAGNER, 1980, 1981.

### Androprosopa MIK, 1898

MIK, 1898: Wien. ent. Ztg, **17**: 65.

Type-species: *Orphnephila larvata* MIK, 1888: Wien. ent. Ztg, **7**: 243 (orig. des.).

**larvata** (MIK, 1888): Wien. ent. Ztg, **7**: 243 (*Orphnephila*). Type-locality: "Alpes tirolenses" (Austria).—Distr.: Europe: F, D, PL, CS, A, CH, I, YU, BG.

### Orphnephilina ENDERLEIN, 1936

ENDERLEIN, 1936: Tierwelt Mitteleur., **6**(2), Diptera: 96.

Type-species: *Orphnephila nigra* LOEW, 1871: Besch. europ. Dipt., **2**: 30 (mon.).

*Psychothaumalea* VAILLANT, 1970: Trav. Lab. Hydrobiol. Piscic. Univ. Grenoble, **61**: 166. Type-species: *Orphnephila nigra* LOEW, 1871: Besch. europ. Dipt., **2**: 30 (orig. des.).

**atropatenica** (SCHMID, 1958): Bull. Inst. r. Sci. nat. Belg., **34**(10): 16 (*Thaumalea*). Type-locality: Kuh-i-Savelan (Iran).—Distr.: Asia: Iran.

**carthusiana** VAILLANT, 1977: Anns Soc. ent. Fr. (N.S.), **13**: 699 (*Orphnephilina*). Type-locality: Chartreuse, Alpes du Dauphine (France).—Distr.: Europe: F.

**hyrcanica** (SCHMID, 1958): Bull. Inst. r. Sci. nat. Belg., **34**(10): 16 (*Thaumalea*). Type-locality: Lius (Iran).—Distr.: Asia: Iran.

**longicauda** (VAILLANT, 1970): Trav. Lab. Hydrobiol. Piscic. Univ. Grenoble, **61**: 168 (*Psychothaumalea*). Type-locality: Restonica Valley (Corsica).—Distr.: Europe: F (Corsica).

**nigra** (LOEW, 1871): Besch. europ. Dipt., **2**: 30 (*Orphnephila*). Type-locality: Tatra Mts (Poland).—Distr.: Europe: F, CS, A, I, R.

**Protothaumalea** VAILLANT, 1977

VAILLANT, 1977: *Annl. Soc. ent. Fr. (N.S.)*, **13**: 698.

Type-species: *Thaumalea tarda* LOEW, 1847: *Stettin. ent. Ztg.*, **8**: 369 (orig. des.).

**algira** (VAILLANT, 1953): *Encycl. ent. (B II) Dipt.*, **11**: 127 (*Thaumalea*). Type-locality: Atlas de Blida (Algeria).—Distr.: Europe: E (Balearic Islands); North Africa: Algeria.

**japonica** (OKADA, 1938): *Annotnes zool. jap.*, **17**: 390 (*Thaumalea*). Type-locality: Kogesawa near Takao (Japan).—Distr.: Asia: Japan.

**striata** (OKADA, 1938): *Annotnes zool. jap.*, **17**: 392 (*Thaumalea*). Type-locality: Kogesawa near Tokao (Japan).—Distr.: Asia: Japan.

**tarda** (LOEW, 1847): *Stettin. ent. Ztg.*, **8**: 369 (*Thaumalea*). Type-locality: Messina (Italy).—Distr.: Europe: F (Corsica), I (Sicily).

**Thaumalea** RUTHÉ, 1831

RUTHÉ, 1831: *Isis*, **1831**(11): 1211.

Type-species: *Thaumalea testacea* RUTHÉ, 1831: l.c.: 1211 (mon.).

*Orphnephila* HALIDAY, 1832: *Zool. J. Lond.*, **5**(1832): 350. Type-species: *Orphnephila devia* HALIDAY, 1832: l.c.: 350 (mon.) [= *testacea* (HALIDAY)].

*Thaumalia* (LOEW, 1847: *Stettin. ent. Ztg.*, **8**: 66, error.

*Chenesia* MACQUART, 1834: *Hist. nat. Ins., Dipt.*, **1**: 151. Type-species: *Chenesia testacea* MACQUART, 1834: l.c.: 152 (mon.).

*Ochnephila* (HAGEN, 1862: *Biblioth. Ent.*, **1**: 334, error.

*Chenisia* (KERTÉSZ, 1902: *Catal. Dipt.*, **1**: 292, error.

*Prothaumalea* ENDERLEIN, 1936: *Tierwelt Mitteleur.*, **6**(2) Diptera: 96. Type-species: *Thaumalea caudata* BEZZI, 1913: *Boll. Lab. Zool. gen. agr. Portici*, **7**: 257 (orig. des.).

**alpina** VAILLANT, 1981: *Aquat. Ins.*, **3**: 133 (*Thaumalea*). Type-locality: Guiers Vif, Isère (France).—Distr.: Europe: F.

**alticola** SCHMID, 1951: *Bull. Inst. r. Sci. nat. Belg.*, **27**(40): 2 (*Thaumalea*). Type-locality: Val del Inferno, Sierra Nevada (Spain).—Distr.: Europe: E.

**aperta** MARTINOVSKÝ et ROZKOŠNÝ, 1976: *Acta ent. bohemoslov.*, **73**: 190 (*Thaumalea*). Type-locality: Štrba-Lieskovec, Slovakia (Czechoslovakia).—Distr.: Europe: CS.

**austriaca** EDWARDS, 1929: *Zool. Anz.*, **82**: 136 (*Thaumalea*). Type-locality: Gastein (Austria).—Distr.: Europe: Andorra, F, CH, A, CS, I.

*bruyanti* VAILLANT, 1953: *Encycl. ent. (B II) Dipt.*, **11**: 125 (*Thaumalea*). Type-locality: Vercors Mts, Alps (France).

**baltasardi** SCHMID, 1958: *Bull. Inst. r. Sci. nat. Belg.*, **34**(10): 13 (*Thaumalea*). Type-locality: Lius (Iran).—Distr.: Asia: Iran.

- bernardi** VAILLANT, 1953: *Encycl. ent. (B II) Dipt.*, **11**: 126 (*Thaumalea*). Type-locality: Djurdjura (Algeria).—Distr.: North Africa: Algeria.
- bezzii** EDWARDS, 1929: *Zool. Anz.*, **82**: 134 (*Thaumalea*). Type-locality: Scais (Italy).—Distr.: Europe: F, CH, A, PL, CS, I, YU, R, BG, GR, AL.
- bosnica** SCHMID, 1958: *Bull. Inst. r. Sci. nat. Belg.*, **34**(10): 11 (*Thaumalea*). Type-locality: Trnovo, Macedonia (Yugoslavia).—Distr.: Europe: YU.
- botosaneanui** VAILLANT, 1969: *Annl. Soc. ent. Fr. (N.S.)*, **5**: 690 (*Thaumalea*). Type-locality: Gemenele Lake, Retezat Mts (Roumania).—Distr.: Europe: R.
- brevidens** EDWARDS, 1929: *Zool. Anz.*, **82**: 131 (*Thaumalea*). Type-locality: Vent (Austria).—Distr.: Europe: A.
- brincki** VAILLANT, 1960: *Bolm Mus. munic. Funchal*, **17**: 28 (*Thaumalea*). Type-locality: "Rib. do Laga, east of Pico do Serrado" (Madeira).—Distr.: Madeira.
- caudata** BEZZI, 1913: *Boll. Lab. Zool. gen. agr. Portici*, **7**: 257 (*Thaumalea*). Type-localities: "Stiria; Val del Livrio; Scais" (Austria, Italy).—Distr.: Europe: N, PL, F, D, CH, A, CS, I.
- cebennica** VAILLANT, 1977: *Annl. Soc. ent. Fr. (N.S.)*, **13**: 702 (*Thaumalea*). Type-locality: Laviolle, Ardèche (France).—Distr.: Europe: F.
- chiosica** WAGNER, 1981: *Spixiana*, **4**: 148 (*Thaumalea*). Type-locality: Chios, Fitá (Greece).—Distr.: Europe: GR.
- corsica** EDWARDS, 1928: *Encycl. ent. (B II) Dipt.*, **4**: 174 (*Thaumalea*). Type-locality: Restonica Valley, Corte (Corsica).—Distr.: Europe: F (Corsica).
- curtior** SCHMID, 1958: *Bull. Inst. r. Sci. nat. Belg.*, **34**(10): 6 (*Thaumalea*). Type-locality: Gredos Lake (Spain).—Distr.: Europe: E.
- decussiferens** VAILLANT, 1969: *Annl. Soc. ent. Fr. (N.S.)*, **5**: 694 (*Thaumalea*). Type-locality: Tatra Mts: between Morskie Oko and Mickiewicz Cascades (Poland).—Distr.: Europe: PL, CS.
- dentata** EDWARDS, 1929: *Zool. Anz.*, **82**: 138 (*Thaumalea*). Type-locality: Bessans, Graian Alps (France).—Distr.: Europe: F, A.
- digitata** EDWARDS, 1929: *Zool. Anz.*, **82**: 138 (*Thaumalea*). Type-locality: "Gries-i-Sellr". (Austria).—Distr.: Europe: A.
- dinarica** SCHMID, 1958: *Bull. Inst. r. Sci. nat. Belg.*, **34**(10): 10 (*Thaumalea*). Type-locality: Trebević, Bosnia (Yugoslavia).—Distr.: Europe: YU, R.
- divaricata** BEZZI, 1913: *Boll. Lab. Zool. gen. agr. Portici*, **7**: 256 (*Thaumalea*). Type-localities: "Alpi valtelinesi, Moncenisio" (Italy).—Distr.: Europe: F, A, I.
- edwardsi** TJEDER, 1949: *Opusc. ent.*, **14**: 106 (*Thaumalea*). Type-locality: Băile Herculane (Roumania).—Distr.: Europe: R.
- freyi** EDWARDS, 1929: *Zool. Anz.*, **82**: 130 (*Thaumalea*). Type-locality: Balme, Graian Alps (France).—Distr.: Europe: F.
- furva** EDWARDS, 1929: *Zool. Anz.*, **82**: 130 (*Thaumalea*). Type-locality: Sölden (Austria).—Distr.: Europe: F, A.
- galibierensis** VAILLANT, 1953: *Encycl. ent. (B II) Dipt.*, **11**: 125 (*Thaumalea*). Type-locality: Pelvoux Mts, Alps (France).—Distr.: Europe: F, A.

- gredosensis** SCHMID, 1951: Bull. Inst. r. Sci. nat. Belg., **27**(40): 4 (*Thaumalea*). Type-locality: Gredos Lake (Spain).—Distr.: Europe: E.
- ikariae** WAGNER, 1981: Spixiana, **4**: 148 (*Thaumalea*). Type-locality: Ikaria, Chrisostomos (Greece).—Distr.: Europe: GR.
- inflata** BEZZI, 1913: Boll. Lab. Zool. gen. agr. Portici, **7**: 251 (*Thaumalea*). Type-localities: Moncenisio, Valtellina (Italy).—Distr.: Europe: I.
- intermedia** SCHMID, 1958: Bull. Inst. r. Sci. nat. Belg., **34**(10): 11 (*Thaumalea*). Type-locality: Perister, Macedonia (Yugoslavia).—Distr.: Europe: YU.
- kykladica** WAGNER, 1981: Spixiana, **4**: 144 (*Thaumalea*). Type-locality: Evvoia, Komiton (Greece).—Distr.: Europe: GR.
- lesbica** WAGNER, 1981: Spixiana, **4**: 148 (*Thaumalea*). Type-locality: Lesbos, Ipsilometopo (Greece).—Distr.: Europe: GR.
- libanica** EDWARDS, 1932: Stylops, **1**: 33 (*Thaumalea*). Type-locality: Becharré (Lebanon).—Distr.: Asia: Lebanon.
- macedonica** SCHMID, 1958: Bull. Inst. r. Sci. nat. Belg., **34**(10): 10 (*Thaumalea*). Type-locality: Perister, Macedonia (Yugoslavia).—Distr.: Europe: YU.
- major** BEZZI, 1913: Boll. Lab. Zool. gen. agr. Portici, **7**: 254 (*Thaumalea*). Type-locality: "Alpi della Valtellina" (Italy).—Distr.: Europe: F, CH, I.
- malickyi** THEISCHINGER, 1979: Aquat. Ins., **1**: 51 (*Thaumalea*). Type-locality: Fassas Valley W. Chliaro, Crete (Greece).—Distr.: Europe: GR.
- martinovskiy** JOOST, 1979: Ent. Nachr., **1979**: 89 (*Thaumalea*). Type-locality: Dongusorum-Baksan near Terskol, Caucasus (USSR).—Distr.: USSR: SET (Rs).
- micomicon** SCHMID, 1951: Bull. Inst. r. Sci. nat. Belg., **27**(40): 5 (*Thaumalea*). Type-localities: Sierra Nevada: Val del Infierno, Durcal (Spain).—Distr.: Europe: E.
- miki** EDWARDS, 1929: Zool. Anz., **82**: 131 (*Thaumalea*). Type-locality: Gastein (Austria).—Distr.: Europe: F, A, CS, YU.
- minuta** WAGNER, 1981: Spixiana, **4**: 146 (*Thaumalea*). Type-locality: Andros, Apikia (Greece).—Distr.: Europe: GR.
- mixta** EDWARDS, 1929: Zool. Anz., **82**: 129 (*Thaumalea*). Type-locality: Kühtal (Austria).—Distr.: Europe: A.
- pachystyla** VAILLANT, 1977: Anns Soc. ent. Fr. (N.S.), **13**: 701 (*Thaumalea*). Type-locality: Estibère, Pyrénées Mts (France).—Distr.: Europe: F.
- popovi** JOOST, 1978: Ent. Nachr., **1978**: 118 (*Thaumalea*). Type-locality: Zopot, Stara Planina Mts (Bulgaria).—Distr.: Europe: BG.
- provincialis** VAILLANT, 1977: Anns Soc. ent. Fr. (N.S.), **13**: 702 (*Thaumalea*). Type-locality: "Belvédère, alpes Maritimes" (France).—Distr.: Europe: F.
- pulla** EDWARDS, 1929: Zool. Anz., **82**: 130 (*Thaumalea*). Type-locality: Kühtal (Austria).—Distr.: Europe: F, A.
- pyrenaica** EDWARDS, 1929: Zool. Anz., **82**: 135 (*Thaumalea*). Type-locality: Vemetles-Bains (France).—Distr.: Europe: E, F.
- remota** MARTINOVSKÝ et ROZKOŠNÝ, 1976: Acta ent. bohemoslov., **73**: 197 (*Thaumalea*). Type-locality: Hrubá Voda (Czechoslovakia).—Distr.: Europe: CS.

- restonica** VAILLANT, 1970: Trav. Lab. Hydrobiol. Piscic. Univ. Grenoble, **61**: 170 (*Thaumalea*). Type-locality: Restonica Valley (Corsica).—Distr.: Europe: F (Corsica).
- rumanica** EDWARDS, 1929: Zool. Anz., **82**: 136 (*Thaumalea*). Type-locality: Băile Herculane (Roumania).—Distr.: Europe: R.
- schmidi** MARTINOVSKÝ et ROZKOŠNÝ, 1976: Acta ent. bohemoslov., **73**: 198 (*Thaumalea*). Type-locality: "Styriae alp." (Austria).—Distr.: Europe: A.
- seguyi** VAILLANT, 1969: Anns Soc. ent. Fr. (N.S.), **5**: 697 (*Thaumalea*). Type-locality: Vanoise Mts (France).—Distr.: Europe: F.
- serbica** WAGNER, 1980: Aquat. Ins., **2**: 15 (*Thaumalea*). Type-locality: Pirot, Serbia (Yugoslavia).—Distr.: Europe: YU.
- serrata** EDWARDS, 1929: Zool. Anz., **82**: 139 (*Thaumalea*). Type-locality: Kühtal (Austria).—Distr.: Europe: F, A.
- spinata** VAILLANT, 1954: Entomologiste, **10**: 94 (*Thaumalea*). Type-locality: "Alpes du Queyras" (France).—Distr.: Europe: F.
- subafricana** (BECKER, 1908): Mitt. zool. Mus. Berlin, **4**: 70 (*Orphnephila*). Type-localities: Tenerife, Las Palmas (Canary Is).—Distr.: Canary Is.
- suzonae** SCHMID, 1958: Bull. Inst. r. Sci. nat. Belg., **34**(10): 14 (*Thaumalea*). Type-locality: Barajan (Iran).—Distr.: Asia: Iran.
- tatrica** VAILLANT, 1969: Anns Soc. ent. Fr. (N.S.), **5**: 699 (*Thaumalea*). Type-locality: Bucegi Mts (Roumania).—Distr.: Europe: PL, CS, R.
- testacea** RUTHÉ, 1831: Isis, **1831** (11): 1211 (*Thaumalea*). Type-locality: Frankfurt a. O. [DDR].—Distr.: Europe: N, S, IRE, GB, E, F, B, D, DDR, CH, A, CS, I; USSR: NET (Rs), SET (Rs).
- devia* (HALIDAY, 1832): Zool. J. Lond., **5**: 350 (*Orphnephila*). Type-localities: Holywood, Galway (Great Britain).
- testacea* (MACQUART, 1834): Hist. nat. Ins., Dipt., **1**: 152 (*Chenesia*). Type-locality: Liège, Chênée (Belgium).
- obscura* (ZETTERSTEDT, 1850): Dipt. Scand., **9**: 3452 (*Chenesia*). Type-locality: Dovre (Norway).
- thalhammeri** ZILAHÍ-SEBESS, 1956: Acta zool. hung., **2**: 433 (*Thaumalea*). Type-locality: Pécs (Hungary).—Distr.: Europe: H.
- thomasi** VAILLANT, 1968: Anns Limnol., **4**: 83 (*Thaumalea*). Type-locality: Hospitalet, Pyrénées (France).—Distr.: Europe: F.
- toscanica** VAILLANT, 1981: Aquat. Ins., **3**: 135 (*Thaumalea*). Type-locality: Monte Falco, N. of Stia (Italy).—Distr.: Europe: I.
- truncata** EDWARDS, 1929: Zool. Anz., **82**: 137 (*Thaumalea*). Type-locality: Grange-over-Sands, N Lancashire (England).—Distr.: Europe: N, S, GB, B, F, D, A, CS.
- tricuspis* TJEDER, 1949: Opusc. ent., **14**: 107 (*Thaumalea*). Type-locality: Ravlunda, Kyrkbyn, Scania (Sweden).
- vailanti** MARTINOVSKÝ et ROZKOŠNÝ, 1976: Acta ent. bohemoslov., **73**: 203 (*Thaumalea*). Type-locality: Račkova Valley, West Tatra Mts (Czechoslovakia).—Distr.: Europe: CS.

- valdesia** SCHMID, 1951: Bull. Inst. r. Sci. nat. Belg., **27**(40): 5 (*Thaumalea*). Type-locality: Tanay, Valais (Switzerland).—Distr.: Europe: CH.
- veletensis** VAILLANT, 1977: Anns Soc. ent. Fr. (N.S.), **13**: 704 (*Thaumalea*). Type-locality: Sol y Nieve, Veleta Mt., Sierra Nevada (Spain).—Distr.: Europe: E.
- verralli** EDWARDS, 1929: Zool. Anz., **82**: 132 (*Thaumalea*). Type-locality: St. Ives, Cornwall (Great Britain).—Distr.: Europe: IS, IRE, GB, E, F, B, D.
- zernyi** EDWARDS, 1929: Zool. Anz., **82**: 129 (*Thaumalea*). Type-locality: Korab [= Korabi Mts] (Albania).—Distr.: Europe: AL.
- zwicki** WAGNER, 1980: Aquat. Ins., **2**: 13 (*Thaumalea*). Type-locality: Pirot, Serbia (Yugoslavia).—Distr.: Europe: YU.

### Nomina nuda

- ardechira* VAILLANT, 1978: Limnofauna Europaea, 2. Ed.: 460 (*Thaumalea*). Nomen nudum.
- carpathica* VAILLANT, 1978: Limnofauna Europaea, 2. Ed.: 460 (*Thaumalea*). Nomen nudum.
- carthusiensis* VAILLANT, 1978: Limnofauna Europaea, 2. Ed.: 460 (*Thaumalea*). Nomen nudum.

## Family Pachyneuridae

By N. P. KRIVOSHEINA and B. M. MAMAEV

Pachyneurid flies are considered as relict representatives of Diptera with slender elongate body and long legs. Eyes widely separated in both sexes. Antennae elongate, flagellum 14–15-segmented. Wings elongate with dark-coloured stigma; no anal lobe or distinct alula. No discal cell. 4 radial and 3 medial veins present. No crossvein between  $R_{2+3}$  and  $R_4$ ; veins furcate above *rm*. *Sc* long, ending in costa before middle of wing. Legs long and slender, tibia with well-developed apical spurs. Empodium and pulvilli present.

Larvae stocky, light-coloured, covered with sparse hairs; sclerotized plates lacking. Head broad, strongly sclerotized. Owing to shape of body and head, the larvae resemble caterpillars. Tracheal system holopneustic. Hind spiracles on 8th abdominal segment. Well-developed spiracles on 3rd thoracic segment. Anal pad distinctly margined by a dark line.

Larvae xylophagous, develop in decaying wood of leaf-bearing trees. Larvae pupate in wood. Adults emerge in early spring. One generation per year.

The family is represented by the single genus *Pachyneura* ZETT. with two species distributed in the Palaearctic and adjoining areas of the Oriental Region. *Axymyia* MC ATEE, previously included in the family (EDWARDS, 1928; HENDEL, 1928; HENNING, 1954; ALEXANDER, 1965), was shown to belong to the original family. *Haruka* OKADA was also included in the family (OKADA, 1938). *Cramptonomyia* ALEX. (ALEXANDER, 1931) was considered closely related to *Pachyneura* ZETT., recently regarded as belonging to the family Pachyneuridae (ALEXANDER, 1965; ALEXANDER and ALEXANDER, 1973). The family is drawn together either with Anisopodidae or Bibionidae. It has been shown recently that the family is related to Hesperinidae and the mycetophiloid group (KRIVOSHEINA, 1969).

**References:** KRIVOSHEINA and MAMAEV, 1967, 1972.



**Pachyneura** ZETTERSTEDT, 1838

ZETTERSTEDT, 1838: *Insecta* Lapp.: 850.

Type-species: *Pachyneura fasciata* ZETTERSTEDT, 1838: l.c.: 850 (mon.).

*Hesperodina* MATSUMURA, 1916: *Thousand Ins. Japan, Add.*, 2: 437. Type-species: *Hesperodina moiwana* MATSUMURA, 1916: l.c.: 437 (mon.) [= *fasciata* ZETTERSTEDT, 1838].

**fasciata** ZETTERSTEDT, 1838: *Insecta* Lapp.: 850 (*Pachyneura*). Type-locality: "Lappon. Suecica" (Sweden).—Distr.: North and Central Europe (S, SF, PL); USSR: CET, ES (south region), FE (Khabarovskiy, Primorskiy kray, Sakhalin); Asia: Japan (Hokkaido).

*moiwana* (MATSUMURA, 1916): *Thousand Ins. Japan, Add.*, 2: 437 (*Hesperodina*). Type-locality: Hokkaido.

**oculata** KRIVOSHEINA et MAMAEV, 1972: *Nauch. Dokl. vyssh. Shk., Biol. Nauk*, 11: 15 (*Pachyneura*). Type-locality: Primorskiy kray, Ussurijskiy [= Suputinskiy] zapovednik (USSR).—Distr.: USSR: FE (Primorskiy kray).

**Family Bolitophilidae**

By E. PLASSMANN

Medium-sized and slender flies. Radius with 3 branches, medio-cubital crossvein present. Antennae filiform, not thickened, remarkably elongated and slender; proboscis short and fleshy.

Larvae rather short and stout, with well-chitinized head and 12 body-segments. Head trapezoidal with a broad posterior margin. Antennae 3-segmented and well-developed. Eyes postero-lateral to antennae. Skin free from hairs and spines, except for 10 intersegmental locomotory pads situated on ventral surface between each of the segments of body.

Larvae inhabiting soft textured fungi growing on the ground. When pupating larvae burying rather deeply in or lying on the ground; they form no cocoon.

Imagos usually living in woods, and particularly along the sides of ditches and streams in wooded parts. They hibernate as larvae or as adults.

**References:** HUTSON and KIDD, 1971; MADWAR, 1937; MATILE, 1976; PLASSMANN, 1971, 1975.

**Bolitophila** MEIGEN, 1818

MEIGEN, 1818: *Syst. Besch.*, 1: 220.

Type-species: *Bolitophila cinerea* MEIGEN, 1818: l.c.: 221 (des. WESTWOOD, 1840: *Synopsis*: 127).

*Messala* CURTIS, 1836: *Brit. Ent.*, 13: 581. Type-species: *Messala saundersii* CURTIS, 1836: l.c.: 581 (mon.).

*Bolitophilella* LANDROCK, 1925: *Wien. ent. Ztg.*, 42: 179. Type-species: *Bolitophila cinerea* MEIGEN, 1818 (des. OKADA, 1939: *J. Fac. Agric. Hokkaido (imp.) Univ.*, 42: 292).

*Cliopisa* ENDERLEIN, 1936: see below as subgenus.

## Subgenus BOLITOPHILA MEIGEN, 1818

- austriaca** (MAYER, 1950): Annln naturh. Mus. Wien, **57**: 282 (*Messala*). Type-locality: Gastein, Salisburgia (Austria).—Distr.: Europe: A, F, S; USSR: CET, ES.
- basicornis** (MAYER, 1951): Annln naturh. Mus. Wien, **58**: 134 (*Messala*). Type-locality: Steinbrück, Styria inf. (Austria).—Distr.: Europe: A, D, GB, PL, S, SF.
- cinerea** MEIGEN, 1818: Syst. Besch., **1**: 221 (*Bolitophila*). Type-locality: Germany.—Distr.: Europe: A, D, DDR, GB, NL, SF, F (incl. Corsica), CH, CS, R, PL, B, YU, I, H, E, IRE, S; USSR: CET (Est, La), SET (Mo), ES; Asia: Japan.
- collarti** (TOLLET, 1943): Bull. Mus. r. Hist. nat. Belg., **19**: 17 (*Messala*). Type-locality: Linkebeek (Belgium).—Distr.: Europe: B.
- cooremani** (TOLLET, 1955): Mém. Soc. r. ent. Belg., **27**: 454 (*Messala*). Type-locality: Judetzul Turda: Pl. Câmpeni: Scarisoara, Huda dela Politza (Roumania).—Distr.: Europe: R, YU.
- japonica** (OKADA, 1934): Insecta matsum., **9**: 16 (*Bolitophilella*). Type-locality: Hokkaido, Sapporo (Japan).—Distr.: Asia: Japan.
- lengersdorfi** (TOLLET, 1955): Mém. Soc. r. ent. Belg., **27**: 453 (*Messala*). Type-locality: Judetzul Bihor: Pl. Beius: Budureasa, Pest. Z. meilor din Onceasa (Roumania).—Distr.: Europe: R, YU.
- leruthi** (TOLLET, 1955): Mém. Soc. r. ent. Belg., **27**: 451 (*Messala*). Type-locality: Judetzul Bihor: Pl. Vascau: Petroasa, Pest. dela Vránitza (Roumania).—Distr.: Europe: R.
- miki** (MAYER, 1950): Annln naturh. Mus. Wien, **57**: 281 (*Messala*). Type-locality: Hammern, Austr. sup. (Austria).—Distr.: Europe: A, S.
- saundersi** (CURTIS, 1836): Brit. Ent., **13**: 581 (*Messala*). Type-locality: Great Britain.—Distr.: Europe: GB, NL, S, SF, P, F (incl. Corsica), PL, BG, B, D, E, IRE, CH, I, R, A; North-Africa: Algeria.
- trullata** LUNDSTRÖM, 1916: Anns hist.-nat. Mus. natn. hung., **14**: 79 (*Bolitophila*). Type-locality: Lapponia svecia, Muonio (Sweden); questionable synonymy.
- plumicornis** (MAYER, 1951): Annln naturh. Mus. Wien, **58**: 134 (*Messala*). Type-locality: Seebenstein, Nied.-Österreich (Austria).
- spinigera** EDWARDS, 1925: Trans. R. ent. Soc. Lond., **1925**: 514 (*Bolitophila*). Type-locality: Dingwall, Cromarty (Great Britain).—Distr.: Europe: GB, IRE, CH, F, R, D, NL, S, SF, A; USSR: CET (La), SET.
- saundersi**: EDWARDS, 1913: Trans. R. ent. Soc. Lond., **1913**: 345 (*Bolitophila*); misidentification.
- tenella** WINNERTZ, 1863: Verh. zool.-bot. Ges. Wien, **13**: 674 (*Bolitophila*). Type-locality: St. Petersburg [= Leningrad] (USSR).—Distr.: Europe: GB, SF, B, CS, YU, D, DDR, A, PL, F, S, H; USSR: CET (La), SET (Mo), ES; Asia: Japan.

## Subgenus CLIOPISA ENDERLEIN, 1936

ENDERLEIN, 1936: Tierwelt Mitteleur., 6(2) Diptera: 11 (as genus).

Type-species: *Bolitophila occlusa* EDWARDS, 1913: Trans. R. ent. Soc. Lond., 1913: 344 (orig. des.).

**aperta** LUNDSTRÖM, 1914: Acta Soc. Fauna Flora fenn., 39(3): 5 (*Bolitophila*). Type-locality: "Imandra. Kantalaks, zwischen Volasnaja Tundra und Kurt-njasnaja gora an einem Bache" (USSR).—Distr.: Europe: SF, S, F; USSR: NET, CET (La).

**bimaculata** ZETTERSTEDT, 1838: Insecta Lapp.: 854 (*Bolitophila*). Type-localities: "Ofotenfjord Nordlandiae, Pello, Öfver; Torneå, Lapp.; Botnia borealis ad Johannis Ro." (Finland).—Distr.: Europe: F, CS, GB, S, SF, A, PL, YU, D; USSR: NET.

*maculipennis* MAYER, 1951: Annln naturh. Mus. Wien, 58: 133 (*Bolitophila*). Type-locality: Austria.

**bispinosa** MAYER, 1951: Annln naturh. Mus. Wien, 58: 129 (*Bolitophila*). Type-localities: Gastein, Salzburg (Austria).—Distr.: Europe: A; USSR: CET (By).

**dubia** SIEBKE, 1861: Nyt Mag. Naturvid., 12: 185 (*Bolitophila*). Type-locality: "Felsenwand in einem Birkengehölz nördlich von Drivstuekloven" (Norway).—Distr.: Europe: A, GB, SF, I, D, CS, PL, R, N, S, F; USSR: NET, CET (La), SET (Mo); Asia: Japan.

*disjuncta* LOEW, 1869: Beschr. europ. Dipt., 1: 19 (*Bolitophila*). Type-locality: "das mittle und südliche Deutschland" (Germany).

**edwardsiana** STACKELBERG, 1969: Bolitophilidae, in: Опред. насекомых европ. части СССР, 5(1): 248 (*Bolitophila*). Type-locality: Tolmachevo, Luga district, Leningrad region (USSR).—Distr.: Europe: PL, R, S, D, F; USSR: NET.

**fumida** EDWARDS, 1941: Entomologist's mon. Mag., 77: 22 (*Bolitophila*). Type-locality: Aviemore, Inverness (Great Britain).—Distr.: Europe: A, GB, D, S, SF; USSR: NET.

**glabrata** LOEW, 1869: Beschr. europ. Dipt., 1: 19. Type-locality: Schlesien. (Poland).—Distr.: Europe: GB, NL, D, PL, I, S, SF; USSR: CET (La).

**glabratella** MAYER, 1951: Annln naturh. Mus. Wien, 58: 131 (*Bolitophila*). Type-locality: not given (?Austria).—Distr.: Europe: D, S.

**hybrida** (MEIGEN, 1804): Klass. Beschr., 1: 47 (*Macrocera*). Type-locality: Germany.—Distr.: Europe: GB, SF, F, D, DDR, B, CS, CH, NL, A, DK, PL, E, YU, IRE, S; USSR: CET (Est, La), SET (Mo), ES.

*fusca* MEIGEN, 1818: Syst. Beschr., 1: 221 (*Bolitophila*). Type-locality: Germany.

**ingrica** STACKELBERG, 1969: Bolitophilidae, in: Опред. насекомых европ. части СССР, 5(1): 250 (*Bolitophila*). Type-locality: Tolmachevo, Luga district, Leningrad region (USSR).—Distr.: Europe: D; USSR: NET.

- latipes** TOLLET, 1943: Bull. Mus. r. Hist. nat. Belg., **19**: 11 (*Bolitophila*). Type-locality: Forêt de Soignes, Grasdelle (Belgium).—Distr.: Europe: B, D.
- luteola** PLOTNIKOVA, 1962: Ent. Obozr., **4**: 41 (*Bolitophila*). Type-locality: District of Tomsk, W Siberia (USSR).—Distr.: USSR: ES.
- maculipennis** WALKER, 1836: Ent. Mag., **3**: 179 (*Bolitophila*). Type-locality: Great Britain.—Distr.: Europe: GB, A, CH, R, E, B, SF, YU, PL, D, DDR, CS, NL, I, S, F (incl. Corsica); USSR: CET (Est, La), ES; Asia: Japan.
- coronata** MAYER, 1951: Annln naturh. Mus. Wien, **58**: 130 (*Bolitophila*). Type-locality: Austria.
- modesta** LACKSCHEWITZ, 1937: Arb. NatForschVer. Riga, **21**: 3 (*Bolitophila*). Type-locality: Ilga, Latvian SSR (USSR).—Distr.: Europe: D, F, S, SF; USSR: CET (La).
- nigrolineata** LANDROCK, 1912: Berl. ent. Z., **57**: 46 (*Bolitophila*). Type-localities: Pyro (USSR); Jasenak (Yugoslavia).—Distr.: Europe: PL, YU, D; USSR: NET; Asia: Japan.
- obscurior** STACKELBERG, 1969: Bolitophilidae, in: Опред. насекомых европ. части СССР, **5**(1): 254 (*Bolitophila*). Type-locality: Tolmachevo, Luga district, Leningrad region (USSR).—Distr.: USSR: NET.
- occlusa** EDWARDS, 1913: Trans. R. ent. Soc. Lond., **1913**: 344 (*Bolitophila*). Type-locality: Brockenhurst, Hants. (Great Britain).—Distr.: Europe: GB, IRE, B, DK, F, PL, D, SF; USSR: CET (La); Asia: Japan.
- pseudohybrida** LANDROCK, 1912: Berl. ent. Z., **57**: 45 (*Bolitophila*). Type-locality: Strzygi (Poland).—Distr.: Europe: GB, D, DDR, B, PL, A, NL, I, F, S, H, SF; USSR: CET (Est, La).
- triangulata** EDWARDS, 1941: Entomologist's mon. Mag., **77**: 22 (*Bolitophila*). Type-locality: Cornwall: Shevioc (Great Britain).
- rectangulata** LUNDSTRÖM, 1913: Annls hist.-nat. Mus. natn. hung., **11**: 305 (*Bolitophila*). Type-locality: Felsőbánya (Roumania).—Distr.: Europe: R; Asia: Japan.
- rossica** LANDROCK, 1912: Berl. ent. Z., **57**: 45 (*Bolitophila*). Type-locality: Strzygi (Poland).—Distr.: Europe: B, PL, GB, NL, S, SF, H; USSR: NET, ES; Asia: Japan.
- scherfi** PLASSMANN, 1970: Senckenbergiana biol., **51**(1/2): 97 (*Bolitophila*). Type-locality: Wald bei Kassel (Firnsbachtal), Hessen (Germany).—Distr.: Europe: D.
- speleicola** TOLLET, 1955: Mém. Soc. r. ent. Belg., **27**: 450 (*Bolitophila*). Type-locality: Judetzul Bihor: Pl. Vascau: Petroasa, Pest. dela Vranitza (Roumania).—Distr.: Europe: R, F.
- tarsata** MAYER, 1951: Annln naturh. Mus. Wien, **58**: 132 (*Bolitophila*). Type-locality: Prachatitz, Bohemia (Czechoslovakia).—Distr.: Europe: CS, D, S, SF; USSR: SET (Mo).

## Family Ditomyiidae

By B. M. MAMAEV and N. P. KRIVOSHEINA

Yellowish brown flies usually with brown markings. Head with well-developed haired eyes and 3 ocelli. Antennae 2 + 15-segmented, flagellar segments cylindrical, frequently compressed laterally and dentate. Palpi 4-segmented. Mesonotum usually with 3 longitudinal dark bands. Costa ending at tip or slightly beyond tip of *R*; radial fork of *R* well developed; basal part of *R*<sub>2</sub> oblique to *R*<sub>1</sub>; stem and branches of *M*<sub>1+2</sub> very weak, basal portion of *M* absent and first basal cell united with second one; *M-Cu* present. Wings covered with macro- and microtrichia. Legs long and slender, tibial spurs well developed (1:2:2).

Larvae white with somewhat swollen thoracic segments and constricted integumental areas. Head capsule heavily sclerotized; mandible well developed with distinct teeth. Prothorax and abdominal segments 1–8 with circular spiracles.

Immature stages living in bracket fungi or in moist rotten wood (KRIVOSHEINA and MAMAEV, 1967). Wood-boring larvae produce their tunnels usually near surface of wood of deciduous trees. The Palaearctic species of *Ditomyia* develop in fruit-bodies of *Polyporus*, *Polystichus*, *Capinus* and *Lenzites*.

The family consists of 9 genera and about 80 species distributed mainly in the southern hemisphere. In the Palaearctic Region there are 3 genera with 15 species.

The first ditomyiid species *Ditomyia fasciata* and *Symmerus annulatus* were described by MEIGEN (1818, 1830) under the generic name *Mycetobia*. These species were included in the subfamily Mycetobiinae of the family Mycetophilidae for a long time. After detailed examination of the morphology of adults and larvae EDWARDS (1916) transferred *Mycetobia* to the family Anisopodidae and referred *Ditomyia* and *Symmerus* to the subfamily Ditomyiinae of the family Mycetophilidae (EDWARDS, 1921). HENNIG (1948) and ROHDENDORF (1964) considered the subfamilies Ditomyiinae and Mycetobiinae as separate families. Modern revisions of Ditomyiidae were published by SAIGUSA (1973), MUNROE (1974), ZAITZEV (1978).

**References:** SAIGUSA, 1973; MUNROE, 1974 (genera *Symmerus* and *Australosymmerus*); ZAITZEV, 1978 (key).

### Asioditomyia SAIGUSA, 1973

SAIGUSA, 1973: *Sieboldia*, 4(3): 195.

Type-species: *Ditomyia japonica* SASAKAWA, 1963: *Akitu*, 11: 16 (orig. des.).

**japonica** (SASAKAWA, 1963): *Akitu*, 11: 16 (*Ditomyia*). Type-locality: Honshu, Mt. Odaigahara, Nara Pref. (Japan).—Distr.: USSR: FE (Primorskiy kray); Asia: Japan (Honshu, Kyushu).

### Ditomyia WINNERTZ, 1846

WINNERTZ, 1846: *Stettin. ent. Ztg*, 7: 14.

Type-species: *Ditomyia trifasciata* WINNERTZ, 1846: l.c.: 15 (mon.) [= *fasciata* (MEIGEN, 1818)].

**carinata** ZAITZEV, 1980: *Zool. Zh.*, 59(12): 1893 (*Ditomyia*). Type-locality: Sokoltschi, Primorskiy kray (USSR).—Distr.: USSR: FE (S Primorye).

- claripennis** SAIGUSA, 1973: *Sieboldia*, **4**(3): 193 (*Ditomyia*). Type-locality: Aizankei, Mts Daisetsuzan, Hokkaido (Japan).—Distr.: Asia: Japan (Hokkaido).
- fasciata** (MEIGEN, 1818): *Syst. Besch.*, **1**: 230 (*Mycetobia*). Type-locality: not given ("Sammlung des Hrn Baumhauer").—Distr.: Europe: from GB to CS and from D to I; USSR: SET (Crimea, Caucasus); Asia: Iran.
- trifasciata* WINNERTZ, 1846: *Stettin. ent. Ztg*, **7**: 15 (*Ditomyia*). Type-locality: not given.
- macroptera** WINNERTZ, 1852: *Stettin. ent. Ztg*, **13**: 54 (*Ditomyia*). Type-locality: not given.—Distr.: Europe: D, DDR; USSR: FE (Sakhalin).
- spinifera** ZAITZEV, 1978: *Ent. Obozr.*, **57**(3): 674 (*Ditomyia*). Type-locality: Ishtii-Chem, Tuva ASSR (USSR).—Distr.: USSR: WS.

### **Symmerus** WALKER, 1848

WALKER, 1848: *List Dipt. Brit. Mus.*, **1**: 88.

Type-species: *Symmerus ferrugineus* WALKER, 1848: l.c.: 88 (mon.) [= *annulata* (MEIGEN, 1830)].

*Plesiastina* WINNERTZ, 1852: *Stettin. ent. Ztg*, **13**: 55. Type-species: *Mycetobia annulata* MEIGEN, 1830: *Syst. Besch.*, **6**: 294 (des. COQUILLET, 1910: *Proc. U.S. natn. Mus.*, **37**: 562).

**akikoeae** SAIGUSA, 1973: *Sieboldia*, **4**(3): 180 (*Symmerus*). Type-localities: Honshu, Kanayama, Sudama, Yamanashi Pref. (Japan).—Distr.: Asia: Japan (Honshu).

**annulatus** (MEIGEN, 1830): *Syst. Besch.*, **6**: 294 (*Mycetobia*). Type-locality: not given.—Distr.: Europe: A, B, CS, D, DDR, DK, F, GB, I, IRE, NL, PL, SF; USSR: CET (Est, La), SET (Rs, Uk, Crimea, Caucasus), WS (nr Krasnojarks).

*ferrugineus* WALKER, 1848: *List Dipt. Brit. Mus.*, **1**: 88 (*Symmerus*). Type-locality: "England".

*flavus* (ZETTERSTEDT, 1851): *Dipt. Scand.*, **9**: 3447 (*Ceroplatus*). Type-locality: Esperöd, Scania (Sweden).

*apicalis* (WINNERTZ, 1852): *Stettin. ent. Ztg*, **13**: 56 (*Plesiastina*). Type-locality: not given.

*vittata* (WALKER, 1856): *Ins. Brit., Dipt.*, **3**: 64 (*Ditomyia*). Type-locality: "England".

*pallida* (GIGLIO-TOS, 1890): *Boll. Mus. Zool. Anat. comp. R. Univ. Torino*, **5** (No 84): 2 (*Ditomyia*). Type-locality: Torino, Racconigi (Italy).

**antennalis** OKADA, 1936: *Insecta matsum.*, **11**: 58 (*Symmerus*). Type-locality: Sapporo, Hokkaido (Japan).—Distr.: Asia: Japan (Hokkaido, Honshu, Kyushu, ?Shikoku).

**brevicornis** OKADA, 1939: *J. Fac. Agric. Hokkaido (imp.) Univ.*, **42**: 287 (*Symmerus*). Type-locality: Sapporo, Hokkaido (Japan).—Distr.: USSR: FE

- (Khabarovskiy kray, Primorskiy kray, Kuril Is.); Asia: Japan (Hokkaido, Honshu, Kyushu).
- brevicornis yamatoensis** SAIGUSA, 1973: *Sieboldia*, 4(3): 187 (*Symmerus*). Type-localities: Kanayama, Sudama, Yamanashi Pref., Honshu (Japan).—Distr.: Asia: Japan (Honshu, Kyushu).
- elongatus** SAIGUSA, 1973: *Sieboldia*, 4(3): 187 (*Symmerus*). Type-locality: Katazawa-Toge, Mt. Senjo-dake, Akaishi Range, Yamanashi Pref. Honshu (Japan).—Distr.: Japan (Honshu).
- fuscicaudatus** SAIGUSA, 1973: *Sieboldia*, 4(3): 189 (*Symmerus*). Type-locality: Katazawa-Toge, Mt. Senjo-dake, Akaishi Mts, Honshu (Japan).—Distr.: USSR: FE (Kuril Is.); Asia: Japan (Honshu).
- latus** OSTROVERKHOVA, 1979: Fungus-gnats (Diptera, Mycetophiloidea) of Siberia: 32 (*Symmerus*). Type-locality: Sikhote-Alinsky zapovednik (USSR).—Distr.: USSR: FE.
- nobilis** LACKSCHEWITZ, 1937: Arb. NatForschVer. Riga, 21: 1 (*Symmerus*). Type-locality: Embute [= vic. Liepaja] Latvian SSR (USSR).—Distr.: Europe: D; USSR: CET (By, La), SET (Uk).

## Family Keroplatidae

By N. P. KRIVOSHEINA and B. M. MAMAEV

Flies of large or moderate size, legs long. Head small. Antennae relatively short, usually thickened and flattened. Mesonotum arched, mesopleura bare. Tibia with rows of short setae, apical spurs present at  $t_3$ , absent at  $t_1$ . Wings broad but often, especially in females, considerably shorter than body. Wings with only one crossvein ( $m$ ).  $M_{3+4}$  and  $Cu$  divergent. Wing membrane bare, without macrotrichia.

Larvae of *Cerotelion* and *Keroplatus* have been studied in detail. These are large light-coloured larvae with rather small poorly sclerotized square-shaped head capsule. Antennae resembling large light-coloured oval plates at anterolateral parts of head. Mandibles massive, elongate, almost rectangular, with large denticles at apex. Body 12-segmented, bare or with weak rows of spines ventrally. Body convex dorsally, flat ventrally. Posterior segment with four conical lobes; two lobes directed laterally, two again posteriorad. Tracheal system apneustic. Larvae necrophagous or predaceous.

Larvae developing in decaying vegetable matter, attacked by fungi; on or in fruit-bodies and in mycelia of various hard fungi. Larvae aggregating in shaded localities, usually at underside of fallen logs and on hard fungi. Larvae with very delicate soft integument. Aggregates of larvae usually covered with a thin, transparent layer, secreted by the larval salivary glands. The layer protects the larvae from loss of water.

The adults inhabit chiefly wet shady forests.

A peculiar group of Diptera, so far poorly studied in all Regions. It is treated either as an independent family (STACKELBERG, 1969; PAPAVERO, 1978; MATILE, 1981, etc.) or as the subfamily of Mycetophilidae (MATILE, 1980, etc.). The systematics of the family is not worked out satisfactorily. The revision of the family with the description of some new species undertaken by EDWARDS (1929) was long ignored by the specialists.

More than 50 species of the family are known from North America, about 120 species from South America, and some 50 species are listed both in the Afrotropical and Oriental Regions (LAFFON, 1965; PAPAVERO, 1978; MATILE, 1980; COLLESS and LIEPA, 1973).

**References:** MANSBRIDGE, 1933 (biol.); MADWAR, 1937 (biol.); KRIVOSHEINA and MAMAEV, 1967 (biol.); MATILE, 1975, 1977 (Palearctic species); MATILE, 1970, 1972, 1973, 1974, 1975 (Afrotropical species).

### **Antlemon** LOEW, 1871

LOEW, 1871: *Beschr. europ. Dipt.*, **2**: 30.

Type-species: *Asyndulum halidayi* LOEW, 1871: l.c.: 29 (orig. des.).

*Helladepichoria* BECKER, 1907: *Z. syst. Hymenopt. Dipterol.*, **7**: 237 and 1908: *Mitt. zool. Mus. Berl.*, **4**(1): 64. Type-species: *Helladepichoria tenuipes* BECKER, 1907: l.c.: 238; BECKER, 1908: l.c.: 64 (orig. des.) [= *halidayi* LOEW].

*Antlemonopsis* TOLLET, 1953: see below as subgenus.

#### Subgenus ANTLEMON LOEW, 1871

**halidayi** (LOEW, 1871): *Beschr. europ. Dipt.*, **2**: 29 (*Asyndulum*). Type-localities: "Rhodus; Sicilien, Mittelitalien" (Greece, Italy).—Distr.: Europe: GB, I, YU, E; North Africa: Tunisia, Algeria; Canary Is.

*tenuipes* BECKER, 1907: *Z. syst. Hymenopt. Dipterol.*, **7**: 238 (*Helladepichoria*). Type-locality: "Tunis".

*tenuipes* BECKER, 1908: *Mitt. zool. Mus. Berl.*, **4**(1): 64 (*Helladepichoria*). Type-localities: Griechenland (Greece), "Laguna" (Tenerife) (Patmos, Greece lectotype des. MATILE, 1977: *Annls Soc. ent. Fr. (N.S.)*, **13**(4): 644).

#### Subgenus ANTLEMONOPSIS TOLLET, 1953

TOLLET, 1953: *Bull. Anns Soc. r. ent. Belg.*, **89**(5–6): 180 (as subgenus).

Type-species: *Antlemon (Antlemonopsis) malmundariensis* TOLLET, 1953: l.c.: 180 (orig. des.) [= *brevimanum* (LOEW, 1871)].

**brevimanum** (LOEW, 1871): *Beschr. europ. Dipt.*, **2**: 27 (*Asyndulum*). Type-locality: "Schlesien".—Distr.: Central Europe: (B, R, CS, D, DDR, A).

*malmundariensis* TOLLET, 1953: *Bull. Anns Soc. r. ent. Belg.*, **89**(5–6): 180 (*Antlemon (Antlemonopsis)*). Type-locality: "Malmédy" (Belgium).

**servulum** (WALKER, 1836): *Ent. Mag.*, **4**(13): 114 (*Platyura*). Type-locality: "London" (England).—Distr.: Europe: F, GB, IRE, CS, D, DDR; USSR: SET (Crimea).

### **Asyndulum** LATREILLE, 1805

LATREILLE, 1805: *Hist. nat. Crust. Ins.*, **14**: 290.

Type-species: *Asyndulum nigrum* LATREILLE, 1805: l.c.: 290 (mon.).  
*Asyndulum*, error.



- nigrum** LATREILLE, 1805: Hist. nat. Crust. Ins., **14**: 290 (*Asindulum*). Type-locality: "Environs de Paris" (France).—Distr.: Europe: GB, B, F, D, DDR, H, PL, S; USSR: CET (Est, La).  
*femoralis* (MEIGEN, 1818): Syst. Besch., **1**: 236 (*Platyura*). Type-locality: not given.
- theodori** MATILE, 1974: Israel J. Ent., **9**: 73 (*Asindulum*). Type-locality: Mont Carmel (Israel).—Distr.: Asia: Israel.

### **Cerotelion RONDANI, 1856**

- RONDANI, 1856: Dipt. Ital. Prodromus, **1**: 191.  
 Type-species: *Platyura laticornis* MEIGEN, 1818: Syst. Besch., **1**: 238 (orig. des.) [= *lineatus* (FABRICIUS, 1775)].
- abdominalis** SASAKAWA et TAMU, 1961: Scient. Rep. Kyoto pref. Univ., Agric., **13**: 68 (*Cerotelion*). Type-locality: Tsushima Is., Izuhara (Japan).—Distr.: Asia: Japan.
- humeralis** (ZETTERSTEDT, 1850): Dipt. Scand., **9**: 3445 (*Ceroplatus*). Type-locality: "Jemtlandia, ad Berge in paroecia Alsen" (Sweden).—Distr.: Europe: N, S, SF, GB, D, DDR, CS; USSR: CET (La).
- lineatus** (FABRICIUS, 1775): Syst. entom.: 754 (*Tipula*). Type-locality: "Anglia".—Distr.: Europe: GB, IRE, NL, D, DDR, PL, S, SF; Asia: Iran.  
*striata* (GMELIN, 1792): Syst. Nat. Ed. 13, **1**(5): 2865 (*Musca*); an unnecessary new name for *Tipula lineata* FABRICIUS, 1775.  
*laticornis* (MEIGEN, 1818): Syst. Besch., **1**: 238 (*Platyura*). Type-locality: Berlin.
- pectinatus** KIMURA, 1975: Akitu (N.S.), **2**: 1 (*Cerotelion*). Type-localities: Shiga Pref., Mt. Hiei (Honshu); Sugitate, Shikoku; Wakayama Pref., Koza (Honshu) (Japan).—Distr.: Japan (Honshu, Shikoku).
- quadripunctatus septemtrionalis** OKADA, 1938: Tenthredo, **2**(1): 34 (*Cerotelion*, as forma of *quadripunctatus*). Type-locality: Honshu.—Distr.: Asia: Japan (Honshu, Shikoku).
- racovitzai** MATILE et BURGHELE-BALACESCO, 1969: Bull. Soc. ent. Fr., **74**(3–4): 84 (*Cerotelion*). Type-localities: Prov. de Gorgan, forêt de Golestan; prov. de Guilan, forêt de l'Assalem Roumanie; prov. de Banat, Prisaca lui Schiopu (Iran).—Distr.: Europe: R; Asia: Iran.

### **Isoneuromyia BRUNETTI, 1912**

- BRUNETTI, 1912: Fauna of India, Nematocera: 66.  
 Type-species: *Isoneuromyia annandalei* BRUNETTI, 1912: l.c.: 67 (mon.); not Palaeartic.

- comosa** OSTROVERKHOVA, 1979: Fungus-gnats (Diptera, Mycetophiloidea) of Siberia: 36 (*Isoneuromyia*). Type-locality: "Tomskaja prov., Molcanovskiy rayon, Koregoda" (USSR).—Distr.: USSR: WS.
- [**grandis** (BRUNETTI, 1912): Fauna of India, Nematocera: 60 (*Platyura*). Type-locality: "Mussoori" (India) [= Uttar Pradesh].—Distr.: Asia: North India (Himalaya).]
- [**rufescens** BRUNETTI, 1912: Fauna of India, Nematocera: 559 (*Isoneuromyia*). Type-locality: "Simla" (India).—Distr.: Asia: North India (Himalaya).]
- semirufa** (MEIGEN, 1818): Syst. Besch., 1: 237 (*Platyura*). Type-locality: not given.—Distr.: Europe: GB, IRE, NL, D, DDR, PL, SF, S, CS; USSR: CET (Est, La), FE (Kuril Is.); Asia: Japan (Hokkaido).
- baumhaueri* (MEIGEN, 1818): Syst. Besch., 1: 235 (*Platyura*). Type-locality: "in der Gegend von Paris".
- fulvipes* (MEIGEN, 1818): Syst. Besch., 1: 235 (*Platyura*). Type-locality: not given ("aus hiesiger Gegend", ?Aachen) [D].
- erythrogastra* (MEIGEN, 1818): Syst. Besch., 1: 237 (*Platyura*). Type-locality: not given.
- signata* (MEIGEN, 1818): Syst. Besch., 1: 238 (*Platyura*). Type-locality: not given.
- vitripennis** (MEIGEN, 1830): Syst. Besch., 6: 294 (*Platyura*). Type-locality: not given.—Distr.: Europe: F, D.
- brunnipennis* (STAEGER, 1840): Naturh. Tidsskr., 3: 277 (*Platyura*). Type-locality: Denmark.
- atricornis* (ZETTERSTEDT, 1850): Dipt. Scand., 9: 3446 (*Ceroplatus*). Type-locality: "Scania ad Lindholmen", "Svecia" (Sweden).
- vitripennis* (WALKER, 1856): Ins. Brit., Dipt., 3: 66 (*Platyura*). Type-localities: England, Ireland.
- unicolor* (WALKER, 1856): Ins. Brit., Dipt., 3: 67 (*Platyura*). Type-locality: England.
- taeniata* (WINNERTZ, 1863): Verh. zool.-bot. Ges. Wien, 13: 701 (*Platyura*). Type-locality: not given.
- concolor* (VAN DER WULP, 1874): Tijdschr. Ent., 17: 126 (*Platyura*). Type-locality: "Voorst" (Netherlands).
- morio* (GRZEGORZEK, 1875): Verh. zool.-bot. Ges. Wien, 25: 1 (*Platyura*). Type-locality: Alt-Sander, Podegrodzie (Poland, Stary Sacz).

### **Keroplatus Bosc, 1792**

BOSC, 1792: Act. Soc. Hist. nat. Paris, 1: 42.

Type-species: *Keroplatus tipuloides* BOSC, 1792: l.c.: 42 (mon.).

*Ceroplatus*, incorrect subsequent spelling of *Keroplatus* from FABRICIUS, 1798: Suppl. entom. syst.: 550; LATREILLE, 1804: Nouv. dict. hist. nat., 24(3): 188.

- nipponicus** (OKADA, 1938): *Insecta matsum.*, **13**(1): 21 (*Ceroplatus*). Type-localities: "Honshu, Kyoto; Hokkaido, Sapporo" (Japan).—Distr.: Asia: Japan.
- reaumurii** (DUFOUR, 1839): *Annl. Sci. nat.*, (2) **11**: 38 (*Ceroplatus*). Type-locality: "Gallia meridionali-occidentali (S. Sever)" (France).—Distr.: Europe: F, NL, D, DDR.
- pentophthalmus* (GIGLIO-TOS, 1890): *Boll. Musei Zool. Anat. comp. R. Univ. Torino*, **5**(No 84): 1, and *Riv. ital. Sci. nat.*, **10**(142): 1 (*Ceroplatus*). Type-locality: "Dogliani in prov. Cuneo" (Italy).
- winnertzi* LANDROCK, 1925: *Wien. ent. Ztg.*, **42**(4–10): 180 (*Keroplatus*, as new name for *sesioides*: WINNERTZ, 1863: *Verh. zool.-bot. Ges. Wien*, **13**(1–4): 685, not WAHLBERG, 1839); misidentification.
- sesioides** (WAHLBERG, 1839): *K. svenska Vetensk. Akad. Handl.* (3), **1838**: 3 (*Ceroplatus*). Type-locality: Gusum (Sweden).—Distr.: Europe: S, SF.
- testaceus** (DALMAN, 1818): *Acad. Handl.*, **39**: 88 (*Ceroplatus*). Type-locality: "Vestergöthia" (Västergötland) (Sweden).—Distr.: Europe: S, SF, NL, F, GB; USSR: CET (Est, La), WS, FE (Sakhalin); Asia: Iran.
- dispar* (DUFOUR, 1839): *Annl. Sci. nat.*, (2) **11**: 37 (*Ceroplatus*). Type-locality: "Pyrenaeis" (France).
- biformis* (OKADA, 1938): *Insecta matsum.*, **13**(1): 19 (*Ceroplatus*, as forma of *testaceus*). Type-localities: USSR: Sakhalin; Asia: Japan: Hokkaido, Sapporo, Shikaribetsuko, Shikotsuko, Sôukyo; Honshu: Nikko.
- tipuloides** BOSCH, 1792: *Act. Soc. Hist. nat. Paris*, **1**: 42 (*Keroplatus*). Type-locality: Paris (France).—Distr.: Europe: SF, NL, F; USSR: CET (Est, La); Asia: Iran.

### Macrorrhyncha WINNERTZ, 1846

WINNERTZ, 1846: *Stettin. ent. Ztg.*, **7**: 16.

Type-species: *Macrorrhyncha flava* WINNERTZ, 1846: l.c.: 17 (mon.).

*Adelinia* A. COSTA, 1857: *Giambatt. Vico, Gior. Sci. Napoli*, **2**(3): 447. Type-species: *Adelinia italica* A. COSTA, 1857: l.c.: 456 (mon.).

**ancae** MATILE, 1975: *Ann. Soc. ent. Fr. (N.S.)*, **11**(3): 504 (*Macrorrhyncha*). Type-localities: "cirque de Navacelles (Hérault) rives de la Vis" (France), Grisons, Cuvel-la-Chala (Switzerland).—Distr.: Europe: F, CH.

**brevirostre** (LUNDSTRÖM, 1911): *Annl. hist.-nat. Mus. natn. hung.*, **9**: 392 (*Asindulum*, as "*breviostre*"). Type-locality: "Hungaria: Novi" [= Novi] (Yugoslavia).—Distr.: Europe: YU.

**ezoensis** (OKADA, 1938): *Insecta matsum.*, **13**(1): 23 (*Asindulum*). Type-locality: Hokkaido, Sapporo (Japan).—Distr.: Asia: Japan.

**flava** WINNERTZ, 1846: *Stettin. ent. Ztg.*, **7**: 17 (*Macrorrhyncha*). Type-locality: not given (?Crefeld [= Krefeld]) [D].—Distr.: Europe: North, West and

- Central Europe (GB, B, IRE, F, NL, A, D, DDR, PL, SF); USSR: CET (Est).
- flavum* (WINNERTZ, 1852): Stettin. ent. Ztg, **13**(2): 49 (*Asindulum*). Type-locality: not given.
- winnertzi* (TARWID, 1936): C. r. Séances Soc. Sci. Letters de Varsovie, (4) **29**: 9 (*Zelmira*, as new name for *Zelmira flava* WINNERTZ, 1846); a junior primary homonym of *Zelmira flava* MACQUART, 1826: Mém. Soc. Sci. Agric. Lille, **1826**: 105.
- collarti* (TOLLET, 1955): Bull. Anns Soc. r. ent. Belg., **91**(11–12): 274 (*Asindulum* (*Macrorrhyncha*)). Type-locality: "Courrière, Bois de Grand Pré" Belgium.
- geranias* (LOEW, 1869): Besch. europ. Dipt., **1**(2) Suppl.: 15 (*Asindulum*). Type-locality: "Rhodus".—Distr.: Europe: GR.
- hispanica* (STROBL, 1909): Verh. zool.-bot. Ges. Wien, **59**(1–2): 128 (*Asindulum*, as var. of *brevimanum* LOEW). Type-locality: "Alicante" (Spain).—Distr.: Europe: E.
- italica* (A. COSTA, 1857): Giambatt. Vico, Gior. Sci. Napoli, **2**(3): 456 (*Adelinia*). Type-locality: "Montevergine" [= Monte Vergine, prov. Naples] (Italy).—Distr.: Europe: I.
- rostrata* (ZETTERSTEDT, 1851): Dipt. Scand., **10**: 4083 (*Platyura*). Type-locality: "Ostrogothia ad Wadstena" (Sweden).—Distr.: Europe: S, SF, H, F, D, DDR.
- intermedia* (TARWID, 1936): C. r. Séances Soc. Sci. Lettres de Varsovie, (4) **29**: 6 (*Zelmira* (*Neoplatyura*)). Type-locality: USSR: "Załosie [= Rutenie Blanche], près de la ville Orsza [= Orša] (Byelorussia, USSR).
- Reference:** MATILE, 1975: Ann. Soc. ent. Fr. (N.S.), **11**(3): 513.

### Monocentrotta EDWARDS, 1925

- EDWARDS, 1925: Trans. R. ent. Soc. Lond., **1925**(3/4): 526.  
Type-species: *Monocentrotta lundstroemi* EDWARDS, 1925: l.c.: 527 (orig. des.).
- lundstroemi* EDWARDS, 1925: Trans. R. ent. Soc. Lond., **1925**(3/4): 527 (*Monocentrotta*, as "*lundströmi*"). Type-locality: "Thirlwall Northumberland" (England).—Distr.: Europe: GB, D, DDR, F, SF.

### Neoplatyura MALLOCH, 1928

- MALLOCH, 1928: Proc. Linn. Soc. N.S.W., **53**: 601.  
Type-species: *Platyura setiger* JOHANNSEN 1910: Bull. Me agric. Exp. Stn, (2) **172**(1909): 252 (orig. des.); not Palearctic.

- biumbrata** (EDWARDS, 1913): Trans. R. ent. Soc. Lond., 1913: 349 (*Platyura*). Type-localities: Cornwall, Padstow; Dorset, Studland (England).—Distr.: Europe: GB, F.
- flava** (MACQUART, 1826): Mém. Soc. Sci. Agric. Lille, 1823-1824: 105 (*Platyura*). Type-locality: "Nord de la France".—Distr.: West and Central Europe (IRE, F, NL, D, DDR); USSR: CET (Est, La).
- lata* (VON ROSER, 1840): CorrespBl. württ. landw. Ver. Stuttg. (N.S.), 17(1): 51 (*Platyura*). Type-locality: not given (Württemberg).
- modesta** (WINNERTZ, 1863): Verh. zool.-bot. Ges. Wien, 13: 691 (*Platyura*). Type-locality: not given (im Walde, ?Crefeld [= Krefeld]) [D].—Distr.: North, West and Central Europe (GB, NL, F, S, SF, D, DDR, CH, CS, PL).
- simplex* (GRZEGORZEK, 1885): Berl. ent. Z., 29(2): 201 (*Platyura*). Type-locality: not given (?West-Galizien, ?Bochnia, Poland).
- nigricauda** (STROBL, 1893): Wien. ent. Ztg, 12(5): 164 (*Platyura*). Type-locality: "Lesina" [= Hvar] (Yugoslavia).—Distr.: Europe: YU, NL, D, DDR, GB, PL.

### Orfelia A. COSTA, 1857

- A. COSTA, 1857: Giambatt. Vico, Gior. Sci. Napoli, 2(3): 448.  
Type-species: *Platyura fasciata* MEIGEN, 1804: Klass. Beschr., 1(1): 101 (des. HARDY, 1960: Diptera: Nematocera-Brachycera, 10; in Insects of Hawaii: 200).
- Zelmira* MEIGEN, 1800: Nouve. Class.: 16 (without included species). Type-species: *Platyura fasciata* MEIGEN, 1804: Klass. Beschr., 1(1): 101 (des. COQUILLET, 1910: Proc. U.S. natn. Mus., 37: 621). Nomen suppressed by I.C.Z.N. 1963, Opinion 678: 339.
- [apicipennis** (BRUNETTI, 1912): Fauna of India, Nematocera: 61 (*Platyura*). Type-locality: "Naini Tal" [= Uttar Pradesh] (India).—Distr.: Asia: North India (Himalaya).]
- basalis** (WINNERTZ, 1863): Verh. zool.-bot. Ges. Wien, 13: 699 (*Platyura*). Type-locality: not given ("Im königl. Museum zu Berlin").—Distr.: Europe: E, D, DDR, PL, SF.
- discoloria** (MEIGEN, 1818): Syst. Beschr., 1: 239 (*Platyura*). Type-locality: not given.—Distr.: Europe: GB, IRE, NL, F, D, DDR, PL, S, SF, CS; USSR: CET (Est, La), WS, ES.
- discolor* (ZETTERSTEDT, 1851): Dipt. Scand., 10: 4082 (*Platyura*). Type-locality: "Ostrogothia ad Gusum" (Sweden).
- fasciata** (MEIGEN, 1804): Klass. Beschr., 1(1): 101 (*Platyura*). Type-locality: not given.—Distr.: West, North and Central Europe (GB, IRE, NL, F, D, DDR, CS, R, SF, S); USSR: CET (Est, La).
- ruficollis* (MEIGEN, 1818): Syst. Beschr., 1: 240 (*Platyura*). Type-locality: not given.

- [limbata** BRUNETTI, 1917: *Rec. Indian Mus.*, **13**: 61 (*Platyura*, new name for *marginata* BRUNETTI, 1912).—Distr.: Asia: North India (Himalaya).]  
*marginata* (BRUNETTI, 1912): *Fauna of India, Nematocera*: 62 (*Platyura*); a junior primary homonym of *Platyura marginata* MEIGEN, 1804. Type-locality: "Naini Tal" [= Uttar Pradesh] (India).]
- minima** (GIGLIO-TOS, 1890): *Boll. Musei Zool. Anat. comp. R. Univ. Torino*, **5**(No 84): 4, and *Riv. ital. Sci. nat.*, **10**(143): 4 (*Platyura*). Type-locality: "Pesio in prov. di Cuneo" (Italy).—Distr.: Europe: F, I, PL.
- nemoralis** (MEIGEN, 1818): *Syst. Besch.*, **1**: 236 (*Platyura*). Type-locality: not given.—Distr.: Europe: from GB to PL, from S to E, F; USSR: CET (Est, La).
- flavipes* (MEIGEN, 1818): *Syst. Besch.*, **1**: 237 (*Platyura*). Type-locality: not given ("coll. Baumhauer").
- nana* (MACQUART, 1826): *Mém. Soc. Sci. Agric. Lille*, **1823-1824**: 105 (*Platyura*). Type-locality: "Nord de la France".
- succincta* (MEIGEN, 1838): *Syst. Besch.*, **7**: 39 (*Platyura*). Type-localities: "Aus Lüttich" [= Liège] [B], "auch aus Baiern" [= Bavaria] [D].
- cincta* (WINNERTZ, 1863): *Verh. zool.-bot. Ges. Wien*, **13**: 703 (*Platyura*, unjustified new name for *Platyura flavipes*: STAEGER, 1840: *Naturhist. Tidsskr.*, **3**: 280).
- fuscescens* (VON ROSER, 1840): *CorrespBl. württ. landw. Ver. Stuttg. (N.S.)*, **17**(1): 51 (*Platyura*). Type-locality: not given (Württemberg).
- nigricornis** (FABRICIUS, 1805): *Syst. antl.*: 57 (*Sciara*). Type-locality: "Europa boreali".—Distr.: Europe: GB, NL, D, DDR, CS, R, S, SF; USSR: CET (Est).
- nigriventris* (ZETTERSTEDT, 1855): *Dipt. Scand.*, **12**: 4905 (*Platyura*). Type-locality: "Smolandia, Korsberga" (Sweden).
- antica* (WALKER, 1856): *Ins. Brit., Dipt.*, **3**: 67 (*Platyura*). Type-locality: "England".
- infuscata* (WINNERTZ, 1863): *Verh. zool.-bot. Ges. Wien*, **13**: 695 (*Platyura*). Type-locality: not given (?Krefeld [= Krefeld] Frankfurt a. M.) [D].
- pallida** (STAEGER, 1840): *Naturh. Tidsskr.*, **3**: 280 (*Platyura*). Type-locality: Denmark.—Distr.: Europe: GB, IRE, NL, DK, D, DDR, SF.
- aestivalis* (WINNERTZ, 1863): *Verh. zool.-bot. Ges. Wien*, **13**: 698 (*Platyura*). Type-locality: not given (?Krefeld [= Krefeld]) [D].
- tristis** (LUNDSTRÖM, 1911): *Annls hist.-nat. Mus. natn. hung.*, **9**: 391 (*Platyura*). Type-localities: "Hungaria: Budapest, Ugod, Szár (Hungary) Börza [= Borsa] (Roumania)".—Distr.: Europe: NL, H, R.
- unicolor** (STAEGER, 1840): *Naturh. Tidsskr.*, **3**: 280 (*Platyura*). Type-locality: Denmark.—Distr.: Europe: NL, SF, DK, CS, IRE.

**Platyura** MEIGEN, 1803

MEIGEN, 1803: Mag. Insektenk., 2: 264.

Type-species: *Platyura marginata* MEIGEN, 1804: Klass. Besch., 1(1): 101 (des. BLANCHARD, 1849, in AUDOUIN et al.: Les Insectes, Atlas: 164.

*Apemon* JOHANNSEN, 1909: Mycetophilidae, in WYTSMAN: Genera Insectorum, Fasc. 93: 20. Type-species: *Platyura pectoralis* COQUILLET, 1895: Can. Ent., 27(8): 199 (orig. des.); not Palaearctic.

*Paraplatyura* ENDERLEIN, 1911: Stettin. ent. Ztg., 72: 163. Type-species: *Platyura marginata* MEIGEN, 1804: Klass. Besch., 1(1): 101 (orig. des.).

**fulva** OSTROVERKHOVA, 1979: Fungus-gnats (Diptera, Mycetophiloidea) of Siberia: 40 (*Platyura* (*Zelmira*)). Type-locality: Sichote-Alinskiy zapovednik, Primorskiy kray (USSR).—Distr.: USSR: FE.

**marginata** MEIGEN, 1804: Klass. Besch., 1(1): 101 (*Platyura*). Type-locality: not given.—Distr.: Europe: GB, NL, D, DDR, PL, CS.

*atratus* (FABRICIUS, 1805): Syst. antl.: 16 (*Ceroplatus*). Type-locality: "Germania".

*rufipes* MEIGEN, 1818: Syst. Besch., 1: 241 (*Platyura*). Type-locality: "Portugal".

**nigricoxa** (OKADA, 1937): Trans. Sapporo nat. Hist. Soc., 15(1): 33 (*Apemon*, as forma of *similis* JOHNSON, 1931). Type-locality: Süd Kuril Is., Insel Kunashir (USSR).—Distr.: USSR: FE (Sakhalin, South Kuril Is.); Asia: Japan (Hokkaido).

**subdiscoloria** MATILE, 1969: Anns Soc. ent. Fr. (N.S.), 5(1): 241 (*Platyura*). Type-locality: "Forêt de Golestan" (Iran).—Distr.: Asia: Iran.

**Pyratula** EDWARDS, 1929

EDWARDS, 1929: Proc. Linn. Soc. N.S.W., 54(3): 167 (as subgenus of *Platyura* MEIGEN, 1803).

Type-species: *Platyura zonata* ZETTERSTEDT, 1855: Dipt. Scand., 12: 4906 (orig. des.).

**exserta** (OSTROVERCHOVA, 1979): Fungus-gnats (Diptera, Mycetophiloidea) of Siberia: 40 (*Platyura* (*Zelmira*)). Type-locality: "Sichote-Alinskiy zapovednik, Majsja", Primorskiy kray (USSR).—Distr.: USSR: FE.

**perpusilla** (EDWARDS, 1913): Trans. R. ent. Soc. Lond., 1913: 352 (*Platyura*). Type-locality: Suffolk, Boyton (England).—Distr.: Europe: GB, S, D.

**zonata** (ZETTERSTEDT, 1855): Dipt. Scand., 12: 4906 (*Platyura*). Type-locality: "Olandia" (Sweden).—Distr.: North, West and Central Europe; USSR: SET (Caucasus).

*concosa* (WALKER, 1856): Ins. Brit., Dipt., 3: 68 (*Platyura*). Type-locality: England.

*forcipula* (LUNDSTRÖM, 1912): *Annls hist.-nat. Mus. natn. hung.*, **10**: 514 (*Platyura*). Type-localities: "Hungary: Budapest, Visegrád (Hungary); Brasso [= Braşov] (Roumania); Kőrösmező [= Jasina] (USSR)".

### **Rutylapa** EDWARDS, 1929

EDWARDS, 1929: *Proc. Linn. Soc. N.S.W.*, **54**(3): 171 (as subgenus of *Platyura* MEIGEN, 1803).

Type-species: *Platyura ruficornis* ZETTERSTEDT, 1851: *Dipt. Scand.*, **10**: 4081 (orig. des.).

**ruficornis** (ZETTERSTEDT, 1851): *Dipt. Scand.*, **10**: 4081 (*Platyura*). Type-localities: "Svecia meridionali, Scania ad Lund, Tranås et Esperöd" (Sweden).—  
Distr.: Europe: GB, D, DDR, S; USSR: CET (Kaliningrad prov.).  
*pectinifera* (EDWARDS, 1913): *Trans. R. ent. Soc. Lond.*, **1913**: 353 (*Platyura*).  
Type-locality: "New Forest" (England).

### **Xenoplatyura** MALLOCH, 1928

MALLOCH, 1928: *Proc. Linn. Soc. N.S.W.*, **53**: 601.

Type-species: *Platyura conformis* SKUSE, 1888: *Proc. Linn. Soc. N.S.W.*, (2) **3**(3): 1175 (orig. des.); not Palaearctic.

[**octosegmentata** BRUNETTI, 1912: *Fauna of India, Nematocera*: 64 (*Platyura*).  
Type-locality: Allahabad [= Uttar Pradesh] (India).—Distr.: Asia:  
North India (Himalaya).]

### **Urytalpa** EDWARDS, 1929

EDWARDS, 1929: *Proc. Linn. Soc. N.S.W.*, **54**(3): 169 (as subgenus of *Platyura* MEIGEN, 1803).

Type-species: *Platyura ochracea* MEIGEN, 1818: *Syst. Besch.*, **1**: 240 (orig. des.).

**atriceps** (EDWARDS, 1913): *Trans. R. ent. Soc. Lond.*, **1913**: 353 (*Platyura*). Type-localities: Dorset, Goathorn (England).—Distr.: Europe: GB.  
**corniculata** (OSTROVERKHOVA, 1979): *Fungus-gnats (Diptera, Mycetophiloidea) of Siberia*: 39 (*Platyura (Zelmira)*). Type-locality: "Sichote-Alinskiy zapovednik, lake Blagodatnoe" (USSR).—Distr.: USSR: FE (Primorye Territory).  
**macrocera** (EDWARDS, 1913): *Trans. R. ent. Soc. Lond.*, **1913**: 349 (*Platyura*). Type-locality: "Aviemore, Inverness" (Scotland).—Distr.: Europe: GB, NL.



- ochracea** (MEIGEN, 1818): Syst. Besch., 1: 240 (*Platyura*). Type-locality: not given (?Aachen) [D].—Distr.: North, West and Central Europe; USSR: CET (La).
- dorsalis* (STAEGER, 1840): Naturh. Tidsskr., 3: 278 (*Platyura*). Type-locality: Denmark.
- mycetophiloides* (WALKER, 1856): Ins. Brit., Dipt., 3: 66 (*Platyura*). Type-localities: England, Scotland.
- nigriceps* (WALKER, 1856): Ins. Brit., Dipt., 3: 66 (*Platyura*). Type-locality: England.
- humeralis* (WINNERTZ, 1863): Verh. zool.-bot. Ges. Wien, 13: 692 (*Platyura*). Type-locality: not given ("in königl. Museum zu Berlin").
- [**vicina** (BRUNETTI, 1912): Fauna of India, Nematocera: 63 (*Platyura*). Type-locality: "Naini Tal" [= Uttar Pradesh] (India).—Distr.: Asia: North India (Himalaya).]

### Doubtful species

- affinis* A. COSTA, 1844: Atti Accad. Napoli, 5(2): 110 (*Ceroplastus*). Type-localities: Italy.
- africana* LUNDSTRÖM, 1916: Annl. hist.-nat. Mus. natn. hung., 14: 78 (*Platyura*). Type-localities: "Djebel Djeloud; Bordj Cedria" (Tunisia).
- bezzii* STROBL, 1909: Mitt. naturw. Ver. Steierm., 46: 240 (*Platyura*). Type-locality: Abbazia [= Opatia] (Yugoslavia).
- bicolor* MACQUART, 1826: Mém. Soc. Sci. Agric. Lille, 1823-1824: 105 (*Platyura*). Type-locality: Nord de la France.
- bifasciata* MACQUART, 1834: Hist. nat. Ins., Dipt., 1: 144 (*Platyura*). Type-locality: "France".
- bifasciata* VON ROSER, 1840: CorrespBl. würt. landw. Ver. Stuttg. (N.F.), 17(1): 51 (*Platyura*). Type-locality: not given (Württemberg) [= *Leia subfasciata* MEIGEN, according to LANDROCK, 1917: Wien. ent. Ztg, 36(1-2): 39].
- brevicornis* MEIGEN, 1838: Syst. Besch., 7: 47 (*Mycetophila*). Type-locality: "Baiern" [= Bavaria] [D].
- czernyi* STROBL, 1909: Verh. zool.-bot. Ges. Wien, 59(1-2): 128 (*Platyura*). Type-locality: "Algeciras" (Spain).
- daisenana* OKADA, 1938: Insecta matsum., 13(1): 26 (*Zelmira*). Type-locality: Berg Daisen in der Prov. Hoki, Honshu (Japan).
- decora* GRZEGORZEK, 1885: Berl. ent. Z., 29(2): 203 (*Platyura*). Type-locality: not given (?Bochnia, Poland).
- discoidea* WINNERTZ, 1863: Verh. zool.-bot. Ges. Wien, 13: 700 (*Platyura*). Type-locality: not given ("im königl. Museum zu Berlin").
- exemplum* PLASSMANN, 1978: Senckenberg. biol., 59(3/4): 205 (*Asindulum*). Type-locality: "Bulgaria: linker Nebenbach der Strjama oberhalb Zopot", Balkangebirge (Sopot, Balkan Mts).
- fugax* WINNERTZ, 1863: Verh. zool.-bot. Ges. Wien, 13: 693 (*Platyura*). Type-locality: not given (?Crefeld [= Krefeld]) [D].
- inconspicua* WALKER, 1848: List. Dipt. Brit. Mus., 1: 90 (*Platyura*). Type-locality: England.
- intincta* MEIGEN, 1818: Syst. Besch., 1: 242 (*Platyura*). Type-locality: "Portugal".
- lucosa* GRZEGORZEK, 1885: Berl. ent. Z., 29(2): 202 (*Platyura*). Type-locality: not given (?Bochnia, Poland).
- lugubris* ZETTERSTEDT, 1851: Dipt. Scand., 10: 4087 (*Platyura*). Type-localities: "Helsingia ad Arbrå [= Hälsingland] et diversorium Löfvik, Bottnia boreali" [= Norrbotten] (Sweden).
- maritima* BECKER, 1907: Z. syst. Hymenopt. Dipterol., 7: 233 (*Platyura*). Type-locality: "Tabarka" (Tunisia).

- mikado* OKADA, 1938: *Insecta matsum.*, **13**(1): 27 (*Zelmira*). Type-localities: Prov. Iyo; Honshu, Hamasaka in der Prov. Tajima, Shikoku (Japan).
- nigerrima* STROBL, 1909: *Mitt. naturw. Ver., Steierm.*, **46**: 239 (*Platyura*). Type-locality: "Turrachgraben" [= valley of Turrach] (Austria).
- oberthueri* MATILE, 1967: *Bull. Soc. ent. Fr.*, **72**: 124 (*Platyura*). Type-locality: Pyrénées-Orientales, Amélie-les-Bains (France).
- occlusa* LOEW, 1869: *Beschr. europ. Dipt.*, **1**: 15 (*Platyura*). Type-locality: Deutschland.
- pallipes* MACQUART, 1826: *Mém. Soc. Sci. Agric. Lille*, **1823-1824**: 104 (*Platyura*). Type-locality: Nord de la France.
- sachalinensis* MATSUMURA, 1911: *J. Coll. Agric. Tohoku imp. Univ., Sapporo*, **4**: 61 (*Platyura*). Type-locality: Sakhalin (USSR).
- sapporoensis* OKADA, 1938: *Insecta matsum.*, **13**(1): 28 (*Zelmira*). Type-locality: Sapporo, Hokkaido (Japan).
- sciaraeformis* OKADA, 1939: *J. Fac. Agric. Hokkaido (imp.) Univ.*, **42**(4): 297 (*Zelmira*). Type-locality: "Sopporo" [= Sapporo] (Japan).
- selecta* WINNERTZ, 1863: *Verh. zool.-bot. Ges. Wien*, **13**: 700 (*Platyura*). Type-locality: not given ("im königl. Museum zu Berlin").
- similis* WINNERTZ, 1863: *Verh. zool.-bot. Ges. Wien*, **13**: 699 (*Platyura*). Type-locality: not given (?Crefeld [= Krefeld]) [D].

## Family Diadocidiidae

By N. P. KRIVOSHEINA

The Diadocidiidae is a strictly isolated group of the mycetophiloid flies. Characterized by the presence of both veins *rm* and *M*, forming nearly a straight line, with only two branches of the radius present. Yellowish brown flies with grey wings. Head rounded, slightly flattened in front. Compound eyes bud-shaped, with 3 ocelli. Antennae 2+15-segmented. Palpi 4-segmented. Antennal segments cylindrical, apical segment very small. Thorax strongly ovate from above. Scutellum small, roundish. Legs slender, femora somewhat thickened. Hind tibiae with three rows of setae. Abdomen cylindrical with three visible segments. Wings hairy, somewhat longer than abdomen. *C* produced beyond tip of *R*<sub>5</sub>. *Sc* long, ending in costa.

Larvae slender, long, consisting of 12 segments. Integuments very thin. Spiracles present only on prothorax; i.e. tracheal system peripneustic. Head capsule elongate, lateral plates on ventral side widely separated. Antennae rudimental. Maxillae curved, with short sensory appendages. The type of the larval nutrition is not known for certain.

Larvae developing in slime tubes in decaying wood or in masses of fallen branches.

Adults are found in large numbers around and within the hollows of tree stumps.

A small and rather poorly studied group of Diptera including three genera: *Diadocidia* RUTHE, *Heterotricha* LOEW, *Pterogymnus* FREEMAN. The representatives of *Diadocidia* are widely distributed; species of *Heterotricha* and *Pterogymnus* are recorded only from South America (Chile). The species of *Diadocidia* are not numerous; 4 species are known from the Palaearctic, 3 from the Nearctic (including one Palaearctic) Regions, 2 species are known from Australia and 2 from South America. Until recently some authors (LAŠTOVKA and MATILE, 1972; HUTSON, ACKLAND and KIDD, 1980 et al.) treated this group as the subfamily of Mycetophilidae, others (ROHDENDORF, 1964, 1977; PAPAVERO, 1977 et al.) considered it to be a family.

**References:** MADWAR, 1937 (biol.); ARNAUD and HOYT, 1956 (biol.); LAŠTOVKA and MATILE, 1972 (syn., morph. Palaearctic species).

**Diadocidia** RUTHE, 1831

RUTHE, 1831: *Isis*, **1831**(11): 1210.

Type-species: *Diadocidia flavicans* RUTHE, 1831: l.c.: 1211 (orig. des.) [= *ferruginosa* (MEIGEN, 1830)].

*Macronevra* MACQUART, 1834: *Hist. nat. Ins., Dipt.*, **1**: 146. Type-species: *Macronevra winthemi* MACQUART, 1834: l.c.: 147 (mon.) [= *ferruginosa* (MEIGEN, 1830)].

*Adidocidia* LAŠTOVKA et MATILE, 1972: see below as subgenus.

Subgenus **DIADOCIDIA** RUTHE, 1831

**ferruginosa** (MEIGEN, 1830): *Syst. Besch.*, **6**: 294 (*Mycetobia*). Type-locality: "aus der Hamburger Gegend".—Distr.: Europe: North, West and Central Europe: from GB, to PL; I, YU; USSR: CET (Kaliningrad obl., Est, La); Asia: Iran, ?Japan; North America.

*flavicans* RUTHE, 1831: *Isis*, **1831**(11): 1211 (*Diadocidia*). Type-locality: not given.

*winthemi* (MACQUART, 1834): *Hist. nat. Ins., Dipt.*, **1**: 147 (*Macronevra*). Type-locality: "Nord de l'Allemagne".

**spinosula** TOLLET, 1948: *Bull. Anns Soc. r. ent. Belg.*, **84**(11–12): 285 (*Diadocidia*). Type-localities: "Baraque Michel, Fontaine, Perigny; Hautes-Fagnes, Duzo-Mouupas (Belgium).—Distr.: North, West Europe (GB, IRE, B, F, D, DDR, A, H, CH, SF), YU; USSR: CET (Kaliningrad obl.), SET (Caucasus).

**thoracica** OKADA, 1936: *Insecta matsum.*, **11**(1–2): 22 (*Diadocidia*, as forma of *ferruginosa* MEIGEN). Type-locality: Japan: Hokkaido, Sapporo.—Distr.: Japan (Hokkaido).

Reference: LAŠTOVKA and MATILE, 1972: *Anns Soc. ent. Fr. (N.S.)*, **8**(1): 216.

Subgenus **ADIDOCIDIA** LAŠTOVKA et MATILE, 1972

LAŠTOVKA and MATILE, 1972: *Anns Soc. ent. Fr. (N.S.)*, **8**(1): 218.

Type-species: *Diadocidia valida* MIK, 1874: *Verh. zool.-bot. Ges. Wien*, **24**: 329 (orig. des.).

**valida** MIK, 1874: *Verh. zool.-bot. Ges. Wien*, **24**: 329 (*Diadocidia*). Type-locality: "Austria".—Distr.: Europe: A, F, H, CS, D, DDR, SF; USSR: CET (La).

## Family Macroceridae

By N. P. KRIVOSHEINA and B. M. MAMAEV

Slender flies with long thin body and very long characteristic antennae which are much longer than the body. Head rounded, ocelli distinct. Palpi 4-segmented, cylindrical. Antennae 2 + 14-segmented, two apical segments covered with dense long hairs. Mesonotum arched, scutellum small. Abdomen almost cylindrical, slightly flattened; in females somewhat broadened in the middle. Abdomen consisting of 7 visible segments. Legs long and slender, fore pair much shorter. Tibial setae absent, apical spurs short. Wings large and broad, usually strongly broadened at base, covered with micro- or, in some species, with macrotrichia. *C* produced beyond tip of *R*<sub>2</sub>. *Sc* ending in *C*, vein *An* reaching wing margin.

Larvae elongate, integuments delicate. Body 12-segmented, abdominal segments with numerous secondary folds. Posterior abdominal segment with two pairs of conical lobes, directed backwards. Tracheal system apneustic, no spiracles. Head well developed, square-shaped. Head capsule with deep emargination in posterior portion, easily retractible into thoracic segments. Mandibles elongate with large dentation apically. Maxillae covered as typical for Mycetophiloidea.

Larvae live in decaying wood, under the bark, under fallen logs. They are usually covered with a thin layer of slime, secreted by their salivary glands. Necrophagous or facultative predators.

The species of *Macrocera* prefer wet forest biotopes, they are common in forests and caves.

A rather small group of peculiar Diptera including a number of genera: *Macrocera* MEIGEN (distributed all over the world); *Chiasmoneura* DE MEIJERE (Africa); *Chiasmoneurella* EDWARDS (Africa, Uganda); *Paramacrocera* EDWARDS (Argentina). The last three genera, known from the southern hemisphere, are represented by a few species only. The genus *Macrocera* MEIGEN is richer in species. At the present time 23 species of this genus are recorded from North America, 25 from South America, 12 from Africa 19 from the Oriental Region and 55 from the Palearctic Region.

Many taxonomists (COHER, 1963; MATILE, 1980; PAPAVERO, 1978; and others) treat the group as the subfamily of Keroplatidae while some others give the group family status (HENNIG, 1954; ROHDENDORF, 1964, 1977; STACKELBERG, 1945, 1969 et al.).

**References:** MANSBRIDGE, 1933 (biol.), MADWAR, 1935, 1937 (biol.); STACKELBERG, 1945 (key); COHER, 1963 (syn., morph.).

### **Macrocera** MEIGEN, 1803

MEIGEN, 1803: Mag. Insektenk., 2: 261.

Type-species: *Macrocera lutea* MEIGEN, 1804: Klass. Beschr., 1(1): 46 (des. CURTIS, 1837: Brit. Ent., 14: 637) (*Macrocera* proposed with one doubtfully included species: CURTIS's designation from first four subsequently included species (MEIGEN, 1804: 46-47).

*Euphrosyne* MEIGEN, 1800: Nouve. Class.: 16 (no included species). Type-species: *Macrocera lutea* MEIGEN (des. COQUILLET, 1910: Proc. U.S. natn. Mus., 37: 542). Name suppressed by I.C.Z.N. 1963. Opinion, 678: 339.

*Geneja* LIOY, 1863: Atti Ist. veneto Sci., (3) 9: 229, new name for *Macrocera* MEIGEN, 1803. Type-species: *Macrocera lutea* MEIGEN, 1804: Klass. Beschr., 1(1): 46 (aut.).

*Promacrocera* SPEISER, 1913: Dt. ent. Z., 1913: 134. Type-species: *Promacrocera interrogationis* SPEISER, 1913: l.c.: 134 (orig. des.); not Palearctic.

- abdominalis** OKADA, 1937: *Insecta matsum.*, **12**(1): 21 (*Macrocera*). Type-locality: Sôunkyô, Hokkaido (Japan).—Distr.: USSR: FE (South Kurile Is.); Asia: Japan.
- alpicola** WINNERTZ, 1863: *Verh. zool.-bot. Ges. Wien*, **13**: 682 (*Macrocera*). Type-locality: "Frankfurt a. M." [D].—Distr.: Europe: D, DDR, A, PL; USSR: SET (Uk).
- alpicoloides** OKADA, 1937: *Insecta matsum.*, **12**(1): 22 (*Macrocera*). Type-locality: Sapporo, Hokkaido (Japan).—Distr.: USSR: FE (South Kurile Is.); Asia: Japan (Hokkaido, Honshu, Shikoku).
- altaica** OSTROVERKHOVA, 1979: *Fungus-gnats (Diptera, Mycetophiloidea) of Siberia*: 45 (*Macrocera*). Type-locality: "Altajskiy kray, Ozerki" (USSR).—Distr.: USSR: WS.
- [**alternata** BRUNETTI, 1912: *Fauna of India, Nematocera*: 52 (*Macrocera*). Type-locality: India: "Naini Tal" (Uttar Pradesh).—Distr.: Asia: North India.]
- anglica** EDWARDS, 1925: *Trans. R. ent. Soc. Lond.*, **1924**: 517 (*Macrocera*). Type-localities: "New Forest; Stokenchurch, Oxon; Crouborough, Sussex; Welwyn, Herts" (England).—Distr.: Europe: GB.
- angulata** MEIGEN, 1818: *Syst. Besch.*, **1**: 224 (*Macrocera*). Type-locality: not given ("aus Hrn. Baumhauers Sammlung").—Distr.: North, West and Central Europe (GB, IRE, NL, F, D, DDR, CS, H, PL, S, SF); USSR: CET (Est, La), NET (Leningrad prov.), SET (North Caucasus).
- ornata* LANDROCK, 1917: *Wien. ent. Ztg.*, **36**(3-5): 94 (*Macrocera*, as var. of *angulata*). Type-locality: "Ungarn".
- apicalis** HOFFMEISTER, 1844: *Jber. Ver. Naturk. Cassel*, **8**: 13 (*Macrocera*). Type-locality: "Deutschland".—Distr.: Central Europe.
- aquilonia** STACKELBERG, 1945: *Ent. Obozr.*, **28**(1-2): 27 (*Macrocera*). Type-locality: Tolmatshevo, Leningrad prov. (USSR).—Distr.: USSR: NET, CET, WS, ES.
- aterrima** STACKELBERG, 1945: *Ent. Obozr.*, **28**(1-2): 27 (*Macrocera*). Type-locality: Novaia Zemlia, Southern Is. (USSR).—Distr.: Europe: IRE; USSR: NET (north).
- bipunctata** EDWARDS, 1925: *Trans. R. ent. Soc. Lond.*, **1924**: 520 (*Macrocera*). Type-localities: N. Lancashire, Tilberthwaite Ghyll; Westmoreland, Bowness (England).—Distr.: Europe: GB, F.
- grandis*: EDWARDS, 1913, misidentification.
- [**brunnea** BRUNETTI, 1912: *Fauna of India, Nematocera*: 53 (*Macrocera*). Type-locality: Phagu, Simla district (India).—Distr.: Asia: North India (Himalaya).]
- centralis** MEIGEN, 1818: *Syst. Besch.*, **1**: 225 (*Macrocera*). Type-locality: not given ("aus Hrn. Baumhauers Sammlung").—Distr.: widely in the North, West and Central Europe (GB, IRE, NL, D, DDR, F, CS, CH, PL, S, SF); USSR: NET (Leningrad prov.), CET (Est, La); SET (Caucasus), WS.

- comosa** OSTROVERKHOVA, 1979: Fungus-gnats (Diptera, Mycetophiloidea) of Siberia: 46 (*Macrocera*). Type-locality: Majna, Bejskiy rayon, Krasnojarskiy kray, (USSR).—Distr.: USSR: WS.
- crassicornis** WINNERTZ, 1863: Verh. zool.-bot. Ges. Wien, 13: 678 (*Macrocera*). Type-locality: "Frankfurt a. M." [D].—Distr.: Europe: GB, F, A, CS, D, DDR; USSR: CET (La); Asia: Afghanistan; North Africa.
- annulicoxa** MIK, 1864: Verh. zool.-bot. Ges. Wien, 14: 791 (*Macrocera*). Type-locality: "Wiener Gegend" (Austria).
- diversimaculata** SANTOS ABREU, 1920: Memos Acad. Cienc. Artes Barcelona, 16(1): 20 (*Macrocera*). Type-locality: Palma.—Distr.: Canary Is.
- ephemeraeformis** ALEXANDER, 1924: Insecutor Inscit. menstr., 12(4-6): 53 (*Macrocera*). Type-locality: "Honshu, Kawamata, Shimotsuke-no-kuni" (Japan).—Distr.: Asia: Japan (Hokkaido, Honshu).
- estonica** LANDROCK, 1924: Zool. Anz., 58: 79 (*Macrocera*). Type-locality: Estland, Ulila-Moor bei Dorpat [= Tartu] (USSR).—Distr.: Europe: GB; USSR: CET (Est), WS (Tomsk prov.).
- ezoensis** OKADA, 1937: Insecta matsum., 12(1): 24 (*Macrocera*). Type-locality: Sapporo, Hokkaido (Japan).—Distr.: USSR: FE (Sakhalin); Asia: Japan (Hokkaido).
- fasciata** MEIGEN, 1804: Klass. Beschr., 1(1): 47 (*Macrocera*). Type-locality: not given (?Stolberg bei Aachen) [D].—Distr.: Europe: mainly part of the Europe (GB, IRE, NL, F, P, D, DDR, CS, R, A, PL, S, SF); USSR: NET (Leningrad prov.), CET (Est, La), WS.
- fusca** LANDROCK, 1917: Wien. ent. Ztg, 36(3-5): 70, and 80 (*Macrocera*, as var. of *fasciata*). Type-locality: not given (Central Europe).
- monticola** LANDROCK, 1917: Wien. ent. Ztg, 36(3-5): 70, and 81 (*Macrocera*, as var. of *fasciata*). Type-locality: not given (Central Europe).
- fascipennis** STAEGER, 1840: Naturh. Tidsskr., 3(1): 231 (*Macrocera*). Type-locality: Denmark.—Distr.: Europe: GB, SF, DK, D, DDR; USSR: NET.
- fastuosa** LOEW, 1869: Beschr. europ. Dipt., 1: 16 (*Macrocera*). Type-locality: Carlsbad [= Karlovy Vary] (Czechoslovakia).—Distr.: Europe: GB, F (Corsica), CS; USSR: CET (La).
- flexa** OSTROVERKHOVA et ISOTOV, 1974: Trudy nauchno-issled. inst. biol. biofiz., 4: 81 (*Macrocera*). Type-locality: Orlovka, Verkhneketskiy rayon, Tomsk prov. (USSR).—Distr.: USSR: WS (Tomsk prov.).
- frigida** SACK, 1923: Report Sci. Results Norwegian expedition to Novaya Zemlya 1921, No. 15 (Soc. Arts a. Sci. of Kristiania): 4 (*Macrocera*). Type-locality: "Maschigin Bucht" (Novaya Zemlya) (USSR).—Distr.: USSR: NET.
- fusciventris** VON ROSER, 1840: CorrespBl. württ. landw. Ver. Stuttg. (N.S.), 17(1): 51 (*Macrocera*). Type-locality: not given (Württemberg).—Distr.: Central Europe.

- grandis** LUNDSTRÖM, 1912: Acta Soc. Fauna Flora fenn., **36**(1): 5 (*Macrocera*).  
Type-locality: Fennia australis, Kuustö (Finland).—Distr.: Europe: GB, SF; USSR: CET (La), WS.
- magna** LUNDSTRÖM, 1916: Annlis hist.-nat. Mus. natn. hung., **14**: 72 (*Macrocera*, new name for *grandis* LUNDSTRÖM).
- magna** LANDROCK, 1917: Wien. ent. Ztg, **36**(3–5): 89 (*Macrocera*, new name for *grandis* LUNDSTRÖM). Unnecessary new name due to supposed homonymy of *grandis* LUNDSTRÖM with *Macrocera grandis* MEUNIER, 1899: Misc. Ent., 7, nomen nudum.
- hyalinimaculata** SANTOS ABREU, 1920: Memos R. Acad. cienc. Artes Barcelona, **16**(1): 17 (*Macrocera*). Type-locality: Palma (Canary Is.).
- incompleta** BECKER, 1908: Mitt. zool. Mus. Berl., **4**(1): 66 (*Macrocera*). Type-locality: “S. Cruz auf Teneriffe” (Canary Is.).—Distr.: Canary Is.
- defecta** SANTOS ABREU [?]: Apuntes para el estudio de los Dipteros de las islas Canarias: 4287 (accord. SANTOS ABREU, 1920) (as variety).
- decipiens** SANTOS ABREU, 1920: Memos R. Acad. cienc. Artes, Barcelona, **16**(1): 16 (*Macrocera*, as var. of *incompleta*). Type-locality: Palma (Tenerife).
- obscurigastriis** SANTOS ABREU, 1920: Memos R. Acad. cienc. Artes, Barcelona, **16**(1): 16 (*Macrocera*, as var. of *incompleta*). Type-locality: Palma (Canary Is.).
- [**inconspicua** BRUNETTI, 1912: Fauna of India, Nematocera: 54 (*Macrocera*). Type-locality: “Kumaon (Uttar Pradesh), Naini Tal district, Kaladhungi” (India).—Distr.: Asia: North India.]
- [**ferruginea** BRUNETTI, 1912: Fauna of India, Nematocera: 55 (*Macrocera*). Type-locality: “Kumaon (Uttar Pradesh), Bhim Tal”.]
- inversa** LOEW, 1869: Beschr. europ. Dipt., **1**: 16 (*Macrocera*). Type-locality: “Schlesien”.—Distr.: Europe: NL, F, CS, D, DDR, R, YU; USSR: WS (Tomsk prov.).
- kerteszi** LUNDSTRÖM, 1911: Annlis hist.-nat. Mus. natn. hung., **9**: 390 (*Macrocera*). Type-locality: “Hungaria: Orsova” (Roumania).—Distr.: Europe: R.
- longibrachiata** LANDROCK, 1917: Wien. ent. Ztg, **36**(3–5): 85 (*Macrocera*). Type-locality: “Süddeutschland”.—Distr.: Europe: GB, F, D, DDR.
- lutea** MEIGEN, 1804: Klass. Beschr., **1**(1): 46 (*Macrocera*). Type-locality: not given (?Stolberg bei Aachen) [D].—Distr.: North, West and Central Europe (GB, IRE, S, SF, NL, F, D, DDR, A, CS, PL); USSR: NET (Leningrad prov.), CET (Est, La), SET (Crimea); Asia: ?Japan (Honshu).
- maculata** MEIGEN, 1818: Syst. Beschr., **1**: 225 (*Macrocera*). Type-locality: “Gegend von Berlin”.—Distr.: Europe: S, SF, GB, F, D, DDR, CS; USSR: NET (Leningrad prov.), CET (Est, La).
- maculosa** MATSUMURA, 1915: Konchu Bunruigaku, **2**: 55 (*Macrocera*). Type-locality: Hokkaido (Japan).—Distr.: Asia: Japan (Hokkaido, Honshu).
- nana** MACQUART, 1826: Mém. Soc. Sci. Agric. Lille, **1823–1824**: 110 (*Macrocera*). Type-locality: “Nord de la France”.—Distr.: Europe: GB, F, D, DDR, CS; USSR: CET; Asia: ?Japan (Kyushu).

- pusilla* MEIGEN, 1830: Syst. Besch., 6: 293 (*Macrocera*). Type-locality: "Lütticher Gegend" [= Liège] (Belgium).
- multicincta* CURTIS, 1837: Brit. Ent., 14: 637 (*Macrocera*). Type-locality: "Niton" (England).
- pseudopusilla* LANDROCK, 1917: Wien. ent. Ztg, 36(3-5): 82 (*Macrocera*, new name for *pusilla*: WINNERTZ, 1863: Verh. zool.-bot. Ges. Wien, 13: 678).
- nigricoxa** WINNERTZ, 1863: Verh. zool.-bot. Ges. Wien., 13: 679 (*Macrocera*). Type-locality: "Frankfurt a. M." [D].—Distr.: Europe: D, DDR, CS.
- nigropicea** LUNDSTRÖM, 1906: Acta Soc. Fauna Flora fenn., 29(1): 3 (*Macrocera*). Type-locality: Lapponia rossica zwischen Kola und Dorf Kildin (USSR: NET, Murmansk prov.).—Distr.: Europe: SF; USSR: NET.
- obscura** WINNERTZ, 1863: Verh. zool.-bot. Ges. Wien, 13: 683 (*Macrocera*). Type-locality: "Frankfurt a. M." [D].—Distr.: Europe: D, DDR, PL; USSR: SET; Asia: ?Japan (Honshu).
- parcehirsuta** BECKER, 1907: Z. syst. Hymenopt. Dipterol., 7: 232 (*Macrocera*). Type-locality: "Algier" (Algeria).—Distr.: Europe: F (Corsica); Asia: Iran; North Africa: Algeria.
- parva** LUNDSTRÖM, 1914: Acta Soc. Fauna Flora fenn., 39(3): 7 (*Macrocera*). Type-localities: Lapponia rossica: Kantalaks, Kola; Lapponia svecica: Muonio (USSR: NET; Finland).—Distr.: Europe: S, SF, GB, IRE, F, D, DDR; USSR: NET, CET (La), SET (Caucasus), WS, ES.
- silvatica* LANDROCK, 1917: Wien. ent. Ztg, 36(3-5): 70 and 81 (*Macrocera*, as var. of *fasciata* MEIGEN). Type-locality: not given (Central Europe).
- penicillata** A. COSTA, 1857: Giambatt. Vico, Gior. Sci. Napoli, 2(3): 460 (*Macrocera*). Type-locality: "Napoli" [= Naples] (Italy).
- phalerata** MEIGEN, 1818: Syst. Besch., 1: 223 (*Macrocera*). Type-localities: Berlin u. Halle [DDR].—Distr.: North, West and Central Europe (IRE, GB, NL, F, CH, D, DDR, CS, PL, SF); USSR: CET, SET (Crimea).
- maculipennis* MACQUART, 1826: Mém. Soc. Sci. Agric. Lille, 1823-1824: 110 (*Macrocera*). Type-locality: "Nord de la France".
- pilosa** LANDROCK, 1917: Wien. ent. Ztg, 36(3-5): 95 (*Macrocera*). Type-locality: "Schlesien".—Distr.: Europe: D, DDR, SF; USSR: NET (Leningrad prov.), CET (Est, La), SET (Crimea).
- propleuralis** EDWARDS, 1941: Entomologist's mon. Mag., 77: 23 (*Macrocera*). Type-locality: Sidmouth, Devon (England).—Distr.: Europe: GB.
- pumilio** LOEW, 1869: Besch. europ. Dipt., 1: 18 (*Macrocera*). Type-locality: "Deutschland".—Distr.: Europe: SF, D, DDR; USSR: CET (La).
- stigma** CURTIS, 1837: Brit. Ent., 14: 637 (*Macrocera*). Type-locality: "Ambleside, Niton" (England).—Distr.: Europe: mainly in the North, West and Central Europe (GB, IRE, NL, CH, D, DDR, A, CS, PL, N, SF); USSR: NET, CET (Est, La), WS, ES.
- stigmoides** EDWARDS, 1925: Trans. R. ent. Soc. Lond., 1924: 521 (*Macrocera*). Type-locality: "Cambridge" (England).—Distr.: Europe: GB, IRE, NL,



F, CH, D, DDR, PL, SF; USSR: NET (Leningrad prov.), CET (Est, La), SET (Crimea).

**striatipennis** STROBL, 1906: Mem. R. Soc. esp. Hist. nat., 3(5)(1905): 392 (*Macrocera*). Type-locality: Almeria (Spain).—Distr.: E.

**sudetica** LANDROCK, 1924: Wien. ent. Ztg, 40: 166 (*Macrocera*). Type-locality: "Mohratal, Gersdorf" [DDR].—Distr.: Central Europe.

**summatis** VOCKEROTH, 1976: Can. Ent., 108(11): 1232 (*Macrocera*). Type-locality: Norrbotten, Pajala (Sweden).—Distr.: Europe: S.

**tusca** LOEW, 1869: Besch. europ. Dipt., 1: 17 (*Macrocera*). Type-locality: "Toskana" (Italy).—Distr.: Europe: GB, NL, F, A, D, DDR, I, CS.

**tyrrhenica** EDWARDS, 1928: Encycl. ent. (B II) Dipt., 4(4): 159 (*Macrocera*). Type-locality: "Restonica Valley" (Corsica).—Distr.: Europe: F.

**uncinata** OSTROVERKHOVA, 1979: Fungus-gnats (Diptera, Mycetophiloidea) of Siberia: 50 (*Macrocera*). Type-locality: "Sikhote-Alinskiy zapovednik" (USSR).—Distr.: USSR: FE (Primorye territory).

**variegata** OSTROVERKHOVA, 1979: Fungus-gnats (Diptera, Mycetophiloidea) of Siberia: 50 (*Macrocera*). Type-locality: Tomsk.—Distr.: USSR: WS.

**vittata** MEIGEN, 1830: Syst. Besch., 6: 293 (*Macrocera*). Type-locality: "Lund" (Sweden).—Distr.: mainly in the North, West and Central Europe (S, SF, GB, IRE, F, NL, CH, A, CS, D, DDR, PL); USSR: NET (Leningrad prov.), CET (Est, La), SET (Crimea); Asia: ?Japan (Honshu).

**dorsalis** CURTIS, 1837: Brit. Ent., 14: 637 (*Macrocera*). Type-localities: "Southampton; under Turk Mountain near Killarney" (England, Ireland).

**wanawarica** OSTROVERKHOVA et ZAITZEVA, 1979: Новые данные о фауне и флоре Сибири. Tomsk: 71; OSTROVERKHOVA, 1979: Fungus-gnats (Diptera, Mycetophiloidea) of Siberia: 50 (*Macrocera*). Type-locality: Wanawary, Tungusko-cunskiy rayon, Krasnojarskiy kray (USSR).—Distr.: USSR: ES.

**zetterstedti** LUNDSTRÖM, 1914: Acta Soc. Fauna Flora fenn., 39(3): 6 (*Macrocera*, new name for *nana* ZETTERSTEDT not MACQUART, 1860: Dipt. Scand., 14: 6550 (*Macrocera*).—Distr.: Europe: GB, SF, S; USSR: NET (Murmansk prov.), CET (La).

*nana* ZETTERSTEDT not MACQUART, 1860: Dipt. Scand., 14: 6550 (*Macrocera*). Type-locality: "Laponniae Umensis ad Tårna" (Sweden).

**lapponica** LANDROCK, 1917: Wien. ent. Ztg, 36(3-5): 101 (*Macrocera*, new name for *nana* ZETTERSTEDT, 1860: Dipt. Scand., 14: 6550).

## Family Manotidae

By N. P. KRIVOSHEINA and B. M. MAMAEV

Small flies with stumpy body and relatively thick legs. The species of the family differ from other mycetophiloid flies by the following features. Head flattened from behind (*Manota*). Face and frons broad. Eyes hairy. Antennae rather short with 16 segments, inserted above middle of head. Palpi 3–4-segmented. Mesonotum arched, regular rows of setae absent. Coxae long and stout, hind coxae bare at base. Tibiae rather short,  $t_1$  and  $t_3$  with one spur,  $t_2$  with three to two spurs (*Manota*); spurs of moderate length. Wings long, *Sc* very short, *C* much produced beyond tip of  $R_3$ ,  $R_4$  absent. Pedicel of *M* obliterated (*Manota*). Male abdomen narrow, cylindrical, with 7 visible segments, 8th segment small and retracted inside abdomen.

The biology of the species is unknown. Merely one male was bred from decayed birch wood infested by myxomycetes (CHANDLER, 1977).

The family is rather small, including four genera: *Manota* WILL., *Eumanota* EDW., *Promanota* TUOMIK., and *Paramanota* TUOMIK. The last three genera comprising 1–2 species are known only from the Oriental Region. The genus *Manota* WILL. includes about 20 species, distributed all over the world. One species each of the genus is known from the Palaearctic and Nearctic Regions, 3 from South America and 2 from the Oriental Region. Lately the species of *Manota* WILL. from Central Africa have been studied in detail (MATILE, 1972) with 8 species of the genus recorded from that area.

At the present time this group of Diptera is either included as the subfamily Manotinae in Mycetophilidae (TUOMIKOSKI, 1966; COLLESS and LIEPA, 1973; MATILE, 1972 and others) or treated as a separate family Manotidae (HENNIG, 1954; TOLLET, 1959; ROHDENDORF, 1946, 1961, 1964). Manotid flies were first established as a subfamily with two genera: *Manota* WILL. and *Allactoneura* DE MEJERE (EDWARDS, 1925). Later the necessity of excluding *Allactoneura* from Manotidae was shown by SHAW and SHAW, 1951, HENNIG, 1955, and ROHDENDORF, 1961.

**References:** TUOMIKOSKI, 1966 (key); MATILE, 1972 (Afrotropical species); CHANDLER, 1977 (biol.).

### *Manota* WILLISTON, 1896

WILLISTON, 1896: Trans. R. ent. Soc. Lond., 3: 260.

Type-species: *Manota defecta* WILLISTON, 1896: l.c.: 260 (mon.); not Palaearctic.

**unifurcata** LUNDSTRÖM, 1913: Annl. hist.-nat. Mus. natn. hung., 11: 306 (*Manota*).

Type-locality: "Hungaria: Felsőbánya" (Roumania).—Distr.: Europe: GB, F, R; USSR: SET (Crimea).

## Family Mycetobiidae

By B. M. MAMAEV and N. P. KRIVOSHEINA

Small 4–6 mm long flies. Eyes contacted at vertex, 3 ocelli. Antennae consisting of 16 cylindrical segments. Palpi 3-segmented, first segment enlarged with sensory pocket. Wings with  $R_1$  simple,  $R_{2+3}$  and  $R_{4+5}$  fused at base; fork of *M* well developed with a long stem. Femora swollen, tibial spurs distinct, claws simple. Females with two sclerotized spermathecae.

Larvae worm-like, amphipneustic with sclerotized head capsule. Middle abdominal segments each with a secondary annular subdivision, last one with several such divisions. Mandibles moving only in vertical direction. Ventral surface of caudal segment with a large pad.

Larvae living gregariously in fermenting sap, exudation of tree wounds, under moist bark of trees or in water-filled holes in tree stumps.

The family consists of the single genus *Mycetobia* with seven Palaearctic and one Nearctic species. Formerly this genus was often included in the family Anisopodidae, sometimes in Mycetophilidae.

**References:** KRIVOSHEINA and MAMAEV, 1967 (biology); MAMAEV, 1968 (key).

## ***Mycetobia* MEIGEN, 1818**

MEIGEN, 1818: Syst. Besch., 1: 229.

Type-species: *Mycetobia pallipes* MEIGEN, 1818: l.c.: 230 (des. WESTWOOD, 1840: Synopsis: 127).

*Mycetoica* RONDANI, 1861: Dipt. Ital. Prodrum., 4: 12. Type-species: not given.

**bicolor** MAMAEV, 1971: Zool. Zh., 50(2): 296 (*Mycetobia*). Type-locality: USSR: Primorskiy kray, Suputinskij [= Ussurijskiy] zapovednik.—Distr.: FE (S Primorye).

**gemella** MAMAEV, 1968: Ent. Obozr., 47(3): 609 (*Mycetobia*). Type-locality: Krasnaia Poliana, Caucasus (USSR).—Distr.: Europe: DK; USSR: CET (Rs), SET (N Caucasus).

**notabilis** MAMAEV, 1968: Ent. Obozr., 47(3): 609 (*Mycetobia*). Type-locality: Krasnaia Poliana, Caucasus (USSR).—Distr.: USSR: SET (N Caucasus).

**obscura** MAMAEV, 1968: Ent. Obozr., 47(3): 609 (*Mycetobia*). Type-locality: Kropotovo, Moscow obl. (USSR).—Distr.: Europe: DK, S; USSR: CET (Rs).

**pallipes** MEIGEN, 1818: Syst. Besch., 1: 230 (*Mycetobia*). Type-locality: not given ("coll. Baumhauer").—Distr.: Europe: from GB to A and from S to I; USSR: NET, CET, SET.

*validinervis* (ZETTERSTEDT, 1850): Dipt. Scand., 9: 3645 (*Ceratopogon*). Type-locality: Wamlingbo, Gotland (Sweden).

**pilosa** MAMAEV, 1968: Ent. Obozr., 47(3): 609 (*Mycetobia*). Type-locality: Krasnaia Poliana, Caucasus (USSR).—Distr.: USSR: SET (N Caucasus).

**ulmicola** MAMAEV, 1971: Zool. Zh., 50(2): 296 (*Mycetobia*). Type-locality: USSR: Primorskiy kray, Suputinskij [= Ussurijskiy] zapovednik.—Distr.: USSR: FE (S. Primorye).

## Family *Lygistorrhinidae*

By L. MATILE

Small and slender flies with greatly elongate mouthparts, reduced venation and clubbed hind tibiae. Three ocelli (in preserved males often hidden by holoptic eyes). Mouthparts in most species very long, made of a short labrum and five elongate filaments: paired maxillary palps and labellae, and single hypopharynx. Wing:  $Sc_2$ ,  $R_4$  and petiole of anterior fork absent, forks obsolete at base; anal vein greatly reduced. Radial, anterior and basal cross-vein displaced to very base of wing and hardly recognizable,  $t_a$  and  $t_p$  in continuation and practically longitudinal. Mid tibia with two spurs (one only in the non-palaeartic *Probolaeus*). Hind tibia more or less strongly clubbed at apex, the first tarsomere sometimes also thickened. No tibial macrochaetae, except in *Palaeognoriste*. Abdomen narrowly inserted on thorax. Male genitalia simple: 9th tergite long and rather narrow, gonocoxites fused at base, gonostyles not forked or divided in lobes, with differentiated apical spines or setae. Female cerci 2-segmented.

Larvae and biology entirely unknown. Imagines generally extremely scarce in museum collections, but recently collected in significant numbers in Malaise-traps.

The family occurs in all zoogeographical regions, but mainly tropical or subtropical. A genus described from Baltic amber (*Palaeognoriste*) still lives in Sri Lanka.

Phylogenetic relationships unresolved; supposedly closely allied to Keroplatidae, but this hypothesis has recently been refuted.

**References:** HENNIG, 1966 (zoogeography); THOMPSON, 1975 (phylogeny, world species, key); TUOMIKOSKI, 1966 (phylogeny).

### *Lygistorrhina* SKUSE, 1890

SKUSE, 1890: Proc. Linn. Soc. N.S.W., (2) 4: 598.

Type-species: *Lygistorrhina insignis* SKUSE, 1890: l.c.: 600 (mon.); not Palaeartic.

*pictipennis* OKADA, 1937: Insecta matsum., 12(1): 46 (*Lygistorrhina*). Type-locality: Hamasaka, Tajima Prov., Honshu (Japan).—Distr.: Asia: Japan (Honshu).

## Family *Mycetophilidae*

(*Fungivoridae*)

By W. HACKMAN, P. LAŠTOVKA, L. MATILE  
and R. VÄISÄNEN

Small to very small flies (mostly 4 to 8 mm), slender and delicate to moderately robust, usually black, brown or yellow, or these colours mixed; wings sometimes coloured, sometimes vividly spotted. Thorax arched and coxae elongated, giving the flies a hump-back appearance.

Eyes not meeting above antennae. Usually three ocelli, but median ocellus may be absent (e.g. all Mycomyinae) or reduced. Antennae inserted at about middle of height of head; antennal flagellum slender and cylindrical, sometimes thickened basally, 14 flagellomeres except in *Cordyla* (*Mycetophi-*

linae), which has 9 to 13. Mouthparts short, except in *Gnoriste* (Sciophilinae), where they form a slender proboscis, several times longer than head. Wing lacking discal cell. Posterior radial sector at most two-forked, and in this case anterior branch always ending on  $R_1$ , never in  $C$  (Mycomyinae, many Sciophilinae). No fusion or cross-vein connecting stem of anterior fork to posterior fork. Basal sector of  $M$  absent and basal cross-vein longitudinal position. Costa ending at or near apex of wing, anal vein short and free. Microtrichia irregularly arranged, except in Mycetophilinae, where they are arranged in regular rows. Macrotrichia present on membrane in Sciophilini only. Coxae long and stout. Tibiae with well-developed bristles and apical spurs; fine setae in regular rows in Mycomyinae and Mycetophilinae, irregularly arranged in Sciophilinae (but tending to regular disposition in some Leiini). Pulvilli absent. Abdomen narrowly inserted on thorax, broadest near middle. Usually 8 unmodified pregenital segments in male, 7 in female. Male genitalia complex, being of primary importance in species identification. Ovipositor relatively simple, not studied enough to provide good specific characters.

Larvae mostly elongate and slender (flattened in *Phronia*, Mycetophilinae). Hemipneustic, but proneustic in *Speolepta* (Sciophilinae). Head strongly sclerotized, free, antennae very short, one-segmented, cup-like; tentorium very reduced. Thorax and abdomen with creeping-belts of small to very small ventral hooks or spines. Pupae without striking hairs or spines, usually with 9 abdominal segments and 5 pairs of abdominal spiracles; protective web or cocoon always developed.

Biology poorly known. Larvae either free-living in sporophores of fungi, especially Basidiomycetes (most Mycetophilinae), or spinning webs under rotten wood, bark or long-living sporophores such as those of Polyporaceae (Mycomyinae, most Sciophilinae), sometimes forming a conical case from grass and excrement (*Epicypa*). Some larvae of *Mycomya*, *Gnoriste* or *Boletina* (Sciophilinae) spin their web and feed on mosses and liverworts; one species of *Docosia* (Sciophilinae) is known to live in bird nests, where it is probably saprophagous. Diet mainly mycophagous, but some groups predaceous (e.g. *Neoempheria*, Mycomyinae). As regards mycophagy, few species monophagous, stenophagous or polyphagous, most species whose biology is known being restricted to particular genera of families of fungi.

Imagos occur in damp and shady places in forests, along streams, under boulders, in nests of small mammals, natural and artificial caves, sometimes in enormous numbers.

Phylogeny of subfamilial taxa not yet elucidated, as well as phylogenetic relationship of family within Mycetophiloidea; for this reason, classification here adopted rather conventional (tribes Sciophilini, Gnoristini and Leiini of Sciophilinae probably paraphyletic or polyphyletic).

**References:** HUTSON, ACKLAND and KIDD, 1980; LANDROCK, 1926–1927; LAŠTOVKA, 1970; MADWAR, 1937; OSTROVERKHOVA and STACKELBERG, 1969; PLACHTER, 1979; VÄISÄNEN, 1984; VOCKEROTH, 1981.

## Subfamily Sciophilinae

### Tribe Mycomyini

By R. VÄISÄNEN

### *Mycomya* RONDANI, 1856

RONDANI, 1856: Dipt. Ital. Prodromus, 1: 194.

Type-species: *Sciophila marginata* MEIGEN, 1818: Syst. Besch., 1: 249 (orig. des.).

*Cnephaeophila* PHILIPPI, 1865: Verh. zool.-bot. Ges. Wien, 15: 618. Type-species: *Cnephaeophila fenestralis* PHILIPPI, 1865: l.c.: 618 (mon.); not Palaearctic.

*Mycomia* EDWARDS, 1913: Trans. R. ent. Soc. Lond., 1913: 335; unjustified emendation.

- aestiva** (VAN DER WULP, 1877): Dipt. neerl., 1: 169 (*Sciophila*). Type-locality: Dreiberger (Netherlands).—Distr.: Europe: NL.
- alpina** MATILE, 1972: Entomologiste, 28(3): 74 (*Mycomya*). Type-locality: Drome, Forêt de Lente (France).—Distr.: Europe: D, F, I.
- bialorussica** (LANDROCK, 1925): Wien. ent. Ztg, 42: 180 (*Mycomyia*, as a new name for *Sciophila nitida* DZIEDZICKI, 1885, a junior primary homonym of *S. nitida* ZETTERSTEDT, 1852).—Distr.: Europe: SF; USSR: CET (By).
- nitida** (DZIEDZICKI, 1885): Pam. fizyogr., 5(3): 14 (*Sciophila*). Type-locality: "Zaczernie" (Byelorussian SSR).
- bicolor** (DZIEDZICKI, 1885): Pam. fizyorg., 5(3): 20 (*Sciophila*). Type-locality: "Zaczernie" (Byelorussian SSR).—Distr.: Europe: A, CS, D, F, NL, PL, SF; USSR: NET (Rs), CET (By, Est, La), WS, ES, FE.
- bisulca** (LACKSCHEWITZ, 1937): Arb. NatForschVer. Riga, (N.F.), 21: 8 (*Mycomyia*). Type-locality: Susta (Latvian SSR).—Distr.: Europe: S, SF; USSR: CET (La).
- britteni** (KIDD, 1955): Entomologist's mon. Mag., 91: 258 (*Mycomyia*). Type-locality: Cumberland, Skirwith (Great Britain).—Distr.: Europe: GB, SF.
- brunnea** (DZIEDZICKI, 1885): Pam. fizyorg., 5(3): 16 (*Sciophila*). Type-locality: Warszawa (Poland).—Distr.: Europe: A, D, PL, S, SF; USSR: NET (Rs), CET (Est, La), WS, ES, FE.
- cinerascens** (MACQUART, 1826): Mém. Soc. Sci. Agric. Lille, 1823–1824: 101 (*Sciophila*). Type-locality: not given (?Northern France).—Distr.: Europe: A, CS, D, E, F (incl. Corse), GB, H, IRE, N, NL, PL, S, SF, YU; USSR: NET (Rs), CET (Est, La, Li, Rs), TC (Ge), WS, ES; Asia: Japan, Mongolia.
- alacris** (WINNERTZ, 1863): Verh. zool.-bot. Ges. Wien, 13: 710 (*Sciophila*). Type-locality: not given (?Germany).
- inanis** (WINNERTZ, 1863): Verh. zool.-bot. Ges. Wien, 13: 707 (*Sciophila*). Type-locality: not given (?Germany).
- supposita** (STROBL, 1900): Wien. ent. Ztg, 19: 98 (*Sciophila*, as var. of *cinerascens*). Type-locality: Brincola (Spain).
- cingulata** (MEIGEN, 1804): Klass. Beschr., 1: 102 (*Platyura*). Type-locality: not given (?Germany).—Distr.: Europe: D, F; USSR: CET (La).
- circumdata** (STAEGER, 1840): Naturh. Tidsskr., 3: 273 (*Sciophila*). Type-locality: not given (?Denmark).—Distr.: Europe: A, CS, D, DK, F, GB, IRE, NL, PL, SF; USSR: NET (Rs), CET (La, ?Li), WS, ES.
- lucorum** (WINNERTZ, 1863): Verh. zool.-bot. Ges. Wien, 13: 727 (*Sciophila*). Type-locality: not given (?Germany).
- abruptinervis** (STROBL, 1901): Jber. naturh. Landesmus. Kärnten, 47(1900): 11 (*Sciophila*, as forma of *lucorum*). Type-locality: "Schlesien, Freudenthal" [= Bruntál] (Czechoslovakia).
- clavicera** (LUNDSTRÖM, 1912): Acta Soc. Fauna Flora fenn., 36(1): 9 (*Sciophila*). Type-localities: Muonio; "Enontekis" [= Enontekiö] (Finland).—Distr.: Europe: GB, S, SF.

- collini** (EDWARDS, 1941): Entomologist's mon. Mag., **77**: 30 (*Mycomyia*). Type-locality: Berks, Warmsley (Great Britain).—Distr.: Europe: D, GB, SF.
- confusa** VÄISÄNEN, 1979: Annls ent. fenn., **45**: 112 (*Mycomyia*). Type-locality: Kuusamo, Iivaara (Finland).—Distr.: Europe: SF.
- corcyrensis** (LUNDSTRÖM, 1912): Annls hist.-nat. Mus. natn. hung., **10**: 515 (*Sciophila*). Type-locality: Corfu (Greece).—Distr.: Europe: GR, S.
- curvata** (FISHER, 1937): Jl N.Y. ent. Soc., **45**: 395 (*Mycomyia*). Type-locality: Alberta, Beaver Lake near Jasper (Canada).—Distr.: Europe: SF; North America.
- danielae** MATILE, 1972: Entomologiste, **28**(3): 77 (*Mycomyia*). Type-locality: Savoie, Col du Granier (France).—Distr.: Europe: D, F, S, SF; USSR: ES.
- daniele*: error.
- decorosa** (WINNERTZ, 1863): Verh. zool.-bot. Ges. Wien, **13**: 714 (*Sciophila*). Type-locality: not given (?Germany).—Distr.: Europe: A, D, PL; USSR: CET (La).
- denmax** VÄISÄNEN, 1979: Annls ent. fenn., **45**: 114 (*Mycomyia*). Type-locality: Bromarv, Framnäs (Finland).—Distr.: Europe: SF.
- dentata** (FISHER, 1937): Jl N.Y. ent. Soc., **45**: 396 (*Mycomyia*). Type-locality: New Hampshire, Shelburne (USA).—Distr.: Europe: SF; North America.
- digitifera** (EDWARDS, 1925): Trans. R. ent. Soc. Lond., **1924**: 552 (*Mycomyia*). Type-locality: Oxford, Bagley (Great Britain).—Distr.: Europe: GB, SF.
- dilatata** (OSTROVERKHOVA, 1979): Fungus-gnats (Diptera, Mycetophiloidea) of Siberia: 65 (*Mycomyia*). Type-locality: Krasnojarskiy kray, Tungusko Chunskij rayon, okr. pos. Vanavary (USSR).—Distr.: USSR: ES.
- diluta** (ZETTERSTEDT, 1860): Dipt. Scand., **14**: 6556 (*Sciophila*). Type-locality: "Westrogothia ad Gothoburgum" [= Göteborg] (Sweden).—Distr.: Europe: S.
- dryophila** (OSTROVERKHOVA, 1979): Fungus-gnats (Diptera Mycetophiloidea) of Siberia: 65 (*Mycomyia*). Type-locality: Sikhote-Alinskiy zapovednik, oz. Blagodatnoje (USSR).—Distr.: USSR: FE.
- duplicata** (EDWARDS, 1925): Trans. R. ent. Soc. Lond., **1924**: 550 (*Mycomyia*, as new name for *Sciophila trivittata* DZIEDZICKI, 1885, a junior primary homonym of *S. trivittata* ZETTERSTEDT, 1838).—Distr.: Europe: CS, D, F (incl. Corse), GB, PL, S, SF; USSR: CET (La), ES.
- trivittata* (DZIEDZICKI, 1885): Pam. fizyogr., **5**(3): 18 (*Sciophila*). Type-localities: Ciechocinek; Bochnia (Poland).
- dziedzicki** VÄISÄNEN, 1981: Notul. ent., **61**: 164 (*Mycomyia*, new name for *Sciophila fulva* DZIEDZICKI, 1885, a junior primary homonym of *S. fulva* MEIGEN, 1838).—Distr.: Europe: CS, D, F, PL, S, SF; USSR: CET (By, La).
- fulva* (DZIEDZICKI, 1885): Pam. fizyogr., **5**(3): 18 (*Sciophila*). Type-localities: "Zazierze w gubernii Minskiej; Zaczernie w gubernii Mohilewskiej" (Byelorussian SSR).
- egregia** (DZIEDZICKI, 1885): Pam. fizyogr., **5**(3): 21 (*Sciophila*). Type-locality: Galicia (Poland).—Distr.: Europe: D, PL, SF; USSR: CET (La).

- exigua** (WINNERTZ, 1863): Verh. zool.-bot. Ges. Wien, **13**: 725 (*Sciophila*). Type-locality: not given (?Germany).—Distr.: Europe: CS, D, GB, IRE, S, SF; USSR: NET (Rs), CET (Est, La), TC (Ge).
- fasciata** (ZETTERSTEDT, 1838): Insecta Lapp.: 858 (*Sciophila*). Type-localities: "Dowre" [= Dovre] (Norway); "Lapponia Tornensi passim, ad Muonioniska et Kengis"; "Botnia borealis ad Johannis Ro"; "Scan." (Sweden).—Distr.: Europe: A, D, DK, N, PL, S, SF, YU; USSR: CET (Li), ES.
- fennica** VÄISÄNEN, 1979: Anns ent. fenn., **45**: 111 (*Mycomya*). Type-locality: Kirkkonummi, Värans (Finland).—Distr.: Europe: SF.
- fimbriata** (MEIGEN, 1818): Syst. Besch., **1**: 247 (*Sciophila*). Type-locality: not given (?Germany).—Distr.: Europe: A, CS, D, F, GB, IRE, NL, PL, SF; USSR: CET (?By, La, Li); Asia: India.
- fissa** (LUNDSTRÖM, 1911): Anns hist.-nat. Mus. natn. hung., **9**: 394 (*Sciophila*). Type-locality: Admont (Austria).—Distr.: Europe: A, D, F, NL, S.
- flabellata** (LACKSCHEWITZ, 1937): Arb. NatForschVer. Riga, (N.F.), **21**: 10 (*Mycomya*). Type-locality: Kalvene (Latvian SSR).—Distr.: Europe: A, D, S; USSR: CET (La), WS, ES.
- flava** (WINNERTZ, 1863): Verh. zool.-bot. Ges. Wien, **13**: 734 (*Sciophila*). Type-locality: not given (?Germany).—Distr.: Europe: CS, D, F, GB, NL, PL, S, SF; USSR: CET (Est, La), WS, ES.
- flavicollis** (ZETTERSTEDT, 1852): Dipt. Scand., **11**: 4121 (*Sciophila*). Type-locality: "Gottlandia ad Westö in Hall" (Sweden).—Distr.: Europe: A, CS, D, GB, IRE, NL, PL, S, SF, YU; USSR: CET (Est, La), TC (Ge).
- fraterna** (WINNERTZ, 1863): Verh. zool.-bot. Ges. Wien, **13**: 729 (*Sciophila*). Type-locality: originally not given; PLASSMANN, 1970: Senckenberg. biol., **51**(1/2): 90: Falkenstein in Taunus [D].
- forestaria** (PLASSMANN, 1978): Senckenberg. biol., **59**(3/4): 207 (*Mycomya*). Type-locality: "Schwedish-Lappland, Kaltisjokk" (Sweden).—Distr.: Europe: S, SF.
- fornicata** (LUNDSTRÖM, 1911): Anns hist.-nat. Mus. natn. hung., **9**: 395 (*Sciophila*). Type-locality: "Carinthia, Doracz" (Austria).—Distr.: Europe: A, F, ?SF; USSR: ES, FE.
- frigida** (PLASSMANN, 1978): Senckenberg. biol., **59**(3/4): 207 (*Mycomya*). Type-locality: "Schwedish-Lappland, Kaltisjokk" (Sweden).—Distr.: Europe: S.
- fusca** (MEIGEN, 1818): Syst. Besch., **1**: 252 (*Sciophila*). Type-locality: Berlin.—Distr.: Europe: A, CS, D, DDR, F, PL, SF; USSR: WS.
- fuscata** (WINNERTZ, 1863): Verh. zool.-bot. Ges. Wien, **13**: 723 (*Sciophila*). Type-locality: not given (?Netherlands).—Distr.: Europe: A, GB, NL.
- gimmerthali** (LANDROCK, 1925): Wien. ent. Ztg., **42**: 181 (*Mycomya*, new name for *Sciophila fasciata* GIMMERTHAL, 1846, a junior primary homonym of *S. fasciata* ZETTERSTEDT, 1838).—Distr.: Europe: A, D, ?I, PL, S; USSR: CET (La, Li), TC (Ge).



- fasciata* (GIMMERTHAL, 1846): Zwölf neue Dipteren; zur Feier der 50 jähr. Doctor Jubiläum v. Fischer v. Waldheim: 9 (*Sciophila*). Type-locality: "Curland" (Latvian SSR).
- griseovittata* (ZETTERSTEDT, 1852): Dipt. Scand., 11: 4113 (*Sciophila*). Type-locality: "Oestre-Naes Vardaliae" (Norway).—Distr.: Europe: N.
- hebrardi* VÄISÄNEN et MATILE, 1980: Entomologiste, 36(4–5): 181 (*Mycomya*). Type-locality: Alpes-de-Haute-Provence, ravin Valplane, Pessièrre (France).—Distr.: Europe: A, F, I.
- helobia* (OSTROVERKHOVA, 1979): Fungus-gnats (Diptera, Mycetophiloidea) of Siberia: 68 (*Mycomyia*). Type-locality: Krasnojarskiy kray, Tungussko-Chunskij rayon, okr. pos. Vanavary (E Siberia, USSR).—Distr.: USSR: WS, ES, FE.
- heydeni* (PLASSMANN, 1970): Senckenberg. biol., 51(1–2): 90 (*Mycomyia*). Type-locality: not given (?Central Europe).—Distr.: Europe: D, S, SF.
- hians* (LUNDSTRÖM, 1912): Acta Soc. Fauna Flora fenn., 36(1): 12 (*Sciophila*). Type-locality: Kittilä (Finland).—Distr.: Europe: D, SF; USSR: CET (La).
- hiisi* VÄISÄNEN, 1979: Annl. ent. fenn., 45: 113 (*Mycomya*). Type-locality: Tenhola, Skogby (Finland).—Distr.: Europe: SF.
- hyalinata* (MEIGEN, 1830): Syst. Besch., 6: 295 (*Sciophila*). Type-locality: Aachen [D].—Distr.: Europe: A, CS, D, DK, F, GB, I, IRE, N, NL, PL, SF; USSR: NET (Rs), CET (Est, La), ES; Asia: Mongolia.
- incisurata* (ZETTERSTEDT, 1838): Insecta Lapp.: 859 (*Sciophila*). Type-locality: "Lapponia-Hernösand" (Sweden).—Distr.: Europe: A, CH, CS, D, E, F, GB, IRE, N, NL, PL, S, SF, YU; USSR: NET (Rs), CET (Est, La, Li, Rs), WS, ES; Asia: Iran.
- inflata* (OSTROVERKHOVA, 1979): Fungus-gnats (Diptera, Mycetophiloidea) of Siberia: 69 (*Mycomyia*). Type-locality: Krasnojarskiy kray, zapovednik Stolbi (E Siberia, USSR).—Distr.: USSR: WS, ES.
- intermissa* (PLASSMANN, 1984): NachrBl. bayer. Ent., 33: 44 (*Mycomyia*). Type-locality: Kefallinia, Enos-Gebirge (Greece).—Distr.: Europe: GR.
- interposita* (OSTROVERKHOVA, 1979): Fungus-gnats (Dipt., Mycetophiloidea) of Siberia: 70 (*Mycomyia*). Type-locality: Krasnojarskiy kray, Tungussko-Chunskij rayon, okr. pos. Vanavary (USSR).—Distr.: USSR: ES.
- karellica* VÄISÄNEN, 1979: Annl. ent. fenn., 45: 114 (*Mycomya*). Type-locality: Pielisjärvi, Koli (Finland).—Distr.: Europe: SF.
- kaurii* VÄISÄNEN, 1979: Annl. ent. fenn., 45: 111 (*Mycomya*). Type-locality: Kirkkonummi, Värans (Finland).—Distr.: Europe: SF.
- kingi* (EDWARDS, 1941): Entomologist's mon. Mag., 77: 27 (*Mycomyia*). Type-locality: Inverness, Aviemore (Great Britain).—Distr.: Europe: D, F, GB, N, S, SF.
- kuusamoensis* VÄISÄNEN, 1979: Annl. ent. fenn., 45: 114 (*Mycomya*). Type-locality: Kuusamo, Iivaara (Finland).—Distr.: Europe: SF.

- lambi** (EDWARDS, 1941): Entomologist's mon. Mag., **77**: 29 (*Mycomyia*). Type-locality: Inverness, Nethy Bridge (Great Britain).—Distr.: Europe: Andorra, GB, SF.
- lenticulata** (OSTROVERKHOVA, 1979): Fungus-gnats (Diptera, Mycetophiloidea) of Siberia: 70 (*Mycomyia*). Type-locality: Krasnojarskiy kray, zapovednik Stolbi [= Synzul] (USSR).—Distr.: USSR: ES.
- levis** (DZIEDZICKI, 1885): Pam. fizyogr., **5**(3): 17 (*Sciophila*). Type-locality: Galicia (Poland).—Distr.: Europe: PL, S, SF.
- lindrothi** (PLASSMANN, 1981): Ent. Scand. Suppl., **15**: 251 (*Mycomyia*). Type-locality: Tyrol. Glockner, Guttal (Austria).—Distr.: Europe: A.
- livida** (DZIEDZICKI, 1885): Pam. fizyogr., **5**(3): 22 (*Sciophila*). Type-locality: "Zaczernie" (Byelorussian SSR).—Distr.: Europe: CS, ?D, ?DDR. USSR: CET (By).
- maculata** (MEIGEN, 1804): Klass. Beschr., **1**: 101 (*Platyura*). Type-locality: not given (Germany).—Distr.: Europe: D, DK, N, NL, PL, S, SF; USSR: NET (Rs), CET (Est, La), WS, ES; Asia: Mongolia.  
*platyura* (FABRICIUS, 1805): Syst. antl.: 33 (*Tipula*). Type-locality: not given (?Central Europe).
- marginata** (MEIGEN, 1818): Syst. Beschr., **1**: 249 (*Sciophila*). Type-locality: "Oesterreich" (Austria).—Distr.: Europe: A, CS, D, DK, E, F (incl. Corse), GB, IRE, N, NL, PL, SF, YU; USSR: CET (Est, La, Li, Rs), WS, FE; Asia: Iran.  
*limbata* (WINNERTZ, 1863): Verh. zool.-bot. Ges. Wien, **13**: 716 (*Sciophila*). Type-locality: not given (?Germany).
- maura** (WALKER, 1856): Ins. Brit., Dipt., **3**: 42 (*Sciophila*). Type-locality: England.—Distr.: Europe: A, D, E, F (incl. Corse), GB, IRE, PL, SF, ?Faeroes; USSR: NET (Rs), CET (Est, La), ?WS.  
*lugubris* (WINNERTZ, 1863): Verh. zool.-bot. Ges. Wien, **13**: 738 (*Sciophila*). Type-locality: not given (?Germany).
- melania** (WINNERTZ, 1863): Verh. zool.-bot. Ges. Wien, **13**: 737 (*Sciophila*). Type-locality: not given (?Germany).—Distr.: Europe: A, ?D, DDR, E.
- melanoceras** (EDWARDS, 1924): Ent. Tidsskr., **45**: 162 (*Mycomyia*, as new name for *nigricornis*: LUNDSTRÖM). Type-locality: not given (?Finland).—Distr.: Europe: GB, SF; USSR: CET (La, ?Rs), WS, ES.  
*nigricornis*: LUNDSTRÖM, 1909: Acta Soc. Fauna Flora fenn., **32**(2): 11, a misidentification of *S. nigricornis* (ZETTERSTEDT, 1852).  
*melanoceros*: error.
- mituda** VÄISÄNEN, 1980: Notul. ent., **60**: 63 (*Mycomyia*). Type-locality: Kuustö [= Kaarina, Kuusisto] (Finland).—Distr.: Europe: SF.
- munda** (WINNERTZ, 1863): Verh. zool.-bot. Ges. Wien, **13**: 721 (*Sciophila*). Type-locality: not given (?Germany).—Distr.: Europe: ?D.
- nigriceps** (LOEW, 1873): Berl. ent. Z., **17**: 36 (*Sciophila*). Type-locality: not given ("Pannonia inferiori et confinibus Daciae regionibus").—Distr.: Europe: ?H, ?R.

- nitida** (ZETTERSTEDT, 1852): Dipt. Scand., **11**: 4119 (*Sciophila*). Type-localities: "Svecia"; "Helsingia in monte Harsfäsberget probe Kurland in paroecia Arbrå"; "Lapponia Lulensi; Jemtlandia ad Skalstugan" (Sweden); "Norvegia ad Suul" (Norway).—Distr.: Europe: N, S.
- noctivaga** (PLASSMANN, 1972): Senckenberg. biol., **53**(1–2): 91 (*Mycomyia*). Type-locality: Hoherodskopf, Vogelsberg (D).—Distr.: Europe: D, S.
- notabilis** (STAEGER, 1840): Naturh. Tidsskr., **3**: 272 (*Sciophila*). Type-locality: not given (?Denmark).—Distr.: Europe: A, D, DK, N, NL.
- notata** (ZETTERSTEDT, 1860): Dipt. Scand., **14**: 6557 (*Sciophila*). Type-locality: "Scania: in convalle Fogelsang" (Sweden).—Distr.: Europe: S.
- occultans** (WINNERTZ, 1863): Verh. zool.-bot. Ges. Wien, **13**: 719 (*Sciophila*). Type-locality: not given (?Germany).—Distr.: Europe: CS, D, NL, PL, SF; USSR: ?CET (Li), WS; Asia: Japan.
- ornata** (MEIGEN, 1818): Syst. Besch., **1**: 250 (*Sciophila*). Type-locality: not given (?Germany).—Distr.: Europe: A, CS, D, E, F (incl. Corse), GB, H, NL, PL, S, SF; USSR: NET (Rs), CET (Est, La, Li, Rs), WS, ES; Asia: Japan.
- pallens** (LOEW, 1873): Berl. ent. Z., **17**: 35 (*Sciophila*). Type-locality: not given ("Pannonia inferiori et confinibus Daciae regionibus").—Distr.: Europe: ?H, ?R.
- pallida** (WINNERTZ, 1863): Verh. zool.-bot. Ges. Wien, **13**: 711 (*Sciophila*). Type-locality: not given (?Germany).—Distr.: Europe: A, CS, D, PL.
- parva** (DZIEDZICKI, 1885): Pam. fizyogr., **5**(3): 13 (*Sciophila*). Type-locality: Wisniak (Byelorussian SSR).—Distr.: Europe: CS, D, F, GB, IRE, PL; USSR: CET (By).
- pectinifera** (EDWARDS, 1924): Ent. Tidsskr., **45**: 162 (*Mycomyia*, as new name for *nigricornis*: DZIEDZICKI). Type-locality: not given (?Eastern Europe).—Distr.: Europe: D, GB, PL, SF; USSR: CET (La).
- nigricornis*: DZIEDZICKI, 1885: Pam. fizyogr., **5**(3): Tab. VII: Figs 7–9, a misidentification of *Sciophila nigricornis* ZETTERSTEDT, 1852.
- prominens** (LUNDSTRÖM, 1913): Annl. hist.-nat. Mus. natn. hung., **11**: 306 (*Sciophila*). Type-locality: "Hungaria: Plitvica" (Yugoslavia).—Distr.: Europe: D, F, GB, ?IRE, PL, SF, YU.
- pseudoapicalis** (LANDROCK, 1925): Wien. ent. Ztg., **42**: 181 (*Mycomyia*, as new name for *apicalis*: DZIEDZICKI). Type-locality: not given (?Eastern Europe).—Distr.: Europe: ?CS, D, SF; USSR: ?CET, ES.
- apicalis*: DZIEDZICKI, 1885: Pam. fizyogr., **5**(3): Tab. VI: Figs 22–25, a misidentification of *Sciophila apicalis* WINNERTZ, 1863.
- pseudocinerascens** (STROBL, 1901): Jb. naturh. Landesmus. Kärnten, **47**: 11 (*Sciophila*). Type-locality: Kärnten, Napoleonwiese (Austria).—Distr.: Europe: A.
- abruptinervis* (STROBL, 1901): Jber. naturh. Landesmus. Kärnten, **47**: 11 (*Sciophila*, as var. of *pseudocinerascens*). Type-locality: Kärnten, Gesäuse (Austria).
- pseudocurvata** VÄISÄNEN, 1979: Annl. ent. fenn., **45**: 110 (*Mycomyia*). Type-locality: Vihti, Vihtijärvi (Finland).—Distr.: Europe: SF.

- pseudopulchella** (OSTROVERKHOVA, 1979): Fungus-gnats (Diptera, Mycetophiloidea) of Siberia: 72 (*Mycomyia*). Type-locality: Tomsk obl., Verhneketskii rayon, sr. tetshenie r. Orlovki (W Siberia, USSR).—Distr.: USSR: WS, ES.
- pulchella** (DZIEDZICKI, 1885): Pam. fizyogr., 5(3): 24 (*Sciophila*). Type-locality: "Zaczernie" (Byelorussian SSR).—Distr.: Europe: NL, PL, SF; USSR: NET (Rs), CET (La); Asia: Mongolia.
- punctata** (MEIGEN, 1804): Klass. Besch., 1: 102 (*Platyura*). Type-locality: not given (?Germany).—Distr.: Europe: CS, D, F (incl. Corse), GB, NL, SF; USSR: CET (La).
- unimaculata* (MACQUART, 1826): Mém., Soc. Sci. Agric. Lille, 1826: 99 (*Sciophila*). Type-locality: not given (?N France).
- recondita** (OSTROVERKHOVA, 1979): Fungus-gnats (Diptera, Mycetophiloidea) of Siberia: 73 (*Mycomyia*). Type-locality: Primorskiy kray, Sikhote-Alinskiy zapovednik, Ust-Serebrjanyj (USSR).—Distr.: USSR: FE.
- rivalis** (SANTOS ABREU, 1920): Mems R. Acad. Cienc. Artes Barcelona, 16(1): 33 (*Mycomyia*). Type-locality: "Isla de la Palma, en del Barranco del Rio" (Canary Is.).—Distr.: Canary Is.
- rosalba** HUTSON, 1979: Entomologist's mon. Mag., 114(1978): 131 (*Mycomyia*). Type-locality: N Yorks, Scargill (England).—Distr.: Europe: GB.
- ruficollis** (ZETTERSTEDT, 1852): Dipt. Scand., 11: 4121 (*Sciophila*). Type-locality: "Jemtlandia ad radicem alpis Mulfjellet" (Sweden).—Distr.: Europe: D, DDR, F, N, S, SF; USSR: NET (Rs), CET (Est, La).
- siebecki** (LANDROCK, 1912): Wien. ent. Ztg, 1912: 27 (*Sciophila*). Type-localities: "Adamstal" [= Adamov]; "Bilowitz" [= Bilovice] (Czechoslovakia).—Distr.: Europe: CS, D, SF; USSR: CET (La).
- sieberti** (LANDROCK, 1930): Stettin. ent. Ztg, 91: 255 (*Mycomyia*). Type-locality: not given (?Lithuanian SSR).—Distr.: USSR: CET (La, ?Li), FE.
- sororcula** (ZETTERSTEDT, 1852): Dipt. Scand., 11: 4110 (*Sciophila*). Type-localities: "Scania circa Lund"; "Gottlandiae ad Rohne et torugns"; "Nericia ad Kils Blacsksta"; "Helsingia ad diversorium Kålböle"; "Bottnia boreali ad villam Johannis Ro prope Tornea" (Sweden).—Distr.: Europe: S.
- spinicoxa** VÄISÄNEN, 1979: Annl. ent. fenn., 45: 109 (*Mycomyia*). Type-localities: Kuusamo, Juuma, Jäkälävuoma (Finland).—Distr.: Europe: SF.
- storai** VÄISÄNEN, 1979: Annl. ent. fenn., 45: 109 (*Mycomyia*). Type-locality: Pietarssari (Finland).—Distr.: Europe: SF.
- subarctica** VÄISÄNEN, 1979: Annl. ent. fenn., 45: 113 (*Mycomyia*). Type-locality: Rovaniemi, Pisavaara (Finland).—Distr.: Europe: SF.
- tantilla** (LOEW, 1869): Berl. ent. Z., 13: 140 (*Sciophila*). Type-locality: Nebraska (USA).—Distr.: Europe: SF; North America; ?Costa Rica.
- taurica** (STROBL, 1898): Mitt. naturw. Ver. Steierm., 34(1897): 283 (*Sciophila*). Type-localities: originally: "Wirthsgraben bei Hohentauern", "Grünerlen am Bösenstein" (Austria); [MORGE, 1977: Beitr. Ent., 24: 171: Winzgraben (Austria)].—Distr.: Europe: A.

- tenuis** (WALKER, 1856): Ins. Brit., Dipt., 3: 37 (*Sciophila*). Type-locality: England.—Distr.: Europe: A, CS, D, E, F (incl. Corse), GB, IRE, NL, PL, SF, YU; USSR: ?NET (Rs), CET (By, Est, La); Greenland.
- apicalis** (WINNERTZ, 1863): Verh. zool.-bot. Ges. Wien, 13: 759 (*Sciophila*). Type-locality: not given (?Germany).
- radoskowskii** (DZIEDZICKI, 1885): Pam. fizyogr., 5(3): 17 (*Sciophila*). Type-locality: "Zaczernie" (Byelorussian SSR).
- tridens** (LUNDSTRÖM, 1911): Annls hist.-nat. Mus. natn. hung., 9: 394 (*Sciophila*). Type-locality: Semmering (Austria).—Distr.: Europe: A, D, F, PL.
- trifida** (OSTROVERKHOVA, 1979): Fungus-gnats (Diptera, Mycetophiloidea) of Siberia: 73 (*Mycomyia*). Type-locality: Sikhote-Alinskiy zapovednik, Shanduj (USSR).—Distr.: USSR: FE.
- trilineata** (ZETTERSTEDT, 1838): Insecta Lapp.: 859 (*Sciophila*). Type-locality: "Lapponia: Ängermannia ad Hernösand" (Sweden).—Distr.: Europe: A, CS, D, DK, F, GB, IRE, N, PL, S, SF; USSR: CET (Est, La, Li), WS, FE; Asia: Japan.
- affinis** (STAEGER, 1840): Naturh. Tidsskr., 3: 274 (*Sciophila*). Type-locality: not given (Denmark).
- trivittata** (ZETTERSTEDT, 1838): Insecta Lapp.: 858 (*Sciophila*). Type-locality: "Kengis (Lapponia Tornensis)" (Sweden).—Distr.: Europe: CS, D, GB, N, PL, S, SF; USSR: CET (By, La, Li, Rs).
- marginata** (DZIEDZICKI, 1885): Pam. fizyogr., 5(3): 19 (*Sciophila*); a junior primary homonym of *S. marginata* MEIGEN, 1818. Type-localities: "Zazierze w gubernii Minskiej", "Zaczernie na Bialorusi w Gub. Mohilewskiej" (Byelorussian SSR).
- tumida** (WINNERTZ, 1863): Verh. zool.-bot. Ges. Wien, 13: 727 (*Sciophila*). Type-locality: not given (?Germany).—Distr.: Europe: A, CS, D, F, GB, H, NL, PL, SF.
- tungusica** (OSTROVERKHOVA, 1979): Fungus-gnats (Diptera Mycetophiloidea) of Siberia: 74 (*Mycomyia*). Type-locality: Krasnojarskiy kray, Tungusko-Chunskij rayon, pos. Vanavara (E Siberia, USSR).—Distr.: USSR: ES, FE.
- vittiventris** (ZETTERSTEDT, 1852): Dipt. Scand., 11: 4111 (*Sciophila*). Type-locality: "Helsingia ad diversorium Ytter-Hogdal" (Sweden).—Distr.: Europe: A, D, GB, N, S, SF; USSR: CET (La), ES.
- elegans** (LUNDSTRÖM, 1912): Acta Soc. Fauna Flora fenn., 36(1): 11 (*Sciophila*). Type-localities: Kittilä; Muonio (Finland).
- wankowiczii** (DZIEDZICKI, 1885): Pam. fizyogr., 5(3): 26 (*Sciophila*). Type-localities: "Zazierze w gubernii Minskiej" (Byelorussian SSR); Galicia (Poland).—Distr.: Europe: CS, D, GB, IRE, NL, PL, S, SF; USSR: CET.
- winnertzi** (DZIEDZICKI, 1885): Pam. fizyogr., 5(3): 26 (*Sciophila*, new name for *fasciata*: WINNERTZ). Type-locality: Krefeld [D].—Distr.: Europe: A, CS, D, F (incl. Corse), GB, IRE, NL, PL, S, SF, YU; USSR: CET (La), TC (Ge), ?FE (Kamchatka); Asia: ?Japan; India.

- fasciata*: WINNERTZ, 1863: Verh. zool.-bot. Ges. Wien, **13**: 720, a mis-identification of *Sciophila fasciata* ZETTERSTEDT, 1838.  
**wrzesniowski** (DZIEDZICKI, 1885): Pam. fizyogr., **5**(3): 12 (*Sciophila*). Type-locality: "Zaczernie" (Byelorussian SSR).—Distr.: Europe: Germany, F, ?GB, SF; USSR: CET (By, La).

### Doubtful species

- annulata* (MEIGEN, 1818): Syst. Besch., **1**: 247 (*Sciophila*). Type-locality: not given (?Germany) [probably a senior synonym of *M. incisurata* (ZETTERSTEDT, 1838)].  
*ferruginea* (MEIGEN, 1818): Syst. Besch., **1**: 249 (*Sciophila*). Type-locality: not given (?Central Europe) [probably a senior synonym of *M. wankowiczii* (DZIEDZICKI, 1885)].  
*melanogaster* (ZETTERSTEDT, 1852): Dipt. Scand., **11**: 4112 (*Sciophila*). Type-locality: "Jemtlandia ad diversorium Åsarne" (Sweden) [probably a synonym of *M. vittiventris* (ZETTERSTEDT, 1852)].  
*melanogastra*: emend.  
*nava* (PLASSMANN, 1977): NachrBl. bayer. Ent., **26**(2): 30 (*Mycomyia*). Type-locality: "Birgsau, südlich von Oberstdorf im Stillachtal" (D) [probably a junior synonym of *M. pectinifera* EDWARDS, 1924].  
*nigricornis* (ZETTERSTEDT, 1852): Dipt. Scand., **11**: 4125 (*Sciophila*). Type-localities: "Helsingia ad diversoria Löfvik et Kalböle"; "Jemtlandia ad Faxelfven et Mulfjellet" (Sweden) [probably a junior synonym of *M. ornata* (MEIGEN, 1818)].  
*penicillata* (DZIEDZICKI, 1885): Pam. fizyogr., **5**(3): 15 (*Sciophila*). Type-locality: Galicia (Poland) [probably a junior synonym of *M. maura* (WALKER, 1856)].  
*pennicillata*: error.  
*univittata* (ZETTERSTEDT, 1838): Insecta Lapp.: 859 (*Sciophila*). Type-localities: "Lapponia Umensi; ad Lycksele" (Sweden) [probably a synonym of *M. trilineata* (ZETTERSTEDT, 1838)].

### Neoempheria OSTEN SACKEN, 1878

- OSTEN SACKEN, 1878: Smithson. misc. Collns, **270**: 9, new name for *Empheria* WINNERTZ, 1863, a junior homonym of *Empheria* HAGEN, 1856.  
 Type-species: *Sciophila striata* MEIGEN, 1818: Syst. Besch., **1**: 246 (des. COQUILLET, 1910: Proc. U.S. natn. Mus., **37**: 574).  
*Empheria* WINNERTZ, 1863: Verh. zool.-bot. Ges. Wien, **13**: 739 (without type-species).  
*Mycomyia*: authors, not RONDANI, 1856.  
**bimaculata** (VON ROSER, 1840): CorrespBl. württ. landw. Ver. Stuttg. (N.S.), **17**(1): 51 (*Sciophila*). Type-locality: not given (?Württemberg).—Distr.: Europe: A, D, F, GB, NL, PL.  
*formosa* (WINNERTZ, 1863): Verh. zool.-bot. Ges. Wien, **13**: 749 (*Empheria*). Type-locality: not given (?Germany).  
**brevilineata** OKADA, 1939: J. Fac. Agric. Hokkaido (imp.) Univ., **42**(4): 300 (*Neoempheria*). Type-locality: Shikotsuko (Japan).—Distr.: Asia: Japan.  
**ferruginea** (BRUNETTI, 1912): Fauna of India, Nematocera: 74 (*Mycomyia*). Type-locality: Kurseong, Darjiling (India).—Distr.: Asia: Japan, China (Manchuria); India.

- griseipennis** STROBL, 1910: Mitt. naturw. Ver. Steierm., **46**(1909): 241 (*Neoempheria*). Type-locality: "Rott. Tauern" (Austria).—Distr.: Europe: A.
- insignis** (WINNERTZ, 1863): Verh. zool.-bot. Ges. Wien, **13**: 741 (*Empheria*). Type-locality: not given; PLASSMANN, 1970: Senckenberg. biol., **51**(1–2): 91: Frankfurt a. M. (D).—Distr.: Europe: D.
- lineola** (MEIGEN, 1818): Syst. Besch., **1**: 246 (*Sciophila*). Type-locality: not given (?Central Europe).—Distr.: Europe: A, CS, D, ?DDR, DK, GB, H, PL, S, YU; Asia: Japan.
- ornata** OKADA, 1938: Insecta matsum., **12**: 137 (*Neoempheria*). Type-locality: Manchuria, Anto (China).—Distr.: Asia: Japan, China (Manchuria).
- pictipennis** (HALIDAY, 1833): Ent. Mag., **1**: 156 (*Sciophila*). Type-locality: Devonshire (Great Britain).—Distr.: Europe: A, D, GB, IRE, PL, SF; USSR: CET (Est, La); Asia: Japan.
- proxima** (WINNERTZ, 1863): Verh. zool.-bot. Ges. Wien, **13**: 740 (*Empheria*). Type-locality: not given; PLASSMANN, 1970: Senckenberg. biol., **51**(1–2): 91: Frankfurt a. M. (D).—Distr.: Europe: D, I.
- striata** (MEIGEN, 1818): Syst. Besch., **1**: 246 (*Sciophila*). Type-locality: not given (?Germany).—Distr.: Europe: CS, D, DK, F, NL, S, SF; USSR: CET (Est, La, Li), ES.
- tarsata** (WINNERTZ, 1863): Verh. zool.-bot. Ges. Wien, **13**: 744 (*Empheria*). Type-locality: not given (?Leningrad, USSR).—Distr.: USSR: CET (Rs).
- tuomikoskii** VÄISÄNEN, 1982: Notul. ent., **62**: 4 (*Neoempheria*). Type-locality: Vihti, Vihtijärvi (Finland).—Distr.: Europe: SF.
- winnertzi** EDWARDS, 1913: Trans. R. ent. Soc. Lond., **1913**: 356 (*Neoempheria*). ("n. name" for *pictipennis*: WINNERTZ, 1863). Type-locality: not given (?Germany).—Distr.: Europe: D, F, GB; USSR: CET (Est, La); Asia: Iran.
- pictipennis*: WINNERTZ, 1863: Verh. zool.-bot. Ges. Wien, **13**: 724 (*Empheria*), a misidentification of *Sciophila pictipennis* HALIDAY, 1833.

### Tribe Sciophilini

By L. MATILE

#### **Acnemia** WINNERTZ, 1863

WINNERTZ, 1863: Verh. zool.-bot. Ges. Wien, **13**: 798.

Type-species: *Leia nitidicollis* MEIGEN, 1818: Syst. Besch., **1**: 255 (des. JOHANNSEN, 1909: Mycetophilidae in WYTSMAN: Genera Insectorum, Fasc. **93**: 63).

- amoena** WINNERTZ, 1863: Verh. zool.-bot. Ges. Wien, **13**: 800 (*Acnemia*). Type-locality: "Sammlung des Herrn Senators von Heyden in Frankfurt am Main": (?district of Frankfurt) [D].—Distr.: Europe: A, D, F, GB, H; USSR: CET (La), SET (Uk: Crimea); Japan (Hokkaido).
- aino* OKADA, 1939: J. Fac. Agric. Hokkaido (imp.) Univ., **42**: 307 (*Acnemia*, as form of *amoena*). Type-localities: Uriu and Shikotsuko, Hokkaido (Japan).
- braueri** STROBL, 1895: Mitt. naturw. Ver. Steierm., **31**(1894): 153 (*Acnemia*). Type-locality: Kematenbachschlucht bei Admont, Styria (Austria).—Distr.: Europe: A; Asia: Japan.
- longipes** WINNERTZ, 1863: Verh. zool.-bot. Ges. Wien, **13**: 801 (*Acnemia*). Type-locality: not given (?Krefeld) [D].—Distr.: Europe: D, GB, IRE, PL; USSR: CET (Est, La); Asia: China (Manchuria), Japan.
- nigra** STROBL, 1895: Mitt. naturw. Ver. Steierm., **31**(1894): 152 (*Acnemia*). Type-locality: Scheibleggerhochwald, Styria (Austria).—Distr.: Europe: A.
- nitidicollis** (MEIGEN, 1818): Syst. Besch., **1**: 255 (*Leia*). Type-locality: not given (?Stolberg) [D].—Distr.: Europe: widely distributed; USSR: CET (Rs, Est, La), SET (Uk: Crimea); Asia: Japan (Honshu).

### Allocotocera Mik, 1886

- MIK, 1886: Wien. ent. Ztg, **5**: 102, new name for *Eurycera* DZIEDZICKI, 1885.  
Type-species: *Eurycera flava* DZIEDZICKI, 1885: Pam. fizyogr., **5**: 167, a junior homonym of *Eurycera* DE LAPORTE, 1883 (aut.) [= *pulchella* (CURTIS, 1837)]
- Eurycera* DZIEDZICKI, 1885: Pam. fizyogr., **5**(3): 166. Type-species: *Eurycera flava* DZIEDZICKI, 1885: l.c.: 167 (mon.) [= *pulchella* (CURTIS, 1837)].
- Euryceras* MARSHALL, 1896: Trans. N.Z. Inst., **28**(1895): 291. Type-species: *Eurycera anaclinoides* MARSHALL, 1896: l.c.: 292 (mon.); not Palaearctic.
- pulchella** (CURTIS, 1837): Brit. Ent., **14**: 645 (*Leia*). Type-locality: Turk Mountain, near Killarney (Ireland).—Distr.: Europe: D, F, GB, IRE, NL, SF; USSR: CET (Rs, La, Est, By), FE (Kuril Is.); Asia: Japan (Hokkaido); *flava* (DZIEDZICKI, 1885): Pam. fizyogr., **5**(3): 167 (*Eurycera*). Type-localities: district of Mogilev, Byelorussian SSR, and of Minsk, Latvian SSR (USSR).
- silacea** (VAN DER WULP, 1887): Tijdschr. Ent., **30**: 166 (*Boletina*). Type-locality: Rijen (Netherlands).



**Anaclileia** MEUNIER, 1904

MEUNIER, 1904: Mon. Cecid. Sciar. Mycet. Chiron. Ambre Balt.: 146.

Type-species: *Anaclileia anacliformis* MEUNIER, 1904: l.c.: 146 (des. JOHANNSEN, 1909: Mycetophilidae in WYTSMAN: Genera Insectorum, Fasc. 93: 70).

*Paraneurotelia* LANDROCK, 1911: Wien. ent. Ztg, 30: 161. Type-species: *Paraneurotelia dziedickii* LANDROCK, 1911: l.c.: 161 (orig. des.).

**dispar** (WINNERTZ, 1863): Verh. zool.-bot. Ges. Wien, 13: 777 (*Boletina*). Type-locality: not given (?Krefeld) [D].—Distr.: Europe: A, CS, D, DK, F, GB, H, IRE, NL.

**dziedzickii** (LANDROCK, 1911): Wien. ent. Ztg, 30: 161 (*Paraneurotelia*). Type-locality: Bilowitz bei Brünn [= Brno] (Czechoslovakia).—Distr.: Europe: CS, F.

**Azana** WALKER, 1856

WALKER, 1856: Ins. Brit., Dipt., 3: 26.

Type-species: *Azana scatopsoides* WALKER, 1856: l.c.: 26 (mon.) [= *anomala* (STAEGER, 1840)].

**anomala** (STAEGER, 1840): Naturh. Tidsskr., 3: 238 (*Boletina*). Type-locality: not given (Denmark).—Distr.: Europe: widely distributed; USSR: NET, CET, SET (Uk: Crimea); North Africa: Algeria.

*altera* BECKER, 1907: Z. syst. Hymenopt. Dipterol., 7: 234 (*Azana*). Type-locality: Algier (Algeria).

*flavohalterata* STROBL in CZERNY and STROBL, 1909: Verh. zool.-bot. Ges. Wien, 59: 129 (*Azana*, as var. of *anomala*). Type-locality: Montserrat (Spain).

*nigricoxa* STROBL, 1898: Glasn. zemalj. Mus. Bosni Herceg., 10: 600 (*Azana*, as var. of *anomala*). Type-locality: Jablanica, Hohlweg (Yugoslavia).

*scatopsoides* WALKER, 1856: Ins. Brit., Dipt., 3: 26 (*Azana*). Type-locality: England (Great Britain).

**palmensis** SANTOS ABREU, 1920: Mem. R. Acad. Cienc. Artes Barcelona, 16(1): 45 (*Azana*). Type-locality: Barranco del Río, Is. de la Palma (Canary Is.).—Distr.: Canary Is.

**Baeopterogyna** VOCKEROTH, 1972

VOCKEROTH, 1972: Can. Ent., 104: 1529.

Type-species: *Baeopterogyna nudipes* VOCKEROTH, 1972: l.c.: 1532 (orig. des.); not Palaearctic.

- mihalyii** MATILE, 1975: Cah. OSTROM, (N.S.), 29(1973): 87 (*Baeopterogyna*).  
Type-locality: Dobogókő (Hungary).—Distr.: Europe: H.

### **Eudicrana** LOEW, 1869

LOEW, 1869: Berl. Ent. Z., 13: 142

Type-species: *Eudicrana obumbrata* LOEW, 1869: l.c.: 141 (mon.); not Palaeartic.

- affinis** OKADA, 1938: Tenthredo, 2(1): 38 (*Eudicrana*). Type-locality: Kyoto, Honshu (Japan).—Distr.: Asia: Japan.  
**nigriceps** (LUNDSTRÖM, 1909): Acta Soc. Fauna Flora fenn., 32(2): 15 (*Neoempheria*). Type-locality: Lojo, Nylandia (Finland).—Distr.: Europe: GB, SF; USSR: CET (Est).

### **Leptomorphus** CURTIS, 1831

CURTIS, 1831: Brit. Ent., 8: 365.

Type-species: *Leptomorphus walkeri* CURTIS, 1831: l.c.: 365 (orig. des.).

*Lepitomorphus* OKADA, 1936: lapsus.

*Diomonus* WALKER, 1848: see below as subgenus.

#### Subgenus DIOMONUS WALKER, 1848

WALKER, 1848: List. Dipt. Brit. Mus., 1: 87 (as genus).

Type-species: *Diomonus nebulosus* WALKER, 1848: l.c.: 87 (mon.); not Palaeartic.

- panorpiformis** (MATSUMURA, 1915): Konchu Bunruigaku, 2: 54 (*Mycomyia*). Type-locality: Sapporo, Hokkaido (Japan).—Distr.: USSR: FE; Asia: Japan.  
**esakii** (ALEXANDER, 1924): Insecutor Inscit. menstr., 12: 54 (*Diomonus*). Type-locality: Yumoto, Shimotsuke-no-kuni, Honshu (Japan).

#### Subgenus LEPTOMORPHUS CURTIS, 1831

- babai** SASAKAWA, 1961: Kontyû, 29: 187 (*Leptomorphus*). Type-locality: Kurokawa, Echigo, Honshu (Japan).—Distr.: Asia: Japan (Honshu).  
**quadrinaculatus** (MATSUMURA, 1916): Thousand Ins. Japan, Add. 2: 440 (*Boletina*). Type-locality: Hokkaido (Japan).—Distr.: Europe: H; USSR: CET, FE (Kuril. Is.); Asia: Japan.  
*forcipatus* LANDROCK, 1918: Wien. ent. Ztg, 37: 107 (*Leptomorphus*, as var. of *walkeri* CURTIS). Type-locality: Hungary.

**walkeri** CURTIS, 1931: Brit. Ent., **8**: 365 (*Leptomorphus*). Type-locality: not given (Great Britain).—Distr.: Europe: widely distributed; USSR: CET (La); USA.

**apicalis** (VON ROSER, 1840): CorrespBl. württ. landw. Ver. Stuttg. (N.S.) **17**(1): 51 (*Leia*). Type-locality: not given (Württemberg).

### **Megalopelma** ENDERLEIN, 1911

ENDERLEIN, 1911: Stettin. ent. Ztg, **72**: 165.

Type-species: *Megalopelma planiceps* ENDERLEIN, 1910: l.c.: 166 (orig. des.); not Palaearctic.

**nigroclavatus** (STROBL, 1909): Mitt. naturw. Ver. Steierm., **46**: 244 (*Lasiosoma*).

Type-locality: Lichtmessberge bei Admont, Styria (Austria).—Distr.: Europe: A, GB, I, IRE, SF; USSR: CET (Rs, Est).

**jenkinsoni** (EDWARDS, 1913): Trans. R. ent. Soc. London, **1913**: 359 (*Sciophila*). Type-locality: Aldenham, Salop (Great Britain).

### **Monoclona** MIK, 1886

MIK, 1886: Wien. ent. Ztg, **5**: 279, new name for *Staegeria* VAN DER WULP, 1876; a junior homonym of *Staegeria* RONDANI, 1856.

Type-species: *Sciophila halterata* STAEGER, 1840: Naturh. Tidsskr., **3**: 275 (aut.) [= *rufilatera* (WALKER, 1837)].

*Staegeria* VAN DER WULP, 1876: Tijdschr. Ent., **19**: XLIX. Type-species: *Sciophila halterata* STAEGER, 1840: Naturh. Tidsskr., **3**: 275 (mon.) [= *rufilatera* WALKER, 1837)].

**atrata** STROBL, 1898: Glasn. zemalj. Mus. Bosni Herceg., **10**: 597 (*Monoclona*).

Type-locality: Jablanica, Hohlweg (Yugoslavia).—Distr.: Europe: YU.

**forcipata** STROBL, 1909: Mitt. naturw. Ver. Steierm. **46**: 243 (*Monoclona*). Type-locality: Bergwäldern um Admont, Styria (Austria).—Distr.: Europe: A, F; USSR: CET; Asia: Japan (Kyushu).

**mikii** KERTÉSZ, 1898: Wien. ent. Ztg, **27**: 293 (*Monoclona*). Type-locality: Turcsek, Com. Túrócz (Czechoslovakia).—Distr.: Europe: CS.

**rufilatera** (WALKER, 1837): Ent. Mag., **4**: 115 (*Sciophila*). Type-locality: "Near London" (Great Britain).—Distr.: Europe: widely distributed; USSR: CET (Rs, By).

**halterata** (STAEGER, 1840): Naturh. Tidsskr., **3**: 275 (*Sciophila*). Type-locality: not given (Denmark).

**unicornuta** (DZIEDZICKI, 1884): Pam. fizyogr., **4**: 318 (*Staegeria*). Type-locality: Zaczernie, Lithuania (USSR).

**Neuratelia RONDANI, 1856**

RONDANI, 1856: Dipt. Ital. Prodrumus, **1**: 195.

Type-species: *Mycetophila nemoralis* MEIGEN, 1818: Syst. Besch., **1**: 265 (orig. des.).

*Anaclinia* WINNERTZ, 1863: Verh. zool.-bot. Ges. Wien, **13**: 770. Type-species:

*Mycetophila nemoralis* MEIGEN, 1818: Syst. Besch., **1**: 265 (mon.).

*Neuratelia*: authors, unjustified emendation.

**femorata** OKADA, 1937: Mushi, **9**: 73 (*Neuratelia*). Type-locality: Kyushu (Japan).—Distr.: Asia: Japan.

**minor** (LUNDSTRÖM, 1912): Anns hist.-nat. Mus. natn. hung., **10**: 517 (*Anaclinia*). Type-locality: "Mehádia, Hungary" (Roumania).—Distr.: Europe: F, R; USSR: CET (Rs), SET (Uk: Crimea).

**nemoralis** (MEIGEN, 1818): Syst. Besch., **1**: 265 (*Mycetophila*). Type-locality: not given (?Stolberg) [D].—Distr.: Europe: widely distributed; USSR: CET (Rs, Est, La), FE (Kuril Is.); Asia: China, Japan; Canada, USA.

*elongata* (WALKER, 1848): List Dipt. Brit. Mus., **1**: 87 (*Leptomorphus*). Type-locality: "England" (Great Britain).

**nigricornis** EDWARDS, 1941: Entomologist's mon. Mag., **77**: 31 (*Neuratelia*). Type-locality: Crowborough, Sussex (Great Britain).—Distr.: Europe: B, D, F, GB, IRE.

**sintenisi** LACKSCHEWITZ, 1937: Arb. NatForschVer. Riga (N.F.), **21**: 13 (*Neuratelia*). Type-locality: Audru, Herrenwald, Estonian SSR (USSR).—Distr.: USSR: CET (Est).

**spinosa** MATILE, 1974: Entomologiste, **30**(1): 31 (*Neuratelia*). Type-locality: Pineta forest, Zipitoli, Corsica (France).—Distr.: Europe: F (Corsica).

**Paratinia MIK, 1874**

MIK, 1874: Verh. zool.-bot. Ges. Wien, **24**: 333.

Type-species: *Paratinia sciarina* MIK, 1874: l.c.: 331 (mon.).

**difficilis** DZIEDZICKI, 1885: Pam. fizyogr., **5**(3): 169 (*Paratinia*). Type-locality: Zaczernie, Lithuania (USSR).—Distr.: USSR: CET (La, By).

**montana** PLASSMANN, 1976: Senckenberg. biol., **57**(1/3): 69 (*Paratinia*). Type-locality: Dongoserun-Baksan, Central Caucasus (USSR).—Distr.: USSR: SET (Caucasus).

**sciarina** MIK, 1874: Verh. zool.-bot. Ges. Wien, **24**: 331 (*Paratinia*). Type-locality: Freidstadt, Oberösterreich (Austria).—Distr.: Europe: A, CS, D, F, GB; USSR: CET.

**Phthinia** WINNERTZ, 1863

WINNERTZ, 1863: Verh. zool.-bot. Ges. Wien, **13**: 779.

Type-species: *Phthinia humilis* WINNERTZ, 1863: l.c.: 780 (des. JOHANNSEN, 1909: Mycetophilidae, in WYTSMAN: Genera Insectorum, Fasc. **93**: 83).

**gracilis** WINNERTZ, 1863: Verh. zool.-bot. Ges. Wien, **13**: 781 (*Phthinia*). Type-locality: not given ("Im königl. Museum zu Berlin") (?district of Berlin).—Distr.: Europe: ?DDR or ?D.

**humilis** WINNERTZ, 1863: Verh. zool.-bot. Ges. Wien, **13**: 780 (*Phthinia*). Type-locality: not given (?Krefeld) [D].—Distr.: Europe: widely distributed; USSR: CET (Est, La); Asia: Japan (Honshu).

**spinosa** SASAKAWA, 1961: Kontyû, **29**: 189 (*Phthinia*). Type-locality: Kurokawa, Echigo, Honshu (Japan).—Distr.: Asia: Japan (Honshu).

**tipulaeformis** OKADA, 1939: J. Fac. Agric. Hokkaido (imp.) Univ., **42**: 306 (*Phthinia*). Type-locality: Sapporo, Hokkaido (Japan).—Distr.: Asia: Japan (Hokkaido).

**winnertzi** MIK, 1869: Verh. zool.-bot. Ges. Wien, **19**: 22 (*Phthinia*). Type-locality: Görz (Austria).—Distr.: Europe: A, CS, D, F, GB, IRE, PL; USSR: CET (La).

**Polylepta** WINNERTZ, 1863

WINNERTZ, 1863: Verh. zool.-bot. Ges. Wien, **13**: 745.

Type-species: *Polylepta undulata* WINNERTZ, 1863: l.c.: 746 (des. JOHANNSEN, 1909: Mycetophilidae in WYTSMAN: Genera Insectorum, Fasc., **93**: 43) [= *guttiventris* (ZETTERSTEDT, 1852)].

**borealis** LUNDSTRÖM, 1912: Acta Soc. Fauna Flora fenn., **36**(1): 13 (*Polylepta*). Type-localities: "Woroninsk, Lapponia tulomensis (USSR) and Muonio, Lapponia kemensis" (Finland).—Distr.: Europe: D, SF; USSR: NET (Rs), CET (Rs, La).

**guttiventris** (ZETTERSTEDT, 1852): Dipt. Scand., **11**: 4363 (*Sciophila*). Type-locality: "Ostrogothiae paroec. Nykyrka" (Sweden).—Distr.: Europe: widely distributed; USSR: CET (Rs, Est, La).

**undulata** WINNERTZ, 1863: Verh. zool.-bot. Ges. Wien., **13**: 746 (*Polylepta*). Type-localities: "In der Sammlung des Hrn. Baron von Osten-Sacken in Petersburg." and Crefeld (D).

**flava** GRZEGORZEK, 1885: Berl. ent. Ztg, **29**: 204 (*Polylepta*). Type-locality: not given (Central Europe).

**major** LANDROCK, 1923: Wien. ent. Ztg, **40**(5–10): 168 (*Polylepta*, as var. of *undulata* WINNERTZ). Type-locality: "Mähr. Schweiz" (Czechoslovakia).

**splendida** WINNERTZ, 1863: Verh. zool.-bot. Ges. Wien, **13**: 747 (*Polylepta*). Type-locality: not given ("In der Sammlung des Herrn Senator von Heyden in

Frankfurt am Main") (?district of Frankfurt) [D].—Distr.: Europe: D, H, SF.

**zonata** (ZETTERSTEDT, 1852): Dipt. Scand., **11**: 4136 (*Sciophila*). Type-locality: "Gottlandia ad Westö in paroecia Hall" (Sweden).—Distr.: Europe: S.

### **Sciophila** MEIGEN, 1818

MEIGEN, 1818: Syst. Besch., **1**: 245.

Type-species: *Sciophila hirta* MEIGEN, 1818: l.c.: 251 (des. CURTIS, 1837: Brit. Ent., **13**: pl. 641).

*Lasiosoma* WINNERTZ, 1863: Verh. zool.-bot. Ges. Wien, **13**: 748. Type-species: *Sciophila pilosa* MEIGEN, 1838: Syst. Besch., **7**: 42 (des. COQUILLET, 1910: Proc. U.S. natn. Mus., **12**: 558) [= *hirta* MEIGEN, 1818].

**adamsi** EDWARDS, 1925: Trans. R. ent. Soc. Lond. (B), **1924**: 563 (*Sciophila*). Type-locality: New Forest (Great Britain).—Distr.: Europe: D, GB, S, SF.

**buxtoni** FREEMAN, 1956: Proc. R. ent. Soc. Lond. (B), **25**: 26 (*Sciophila*). Type-locality: Gerrard's Cross, Bucks. (Great Britain).—Distr.: Europe: GB.

**cincta** (WINNERTZ, 1863): Verh. zool.-bot. Ges. Wien, **13**: 760 (*Lasiosoma*). Type-locality: not given ("Im königlichen Museum zu Berlin") (?district of Berlin).—Distr.: Europe: ?DDR or ?D; Asia: Iran (Guilan).

**clifton** EDWARDS, 1925: Trans. R. ent. Soc. London, **1924**: 562 (*Sciophila*). Type-locality: "probably from the London district" (Great Britain).—Distr.: Europe: GB, H; USSR: CET (Rs), WS.

**cornuta** ZAITZEV, 1981: Ent. Obozr., **60**: 398 (*Sciophila*). Type-localities: "Primorskiy kray, s. Sokoltschi"; "Burjatia, g. Babuschkin" (USSR).—Distr.: USSR: ES, FE.

**dziedzickii** EDWARDS, 1924: Ent. Tidskr., **45**: 165 (*Sciophila*, new name for *Lasiosoma thoracica* DZIEDZICKI, 1915, a junior secondary homonym of *Sciophila thoracica* STAEGER, 1840).—Distr.: Europe: D, F, SF.

*thoracica* (DZIEDZICKI, 1915): Wydaw. Tow. nauk. Warsz. III.—Wydz. nauk Mat. Przyrod., **1915**: pl. 5, fig. 68, 69, 70 (*Lasiosoma*). Type-locality: not given (?Krefeld) [D].

**fenestella** CURTIS, 1837: Brit. Ent., **14**: 641 (*Sciophila*). Type-locality: Lesson Grave (Great Britain).—Distr.: Europe: GB, SF; USSR: CET (Rs, Est, La).

**fridolini** STACKELBERG, 1943: Proc. R. ent. Soc. Lond. (B), **12**: 170 (*Sciophila*). Type-locality: Chibinä, Kola Peninsula (USSR).—Distr.: Europe: GB; USSR: NET (Kola Peninsula).

**fuliginosa** HOLMGREN, 1883: Ent. Tidsskr., **4**: 189 (*Sciophila*). Type-locality: Matotschkin Scharr, Novaya Zemlya (USSR).—Distr.: USSR: NET (Novaya Zemlya), ES (Taymir Peninsula).

**geniculata** ZETTERSTEDT, 1838: Insecta Lapp.: 860 (*Sciophila*). Type-locality: "Lapponia umensi . . . tantum Åsele" (Sweden).—Distr.: Europe: F, GB, N, S, SF; USSR: CET (Est, La).

- hebes** JOHANNSEN, 1912: Bull. Me agric. Exp. Stn, **200**: 139 (*Sciophila*). Type-localities: Kingston; Lawrence (USA).—Distr.: USSR: FE; USA.
- hirta** MEIGEN, 1818: Syst. Besch., **1**: 251 (*Sciophila*). Type-locality: not given (“Vom Hrn. Grafen von Hoffmannsegg”) (?Austria).—Distr.: Europe: widely distributed; USSR: CET (Rs, Est, La), NET (Novaya Zemlya); Canary Is.; Greenland; USA.
- pilosa** MEIGEN, 1838: Syst. Besch., **7**: 42 (*Sciophila*). Type-locality: not given (?Stolberg) [D].
- rubida** SANTOS ABREU, 1920: Mem. R. Acad. Cienc. Artes Barcelona, **16**(1): 31 (*Sciophila*, as var. of *pilosa*). Type-locality: Barranco del Río, Is. de la Palma (Canary Is.).
- pilosula** ZETTERSTEDT, 1838: Insecta Lapp.: 860 (*Sciophila*). Type-locality: “Lapponia umensi” (Sweden).
- insolita** SANTOS ABREU, 1920: Mem. R. Acad. Cienc. Artes Barcelona, **16**(1): 24 (*Sciophila*). Type-locality: Barranco del Río, Is. de la Palma (Canary Is.).—Distr.: Canary Is.
- interrupta** (WINNERTZ, 1863): Verh. zool.-bot. Ges. Wien, **13**: 750 (*Lasiosoma*). Type-locality: not given (?Krefeld) [D].—Distr.: Europe: A, D, GB; USSR: CET.
- limbatella** ZETTERSTEDT, 1852: Dipt. Scand., **11**: 4130 (*Sciophila*). Type-localities: “Ostrogothia ad Villam Larketorp...in Jemtlandia ad diversorium Skaltugan...” (Sweden).—Distr.: Europe: F, GB, S, SF; USSR: CET (Rs, Est).
- sharpi** EDWARDS, 1913: Trans R. ent. Soc. Lond., **1913**: 358 (*Sciophila*). Type-locality: Nethy Bridge, Inverness (Great Britain).
- lutea** MACQUART, 1826: Mém. Soc. Sci. Agric. Lille, **1823–1824**: 100 (*Sciophila*). Type-locality: “Nord de la France” (France).—Distr.: Europe: widely distributed; USSR: NET, CET (Rs, Est, La), WS; Asia: China (Manchuria), Japan (Hokkaido); North Africa: Algeria.
- analis** (WINNERTZ, 1863): Verh. zool.-bot. Ges. Wien, **13**: 752 (*Lasiosoma*). Type-locality: not given (?Krefeld) [D].
- flavipennis** VON ROSER, 1840: CorrespBl. württ. landw. Ver. Stuttg. (N.S.), **17**(1): 51 (*Sciophila*). Type-locality: not given (Württemberg).
- mirabilis** PLOTNIKOVA, 1962: Ent. Obozr., **41**(4): 879 (*Sciophila*). Type-locality: district of Tomsk, Western Siberia (USSR).—Distr.: USSR: WS.
- nigronitida** LANDROCK, 1925: Wien. ent. Ztg, **42**: 181 (*Sciophila*, new name for *Lasiosoma nigra* LANDROCK, 1912, a junior secondary homonym of *S. nigra* MACQUART, 1826). Type-locality: “Livland” (USSR).—Distr.: Europe: F, GB, IRE, NL, SF; USSR: CET (Est, La).
- nigra** (LANDROCK, 1912): Wien. ent. Ztg, **31**: 275 (*Lasiosoma*). Type-locality: “Livland” (USSR).
- nonnisilva** HUTSON, 1979: Entomologist’s mon. Mag., **114**: 143 (*Sciophila*). Type-locality: Monks Wood, Hunts, England (Great Britain).—Distr.: Europe: GB.

- ochracea** WALKER, 1856: Ins. Brit., Dipt., 3: 41 (*Sciophila*); a junior primary homonym of *Sciophila ochracea* MACQUART, 1826. Type-locality: "England" (Great Britain).—Distr.: Europe: F, GB, SF.
- pamirica** ZAITZEV, 1981: Ent. Obozr., 60: 398 (*Sciophila*). Type-locality: Pamir, Potschkala, Tajik SSR (USSR).—Distr.: USSR: SMA.
- parviareolata** SANTOS ABREU, 1920: Mems R. Acad. Cienc. Artes Barcelona, 16(1): 28 (*Sciophila*). Type-locality: Barranco del Río, Is. de 'la Palma (Canary Is.).—Distr.: Canary Is.
- plurisetosa** EDWARDS, 1921: Scott. Nat., 1921: 121 (*Sciophila*). Type-locality: Catacol, Arran, Scotland (Great Britain).—Distr.: Europe: GB.
- quadriterga** HUTSON, 1979: Entomologist's mon. Mag., 114: 143 (*Sciophila*). Type-locality: Cherry Hill, Herefordshire, England (Great Britain).—Distr.: Europe: F, GB.
- robusta** (WINNERTZ, 1863): Verh. zool.-bot. Ges. Wien, 13: 761 (*Lasiosoma*). Type-locality: not given ("Im königlichen Museum zu Berlin") (?district of Berlin).—Distr.: Europe: ?DDR or ?D.
- rufa** MEIGEN, 1830: Syst. Besch., 6: 295 (*Sciophila*). Type-locality: not given ("aus der Baumhauerischen Sammlung") (Central Europe).—Distr.: Europe: widely distributed; USSR: NET, CET (Est, La), SET, FE (Kuril Is.); Asia: Japan (Hokkaido).
- silvatica** PLOTNIKOVA, 1962: Ent. Obozr., 41(4): 898 (*Sciophila*). Type-locality: District of Tomsk, Western Siberia (USSR).—Distr.: USSR: WS.
- sordida** (WINNERTZ, 1863): Verh. zool.-bot. Ges. Wien, 13: 762 (*Lasiosoma*). Type-locality: not given ("Herr Senator von Heyden in Frankfurt am Main") (?district of Frankfurt) [D].—Distr.: Europe: D.
- tenuis** (WINNERTZ, 1863): Verh. zool.-bot. Ges. Wien, 13: 759 (*Lasiosoma*); a junior secondary homonym of *S. tenuis* WALKER, 1856. Type-locality: not given (?Krefeld) [D].—Distr.: Europe: ?D.
- thoracica** STAEGER, 1840: Naturh. Tidsskr., 3: 275 (*Sciophila*). Type-locality: Køn (Denmark).—Distr.: Europe: A, D, DK, E, SF; USSR: CET (La).
- vakulenkoi** STACKELBERG, 1943: Proc. R. ent. Soc. Lond., (B), 12: 171 (*Sciophila*). Type-locality: Southern Isle, Novaya Zemlya (USSR).—Distr.: USSR: NET (Novaya Zemlya).
- varia** (WINNERTZ, 1863): Verh. zool.-bot. Ges. Wien, 13: 753 (*Lasiosoma*). Type-locality: not given (?Krefeld) [D].—Distr.: Europe: A, D, F, GB, PL, SF; USSR: CET (La), SET (Uk: Crimea); Canary Is.

### **Syntemna** WINNERTZ, 1863

WINNERTZ, 1863: Verh. zool.-bot. Ges. Wien, 13: 767.

Type-species: *Syntemna morosa* WINNERTZ, 1863: l.c.: 768 (mon.).



- daisetsuzana** OKADA, 1938: *Insecta matsum.*, **12**(1-2): 95 (*Syntemna*). Type-locality: Sounkyo, Hokkaido (Japan).—Distr.: Europe: SF; Asia: Japan (Hokkaido).
- elegantia** PLASSMANN, 1978: *Senckenberg. biol.*, **59**(3/4): 209 (*Syntemna*). Type-locality: Kaltisjokk, Schwedisch-Lappland (Sweden).—Distr.: Europe: S.
- hungarica** (LUNDSTRÖM, 1912): *Annls hist.-nat. Mus. natn. hung.*, **10**: 516 (*Loewiella*). Type-locality: Kőrösmező (Carpatians).—Distr.: Europe: A, GB, S, SF; USSR: SET; USA (Alaska).
- morosa** WINNERTZ, 1863: *Verh. zool.-bot. Ges. Wien*, **13**: 768 (*Syntemna*). Type-locality: not given (?Krefeld) [D].—Distr.: Europe: A, D.
- nitidula** EDWARDS, 1925: *Trans. ent. Soc. Lond.*, **1924**: 559 (*Syntemna*). Type-locality: Humprey Head, N. Lancs. (Great Britain).—Distr.: Europe: D, GB, S, SF; USSR: CET (Rs).
- penicilla** HUTSON, 1979: *Entomologist's mon. Mag.*, **114**(1978) 139 (*Syntemna*). Type-locality: Kuusamo, Kiutaköngäs (Finland).—Distr.: Europe: SF.
- relicta** (LUNDSTRÖM, 1912): *Acta Soc. Fauna Flora fenn.*, **36**(1): 14 (*Loewiella*). Type-locality: Kuustö, Alandia (Finland).—Distr.: Europe: N, PL, SF; USA (Alaska).
- setigera** (LUNDSTRÖM, 1914): *Acta Soc. Fauna Flora fenn.*, **36**(1): 12 (*Loewiella*). Type-locality: "Kantalaks, zwischen Volasnaja Tundra und Kurtnjasna gora . . . Lapponia Imandrae" (USSR).—Distr.: Europe: SF; USSR: NET, CET; USA (Alaska).
- stylata** HUTSON, 1979: *Entomologist's mon. Mag.*, **114**: 140 (*Syntemna*). Type-locality: Moray, Logie, Scotland (Great Britain).—Distr.: Europe: GB.

Unplaced genera, belonging probably in Sciophilini

### **Neoneurotelia** SHINJI, 1938

SHINJI, 1938: *Insect Wld*, **42**(10): 307.

Type-species: *Neoneurotelia nigripennis* SHINJI, 1938: l.c.: 308 (mon.).

**nigripennis** SHINJI, 1938: *Insect Wld*, **42**(10): 308 (*Neoneurotelia*). Type-locality: Morioka, Honshu (Japan).—Distr.: Asia: Japan.

### **Neoparatinia** SHINJI, 1939

SHINJI, 1939: *Insect Wld*, **43**(11): 257.

Type-species: *Neoparatinia iwatensis* SHINJI, 1939: l.c.: 257 (mon.).

**iwatensis** SHINJI, 1939: *Insect Wld*, **43**(11): 257 (*Neoparatinia*). Type-locality: Morioka, Honshu (Japan).—Distr.: Asia: Japan (Honshu).

## Tribe Gnoristini

By P. LAŠTOVKA and L. MATILE

**Apolephthisa** GRZEGORZEK, 1885GRZEGORZEK, 1885: Berl. ent. Ztg, **29**: 205.Type-species: *Apolephthisa rara* GRZEGORZEK, 1885: l.c.: 206 (mon.) [= *subincana* (CURTIS, 1837)].**subincana** (CURTIS, 1837): Brit. Ent., **13**: 641 (*Sciophila*). Type-locality: Holywood (Ireland).—Distr.: Europe: CS, D, F, GB, IRE, PL, S, SF; USSR: CET (La), NET, TC.*melanoceras* (WALKER, 1856): Ins. Brit., Dipt., **3**: 46 (*Tetragoneura*). Type-locality: England (Great Britain).*rara* GRZEGORZEK, 1885: Berl. ent. Ztg, **29**: 206 (*Apolephthisa*). Type-localities: West-Galizien (Poland), Kaiserthum (Oesterreich).**Boletina** STAEGER, 1840STAEGER, 1840: Naturh. Tidsskr., **3**: 233.Type-species: *Leia trivittata* MEIGEN, 1818: Syst. Besch., **1**: 258 (des. JOHANNSEN, 1909: Mycetophilidae, in WYTSMAN: Genera Insectorum, Fasc. **93**: 73).**abditata** PLASSMANN, 1980: Spixiana, **3**(2): 209 (*Boletina*). Type-locality: Guttal, Glocknergebiet, Tirol (Austria).—Distr.: Europe: A.**aculeata** OSTROVERKHOVA, 1979: Fungus-gnats (Diptera, Mycetophiloidea) of Siberia, **1979**: 104 (*Boletina*). Type-locality: Irkutskaya oblast, Bodajbo (USSR).—Distr.: USSR: ES.**anderschi** (STANNIUS, 1831): Observ. Mycetoph. **1831**: 20 (*Mycetophila*). Type-locality: not given.—Distr.: Europe: CS, D, ?DDR.**arctica** HOLMGREN, 1872: Öfvers VetenskAkad. Förh., **29**: 105 (*Boletina*). Type-locality: N Greenland.—Distr.: USSR: ES, WS; Greenland.**attenata** OSTROVERKHOVA, 1979: Fungus-gnats (Diptera, Mycetophiloidea) of Siberia, **1979**: 104 (*Boletina*). Type-locality: Sikhote-Alinskiy zapovednik, pos. Terney (USSR).—Distr.: USSR: FE.**babai** SASAKAWA et KIMURA, 1974: Scient. Rep. Kyoto prefect. Univ., Agric., **26**: 56 (*Boletina*). Type-locality: Kurokawa, Niigata Pref., Honshu (Japan).—Distr.: Asia: Japan (Honshu).**basalis** (MEIGEN, 1818): Syst. Besch., **1**: 257 (*Leia*). Type-locality: not given (Europe).—Distr.: Europe: A, CS, D, DK, F, GB, I, IRE, PL, S, SF, YU; USSR: NET (Rs), CET (Rs, Est, La, Uk).

- humeralis* (ZETTERSTEDT, 1838): *Insecta Lapp.*: 862 (*Leia*). Type-locality: "in Lapponia Umensi . . . ad Wilhelmina" (Sweden).
- nigra* (ZETTERSTEDT, 1838): *Insecta Lapp.*: 862 (*Leia*). Type-locality: Björkvik (Norway).
- alpina* STROBL, 1910: *Mitt. naturw. Ver. Steierm.*, **46**: 245 (*Boletina*, as var. of *basalis*). Type-locality: "Vor-und Hochalpen" (Austria).
- consequana* SÉGUY, 1961: *Bull. Mus. natn. Hist. nat.*, Paris, **33**(2): 169 (*Boletina*). Type-localities: Tarbes, Hautes-Pyrénées (France), Osterode, "Prusse orientale" (Poland).
- beringensis** (COQUILLETT, 1899): *Dipt. of Commander Is.*: 342 (*Neoglaphyoptera*). Type-locality: Commander Is. (Bering Is., USSR).—Distr.: USSR: FE (Bering Is.).
- bidenticulata** SASAKAWA et KIMURA, 1974: *Scient. Rep. Kyoto prefect. Univ. Agric.*, **26**: 63 (*Boletina*). Type-locality: Sapporo, Hokkaido (Japan).—Distr.: Asia: Japan.
- bifurcata** SASAKAWA et KIMURA, 1974: *Scient. Rep. Kyoto prefect. Univ., Agric.*, **26**: 55 (*Boletina*). Type-locality: Kurokawa, Niigata Pref., Honshu (Japan).—Distr.: Asia: Japan.
- birulai** LUNDSTRÖM, 1915: *Mém. Acad. Sci. St.-Pétersb.*, **29**(8): 3 (*Boletina*). Type-localities: "Ins. Neu-Sibirien; West Taymir, Nordküste, Zarjan-Hafen; Südufer der Taymir-Strasse" (WS, USSR).—Distr.: USSR: NET (Rs), WS, FE; USA (Alaska).
- borealis** ZETTERSTEDT, 1852: *Dipt. Scand.*, **11**: 4160 (*Boletina*). Type-localities: Lapponia Umensi, Stensele, Naestansjö p. Wilhelmia, Stöttingsfjellet; Jemtlandia, Skalstugan, Mulfjellet, Areskutan (Sweden).—Distr.: Europe: A, S, SF; USSR: NET (Rs), CET (Rs), WS; Asia: Japan (Hokkaido).
- tundrica* DZIEDZICKI in BECKER, TH., DZIEDZICKI, H., SCHNABL, H. J. and VILLENEUVE, J., 1915: *Mém. Acad. Sci. St.-Pétersb.*, **28**(7): 1 (*Boletina*). Type-locality: Karskaya Tundra, Tobolsk region (USSR).
- brevicornis** ZETTERSTEDT, 1852: *Dipt. Scandinaviae*, **11**: 4163 (*Boletina*). Type-localities: "Scandinavia boreali . . . in Jemtlandia ad Mulfjellet in jugo alpino Norwegias ut ad diversorium Suul; atque in Summitate alpis Kälabög" (Norway, Sweden).—Distr.: Europe: F, GB, N, S, SF; USSR: CET (Rs), NET (Rs).
- cincticornis** (WALKER, 1848): *List Dipt. Brit. Mus.*, **1**: 102 (*Mycetophila*). Type-locality: Hammerfest, Finmark (Norway).—Distr.: Europe: A, D, R, S, SF, YU; USSR: NET (Rs), CET (Rs, By).
- consobrina* ZETTERSTEDT, 1852: *Dipt. Scand.*, **11**: 4162 (*Boletina*). Type-localities: Skalstugan, Mallfjellet, Jemtlandt (Sweden).
- winnertzii* DZIEDZICKI, 1885: *Pam. fizyogr.*, **5**(3): 170 (*Boletina*). Type-locality: Byelorussia (USSR).

- coxata* STROBL, 1898: Mitt. naturw. Ver. Steierm., **34**(1897): 284 (*Boletina*, as var. of *consobrina*). Type-locality: Kematenschlucht, Natterriegel, Scheiblstein (Austria).
- conformis** SIEBKE, 1864: Nyt Mag. Naturvid., **12**: 188 (*Boletina*). Type-locality: Uthuusbygningerne, Kongsvold (Norway).—Distr.: Europe: A, N.
- pseudosciarina* STROBL, 1895: Mitt. naturw. Ver. Steierm., **31**(1894): 148 (*Boletina*). Type-localities: Admont, Gesäuse, Hohentauren; Damischbachthurm, Scheiblstein (Austria).
- conjuncta** SASAKAWA et KIMURA, 1974: Scient. Rep. Kyoto prefect. Univ., Agric., **26**: 58 (*Boletina*). Type-localities: Kibune, Yamashiro; Katsurazawadan, Hokkaido (Japan).—Distr.: Asia: Japan.
- coronata** OSTROVERKHOVA, 1979: Fungus-gnats (Diptera, Mycetophiloidea) of Siberia, **1979**: 105 (*Boletina*). Type-locality: Sikhote-Alinskiy zapovednik, Shanduy (USSR).—Distr.: USSR: FE.
- curta** SASAKAWA et KIMURA, 1974: Scient. Rep. Kyoto prefect. Univ., Agric, **26**: 60 (*Boletina*). Type-localities: Mt. Hiei, Shiga Pref. and other localities in Honshu (Japan).—Distr.: Asia: Japan.
- digitata** LUNDSTRÖM, 1914: Acta Soc. Fauna Flora fenn., **39**(3): 15 (*Boletina*). Type-locality: Lapponia rossica, Im. Kantalaks (USSR).—Distr.: Europe: D, GB, I, S, SF; USSR: NET (Rs), CET (Rs, Est).
- dispecta** DZIEDZICKI, 1885: Pam. fizyogr., **5**: 171 (*Boletina*). Type-locality: "Zaczernie, Bialorussia" (USSR).—Distr.: Europe: D, F, GB, NL, PL, S, SF; USSR: NET, CET (Rs, By, La); Asia: Japan.
- dubia** (MEIGEN, 1804): Klass. Beschr., **1**: 92 (*Mycetophila*). Type-locality: not given (?Aachen).—Distr.: Europe: widely distributed; USSR: NET, CET (Li, La).
- analis* (MEIGEN, 1818): Syst. Beschr., **1**: 257 (*Leia*); unjustified new name for *dubia* MEIGEN. Type-locality: not given.
- postposita* STROBL, 1900: Wien. ent. Ztg, **19**: 98 (*Boletina*, as var. of *analis* MEIGEN). Type-locality: Brincola (Spain).
- inermis* LUNDSTRÖM, 1913: Acta Soc. Fauna Flora fenn., **36**(1): 23 (*Boletina*). Type-locality: Fennia australis, Helsingfors (Finland).
- erythropgya** HOLMGREN, 1883: Ent. Tidsskr., **4**: 189 (*Boletina*). Type-locality: Matotschkin Scharr, Novaya Zemlya (USSR).—Distr.: Europe: I, S, SF; USSR: NET (Rs), WS, ES, FE; Asia: Japan (Honshu).
- sahlbergi* LUNDSTRÖM, 1906: Acta Soc. Fauna Flora fenn., **29**: 14 (*Boletina*). Type-locality: Lapp. fennica, Enontekis (Finland).
- fuscula** HOLMGREN, 1883: Ent. Tidsskr., **4**: 190 (*Boletina*). Type-locality: Matotschkin Scharr, Novaya Zemlya (USSR).—Distr.: USSR: NET.
- gripha** DZIEDZICKI, 1885: Pam. fizyogr., **5**: 9 (*Boletina*). Type-locality: "Zaczernie v Bialorussii" (USSR).—Distr.: Europe: widely distributed; USSR: NET, CET (Rs, By, Est), WS, ES, FE.
- trebevicensis* STROBL, 1898: Glasn. zemalj Mus. Bosni Herceg., **10**: 599 (*Boletina*, as var. of *sciarina* STAEGER). Type-locality: Trebević (Yugoslavia).

- griphoides** EDWARDS, 1925: Trans. R. ent. Soc. Lond., 1924: 574 (*Boletina*). Type-locality: Wyre Forest; Beaconsfield, Bucks. (Great Britain).—Distr.: Europe: D, GB, IRE, NL, PL, SF; USSR: CET (Rs, La).
- groenlandica** STAEGER, 1845: Naturh. Tidsskr. (N.S.), 1: 356 (*Boletina*). Type-locality: Greenland.—Distr.: Europe: D, GB, IS, SF; USSR: NET (Rs), CET (Rs, La); Asia: Japan; Greenland; North America.
- basalis*: STAEGER, 1840: Naturh. Tidsskr., 3: 234 (*Boletina*), not *basalis* MEIGEN, 1818; misidentification.
- hirtilobula** SASAKAWA et KIMURA, 1974: Scient. Rep. Kyoto prefect. Univ., Agric., 26: 58 (*Boletina*). Type-localities: Kibune, Yamashiro, Honshu (Japan).—Distr.: Asia: Japan.
- hymenophalloides** SASAKAWA et KIMURA, 1974: Scient. Rep. Kyoto prefect. Univ., Agric., 26: 51 (*Boletina*). Type-locality: Omogo, Iyo, Shikoku (Japan).—Distr.: Asia: Japan.
- ingrica** STACKELBERG, 1948: Ent. Obozr., 30(1–2): 94 (*Boletina*). Type-locality: Tolmačevo, Leningrad region (USSR).—Distr.: USSR: NET (Rs), ES, FE; Asia: Japan.
- intermedia** LUNDSTRÖM, 1915: Mém. Acad. Sci. St.-Pétersb., 29(8): 4 (*Boletina*). Type-locality: “Nordküste Is. Neu-Sibirien” (USSR).—Distr.: USSR: ES.
- katoi** SASAKAWA et KIMURA, 1974: Scient. Rep. Kyoto prefect. Univ., Agric., 26: 47 (*Boletina*). Type-locality: Ashidake, Miyazaki Pref., Kyushu (Japan).—Distr.: Asia: Japan.
- kowarzi** STACKELBERG, 1943: Proc. R. ent. Soc. Lond. (B), 12: 167 (*Boletina*). Type-locality: Bad Liebenstein [DDR].—Distr.: Europe: DDR.
- lagena** SASAKAWA et KIMURA, 1974: Scient. Rep. Kyoto prefect. Univ., Agric., 26: 49 (*Boletina*). Type-locality: Hatomachi-toge, Oze, Honshu (Japan).—Distr.: Asia: Japan.
- landrocki** EDWARDS, 1924: Encycl. ent. (B II), Dipt., 1: 15 (*Boletina*, as new name for *analisis* LANDROCK). Type-locality: “Livland” (USSR).—Distr.: Europe: SF; USSR: NET (Rs), CET (Est, La).
- analisis*: LANDROCK, 1912: Wien. ent. Ztg, 31: 178 (*Boletina*), not *analisis* MEIGEN; misidentification.
- lundbecki** LUNDSTRÖM, 1912: Acta Soc. Fauna Flora fenn., 36: 20 (*Boletina*). Type-locality: Pallastunturi, Lapponia kemensis (Finland).—Distr.: Europe: A, D, GB, S, SF; USSR: CET (La).
- lundstromi** LANDROCK, 1912: Wien. ent. Ztg, 31(1): 30 (*Boletina*). Type-localities: Umgebung von Brünn (Bilowitz, Schreibwald); Hobitschau, Mähren (Czechoslovakia).—Distr.: Europe: CS, D, GB, IRE, PL, SF; USSR: CET (La), TC (Ge).
- maculata** HOLMGREN, 1870: K. svenska VetenskAkad. Handl., (4) 8(5) (1869): 49 (*Boletina*). Type-locality: Green Harbour, Advent Bay, Spitzbergen (Norway).—Distr.: Europe: D, N, S, SF; USSR: NET (Rs), CET (La).
- apicalis* (WALKER, 1848): List Dipt. Brit. Mus., 1: 101 (*Mycetophila*); a junior

- primary homonym of *M. apicalis* MEIGEN, 1838. Type-locality: Hammerfest, Finmark (Norway).
- longicauda* LUNDSTRÖM, 1912: Acta Soc. Fauna Flora fenn., **36**(1): 23 (*Boletina*). Type-locality: Muonio, Lapponia kemensis (Finland).
- meniscophalloides** SASAKAWA et KIMURA, 1974: Scient. Rep. Kyoto prefect. Univ., Agric., **26**: 61 (*Boletina*). Type-locality: Koza, Wakayama Pref., Honshu (Japan).—Distr.: Asia: Japan.
- mixta** OSTROVERKHOVA, 1979: Fungus-gnats (Diptera, Mycetophiloidea) of Siberia, **1979**: 105 (*Boletina*). Type-locality: Tomskaya obl., Verkhneket-skiy rayon (USSR).—Distr.: USSR: WS.
- moravica** LANDROCK, 1912: Wien. ent. Ztg, **31**: 29 (*Boletina*). Type-locality: "Aus dem Obratale bei Brünn, Mähren" (Czechoslovakia).—Distr.: Europe: CS, F, GB, PL, SF; USSR: NET (Rs), CET.
- nasuta** (HALIDAY, 1839): Ann. Mag. nat. Hist., **2**: 184 (*Leia*). Type-locality: Holywood (Ireland).—Distr.: Europe: A, D, GB, IRE, S, SF; USSR: CET (La); Asia: Japan.
- lundbecki*: authors, not LUNDSTRÖM, 1917; misidentification.
- nigricans** DZIEDZICKI, 1885: Pam. fizyogr., **5**: 174 (*Boletina*). Type-locality: "Zaczernie na Bialorussii" (USSR).—Distr.: Europe: F, GB, IRE, S, SF; USSR: CET (By, Est, La, Rs), WS; Asia: Japan.
- nigricoxa** STAEGER, 1840: Naturh. Tidsskr., **3**: 236 (*Boletina*). Type-localities: Graesfet, Charlottenlund, Maengde (Denmark).—Distr.: Europe: CS, D, DK, N, PL, S, SF; USSR: CET (By, Est, La, Rs), WS; Asia: Japan.
- nigripes** BUKOWSKI, 1934: Konowia, **13**: 183 (*Boletina*). Type-locality: Aluschta, Crimea (USSR).—Distr.: USSR: SET (Uk).
- nigrofusca** DZIEDZICKI, 1885: Pam. fizyogr., **5**: 170 (*Boletina*). Type-locality: "Zaczernie na Bialorussii" (USSR).—Distr.: Europe: GB, S, SF; USSR: NET (Rs), CET (By, La, Rs), WS, ES, FE.
- nitida** GRZEGORZEK, 1885: Berl. ent. Z., **29**: 204 (*Boletina*). Type-locality: not given (Central Europe).—Distr.: Europe: A, CS, F, GB, H, IRE, PL; USSR: NET, CET (Rs), ES, FE; Asia: Japan.
- pallidula** EDWARDS, 1925: Trans. R. ent. Soc. Lond., **1924**: 573 (*Boletina*). Type-localities: Baldock, Herts; Oxford (Great Britain).—Distr.: Europe: GB; USSR: CET (Est).
- flaviventris*: LANDROCK, 1923: Zool. Anz., **58**: 77 (*Boletina*), not *flaviventris* STROBL, 1894; misidentification.
- pectinunguis** EDWARDS, 1932: Scott. Nat., **1932**(194): 43 (*Boletina*). Type-locality: N Highland (Great Britain).—Distr.: Europe: GB, S, SF; USSR: NET.
- plana** (WALKER, 1856): Ins. Brit., Dipt., **3**: 34 (*Leia*). Type-locality: "England" (Great Britain).—Distr.: Europe: CS, D, DK, F, GB, IRE, PL, S, SF; USSR: NET, CET (Rs, By, La); Asia: Japan; Madeira.
- dubia* STAEGER, 1840: Naturh. Tidsskr., **3**: 235 (*Boletina*); a junior secondary homonym of *Mycetophila dubia* MEIGEN, 1804. Type-locality: Denmark.

- grzegorzekii* DZIEDZICKI, 1885: Pam. fizyogr., 5: 173 (*Boletina*). Type-localities: Zaczernie, Byelorussia (USSR); Kopalín, Galicia (Poland).
- polaris* LUNDSTRÖM, 1915: Mém. Acad. Sci. St.Pétersb., 29(8): 4 (*Boletina*). Type-localities: "Kola peninsula, Taymir peninsula" (USSR).—Distr.: Europe: S; USSR: NET (Rs), ES.
- prolata* SASAKAWA et KIMURA, 1974: Scient. Rep. Kyoto prefect. Univ., Agric., 26: 63 (*Boletina*). Type-locality: Sapporo, Hokkaido (Japan).—Distr.: Asia: Japan.
- pseudoventralis* SASAKAWA et KIMURA, 1974: Scient. Rep. Kyoto prefect. Univ., Agric., 26: 60 (*Boletina*). Type-locality: Koza, Wakayama Pref., Honshu (Japan).—Distr.: Asia: Japan.
- rejecta* EDWARDS, 1941: Entomologist's Mon. Mag., 77: 70 (*Boletina*). Type-locality: Hants: Denny Wood, New Forest (Great Britain).—Distr.: Europe: GB, IRE, PL, SF.
- sciarina* STAEGER, 1840: Naturh. Tidsskr., 3: 236 (*Boletina*). Type-locality: Denmark.—Distr.: Europe: widely distributed; USSR: widely distributed; Asia: Japan; Greenland; North America.
- obscurella* (ZETTERSTEDT, 1838): Insecta Lapp.: 866 (*Mycetophila*). Type-localities: "ad Kengis Lapponiae Tornensis (Sweden)... ad Björkvik Nordlandiae Norvegicae" (Norway).
- concolor* (WALKER, 1848): List Dipt. Brit. Mus., 1: 102 (*Mycetophila*). Type-locality: Hammerfest Finmark (Norway.)
- sibirica* OSTROVERKHOVA, 1970: Новые и малоизвестные виды фауны Сибири, 3: 108 (*Boletina*). Type-locality: Krasnojarskiy kray, zapovednik Stolby (USSR).—Distr.: USSR: WS.
- silvatica* DZIEDZICKI, 1885: Pam. fizyogr., 5: 172 (*Boletina*). Type-locality: Zaczernie, Byelorussia (USSR).—Distr.: Europe: D, GB, NL, PL, S, SF; USSR: NET, CET (By, La), WS, ES.
- takagii* SASAKAWA et KIMURA, 1974: Scient. Rep. Kyoto prefect. Univ., Agric., 26: 53 (*Boletina*). Type-locality: Sapporo, Hokkaido (Japan).—Distr.: Asia: Japan.
- tiroliensis* PLASSMANN, 1980: Spixiana, 3(2): 211 (*Boletina*). Type-locality: Guttal, Glocknergebiet, Tirol (Austria).—Distr.: Europe: A.
- trispinosa* EDWARDS, 1913: Trans. R. ent. Soc. Lond., 1913: 364 (*Boletina*). Type-localities: "Lelant, Cornwall, Bettws-y-Coed (Great Britain).—Distr.: Europe: D, GB, IRE, SF; USSR: CET (Est); Taiwan.
- trivittata* (MEIGEN, 1818): Syst. Besch., 1: 258 (*Leia*). Type-locality: not given (Europe).—Distr.: Europe: widely distributed; USSR: NET, CET (Rs, La, Est), SET (Uk), TC (Ge); Asia: Japan.
- tungusica* OSTROVERKHOVA, 1979: Fungus-gnats (Diptera, Mycetophiloidea) of Siberia, 1979: 108 (*Boletina*). Type-locality: Krasnojarskiy kray, Tungusko-Chunskiý rayon, pos. Vanavara (USSR).—Distr.: USSR: ES.

- verticillata** STACKELBERG, 1943: Proc. R. ent. Soc. Lond. (B), **12**: 167 (*Boletina*).  
Type-locality: "N. W. Siberia, between Small Ural (Malyj Ural, and Lake Vartshay, distr. Obdorsk) (USSR).—Distr.: Europe: SF; USSR: NET (Rs), WS, FE; Asia: Mongolia.
- stackelbergi* OSTROVERKHOVA, 1970: Новые и малоизвестные виды фауны Сибири, **3**: 109 (*Boletina*). Type-localities: Krasnojarskiy zapovednik Stolby and Sikhote-Alinskiy zapovednik, Primorskiy kray (USSR).
- villosa** LANDROCK, 1912: Wien. ent. Ztg, **31**: 177 (*Boletina*). Type-locality: "Livland" (USSR).—Distr.: Europe: GB, SF; USSR: NET, CET (Est, La).

### Doubtful genera and species

- Agaromya* RONDANI, 1861: Dipt. Ital. Prodromus, **4**: 12, new name for *Fungina* RONDANI, 1856. Type-species: *Fungina sicula* RONDANI, 1856 (aut.).
- Fungina* RONDANI, 1856: Dipt. Ital. Prodromus, **1**: 194. Type-species: *Fungina sicula* RONDANI, 1856: l.c.: 194 (mon.). Nomen nudum.
- humeralis* A. COSTA, 1857: Giambatt. Vico, Gior. Sci. Napoli, **2**: 456 (*Fungina*). Type-locality: nr Napoli (Italy).
- sicula* RONDANI, 1856: Dipt. Ital. Prodromus, **1**: 194 (*Fungina*). Nomen nudum.
- unifurcata* ZETTERSTEDT, 1860: Dipt. Scand., **14**: 6562 (*Boletina*). Type-locality: Tarna, Lapponia Umensi (Sweden).

### Coelophthinia EDWARDS, 1941

- EDWARDS, 1941: Entomologist's mon. Mag., **77**: 67.  
Type-species: *Phthinia thoracica* WINNERTZ, 1863: Verh. zool.-bot. Ges. Wien, **13**: 780 (orig. des.).
- thoracica** (WINNERTZ, 1863): Verh. zool.-bot. Ges. Wien, **13**: 780 (*Phthinia*). Type-locality: not given ("In der Sammlung des Hrn. Baron von Osten-Sacken in St. Petersburg").—Distr.: Europe: A, CS, D, GB, IRE; USSR: CET (Rs).
- nigripennis* (STROBL, 1898): Mitt. naturw. Ver. Steierm., **34**(1897): 284 (*Phthinia*). Type-locality: Kematenbach (Austria).

### Coelosia WINNERTZ, 1863

- WINNERTZ, 1863: Verh. zool.-bot. Ges. Wien, **13**: 796.  
Type-species: *Boletina flava* STAEGER, 1840: Naturh. Tidsskr., **3**: 237 (des. JOHANNSEN, 1909: Mycetophilidae in WYTSMAN: Genera Insectorum, Fasc. **93**: 86).
- Boletina* authors, not STAEGER.



- bicornis** STACKELBERG, 1946: Proc. R. ent. Soc. Lond., (B), 15: 78 (*Coelosia*). Type-locality: "Leningrad province—Tolmatshevo, Luga distr." (USSR).—Distr.: USSR: CET. (Rs).
- flava** (STAEGER, 1840): Naturh. Tidsskr., 3: 237 (*Boletina*). Type-locality: Charlottenlund (Denmark).—Distr.: Europe: A, CH, CS, D, DK, F, GB, H, IRE, PL, SF; USSR: NET, CET (Est, La, Rs).
- fuscicauda** OKADA, 1939: J. Fac. agric. Hokkaido (imp.) Univ., 42: 309 (*Coelosia*). Type-locality: Sapporo (Japan).—Distr.: Asia: Japan.
- quadricornis** STACKELBERG, 1946: Proc. R. ent. Soc. Lond., (B), 15: 79 (*Coelosia*). Type-locality: "Kamtchatka: Shiveljutsh" (USSR).—Distr.: USSR: FE.
- sapporoensis** OKADA, 1939: J. Fac. agric. Hokkaido (imp.) Univ., 42: 309 (*Coelosia*, as form of *flava* STAEGER). Type-locality: Sapporo, Hokkaido (Japan).—Distr.: Asia: Japan.
- silvatica** LANDROCK, 1918: Wien. ent. Ztg, 37: 109 (*Coelosia*). Type-locality: "Aus Kameral-Ellgoth, Österr.-Schlesien" (Czechoslovakia).—Distr.: Europe: CS, D, F, GB, PL, SF; USSR: CET (Est, La).
- strigosa** OSTROVERKHOVA, 1979: Fungus-gnats (Diptera, Mycetophiloidea) of Siberia, 1979: 98 (*Coelosia*). Type-localities: Irkutskaya oblast, okr. Bodajbo and Tomskaya oblast, Kolpatshevskiy rayon (USSR).—Distr.: USSR: WS, ES.
- tenella** (ZETTERSTEDT, 1852): Dipt. Scand., 11: 4165 (*Boletina*). Type-locality: Mulfjellet, Jemtlandia (Sweden).—Distr.: Europe: widely distributed; USSR: NET (Rs), CET (Rs, Est, La), WS; Asia: Mongolia, China; Nearctic Region.
- flavicauda* WINNERTZ, 1863: Verh. zool.-bot. Ges. Wien, 13: 798 (*Coelosia*). Type-locality: not given (?Krefeld) [D].
- setipennis* (HOLMGREN, 1869): K. svenska VetenskAkad. Handl., (N.S.) 8: 50 (*Boletina*). Type-locality: Adventfjorden, Spitzbergen (Norway).
- truncata** LUNDSTRÖM, 1909: Acta Soc. Fauna Flora fenn., 32(2): 18 (*Coelosia*). Type-localities: "Regio aböensis: Kuusto, Karislojo; Nylandia: Kyrkslätt; Ostrobotnia australis: Wasa" (Finland).—Distr.: Europe: CS, D, I, S, SF; USSR: NET, CET (La), WS, FE; Nearctic Region.

#### Doubtful species

- flava* (WALKER, 1837): Ent. Mag., 4: 117 (*Mycetophila*). Type-locality: "in woods, near London" (Great Britain); probably a secondary homonym of *M. flava* STAEGER.
- fusca* BEZZI, 1892: Bull. Soc. ent. ital., 24: 68 (*Coelosia*). Type-locality: "forse comune nell'alta Italia" (Italy).

#### Dziedzickia JOHANNSEN, 1909

- JOHANNSEN, 1909: Mycetophilidae in WYTSMAN: Genera Insectorum, Fasc. 93: 44, new name for *Hertwigia* DZIEDZICKI, 1885, a junior homonym of *Hertwigia* SCHMIDT, 1880.

- Type-species: *Hertwigia marginata* DZIEDZICKI, 1885: Pam. fizyogr., 5: 165 (aut.).  
*Hertwigia* DZIEDZICKI, 1885: Pam. fizyogr., 5: 165. Type-species: *Hertwigia marginata* DZIEDZICKI, 1885: l.c.: 165 (mon.).
- bilobata** OSTROVERKHOVA, 1971: Trudy Gos. Zapov. "Stolby", 8: 94 (*Dziedzickia*).  
 Type-locality: Krasnojarskiy zapovednik "Stolba", Krasnojarskaya oblast (USSR).—Distr.: USSR: WS.
- macrura** SHINJI, 1939: Insect Wld, 43(11) 257 (*Dziedzickia*). Type-locality: Morioka (Japan).—Distr.: Asia: Japan.
- marginata** (DZIEDZICKI, 1885): Pam. fizyogr., 5: 165 (*Hertwigia*). Type-locality: Zaczernie, Byelorussia (USSR).—Distr.: Europe: CS, GB, SF; USSR: NET (Rs), CET (By, Rs), TC (Ge).

### Gnoriste MEIGEN, 1818

MEIGEN, 1818: Syst. Besch., 1: 243.

Type-species: *Gnoriste apicalis* MEIGEN, 1818: l.c.: 243 (mon.).

- apicalis** MEIGEN, 1818: Syst. Besch., 1: 243 (*Gnoriste*). Type-locality: "Bei Berlin" [DDR].—Distr.: Europe: CS, DDR, DK, SF; USSR: NET (Rs), CET (Rs, Uk, Est, La), WS, FE.
- bilineata** ZETTERSTEDT, 1852: Dipt. Scand., 11: 4094 (*Gnoriste*). Type-locality: "Svecia boreali . . . Jemtlandia ad radicem alpis Mulfjellet" (Sweden).—Distr.: Europe: A, CS, D, F, GB, SF; USSR: NET, CET (Rs, La).
- bivittata** SCHUMMEL, 1832: Arb. schles. Ges. vaterl. Kultur 1831: 74 (*Gnoriste*). Type-locality: "Harzgebirge" (Germany). Nomen nudum.
- trilineata** ZETTERSTEDT, 1852: Dipt. Scand., 11: 4095 (*Gnoriste*). Type-localities: "Toien propre Christianam; Oier in Gudbrandsal" (Norway).
- harcyniae** von RÖDER, 1887: Wien. ent. Ztg, 6(4): 155 (*Gnoriste*). Type-locality: "im Selkethal . . . nach Harzgerode" [DDR].—Distr.: Europe: A, DDR, F, SF.
- longirostris** SIEBKE, 1864: Nyt Mag. naturw., 12: 186 (*Gnoriste*). Type-locality: "I. Drivdalen . . . en Fordybning i Klippevaegen" (Norway).—Distr.: Europe: GB, N; Greenland.
- groenlandica** LUNDBECK, 1898: Vidensk. Meddr. dansk naturh. Foren. Kjobenhavn, (5) 10(1898): 259 (*Gnoriste*). Type-locality: "Tumugdliar-fjord, Tasersuak paa Nagsuak-Hakvoen" (Greenland).
- mikado** OKADA, 1939: J. Fac. agric. Hokkaido (imp.) Univ., 42: 310 (*Gnoriste*). Type-locality: Sapporo (Japan).—Distr.: Asia: Japan.

**Grzegorzekia EDWARDS, 1941**

EDWARDS, 1941: Entomologist's mon. Mag., **77**: 68.

Type-species: *Sciophila collaris* MEIGEN, 1818: Syst. Besch., **1**: 250 (orig. des.).

**collaris** (MEIGEN, 1818): Syst. Besch., **1**: 250 (*Sciophila*). Type-locality: not given ("an Hrn. Baumhauer's Samml.").—Distr.: Europe: A, D, F, GB, PL, SF; USSR: NET, CET (Est, La).

*stylifera* (GRZEGORZEK, 1875): Verh. zool.-bot. Ges. Wien, **25**: 3 (*Empalia*). Type-locality: "Halicia" (Poland).

*pandellei* (SÉGUY, 1961): Bull. Mus. natn. Hist. nat., Paris, **33**: 169 (*Neoempheria*). Type-localities: Tarbes, Hautes-Pyrénées (France) and Osterode, "Prusse orientale" (Poland), by lectotype designation.

**Doubtful species**

*diversa* (WALKER, 1856): Ins. Brit., Dipt., **3**: 47 (*Sciophila*). Type-locality: Switzerland; probably synonym of *collaris* MEIGEN.

**Hadroneura LUNDSTRÖM, 1906**

LUNDSTRÖM, 1906: Acta Soc. Fauna Flora fenn., **29**(1): 10.

Type-species: *Hadroneura palmeni* LUNDSTRÖM, 1906: l.c.: 10 (mon.).

**kamtshatica** STACKELBERG, 1943: Proc. R. ent. Soc. Lond. (B), **12**: 167 (*Hadroneura*). Type-locality: Kamchatka river, near Kljutshevsk (USSR).—Distr.: USSR: FE.

**palmeni** LUNDSTRÖM, 1906: Acta Soc. Fauna Flora fenn., **29**(1): 10 (*Hadroneura*). Type-locality: "Leppävirta, Fennia media" (Finland).—Distr.: Europe: SF; USSR: CET (La).

**Impleta PLASSMANN, 1978**

PLASSMANN, 1978: Senckenberg. biol., **59**: 209.

Type-species: *Impleta consorta* PLASSMANN, 1978: l.c.: 210 (orig. des.).

**consorta** PLASSMANN, 1978: Senckenberg. biol., **59**: 210 (*Impleta*). Type-locality: Kaltisjokk, Schwedisch-Lappland (Sweden).—Distr.: Europe: S.

**Palaeodocosia MEUNIER, 1904**

MEUNIER, 1904: Mon. Cecid. Sciar. Mycet. Chiron. Ambre Balt.: 161.

Type-species: *Palaeodocosia brachypezoides* MEUNIER, 1904: l.c.: 161 (mon.).

*Heteropygium* DZIEDZICKI, 1923: Discipl. biol. Arch. scient. varsaviensis, **1**(15) (1922): 2. Type-species: *Heteropygium janickii* DZIEDZICKI, 1922: l.c.: 2 (mon.).

**alpicola** (STROBL, 1895): Mitt. naturw. Ver. Steierm., **31**(1894): 145 (*Syntemma*).  
Type-locality: Admont (Austria).—Distr.: Europe: A, D, GB, R, SF;  
USSR: NET, CET (Rs).

**flava** (EDWARDS, 1913): Trans. R. ent. Soc. Lond., **1913**: 361 (*Dziedzickia*). Type-locality: Doward, Herefordshire, England (Great Britain).—Distr.: Europe: GB.

**janickii** (DZIEDZICKI, 1923): Discipl. biol. Arch. scient. varsaviensis, **1**(15) (1922): 2 (*Heteropygium*). Type-localities: "Na Białej rusi i v okolicach Warszawy" (USSR and Poland).—Distr.: Europe: D, F, GB, IRE, PL, YU; USSR: NET, CET (Rs, By).

**Saigusaia VOCKEROTH, 1980**

VOCKEROTH, 1980: Can. Ent., **112**(6): 541.

Type-species: *Boletina cincta* JOHANNSEN, 1912: Bull. Me agric. Exp. Stn, (2) **196**(1911): 270 (orig. des.); not Palaearctic.

**flaviventris** (STROBL, 1894): Mitt. naturw. Ver. Steierm., **30**(1893): 149 (*Boletina*).  
Type-locality: Kematenbachschlucht, bei Admont (Austria).—Dist.: Europe: widely distributed; USSR: NET, CET (Est); Asia: Japan (Honshu).

*reuteri* (LUNDSTRÖM, 1906): Acta Soc. Fauna Flora fenn., **29**(1): 16 (*Boletina*).  
Type-locality: Fennia meridionalis, Åland (Finland).

**Speolepta EDWARDS, 1925**

EDWARDS, 1925: Trans. R. ent. Soc. Lond., **1924**: 566.

Type-species: *Polylepta leptogaster* WINNERTZ, 1863: Verh. zool.-bot. Ges. Wien, **13**: 746 (orig. des.).

**leptogaster** (WINNERTZ, 1863): Verh. zool.-bot. Ges. Wien, **13**: 746 (*Polylepta*).  
Type-locality: not given.—Distr.: Europe: BG, CS, D, F, GB, IRE, NL, R, SF; USSR: not specified; India; Nearctic Region.

*dissona* PLASSMANN, 1977: NachrBl. bayer. Ent., **26**(2): 30 (*Speolepta*). Type-locality: Birgsau, südlich von Oberstdorf, im Stillachtal Algäu (D).

**Synapha** MEIGEN, 1818

MEIGEN, 1818: Syst. Besch., 1: 227.

Type-species: *Synapha fasciata* MEIGEN, 1818: l.c.: 227 (mon.).

*Empalia* WINNERTZ, 1863: Verh. zool.-bot. Ges. Wien, 13: 762. Type-species: *Sciophila vitripennis* MEIGEN, 1818: Syst. Besch., 1: 251 (mon.).

**fasciata** MEIGEN, 1818: Syst. Besch., 1: 227 (*Synapha*). Type-locality: not given, (?Aachen).—Distr.: Europe: CS, D, F, GB, IRE, SF; USSR: not specified (?CET).

*paradoxa* (EDWARDS, 1913): Trans. R. ent. Soc. Lond., 1913: 359 (*Empalia*). Type-locality: Lyndhurst, New Forest Lochinver, Sutherland, Stocken-church (Great Britain).

**vitripennis** (MEIGEN, 1818): Syst. Besch., 1: 251 (*Sciophila*). Type-locality: not given (?Aachen).—Distr.: Europe: D, F, GB, H, NL, PL, R, SF; USSR: not specified.

*fnalis* (WALKER, 1856): Ins. Brit., Dipt., 3: 21 (*Mycetophila*). Type-locality: "England" (Great Britain).

## Tribe Allactoneurini

By L. MATILE

**Allactoneura** DE MEIJERE, 1907

DE MEIJERE, 1907: Tijdschr. Ent., 50(4): 201.

Type-species: *Allactoneura cincta* DE MEIJERE, 1907: l.c.: 202 (mon.); not Palaeartic.

*Scotella* ENDERLEIN, 1910: Trans. Linn. Soc. Lond. (2) Zool., 14: 60. Type-species: *Scotella argenteosquamosa* ENDERLEIN, 1910: l.c.: 61 (orig. des.); not Palaeartic.

**ussuriensis** ZAITZEV, 1981: Ent. Obozr., 60(4): 908 (*Allactoneura*). Type-locality: Primorskiy kray, Lazovskiy region, s. Sokoltchti (USSR).—Distr.: USSR: FE.

## Tribe Leiini

By W. HACKMAN

**Clastobasis** SKUSE, 1890

SKUSE, 1890: Proc. Linn. Soc. N.S.W., (2) 5: 617.

Type-species: *Clastobasis tryonii* SKUSE, 1890: l.c.: 617 (mon.); not Palearctic.**alternans** (WINNERTZ, 1863): Verh. zool.-bot. Ges. Wien, 13: 788 (*Glaphyoptera*).

Type-locality: not given (?Germany).—Distr.: Europe: A, CS, ?DDR, I, PL, SF; Asia: NW China.

## Doubtful species

*unicolor* (WINNERTZ, 1863): Verh. zool.-bot. Ges. Wien., 13: 784 (*Glaphyoptera*). Type-locality: not given (?Krefeld); probably a synonym of *C. alternans* (WINNERTZ, 1863).**Docosia** WINNERTZ, 1863

WINNERTZ, 1863: Verh. zool.-bot. Ges. Wien, 13: 802.

Type-species: *Mycetophila sciarina* MEIGEN, 1830: Syst. Besch., 6: 300 (des. JOHANNSEN, 1909: Mycetophilidae in WYTSMAN: Genera Insectorum, Fasc. 93: 92).**antennata** BECKER, 1907: Z. syst. Hymenopt. Dipterol., 7: 234 (*Docosia*). Type-locality: "Algier" (Algeria).—Distr.: North Africa: Algeria.**carbonaria** EDWARDS, 1941: Entomologist's mon. Mag., 77: 73 (*Docosia*). Type-locality: Barton Mills, Suffolk (Great Britain).—Distr.: Europe: F, GB, S.**flavicoxa** STROBL, 1900: Wien. ent. Ztg, 19: 99 (*Docosia*, as forma of *valida* WINNERTZ). Type-localities: Brincola (Spain), Steiermark (Austria) and Siebenbürgen (Roumania).—Distr.: Europe: A, CS, E, F, R, SF; USSR: CET, WS.**fumosa** EDWARDS, 1925: Trans. R. ent. Soc. Lond., 1924: 582 (*Docosia*). Type-locality: Hogley, Oxford (Great Britain).—Distr.: Europe: F, GB, S.**fuscipes** (VON ROSER, 1840): CorrespBl. württ. landw. Ver. Stuttg. (N.S.), 17(1): 51 (*Leia*). Type-locality: not given (Württemberg).—Distr.: Europe: CS, D, GB, H; USSR: TC (Ge).*pseudovalida* LANDROCK, 1916: Z. mähr. Landesmus., 15: 63 (*Docosia*). Type-locality: "Schreibwald bei Brünn [= Brno] (Czechoslovakia).**gilvipes** (WALKER, 1856): Ins. Brit., Dipt., 3: 29 (*Leia*). Type-locality: "Ireland" [probably N Ireland] (Great Britain).—Distr.: Europe: widely distributed; USSR: NET, CET, SET, WS; Asia: Japan (Hokkaido); Madeira.

- laminosa** OSTROVERKHOVA, 1979: Fungus-gnats (Diptera, Mycetopiloidea). of Siberia, 1979: 119 (*Docosia*). Type-locality: Tomsk (W Siberia, USSR).—Distr. USSR: WS.
- mongolica** LAŠTOVKA et MATILE, 1974: Acta zool. hung., 20: 102 (*Docosia*). Type-locality: "Bajanchongor aimak: Changaj-Gebirge" (Mongolia).—Distr.: Asia: Mongolia.
- moravica** LANDROCK, 1916: Z. mähr. Landesmus., 15: 64 (*Docosia*). Type-locality: "Bilowitz" [= Bílovice] (Czechoslovakia).—Distr.: Europe: CS, D, F (incl. Corse), GB, PL, S.
- morionella** MIK, 1884: Ver. zool.-bot. Ges. Wien, 33: 251 (*Docosia*). Type-localities: Hammern; Freistadt (Austria).—Distr.: Europe: A.
- nigra** LANDROCK, 1928: Konowia, 7: 238 (*Docosia*). Type-locality: "Tatragebiet, Slowakei" (Czechoslovakia).—Distr.: Europe: CS.
- pallipes** EDWARDS, 1941: Entomologist's mon. Mag., 77: 73 (*Docosia*). Type-locality: Logie, Elgin (Great Britain).—Distr.: Europe: GB.
- sciarina** (MEIGEN, 1830): Syst. Besch., 6: 300 (*Mycetophila*). Type-locality: not given ("Baumhauer's Sammlung") (?Central Europe).—Distr.: Europe: widely distributed; USSR: CET (Est, Rs).
- basalis* (WALKER, 1856): Ins. Brit., Dipt., 3: 30 (*Leia*). Type-locality: Holywood (N Ireland, Great Britain).
- valida* WINNERTZ, 1863: Verh. zool.-bot. Ges. Wien, 13: 806 (*Docosia*). Type-locality: not given (?Krefeld) [D].
- nigrifemur* STROBL, 1898: Mitt. naturw. Ver. Steierm., 34: 285 (*Docosia*, as forma of *valida*). Type-locality: "Grünerlen am Bösenstein, Steiermark" (Austria).
- nigricoxa* STROBL, 1900: Wien ent. Ztg, 19: 99 (*Docosia*, as forma of *valida*). Type-locality: Brincola (Spain).
- setosa** LANDROCK, 1916: Z. mähr. Landesmus., 15: 63 (*Docosia*). Type-locality: "Schreibwald bei Brünn" [= Brno] (Czechoslovakia).—Distr.: Europe: CH, CS, GB; Asia: Japan (Hokkaido).
- atra* OKADA, 1939: J. Fac. Agric. Hokkaido (imp.) Univ., 42: 315 (*Docosia*, as forma of *setosa*). Type-locality: Sapporo, Hokkaido (Japan).
- sibirica** OSTROVERKHOVA, 1979: Fungus-gnats (Diptera, Mycetophiloidea) of Siberia, 1979: 120 (*Docosia*). Type-locality: Krasnojarskiy kray, Tungussko-Chunskij rayon, pos. Vanavara (E Siberia, USSR).—Distr.: USSR: ES.
- similis** LANDROCK, 1928: Konowia, 7: 240 (*Docosia*); a junior primary homonym of *D. similis* GARRET, 1925. Type-locality: "Karpathen" (Czechoslovakia).—Distr.: Europe: CS.

**Ectrepesthoneura** ENDERLEIN, 1911

ENDERLEIN, 1911: Stettin. ent. Ztg, **72**: 115.

Type-species: *Tetragoneura hirta* WINNERTZ, 1846: Stettin. ent. Ztg, **7**: 19 (orig. des.).

*Meunieria* JOHANNSEN, 1909: Mycetophilidae in WYTSMAN: Genera Insectorum, Fasc. **93**: 87 (new name for *Willistoniella* MEUNIER, 1904, a junior homonym of *Willistoniella* KIEFFER). Type-species: *Willistoniella magnifica* MEUNIER, 1904: Anns Soc. scient. Brux., **28**(2): 74 (aut.).

*Willistoniella* MEUNIER, 1904: Anns Soc. scient. Brux., **28**(2): 74. Type-species: *Willistoniella magnifica* MEUNIER, 1904: Anns Soc. scient. Brux., **28**(2): 74 (mon.).

**bucera** PLASSMANN, 1980: Beitr. ent. Berl., **30**: 3 (*Ectrepesthoneura*). Type-locality: Kaltisjokk, Messaure (Sweden).—Distr.: Europe: S, SF.

**colyeri** CHANDLER, 1980: Syst. Ent., **5**: 321 (*Ectrepesthoneura*). Type-locality: Ridley Wood, New Forest, Hampshire (Great Britain).—Distr.: Europe: F, GB, SF.

**gracilis** EDWARDS, 1928: Encycl. ent. (B II) Dipt., **4**: 161 (*Ectrepesthoneura*). Type-locality: Restonica Valley, Corsica (France).—Distr.: Europe: F.

**hirta** (WINNERTZ, 1846): Stettin. ent. Ztg, **7**: 19 (*Tetragoneura*). Type-locality: not given (?Krefeld, lectotype des.).—Distr.: Europe: widely distributed; USSR: ?NET, ?CET.

**japonica** SASAKAWA, 1961: Kontyû, **29**: 190 (*Ectrepesthoneura*). Type-locality: Hikosan, Buzen, Kyushu (Japan).—Distr.: Asia: Japan. [Probably belonging to Sciaridae (CHANDLER, 1980)].

**ovata** OSTROVERKHOVA, 1977: Trudy biol. biofiz. Tomsk. Univ., **8**: 25 (*Ectrepesthoneura*). Type-locality: Tomsk oblast, Paradelskij rayon, okresnosti pos. Starishy (W Siberia, USSR).—Distr.: USSR: WS.

**pubescens** (ZETTERSTEDT, 1860): Dipt. Scand., **14**: 6559 (*Sciophila*). Type-locality: "Lapponia Umensis ad Tårna" (Sweden).—Distr.: Europe: GB, S, SF.  
*messaurensis* PLASSMANN, 1975: Mitt. dt. ent. Ges., **34**: 10 (*Ectrepesthoneura*). Type-locality: Kaltisjokk, Messaure (Sweden).

**referta** PLASSMANN, 1976: Senckenberg. biol., **57**: 73 (*Ectrepesthoneura*). Type-locality: Kaltisjokk, Messaure (Sweden).—Distr.: Europe: CS, I, S.

**yasamatsui** SASAKAWA, 1961: Kontyû, **29**: 191 (*Ectrepesthoneura*). Type-locality: Hikosan, Buzen, Kyushu (Japan).—Distr.: Asia: Japan. [Probably belonging to Sciaridae (CHANDLER, 1980)].

## Doubtful species

*aliena* (WALKER, 1856): Ins. Brit., Dipt., **3**: 43 (*Sciophila*). Type-locality: England (Great Britain) [probably a junior synonym of *E. hirta* (WINNERTZ, 1846)].



**Greenomyia** BRUNETTI, 1912

BRUNETTI, 1912: Fauna of India, Nematocera: 87.

Type-species: *Greenomyia nigricoxa* BRUNETTI, 1912: l.c.: 87 (orig. des.); not Palaearctic.

**borealis** (WINNERTZ, 1863): Verh. zool.-bot. Ges. Wien, **13**: 791 (*Glaphyroptera*).

Type-locality: Frankfurt am Main [D].—Distr.: Europe: CH, D, DK, S, SF; USSR: NET, CET (La).

**flavicoxa** LAŠTOVKA et MATILE, 1974: Acta zool. hung., **20**: 98 (*Greenomyia*). Type-locality: "Central aimak: Kerulen" (Mongolia).—Distr.: Asia: Mongolia.

**lucida** (BECKER, 1908): Mitt. zool. Mus. Berlin, **4**: 65 (*Neoglaphyroptera*). Type-localities: Teneriffe: Port Orotava; Guimar; Laguna (Canary Is.).—Distr.: Canary Is.

**mongolica** LAŠTOVKA et MATILE, 1974: Acta zool. hung., **20**: 99 (*Greenomyia*). Type-locality: "Central aimak: Tosgoni ovoo" (Mongolia).—Distr.: Asia: Mongolia.

**Leia** MEIGEN, 1818

MEIGEN, 1818: Syst. Besch., **1**: 258.

Type-species: *Leia fascipennis* MEIGEN, 1818: Syst. Besch., **1**: 255 (des. CURTIS, 1837: British Ent., **13**: 645).

*Lejomya* RONDANI, 1856: Dipt. Ital. Prodrum., **1**: 195. Type-species: *Mycetophila bimaculata* MEIGEN, 1804: Klass. Besch., **1**: 92 (orig. des.).

*Lejosoma* RONDANI, 1856: Dipt. Ital. Prodrum., **1**: 195. Type-species: *Mycetophila bimaculata* MEIGEN, 1804 (aut.).

*Neoglaphyroptera* OSTEN SACKEN, 1878: Smithson. misc. Collns, **16**(2): 10; new name for *Glaphyroptera* WINNERTZ, 1863; a junior homonym of *Glaphyroptera* HERR, 1852. Type-species: *Leia fascipennis* MEIGEN, 1818: Syst. Besch., **1**: 255 (aut.).

*Glaphyroptera* WINNERTZ, 1863: Verh. zool.-bot. Ges. Wien, **13**: 771. Type-species: *Leia fascipennis* MEIGEN, 1818: Syst. Besch., **1**: 255 (des. COQUILLET, 1910: Proc. U.S. natn. Mus., **37**: 547).

*Leja*, *Leiomyia*, *Leiomya*: errors or emendations.

**arsona** HUTSON, 1978: Entomologist's mon. Mag., **113**(1977): 123 (*Leia*). Type-locality: South Africa: Grahamstown.—Distr.: Europe: GB (introduced); Africa: Kenia, South Africa; St. Helena.

**autumnata** OSTROVERKHOVA et GRISHINA, 1974: Trudy biol. biofiz. Tomsk Univ., **4**: 80 (*Leia*). Type-locality: Tomsk oblast (W Siberia, USSR).—Distr.: USSR: WS.

- beckeri** LANDROCK, 1940: Zweiflügler oder Diptera VI: Pilzmücken oder Fun-givoridae (Mycetophilidae) in DAHL: Tierw. Deutschl., **38**: 69 (*Leia*, as new name for *Neoglaphyoptera bifasciata* BECKER, 1907); a junior secondary homonym of *L. bifasciata* (VON ROSER, 1840) and *L. bifasciata* GIMMERTHAL, 1846.—Distr.: North Africa: Algeria.
- bifasciata* (BECKER, 1907): Z. syst. Hymenopt. Dipterol., **7**: 236 (*Neoglaphyoptera*). Type-locality: "Bei Constantine" (Algeria).
- bilineata** (WINNERTZ, 1863): Verh. zool.-bot. Ges. Wien, **13**: 789 (*Glaphyoptera*). Type-locality: not given (?Germany).—Distr.: Europe: A, D, GB, I, PL, SF; USSR: CET (Est, La), ES, FE.
- bifasciata* GIMMERTHAL, 1846: Bull. Soc. nat. Moscou, **19**: 56 (*Leia*); a junior secondary homonym of *L. bifasciata* von ROSER, 1840. Type-locality: Riga (Latvian SSR, USSR).
- stobli* LANDROCK, 1925: Wien. ent. Ztg, **42**: 182 (*Leia*, as new name for *Neoglaphyoptera trimaculata* STROBL, 1910); a junior secondary homonym of *L. trimaculata* MACQUART, 1834.
- trimaculata* STROBL, 1910: Mitt. naturw. Ver. Steierm., **46**: 247 (*Neoglaphyoptera*). Type-locality: Lichtmesserberg, Steiermark (Austria).
- bimaculata** (MEIGEN, 1804): Klass. Beschr., **1**: 92 (*Mycetophila*). Type-locality: not given (?Germany).—Distr.: Europe, widely distributed; USSR: NET, CET, ES; North Africa: Algeria.
- fasciola* MEIGEN, 1818: Syst. Beschr., **1**: 256 (*Leia*). Type-locality: not given (?Germany).
- octomaculata* CURTIS, 1837: Brit. Ent., **13**: 645 (*Leia*). Type-locality: England (Great Britain).
- flaviventris* (VON ROSER, 1840): CorrespBl. württ. landw. Ver. Stuttg. (N.S.), **17**(1): 51 (*Mycetophila*). Type-locality: not given (Württemberg) [D].
- stigmatella* VAN DER WULP, 1858: Tijdschr. Ent., **2**: 173 (*Leia*). Type-locality: Utrecht (Netherlands).
- crucigera** ZETTERSTEDT, 1838: Insecta Lapp.: 861 (*Leia*). Type-locality: "Hacksten prope Schievoe" (Norway).—Distr.: Europe: CS, D, F, GB, IRE, N, PL, R; USSR: CET (La).
- cylindrica** (WINNERTZ, 1863): Verh. zool.-bot. Ges. Wien, **13**: 785 (*Glaphyoptera*). Type-locality: not given (?Krefeld) [D].—Distr.: Europe: A, D, F, GB, PL.
- fasciata** STORÅ, 1936: Commentat. biol., **6**(1): 10 (*Leia*). Type-localities: Gran Canaria (Tafira and Atalaya), Tenerife (Orotava and Taraconte), Palma (Los Llanos) (Canary Is.).—Distr.: Azores; Madeira; Canary Is.
- fascipennis** MEIGEN, 1818: Syst. Beschr., **1**: 255 (*Leia*). Type-locality: not given (?Germany).—Distr.: Europe: widely distributed; Asia: ?Japan; North Africa: Algeria.
- flavicornis* MEIGEN, 1818: Syst. Beschr., **1**: 255 (*Leia*). Type-locality: not given (?Germany).

- flavipennis** LAŠTOVKA et MATILE, 1974: Acta zool. hung., **20**: 99 (*Leia*). Type-locality: "Mittelgobi aimak: 20 km S von Delgerzagt" (Mongolia).—Distr.: Asia: Mongolia.
- fuscicalcar** EDWARDS, 1928: Encycl. ent. (B II) Dipt., **4**: 160 (*Leia*). Type-locality: River Porto near Evisa, Corsica (France).—Distr.: Europe: F (Corse).
- immaculata** (GIGLIO-TOS, 1891): Boll. Musei Lab. Zool. Anat. comp. R. Univ. Torino, **6**(97): 8 (*Neoglaphyoptera*). Type-locality: Italy.—Distr.: Unrecognized.
- kamijoi** SASAKAWA, 1964: Akitu, **12**(1): 2 (*Leia*). Type-locality: Sapporo, Hokkaido (Japan).—Distr.: Asia: Japan.
- kaszabi** LAŠTOVKA et MATILE, 1974: Acta zool. hung., **20**: 102 (*Leia*). Type-locality: "Central aimak: Kerulen" (Mongolia).—Distr.: Asia: Mongolia.
- longiseta** BARENDRECHT, 1938: Tijdschr. Ent., **81**: 40 (*Leia*). Type-locality: Ommen (Netherlands).—Distr.: Europe: NL.
- maculosa** (STROBL, 1900): Wiss. Mitt. Bosn. Herzeg., **7**: 653 (*Neoglaphyoptera*). Type-locality: Travnik (Yugoslavia).—Distr.: Europe: YU.
- melanoptera** OSTROVERKHOVA, 1977: Trudy biol. biofiz. Tomsk, **8**: 29 (*Leia*). Type-locality: Khabarovskiy kray, Sovgavani (FE, USSR).—Distr.: USSR: FE.
- picta** MEIGEN, 1830: Syst. Besch., **6**: 296 (*Leia*). Type-locality: "Hamburger Gegend" [D].—Distr.: Europe: CS, D, F, NL, PL, S, SF; USSR: CET (Est, Rs).
- bivittata* VON ROSER, 1840: CorrespBl. württ. landw. Ver. Stuttg., **17**(1): 51 (*Leia*); a junior primary homonym of *L. bivittata* SAY, 1829. Type-locality: not given (Württemberg).
- posticata* ZETTERSTEDT, 1855: Dipt. Scand., **12**: 4909 (*Leia*). Type-locality: "Ölandia" (Sweden).
- piffardi** EDWARDS, 1925: Trans. R. ent. Soc. Lond., **1924**: 580 (*Leia*). Type-locality: Felden, Herts (Great Britain).—Distr.: Europe: GB.
- pilosa** OKADA, 1938: Insecta matsum., **12**: 140 (*Leia*). Type-locality: Kaigen, Manchuria (China).—Distr.: Asia: NE China, Japan (Hokkaido, Honshu).
- rubrithorax** OKADA, 1939: J. Fac. Agric. Hokkaido (imp.) Univ., **42**: 313 (*Leia*). Type-locality: Hokkaido: Sapporo (Japan).—Distr.: Asia: Japan.
- rufiptera** OSTROVERKHOVA, 1977: Trudy biol. biofiz. Tomsk. Univ., **8**: 30 (*Leia*). Type-locality: Khabarovskiy kray, Sovetsko-Gavanskij rayon (FE, USSR).—Distr.: USSR: FE.
- subfasciata** (MEIGEN, 1818): Syst. Besch., **1**: 270 (*Mycetophila*). Type-locality: not given ("In der Sammlung des Hrn Grafen von Hoffmannsegg") (?Germany).—Distr.: Europe: most parts; Asia: Japan; North Africa: Algeria.
- marklini* ZETTERSTEDT, 1838: Insecta Lapp.: 861 (*Leia*). Type-locality: "Insula Hacksten" (Norway).

- bifasciata* (VON ROSER, 1840): CorrespBl. württ. landw. Ver. Stuttg. (N.S.), 17(1): 51 (*Platyura*). Type-locality: not given (Württemberg).
- lunulata* VON ROSER, 1840: CorrespBl. württ. landw. Ver. Stuttg. (N.S.), 17(1): 51 (*Leia*). Type-locality: not given (Württemberg).
- tricuspidata* (STROBL, 1910): Mitt. naturw. Ver. Steierm., 46: 248 (*Neoglaphyrop-  
ptera*). Type-locality: Kematenwald, Admont, Steiermark (Austria).
- affinis* OKADA, 1939: J. Fac. Agric. Hokkaido (imp.) Univ., 17: 374 (*Leia*, as  
forma of *subfasciata*). Type-locality: Sapporo, Hokkaido (Japan).
- subtrifasciata** (STROBL, 1906): Mem. Soc. esp. Hist. nat., 3: (*Neoglaphyrop-  
ptera*). Type-locality: Algeciras (Spain).—Distr.: Europe: E; North Africa:  
Tunisia.
- uncinata** OSTROVERKHOVA et GRISHINA, 1974: Trudy biol. biofiz. Tomsk. Univ., 3:  
38 (*Leia*). Type-locality: Tomsk oblast (USSR).—Distr.: USSR: WS, ES,  
FE.
- winthemi** LEHMANN, 1822: Observ. zool. praesertim in fauna hamburg.: 39 (*Leia*).  
Type-locality: Hamburg.—Distr.: Europe: widely distributed; USSR:  
NET, WS, FE; Asia: Japan; India, Indonesia; North America.

### Megophthalmidia DZIEDZICKI, 1889

- DZIEDZICKI, 1889: Horae Soc. ent. ross., 23: 525.  
Type-species: *Megophthalmidia zugmayeriae* DZIEDZICKI, 1889: l.c.: 23: 526  
(mon.) [= *crassicornis* (CURTIS, 1837)].
- Rutrophora* SCHNUSE, 1901: Z. syst. Hymenopt. Dipterol., 1: 149. Type-species:  
*Rutrophora rufina* SCHNUSE, 1901: l.c.: 149 (mon.).
- Neoparastemma* SANTOS ABREU, 1920: Mem. R. Acad. Cienc. Artes Barcelona, 16:  
48. Type-species: *Neoparastemma decora* SANTOS ABREU, 1920: l.c.: 49 (mon.).
- crassicornis** (CURTIS, 1837): Brit. Ent., 13: 645 (*Leia*). Type-locality: England  
(Great Britain).—Distr.: Europe: CS, ?D, ?DDR, F, GB, IRE, NL,  
PL, S.
- brevicornis* (ZETTERSTEDT, 1852): Dipt. Scand., 11: 4147 (*Leia*). Type-locality:  
"Scania, Melby, Esperöd" (Sweden).
- valida* (WALKER, 1856): Ins. Brit., Dipt., 3: 25 (*Cordyla*). Type-locality:  
England (Great Britain).
- helvola* (WALKER, 1856): Ins. Brit., Dipt., 3: 31 (*Leia*). Type-locality: Down,  
Holywood (N Ireland, Great Britain).
- ferruginea* (VAN DER WULP, 1858): Tijdschr. Ent., 2: 175 (*Leia*). Type-locality:  
Netherlands.
- zugmayeriae* DZIEDZICKI, 1889: Horae Soc. ent. ross., 23: 526. Type-localities:  
"Freiwaldau, Sudetes en Silesie"; "Graefenberg, Preusserquelle"  
(Czechoslovakia).

- decora** (SANTOS ABREU, 1920): Mems R. Acad. Cienc. Artes Barcelona, **16**: 49 (*Neoparastemma*). Type-locality: Palma: Barranco del Rio (Canary Is.).—Distr.: Canary Is.
- rufina** (SCHNUSE, 1901): Z. syst. Hymenopt. Dipterol., **1**: 149 (*Rutrophora*). Type-locality: "Monte d'Oro auf Corsica" (France).—Distr.: Europe: F (Corse).
- takagii** SASAKAWA, 1964: Akitu, **12**: 1 (*Megophthalmidia*). Type-locality: Moiway, Sapporo, Hokkaido (Japan).—Distr.: Asia: Japan.

### **Neoclastobasis** OSTROVERKHOVA, 1970

OSTROVERKHOVA, 1970: Ent. Obozr., **49**: 453.

Type-species: *Neoclastobasis sibirica* OSTROVERKHOVA, 1970: l.c.: 453 (orig. des.).

- draskovitsae** MATILE, 1978: Folia ent. hung., **31**: 168 (*Neoclastobasis*). Type-locality: Mátra hegység, Kékes-Ilonavölgy (Hungary).—Distr.: Europe: H.
- sibirica** OSTROVERKHOVA, 1970: Ent. Obozr., **49**: 453 (*Neoclastobasis*). Type-locality: Novosibirsk district (W Siberia, USSR).—Distr.: USSR: WS.

### **Nowakia** STROBL, 1893

STROBL, 1893: Wien. ent. Ztg, **12**: 162.

Type-species: *Nowakia scatopsiformis* STROBL, 1893: l.c.: 162 (mon.).

*Kerteszina* ENDERLEIN, 1913: Zool. Anz., **43**: 27. Type-species: *Kerteszina tunesica* ENDERLEIN, 1913: l.c.: 27 (mon.) [= *scatopsiformis* STROBL, 1893].

- scatopsiformis** STROBL, 1893: Wien. ent. Ztg, **12**: 162 (*Nowakia*). Type-locality: Dalmatia (Yugoslavia).—Distr.: Europe: YU; North Africa: Tunisia.
- tunesica* (ENDERLEIN, 1913): Zool. Anz., **43**: 27 (*Kerteszina*). Type-locality: Tunis (Tunisia).
- simillina** STROBL, 1910: Mitt. naturw. Ver. Steierm., **46**: 45 (*Nowakia*). Type-locality: Admont, Steiermark (Austria).—Distr.: Europe: A.

### **Rondaniella** JOHANNSEN, 1909

JOHANNSEN, 1909: Mycetophilidae in WYTSMAN: Genera Insectorum, Fasc. **93**: 60.

Type-species: *Leia variegata* WINNERTZ, 1863: Verh. zool.-bot. Ges. Wien, **13**: 794 (orig. des.) [= *dimidiata* (MEIGEN, 1804)].

*Leia*: WINNERTZ, 1863: l.c.: 793.

- dimidiata** (MEIGEN, 1804): Klass. Beschr., **1**: 91 (*Mycetophila*). Type-locality: not given (?Germany).—Distr.: Europe: widely distributed; USSR: NET, CET, WS, ES, FE; Asia: Mongolia, Japan; North America.

- terminalis* (MEIGEN, 1818): Syst. Besch., 1: 254 (*Leia*). Type-locality: "Gebirge Montjoie" (Germany).
- apicalis* (ZETTERSTEDT, 1852): Dipt. Scand., 11: 4146 (*Leia*); a junior primary homonym of *Leia apicalis* VON ROSER, 1840. Type-locality: "Töien prope Christianiam" (Norway).
- elegans* (WINNERTZ, 1863): Verh. zool.-bot. Ges. Wien, 13: 793 (*Leia*). Type-locality: not given (?Krefeld) [D].
- variegata* (WINNERTZ, 1863): Verh. zool.-bot. Ges. Wien, 13: 794 (*Leia*). Type-locality: not given (?Krefeld) [D].
- japonica** (MATSUMURA, 1915): Konchu-Bunruigaku, 2: 55 (*Leia*). Type-locality: Kyoto (Japan).—Distr.: Asia: Japan.

### **Tetragoneura** WINNERTZ, 1846

WINNERTZ, 1846: Stettin. ent. Ztg, 7: 18.

Type-species: *Tetragoneura distincta* WINNERTZ, 1846: l.c.: 19 (des. JOHANNSEN, 1909: Mycetophilidae in WYTSMAN: Genera Insectorum, Fasc. 93: 34 [= *sylvatica* (CURTIS, 1837)]).

*Parastemma* GRZEGORZEK, 1885: Berl. ent. Ztg, 29: 199. Type-species: *Parastemma ambiguum* GRZEGORZEK, 1885: l.c.: 199 (mon.).

**ambigua** GRZEGORZEK, 1885: Berl. ent. Ztg, 29: 199 (*Tetragoneura*). Type-locality: W Galicia (Poland).—Distr.: Europe: D, PL, ?S.

**longicornis** (OKADA, 1937): Trans. Sapporo nat. Hist. Soc., 15: 36 (*Megophthalmidia*). Type-locality: "Insel Etorofu, S Kurilen" (USSR).—Distr.: USSR: FE (Kuril Is); Asia: Japan.

**matsutakei** (SASAKI, 1935): Nogyo, Tokyo, 657: 15 (*Parastemma*). Type-locality: Morioka, Kyoto (Japan).—Distr.: Asia: Japan.

**otohimeana** OKADA, 1939: J. Fac. Agric. Hokkaido (imp.) Univ., 42: 317 (*Tetragoneura*). Type-locality: Hokkaido, Sapporo (Japan).—Distr.: Asia: Japan.

**sylvatica** (CURTIS, 1837): Brit. Ent., 13: 641 (*Sciophila*). Type-locality: England (Great Britain).—Distr.: Europe: A, D, ?DDR, F, GB, IRE, N, PL; USSR: ?CET.

*distincta* WINNERTZ, 1846: Stettin. ent. Ztg, 7: 19 (*Tetragoneura*). Type-locality: not given (?Krefeld) [D].

*compressa* (WALKER, 1856): Ins. Brit., Dipt., 3: 42 (*Sciophila*). Type-locality: England (Great Britain).

**tibialis** SASAKAWA, 1961: Kontyû, 29: 192 (*Tetragoneura*). Type-locality: Ambo-Funayki, Yakushima, Kyushu (Japan).—Distr.: Asia: Japan.

## Doubtful species

*dissimilis* (ZETTERSTEDT, 1852): Dipt. Scand., 11: 4137 (*Sciophila*). Type-locality: "Rätan in Jemtlandia" (Sweden).

## Subfamily Mycetophilinae

## Tribe Mycetophilini

By P. LAŠTOVKA

**Dynatosoma** WINNERTZ, 1863

WINNERTZ, 1863: Verh. zool.-bot. Ges. Wien, 13: 947.

Type-species: *Mycetophila fuscicornis* MEIGEN, 1818: Syst. Besch., 1: 261 (des. JOHANNSEN, 1909: Mycetophilidae in WYTSMAN: Genera Insectorum, Fasc. 93: 114).

**camurum** SASAKAWA et KIMURA, 1974: Proc. Jap. Soc. syst. Zool., 10: 29 (*Dynatosoma*). Type-locality: Moiway, Sapporo, Hokkaido (Japan).—Distr.: Asia: Japan.

**cochleare** STROBL, 1895: Mitt. naturw. Ver. Steierm., 31(1894): 181 (*Dynatosoma*). Type-locality: "Bei Admont" (Austria).—Distr.: Europe: A, CS, D, F, GB, H, PL, R, S, SF; USSR: NET, CET (Rs, La); Asia: Japan.

*chochleare*, lapsus.

**fulviventre** BUKOWSKI, 1949: Ent. Obozr., 30(3–4): 406 (*Dynatosoma*): Type-locality: Krymskoj gosudarstvennoj zapovednik (USSR).—Distr.: USSR: SET (Uk).

**fuscicorne** (MEIGEN, 1818): Syst. Besch., 1: 261 (*Mycetophila*). Type-locality: not given (Europe).—Distr.: Europe: widely distributed; USSR: CET (Rs, La, Est), WS, ES, FE.

*praeustum* (MEIGEN, 1830): Syst. Besch., 6: 298 (*Mycetophila*). Type-locality: not given (Europe).

*amabile* (DUFOUR, 1839): Anns Sci. nat., (2) 12: 23 (*Mycetophila*). Type-locality: France.

*flexuosum* (ZETTERSTEDT, 1852): Dipt. Scand., 11: 4186 (*Mycetophila*). Type-locality: "in Jemtlandia boreali, . . . ad alpem Mulfjellet" (Sweden).

**inaequale** STROBL, 1897: Verh. Mitt. Siebenb. Ver. Naturw., 46(1896): 13 (*Dynatosoma*). Type-locality: Transs. Götzenberg (Roumania).—Distr.: Europe: R.

**longicorne** SASAKAWA et KIMURA, 1974: Proc. Jap. Soc. syst. Zool., 10: 27 (*Dynatosoma*). Type-locality: Mt. Fuji, Yamanashi Pref., Honshu (Japan).—Distr.: Asia: Japan.

- majus** LANDROCK, 1912: Wien. ent. Ztg, **31**: 38 (*Dynatosoma*). Type-locality: "Josefstal bei Adamstal" (Czechoslovakia).—Distr.: Europe: CS, F, PL, SF, YU; USSR: ?CET, ES.  
*major*; incorrect spelling.
- nigromaculatum** LUNDSTRÖM, 1913: Annl. hist.-nat. Mus. natn. hung., **11**: 320 (*Dynatosoma*). Type-locality: Kangasala (Finland).—Distr.: Europe: GB, S, SF; USSR: CET (Rs, Est, La), FE; Asia: Japan.
- maculipes* (MATSUMURA, 1915): Konchu-Bunrujgaku, **2**: 54 (*Mycetophila*, as "*Mycetophilus*"). Type-locality: Hokkaido (Japan).
- geniculatum* (MATSUMURA, 1916): Thousand Ins. Japan, Ad. **2**: 438 (*Mycetophila*, as "*Mycetophilus*"). Type-locality: not given.
- nobile** LOEW, 1873: Berl. ent. Z., **18**: 35 (*Dynatosoma*). Type-locality: "Pannonia inferiori et confinibus Daciae regionibus" (?Roumania, ?Hungary).—Distr.: Europe: A, F, ?H, ?R, SF; USSR: CET (La).
- reciprocum** (WALKER, 1848): List Dipt. Brit. Mus., **1**: 95 (*Mycetophila*). Type-locality: England (Great Britain).—Distr.: Europe: A, CS, D, F, GB, IRE, PL, SF; USSR: CET (Est, La, Rs), WS; Asia: Japan.
- nigricoxum* (ZETTERSTEDT, 1852): Dipt. Scand., **11**: 4187 (*Mycetophila*). Type-locality: "in Jemtlandia boreali. . . ad alpem Mulfjellet" (Sweden).
- rufescens** (ZETTERSTEDT, 1838): Insecta Lapp.: 865 (*Mycetophila*). Type-locality: Lycksele (Sweden).—Distr.: Europe: A, CS, N, S, SF; USSR: NET (Rs).
- lutescens* (ZETTERSTEDT, 1852): Dipt. Scand., **11**: 4178 (*Mycetophila*). Type-locality: "in Scandinavia. . . in Ostrogothia ad Lärketorp Wadstena. . . in albis Norwegicis" (Norway).
- ferrugineum* (ZETTERSTEDT, 1855): Dipt. Scand., **12**: 4913 (*Mycetophila*). Type-locality: ?Smoland (Smöla Is., Norway).
- rufithorax** STROBL, 1895: Mitt. naturw. Ver. Steierm., **31**(1894): 180 (*Dynatosoma*). Type-locality: "bei Admont" (Austria).—Distr.: Europe: A, CS.
- sapporoense** OKADA, 1939: J. Fac. agric. Hokkaido (imp.) Univ., **42**(4): 321 (*Dynatosoma*, as forma of *major*). Type-locality: Sapporo (Japan).—Distr.: Asia: Japan.
- spinimanum** SASAKAWA et KIMURA, 1974: Proc. Jap. Soc. Syst. Zool., **10**: 25 (*Dynatosoma*). Type-locality: Bibai, Hokkaido (Japan).—Distr.: Asia: Japan.
- thoracicum** (ZETTERSTEDT, 1838): Insecta Lapp.: 864 (*Mycetophila*). Type-locality: "in Lapponia Umensi. . . in alpe Brattiksfjell. . . (Lapponia Suecica meridionalis)" (Sweden).—Distr.: Europe: D, PL, S, SF; USSR: CET (Rs, Est, La), SET (Uk).

#### Doubtful species

- abdominale* (STAEGER, 1840): Naturh. Tidsskr., **3**: 246 (*Mycetophila*). Type-locality: not given (Denmark).



**Epicyptha WINNERTZ, 1863**

WINNERTZ, 1863: Verh. zool.-bot. Ges. Wien, **13**: 909.

Type-species: *Mycetophila scatophora* PERRIS, 1849: Ann. Soc. ent. Fr. (2) **7**: 58 (des. JOHANNSEN, 1909: Mycetophilidae in WYTSMAN: Genera Insectorum Fasc. **93**: 110).

*Delopsis* SKUSE, 1890: Proc. Linn. Soc. N.S.W., (2) **5**: 623. Type-species: *Delopsis flavipennis* SKUSE, 1890: Proc. Linn. Soc. N.S.W., (2) **5**: 624 (mon.).

*Allophallus* DZIEDZICKI, 1923: Discipl. biol. Arch. Soc. scient. varsaviensis, **1**(1922) (15): 3. Type-species: *Allophallus nigrobasis* DZIEDZICKI, 1923: l.c.: 3 (orig. des.).

**aterrima** (ZETTERSTEDT, 1852): Dipt. Scand., **11**: 4225 (*Mycetophila*). Type-locality: "in Svecia media et boreali... in Ostrogothia ad Wadstena in Herjeådalia ad diversorium Öfver-Hagdal... in Jemtlandia ad Skalstugan" (Sweden).—Distr.: Europe: A, CH, CS, DK, F, GB, IRE, NL, PL, R, S, SF; USSR: CET (Rs); Asia: Japan, Iran.

*selecta* (WALKER, 1856): Ins. Brit., Dipt., **3**: 16 (*Mycetophila*). Type-locality: England (Great Britain).

*scatophora* WINNERTZ, 1863: Verh. zool.-bot. Ges. Wien, **13**: 911 (*Epicyptha*). Type-locality: not given (Europe).

*fumigatus* (DZIEDZICKI, 1923): Disc. biol. Arch. Soc. Sci. varsav., **1**(1922) (15): 3 (*Allophallus*). Type-locality: not given (Europe).

**nigrobasis** (DZIEDZICKI, 1923): Discipl. biol. Arch. Soc. scient. varsaviensis, **1**(1922) (15): 3 (*Allophallus*). Type-locality: not given (Europe).—Distr.: Europe: ?PL.

**ornatipennis** (OKADA, 1939): J. Fac. agric. Hokkaido (imp.) Univ., **42**(4): 327 (*Delopsis*). Type-locality: Sapporo, Shikaribetsuko and Shikotsuko (Japan).—Distr.: Asia: Japan.

**scatophora** (PERRIS, 1849): Ann. Soc. ent. Fr., (2) **7**: 58 (*Mycetophila*). Type-locality: Grandes Landes (France).—Distr.: Europe: CS, F, GB, H, IRE, NL, PL; USSR: CET (Rs); Nearctic Region.

**torquata** MATILE, 1977: Annl. Soc. ent. Fr. (N.S.), **13**: 142 (*Epicyptha*). Type-localities: Roumanie, Olténie, forêt de Magura (Roumania) and Iran, Guilan, forêt d'Assalem (Iran).—Distr.: Europe: F, R; Asia: Iran.

**Macrobrachius DZIEDZICKI, 1889**

DZIEDZICKI, 1889: Horae Soc. ent. Ross., **23**: 520.

Type-species: *Macrobrachius kowarzii* DZIEDZICKI, 1889: l.c.: 521 (mon.).

**kowarzii** DZIEDZICKI, 1889: Horae Soc. ent. Ross., **23**: 521 (*Macrobrachius*). Type-localities: Villach (Austria); Lithuanie and Russie Blanche (USSR).—Distr.: Europe: A, F, PL, R; USSR: CET (Li, By).

**Mycetophila** MEIGEN, 1803

MEIGEN, 1803: Mag. Insektenk., **2**: 263.

Type-species: *Tipula agarici* VILLERS, 1789: Linn. ent., **3**: 393 (des. JOHANNSEN, 1909: Mycetophilidae in WYTSMAN: Genera Insectorum, Fasc. **93**: 116).

*Fungivora* MEIGEN, 1800: Nouve. Class.: 16. Type-species: *Tipula agarici* VILLERS, 1789 (as "*Tipula agarici* OLIVIER"). (des. COQUILLET, 1910: Proc. U.S. natn. Mus., **37**: 545). Name suppressed by I.C.Z.N., 1963, **20**: 339.

*Mycetina* RONDANI, 1856: Dipt. Ital. Prodromus, **1**: 195. Type-species: *Mycetophila flavipennis* MACQUART, 1826: Mém. Soc. Sci. Agric. Lille, **1823–24**: 92 (mon.).

*Mycozetaea* RONDANI, 1861: Dipt. Ital. Prodromus, **4**: 12, new name for *Mycetina* RONDANI, 1856. Type-species: *Mycetophila flavipes* MACQUART, 1826: Mém. Soc. Sci. Agric. Lille, **1823–24**: 92 (aut.).

*Mycothera* WINNERTZ, 1863: Verh. zool.-bot. Ges. Wien, **13**: 913. Type-species: *Mycetophila dimidiata* STAEGER, 1840: Naturh. Tidsskr., **3**: 247 (des. JOHANNSEN, 1909: Mycetophilidae in WYTSMAN: Genera Insectorum, Fasc. **93**: 111) [= *ocellus* WALKER, 1848].

*Opistholoba* MIK, 1891: Wien. ent. Ztg, **10**: 5. Type-species: *Mycetophila caudata* STAEGER, 1840: Naturh. Tidsskr., **3**: 243 (orig. des.).

**abbreviata** LANDROCK, 1914: Wien. ent. Ztg, **33**: 201 (*Mycetophila*). Type-locality: "im Mohratal bei Gersdorf (Mähren)" (Czechoslovakia).—Distr.: Europe: CS, H, S, SF; USSR: CET (Rs, Est, La), ES.

*luteiventris* LUNDSTRÖM, 1916: Annl. hist.-nat. Mus. natn. hung., **14**: 77 (*Mycetophila*). Type-locality: "Czibles" (Roumania).

**abjecta** (LAŠTOVKA, 1963): Čas. čsl. Spol. ent., **60**: 320 (*Fungivora*). Type-localities: "Böhmen, Komořany & Horská Kvilda" (Czechoslovakia).—Distr.: Europe: CS, D, F, PL.

**adumbrata** MIK, 1884: Wien. ent. Ztg, **3**: 81 (*Mycetophila*). Type-locality: Austria.—Distr.: Europe: A, CS, D, GB, H, SF; USSR: CET (Rs, La).

**alea** LAFFOON, 1965: Mycetophilidae, in STONE & al.: A Catalog of the Diptera of America North of Mexico: 210 (*Mycetophila*, as new name for *Mycetophila guttata* DZIEDZICKI, 1884, a junior primary homonym of *M. guttata* HUTTON, 1881).—Distr.: Europe: widely distributed; USSR: CET, WS, ES; Asia: Iran; Nearctic Region.

*guttata* DZIEDZICKI, 1884: Pam. fizyogr., **4**: 309 (*Mycetophila*). Type-locality: not given (Europe).

**asiatica** (OKADA, 1939): J. Fac. agric. Hokkaido (imp). Univ., **42**: 322 (*Fungivora*). Type-locality: Sapporo (Japan).—Distr.: Asia: Japan.

**assimilis** MATILE, 1967: Bull. Soc. ent. Fr., **72**: 212 (*Mycetophila*, as new name for *Fungivora conformis* MATILE, 1963, a junior secondary homonym of *Mycetophila conformis* WALKER, 1856).—Distr.: Europe: D, F, IRE, PL, S.

*conformis* (MATILE, 1963): Bull. Soc. ent. Fr., **68**: 40 (*Fungivora*). Type-locality: "Région parisienne" (France).

- attonsa** (LAFFOON, 1957): J. Sci. Iowa St. Coll., **31**: 233 (*Fungivora*). Type-localities: Moscow Mt. (Idaho), Lake Waha (Idaho), Mt. Constitution, Orcas Island (Washington) (USA).—Distr.: Europe: SF; Nearctic Region (USA).
- autumnalis** LUNDSTRÖM, 1909: Acta Soc. Fauna Flora fenn., **32**(2): 60 (*Mycetophila*). Type-locality: "Fennia australis" (Finland).—Distr.: Europe: GB, S, SF; USSR: FE.
- bialorussica** DZIEDZICKI, 1884: Pam. fizyogr., **4**: 311 (*Mycetophila*). Type-locality: Zaczernie, Byelorussia (USSR).—Distr.: Europe: D, F, GB, I, R, SF; USSR: CET (By, Est), FE; Asia: Iran.
- binotata** (SHINJI, 1939): Insect Wld, **43**: 195 (*Fungivora*). Type-locality: Morioka (Japan).—Distr.: Asia: Japan.
- biusta** MEIGEN, 1818: Syst. Besch., **1**: 271 (*Mycetophila*). Type-locality: "Bei Berlin" [DDR].—Distr.: Europe: A, CS, DDR, F, H, NL, PL, S, SF; USSR: NET (Rs).
- blanda** WINNERTZ, 1863: Verh. zool.-bot. Ges. Wien, **13**: 938 (*Mycetophila*). Type-locality: not given (?Krefeld) [D].—Distr.: Europe: widely distributed; USSR: NET (Rs), CET (Est, La, Rs); Asia: Mongolia.
- bohemia** (LAŠTOVKA, 1963): Čas. čsl. Spol. ent., **60**: 323 (*Fungivora*). Type-localities: "Böhmen, Horská Kvilda & Malšice" (Czechoslovakia).—Distr.: Europe: CS, D, GB, PL, S, SF; USSR: FE.
- brachypoda** OSTROVERKHOVA, 1979: Fungus-gnats (Diptera, Mycetophiloidea) of Siberia: 274 (*Mycetophila*). Type-locality: Sikhote-Alinskij zapovednik, Primorskiy kray (USSR).—Distr.: USSR: FE.
- brevitarsata** (LAŠTOVKA, 1963): Čas. čsl. Spol. ent., **60**: 320 (*Fungivora*). Type-localities: Böhmen, Horská Kvilda (Czechoslovakia) and Esbö (Finland).—Distr.: Europe: CS, D, S, SF; USSR: TC (Ge), ES, FE.
- britannica** LAŠTOVKA et KIDD, 1975: Entomologist's mon. Mag., **110**: 203 (*Mycetophila*). Type-localities: Gerrard's Cross, Bucks. and many other localities in England (Great Britain).—Distr.: Europe: F, GB, IRE.
- caudata** STAEGER, 1840: Naturh. Tidsskr., **3**: 243 (*Mycetophila*). Type-locality: not given (Denmark).—Distr.: Europe: A, CS, D, DK, F, GB, PL, S, SF; USSR: CET (Rs, Est), WS, ES; Nearctic Region.
- gibba** WINNERTZ, 1863: Verh. zool.-bot. Ges. Wien, **13**: 946 (*Mycetophila*). Type-locality: not given ("In der Sammlung des Herrn Baron von Osten-Sacken, St. Petersburg" (?Leningrad district) (USSR).
- cingulum** MEIGEN, 1830: Syst. Besch., **6**: 299 (*Mycetophila*). Type-locality: not given (Europe).—Distr.: Europe: A, CS, D, DK, F, GB, IRE, NL, PL; Nearctic Region.
- lunulata** MACQUART, 1834: Hist. nat. Ins., Dipt., **1**: 129 (*Mycetophila*). Type-locality: "Nord de la France" (France).
- bifasciata** (VON ROSER, 1840): CorrespBl. württ. landw. Ver., Stuttg. (N.S.), **17**(1): 51 (*Leia*). Type-locality: not given (Württemberg).

- clavata** OSTROVERKHOVA, 1979: Fungus-gnats (Diptera, Mycetophiloidea) of Siberia: 275 (*Mycetophila*); a junior primary homonym of *M. clavata* VAN DUZEE, 1928. Type-locality: Krasnojarskiy kray, Chakasskaya auton. obl., Bejskiy rayon (USSR).—Distr.: USSR: ES.
- confluens** DZIEDZICKI, 1884: Pam. fizyogr., 4: 315 (*Mycetophila*). Type-locality: Zaczernie, Byelorussia (USSR).—Distr.: Europe: CS, F, GB, NL, PL, S, SF; USSR: CET (Est, La).
- confusa** DZIEDZICKI, 1884: Pam. fizyogr., 4: 306 (*Mycetophila*). Type-locality: "Zaczernie, na Białejrusi".—Distr.: Europe: D, GB, SF; USSR: CET (By).
- affluctata* EDWARDS, 1941: Entomologist's mon. Mag., 77: 79 (*Mycetophila*). Type-localities: Suffolk: Eriswell; Cambs: Chippenham (Great Britain).
- continens** BECKER, 1908: Mitt. zool. Mus. Berl., 4: 63 (*Mycetophila*). Type-locality: La Palma (Canary Is.).—Distr.: Canary Is.
- corsica** EDWARDS, 1928: Encycl. ent. (B II) Dipt., 4: 181 (*Mycetophila*). Type-locality: Corsica (France).—Distr.: Europe: F (Corsica).
- curviseta** LUNDSTRÖM, 1911: Annl. hist.-nat. Mus. natn. hung., 9: 410 (*Mycetophila*). Type-localities: Szépalma (Hungary), Mošurye, Brušanje (Yugoslavia), Mehadia (Roumania), Rekawinkl (Austria).—Distr.: Europe: widely distributed; USSR: CET, FE; Asia: Iran.
- czizeki** LANDROCK, 1911: Wien. ent. Ztg, 30: 164 (*Mycetophila*). Type-locality: "Umgebung von Brünn" (Czechoslovakia).—Distr.: Europe: CS, F, PL.
- dentata** LUNDSTRÖM, 1913: Annl. hist.-nat. Mus. natn. hung., 11: 319 (*Mycetophila*). Type-locality: Felsőbánya [= Baia Sprie] (Roumania).—Distr.: Europe: CS, D, F, GB, H, PL, R, S, SF; USSR: CET, WS; Asia: Iran; Nearctic Region.
- difficilis** (BUKOWSKI, 1934): Konowia, 13: 190 (*Fungivora*). Type-locality: "im Naturschutzgebiete von Krim unweit Aluscha" (USSR).—Distr.: USSR: SET (Uk).
- distigma** MEIGEN, 1830: Syst. Besch., 6: 298 (*Mycetophila*). Type-locality: not given (Europe).—Distr.: Europe: D, PL, S; USSR: CET (By).
- w-fuscum* DZIEDZICKI, 1884: Pam. fizyogr., 4: 316 (*Mycetophila*). Type-locality: Zaczernie, Byelorussia (USSR).
- dististylata** (SASAKAWA, 1964): Trans. Kyoto ent. Soc., 12(1): 4 (*Fungivora*).—Type-locality: Shikoku (Japan).—Distr.: Asia: Japan.
- dziedzickii** CHANDLER, 1977: Syst. Ent., 2: 91 (*Mycetophila*, as new name for *Mycetophila obscura* DZIEDZICKI, 1884, a junior primary homonym of *M. obscura* WALKER, 1848).—Distr.: Europe: CH, CS, D, F, GB, NL, PL, SF; USSR: CET (Rs, Est, La).
- obscura* DZIEDZICKI, 1884: Pam. fizyogr., 4: 305 (*Mycetophila*). Type-locality: Kujawien, Chodecz (Poland).
- edwardsi** LUNDSTRÖM, 1913: Annl. hist.-nat. Mus. natn. hung., 11: 316 (*Mycetophila*, as new name for *Mycetophila nebulosa* EDWARDS, 1913; a junior

primary homonym of *M. nebulosa* STANNIUS, 1831).—Distr.: Europe: CS, D, F, GB, H, R, S; USSR: SET (Uk).

*nebulosa* EDWARDS, 1913: Trans. R. ent. Soc. Lond., **1913**: 376 (*Mycetophila*). Type-localities: New Forest, Aviemore, Logie, Crowborough (Great Britain).

*evanida* LAŠTOVKA, 1972: Acta ent. bohemoslov., **69**: 283 (*Mycetophila*). Type-localities: Smržovka, Jizerské Mts, Vrané n. Vlt., Horská Kvilda, Jelení Hory, Černý Důl, Štrbské Pleso (Czechoslovakia); Jamtland, Mullfjället (Sweden).—Distr.: Europe: CS, D, S; Asia: Mongolia.

*extincta* LOEW, 1869: Berl. ent. Z., **13**: 152 (*Mycetophila*). Type-locality: "Middle States" (USA).—Distr.: Asia: Iran; Nearctic Region.

*falcata* OSTROVERKHOVA, 1979: Fungus-gnats (Diptera, Mycetophiloidea) of Siberia: 276 (*Mycetophila*); a junior primary homonym of *M. falcata* JOHANNSEN, 1912. Type-locality: Krasnojarskiy kray, Tungusko-Chunskiy rayon, okr. pos. Vanavary (USSR).—Distr.: USSR: ES.

*fasciata* (PLOTNIKOVA, 1962): Ent. Obozr., **41**(4): 890 (*Fungivora*); a junior secondary homonym of *M. fasciata* MEIGEN, 1804. Type-locality: District of Tomsk, Western Siberia (USSR).—Distr.: USSR: CET (Rs), WS, ES.

*fenestratula* BECKER, 1908: Mitt. zool. Mus. Berl., **4**: 62 (*Mycetophila*). Type-locality: Bei Laguna auf Teneriffe (Canary Is.).—Distr.: Canary Is.

*rubiginosa* (SANTOS ABREU, 1920): Mem. R. Acad. cienc. Artes Barcelona, **16**: 145 (*Fungivora*, as var. of *fenestratula*). Type-locality: La Palma, La Fuente de Juan Alvarez (Canary Is.).

*finlandica* EDWARDS, 1913: Trans. R. ent. Soc. Lond., **1913**: 377 (*Mycetophila*). Type-locality: not given (syntypes from Finland, Great Britain, USSR).—Distr.: Europe: A, CH, CS, F, GB, IRE, NL, PL, SF; USSR: CET (Est, La, Rs), FE; Nearctic Region.

*flava* WINNERTZ, 1863: Verh. zool.-bot. Ges. Wien, **13**: 928 (*Mycetophila*); a junior primary homonym of *M. flava* WALKER, 1837. Type-locality: not given ("In der Sammlung des Herrn Baron von Osten-Sacken, St. Petersburg") (?Leningrad district, USSR).—Distr.: Europe: ?D, ?NL, S, SF; USSR: NET (Rs), CET.

*flavolineata* (BUKOWSKI, 1934): Konowia, **13**: 189 (*Fungivora*). Type-locality: "Im Naturschutzgebiete von Krim unweit Aluscha" (USSR).—Distr.: USSR: SET (Uk).

*fluctata* BECKER, 1908: Mitt. zool. Mus. Berl., **4**: 62 (*Mycetophila*). Type-locality: "bei Laguna auf Teneriffe" (Canary Is.).—Distr.: Canary Is.

*forcipata* LUNDSTRÖM, 1913: Annl. hist.-nat. Mus. natn. hung., **11**: 318 (*Mycetophila*). Type-locality: a Lapponica svecica, Muonio (Sweden).—Distr.: Europe: CS, D, F, GB, IRE, S, SF; USSR: NET (Rs), CET (Rs), WS.

*luteicauda* EDWARDS, 1913: Trans. R. ent. Soc. Lond., **1913**: 379 (*Mycetophila*). Type-localities: Growborough, Warren, Colwich Pask, Staffs, New Forest.

- formosa** LUNDSTRÖM, 1911: *Annls hist.-nat. Mus. natn. hung.*, **9**: 409 (*Mycetophila*). Type-locality: Jasenak (Yugoslavia).—Distr.: Europe: widely distributed; USSR: NET (Rs), CET (Rs), WS; Asia: Iran
- pulchra** LUNDSTRÖM, 1912: *Annls hist.-nat. Mus. natn. hung.*, **10**: 518 (*Mycetophila*). Type-locality: Tiszaborkút (Carpatians, USSR).
- franzi** PLASSMANN, 1977: *Senckenberg. biol.*, **58**: 55 (*Mycetophila*). Type-locality: Western Nepal, Maharigaon, ne. Jumla (Nepal).—Distr.: USSR: TC (Ge); Asia: Nepal.
- fraterna** WINNERTZ, 1863: *Verh. zool. bot. Ges. Wien*, **13**: 934 (*Mycetophila*). Type-locality: not given (Krefeld by lectotype des.).—Distr.: Europe: A, CH, CS, D, F, GB, H, IRE, NL, PL; USSR: CET (Rs, La).
- freyi** LUNDSTRÖM, 1909: *Acta Soc. Fauna Flora fenn.*, **32**(2): 58 (*Mycetophila*). Type-locality: "Fennia australis" (Finland).—Distr.: Europe: D, GB, SF.
- fungorum** (DE GEER, 1776): *Mem. Ins.*, **6**: 361 (*Tipula*). Type-locality: not given (Scandinavia).—Distr.: Holarctis, widely distributed; Asia: India, Malay, South China, Thailand.
- punctata** MEIGEN, 1804: *Klass. Beschr.*, **1**: 91 (*Mycetophila*). Type-locality: not given (?Germany).
- striata** (FABRICIUS, 1805): *Syst. antl.*, **58**: 5 (*Sciara*). Type-locality: not given (Europe).
- cunctans** WIEDEMANN, 1817: *Zool. Mag.*, **1**: 68 (*Mycetophila*). Type-locality: "bei Kiel" [D].
- semicineta** MEIGEN, 1818: *Syst. Beschr.*, **1**: 264 (*Mycetophila*). Type-locality: not given (Europe).
- rufa** MACQUART, 1826: *Mém. Soc. Sci. Agric. Lille*, **1823–24**: 94 (*Mycetophila*). Type-locality: North France.
- trivialis** MEIGEN, 1830: *Syst. Beschr.*, **6**: 301 (*Mycetophila*). Type-locality: not given (Europe).
- unicolor** MEIGEN, 1838: *Syst. Beschr.*, **7**: 43 (*Mycetophila*). Type-locality: "aus Baiern, auch aus der Lütticher und hiesiger Gegend" [D].
- grisea** ZETTERSTEDT, 1852: *Dipt. Scand.*, **11**: 4208 (*Mycetophila*). Type-locality: "alpem Mulfjellet, Jemtlandia" (Sweden).
- [**khasiensis** SENIOR-WHITE, 1922: *Mem. Dept. Agric. India, Ent. Ser.*, **7**: 85 (*Mycetophila*). Type-locality: Shillong, India.]
- fusca** (BUKOWSKI, 1949): *Ent. Obozr.*, **30**: 405 (*Fungivora*); a junior secondary homonym of *Mycetophila fusca* MEIGEN, 1804 and VAN DUZEE, 1928. Type-locality: Krymskoy gosudarstvennoy zapovednik (USSR).—Distr.: USSR: SET (Uk).
- fusconitens** BECKER, 1908: *Mitt. zool. Mus. Berl.*, **4**: 63 (*Mycetophila*, as "*fusco-nitens*"). Type-locality: La Palma (Canary Is.).—Distr.: Canary Is.
- gibbula** EDWARDS, 1925: *Trans. R. ent. Soc. Lond.*, **1924**: 639 (*Mycetophila*). Type-localities: York, Crowborough, Sussex and Knebworth, Herts. (Great

Britain).—Distr.: Europe: CS, D, F, GB, PL, S; USSR: CET (Rs, La, Est); Asia: Iran.

*gibba*: DZIEDZICKI, 1884, not WINNERTZ, 1863; misidentification.

*gratiosa* WINNERTZ, 1863: Verh. zool.-bot. Ges. Wien, **13**: 941 (*Mycetophila*). Type-localities: not given ("In meiner Sammlung, in der Sammlung des Herrn Baron von Osten-Sacken in St. Petersburg und Dr. Schiner in Wien") [D, USSR, Austria].—Distr.: Europe: A, CS, D, PL, SF; USSR: NET (Rs); Asia: Iran.

*maculipennis* WINNERTZ, 1863: Verh. zool.-bot. Ges. Wien, **13**: 939 (*Mycetophila*); a junior primary homonym of *M. maculipennis* SAY, 1824 or STANNIUS, 1831. Type-locality: "Im königlichen Museum zu Berlin" (?district of Berlin).

*gradiosa*: lapsus.

*hamata* WINNERTZ, 1863: Verh. zool.-bot. Ges. Wien, **13**: 940 (*Mycetophila*). Type-locality: "Im königlichen Museum zu Berlin" (?district of Berlin).—Distr.: Europe: A, CS, ?DDR, H.

*heterochaeta* OSTROVERKHOVA, 1979: Fungus-gnats (Diptera, Mycetophiloidea) of Siberia: 278 (*Mycetophila*). Type-locality: Sikhote-Alinskiy zapovednik, Majsja (USSR).—Distr.: USSR: FE.

*hetschkoii* LANDROCK, 1918: Wien. ent. Ztg, **37**: 34 (*Mycetophila*). Type-locality: Kameral-Ellgoth, Österr.-Schlesien (Czechoslovakia).—Distr.: Europe: CS, D, GB, H, IRE, PL, S, SF; USSR: CET (Rs, La), FE.

*horrida* OSTROVERKHOVA, 1979: Fungus-gnats (Diptera, Mycetophiloidea) of Siberia: 279 (*Mycetophila*). Type-locality: Sikhote-Alinskiy zapovednik, Majsja (USSR).—Distr.: USSR: FE.

*hyrcania* LAŠTOVKA et MATILE, 1969: Anns Soc. ent. Fr. (N.S.), **5**: 682 (*Mycetophila*). Type-locality: Guilan, forêt d'Assalem (Iran).—Distr.: Europe: E, F; Asia: Iran.

*ichneumonea* SAY, 1823: J. Acad. nat. sci. Philad., **3**: 16 (*Mycetophila*). Type-locality: Pennsylvania (USA).—Distr.: Europe: widely distributed; USSR: CET (Est), TC (Ge); Asia: Japan, Mongolia; North Africa: Algeria; Nearctic Region.

*centralis* MEIGEN, 1830: Syst. Besch., **6**: 300 (*Mycetophila*). Type-locality: not given (Europe).

*idonea* LAŠTOVKA, 1972: Acta ent. bohemoslov., **69**: 279 (*Mycetophila*). Type-localities: Snina, Kyjov, Remetské Hámre, Sninský Kameň, Drahov (Slovakia), Komofany (Bohemia) (Czechoslovakia); Jatung (China); Hokkaido, Sapporo (Japan); Forêt d'Assalem (Iran).—Distr.: Europe: CS, D, H; Asia: Iran, Japan, China.

*immaculata* (DZIEDZICKI, 1884): Pam. fizyogr., **4**: 301 (*Mycothera*). Type-locality: Sapnoje, Byelorussia (USSR).—Distr.: Europe: CS, D, GB, SF; USSR: CET (By), FE.

- interrupta** BECKER, 1908: Mitt. zool. Mus. Berl., **4**: 61 (*Mycetophila*); a junior primary homonym of *M. interrupta* ZETTERSTEDT, 1852. Type-locality: "bei Laguna auf Teneriffe" (Canary Is.).—Distr.: Canary Is.
- karpatica** LANDROCK, 1925: Naturh. Maandbl., **14**: 38 (*Mycetophila*). Type-locality: "aus dem Czeladnatale (Beskiden)" (Czechoslovakia).—Distr.: Europe: CS.
- laeta** WALKER, 1848: List Dipt. Brit. Mus., **1**: 97 (*Mycetophila*). Type-locality: Nova Scotia (Canada).—Distr.: Europe: CS, PL, R, SF; USSR: CET; Canada.
- calva* LUNDSTRÖM, 1912: Annls hist.-nat. Mus. natn. hung., **10**: 519 (*Mycetophila*). Type-locality: "Hungaria: Bucsecs" (Roumania).
- laffooni** LAŠTOVKA, 1972: Acta ent. bohemoslov., **69**: 291 (*Mycetophila*). Type-localities: Wash., Mt. Rainier Nat'l Park; Ca., Saratoga (USA).—Distr.: Europe: ?D; Nearctic Region.
- lamellata** LUNDSTRÖM, 1911: Annls hist.-nat. Mus. natn. hung., **9**: 412 (*Mycetophila*). Type-locality: Mehadia (Roumania), Jasenak (Jugoslavia), Rekawinkl (Austria).—Distr.: Europe: A, CS, D, GB, H, R, YU.
- lapponica** LUNDSTRÖM, 1906: Acta Soc. Fauna Flora fenn., **29**(8): 45 (*Mycetophila*). Type-locality: "Lapponia".—Distr.: Europe: S, SF.
- lenta** JOHANNSEN, 1912: Bull. Me agric. exp. Stn., **200**: 102 (*Mycetophila*). Type-localities: Price Co., Wis.; Orono, Maine; N.C. (USA).—Distr.: USSR: WS, ES; Nearctic Region.
- tomensis* (PLOTNIKOVA, 1962): Ent. Obozr., **41**(4): 892 (*Fungivora*). Type-locality: v okresnostjach g. Tomska (USSR).
- limbata** LUNDSTRÖM, 1911: Annls hist.-nat. Mus. natn. hung., **9**: 415 (*Mycetophila*). Type-locality: Budapest (Hungary).—Distr.: Europe: H.
- longiseta** OSTROVERKHOVA, 1979: Fungus-gnats (Diptera, Mycetophiloidea) of Siberia: 281 (*Mycetophila*). Type-locality: Irkutskaya oblast, Bodajbo (USSR).—Distr.: USSR: ES.
- lubomirskii** DZIEDZICKI, 1884: Pam. fizyogr., **4**: 304 (*Mycetophila*). Type-locality: Stanislawowie, Byelorussia (USSR).—Distr.: Europe: D, GB, SF; USSR: CET (By).
- lucidithorax** (BUKOWSKI, 1934): Konowia, **13**: 188 (*Fungivora*). Type-locality: "im Naturschutzgebiete von Krim unweit Aluscha" (USSR).—Distr.: USSR: SET (Uk).
- luctuosa** MEIGEN, 1830: Syst. Beschr., **6**: 299 (*Mycetophila*). Type-locality: not given (Europe).—Distr.: Europe: widely distributed; USSR: CET (Rs, Est, La), WS, ES; Nearctic Region.
- modesta* WINNERTZ, 1863: Verh. zool.-bot. Ges. Wien., **13**: 942 (*Mycetophila*). Type-locality: not given ("In der Sammlung des Herrn Baron von Ostensacken in St. Petersburg") (USSR); "auch hier. . ." [D].
- lunata** MEIGEN, 1804: Klass. Beschr., **1**: 90 (*Mycetophila*). Type-locality: not given, (?Germany).—Distr.: Europe: A, CS, ?D, DK, F, GB, H, PL, ?SF; USSR: WS, ES, FE.



- magnicauda** STROBL, 1895: Mitt. Naturw. Ver. Steierm., **31**(1894): 175 (*Mycetophila*). Type-localities: Admont, Mühlau, Styria (Austria).—Distr.: Europe: A, CH, CS, D, GB, IRE, PL, SF; USSR: CET.
- marginata** WINNERTZ, 1863: Verh. zool.-bot. Ges. Wien, **13**: 934 (*Mycetophila*). Type-locality: not given (?Krefeld) [D].—Distr.: Europe: widely distributed; USSR: CET (Est, La).
- matsumurai** LAŠTOVKA, 1972: Acta ent. bohemoslov., **69**: 288 (*Mycetophila*, as new name for *Mycetophila centralis* MATSUMURA, 1915, a junior primary homonym of *M. centralis* MEIGEN, 1830).—Distr.: Asia: Japan.  
*centralis* MATSUMURA, 1915: Konchu-Bunruigaku, **2**: 54 (*Mycetophila*). Type-locality: Hokkaido, Sapporo (Japan).
- mikii** DZIEDZICKI, 1884: Pam. fizyogr., **4**: 312 (*Mycetophila*). Type-localities: Zaczernie, Pioromont, Byelorussia (USSR).—Distr.: Europe: CS, D, F, H; USSR: NET, CET, ES, FE.  
*longelamellata* LUNDSTRÖM, 1911: Annl. hist.-nat. Mus. natn. hung., **9**: 411 (*Mycetophila*). Type-locality: Mehadia (Roumania).
- minuta** OSTROVERKHOVA, 1979: Fungus-gnats (Diptera, Mycetophiloidea) of Siberia: 283 (*Mycetophila*); a junior primary homonym of *M. minuta* STAEGER, 1840. Type-locality: Primorskiy kray, Sikhote-Alinskiy zapovednik, Majsja (USSR).—Distr.: USSR: FE.
- mitis** (JOHANNSEN, 1912): Bull. Me agric. exp. Stn, **200**: 82 (*Mycothera*). Type-locality: Wisconsin (USA).—Distr.: Europe: F, GB, SF; Nearctic Region.  
*jenkinsoni* EDWARDS, 1941: Entomologist's mon. Mag., **77**: 81 (*Mycetophila*). Type-locality: Elgin: Logie (Great Britain).
- mohilivensis** DZIEDZICKI, 1884: Pam. fizyogr., **4**: 310 (*Mycetophila*). Type-locality: Zaczernie, Byelorussia (USSR).—Distr.: Europe: F, SF; USSR: CET (By).
- montana** LANDROCK, 1925: Naturh. Maandbl., **14**: 40 (*Mycetophila*). Type-locality: "aus dem Czeladnatale (Beskiden)" (Czechoslovakia).—Distr.: Europe: CS.
- moravica** LANDROCK, 1925: Naturh. Maandbl., **14**: 38 (*Mycetophila*). Type-localities: Nordmähren, Mohratal bei Gersdorf und Lobnigtal bei Hof (Czechoslovakia).—Distr.: Europe: CS, S, SF; USSR: WS, ES, FE; Nearctic Region.  
*paradoxa* (PLOTNIKOVA, 1962): Ent. Obozr., **41**(4): 893 (*Fungivora*). Type-locality: v okresnostjach g. Tomska (USSR).
- morosa** WINNERTZ, 1863: Verh. zool.bot. Ges. Wien, **13**: 945 (*Mycetophila*). Type-locality: not given ("In der Sammlung des Herrn Baron von Ostensacken in St. Petersburg") (USSR).—Distr.: Europe: A, D, GB, H, PL, SF; USSR: CET.
- naratakevora** (OKADA, 1939): J. Fac. agric. Hokkaido (imp.) Univ., **42**: 324 (*Fungivora*). Type-locality: Sapporo (Japan).—Distr.: Asia: Japan.

- nigrofusca** DZIEDZICKI, 1884: Pam. fizyogr., **4**: 306 (*Mycetophila*). Type-locality: Sapnoje, Byelorussia (USSR).—Distr.: Europe: PL; USSR: CET (By); Asia: Iran.
- occultans** LUNDSTRÖM, 1913: Anns hist.-nat. Mus. natn. hung., **11**: 313 (*Mycetophila*). Type-locality: Felsöbánya (Roumania).—Distr.: Europe: A, CS, D, F, GB, IRE, R, S, SF; USSR: ?NET.
- tarsata** WINNERTZ, 1863: Verh. zool.-bot. Ges. Wien, **13**: 944 (*Mycetophila*). Type-locality: not given (“In der Sammlung des Herrn Baron von Osten-Sacken in St. Petersburg”) (USSR).
- ocellus** WALKER, 1848: List Dipt. Brit. Mus., **1**: 95 (*Mycetophila*). Type-locality: England (Great Britain).—Distr.: Europe: widely distributed; USSR: widely distributed; Asia: Japan; Nearctic Region.
- dimidiata** STAEGER, 1840: Naturh. Tidsskr., **3**: 247 (*Mycetophila*); a junior primary homonym of *M. dimidiata* MEIGEN, 1804. Type-locality: Charlottenlund (Denmark).
- cinerea** ZETTERSTEDT, 1852: Dipt. Scand., **11**: 4193 (*Mycetophila*). Type-locality: “ad Toien” (Norway).
- vanderwulpai** (DZIEDZICKI, 1884): Pam. fizyogr., **4**: 303 (*Mycothera*). Type-locality: Warszawa (Poland).
- ornata** STEPHENS, 1829: Syst. Cat. Brit. Ins., **2**: (*Mycetophila*). Type-locality: not given (England).—Distr.: Europe: A, BG, CH, CS, D, DK, F, GB, IRE, R, SF; USSR: CET (Est), FE.
- rufescens**: authors; misidentification.
- lutescens**: authors; misidentification.
- ostensackenii** DZIEDZICKI, 1884: Pam. fizyogr., **4**: 317 (*Mycetophila*). Type-locality: Zaczernie, Byelorussia (USSR).—Distr.: USSR: CET (By).
- pallida** (BUKOWSKI, 1934): Konowia, **13**: 186 (*Fungivora*); a junior secondary homonym of *Mycetophila pallida* STANNIUS, 1831. Type-locality: “im Naturschutzgebiete von Krim unweit Aluscha” (USSR).—Distr.: USSR: SET (Uk).
- paracruciator** LAŠTOVKA et MATILE, 1974: Acta zool. hung., **20**: 106 (*Mycetophila*). Type-localities: “Chövsgöl aimak, 6 km WNW von Somon Tosoncengel; 3 km SW von Somon Burenchaan” (Mongolia).—Distr.: Europe: CH, F, I; Asia: Mongolia.
- parvula** OSTROVERKHOVA, 1979: Fungus-gnats (Diptera, Mycetophiloidea) of Siberia: 285 (*Mycetophila*), a junior primary homonym of *M. parvula* ZETTERSTEDT, 1852). Type-locality: Primorskiy kray, Sikhote-Alinskiy zapovednik, Majsa (USSR).—Distr.: USSR: FE.
- pecinai** (LAŠTOVKA, 1963): Čas. čsl. Spol. ent., **60**: 317 (*Fungivora*). Type-localities: “Böhmen, Horská Kvilda (Böhmerwald); Patejdlovka (Riesengebirge)” (Czechoslovakia).—Distr.: Europe: CS, D, S.
- perpauca** LAŠTOVKA, 1972: Acta ent. bohemoslov., **69**: 288 (*Mycetophila*). Type-locality: Hokkaido (Japan).—Distr.: Europe: D; USSR: ES; Asia: Japan.

- pictula** MEIGEN, 1830: Syst. Besch., 6: 299 (*Mycetophila*). Type-locality: not given (Europe).—Distr.: Europe: A, CS, D, DK, E, F, GB, H, N, NL, PL, S, SF; USSR: CET (Rs, Est, La); Nearctic Region.
- bimaculata* (FABRICIUS, 1805): Syst. antl.: 57 (*Sciara*); a junior secondary homonym of *Mycetophila bimaculata* MEIGEN, 1804. Type-locality: "Dania" (Denmark).
- arcuata* ZETTERSTEDT, 1838: Insecta Lapp.; 863 (*Mycetophila*). Type-localities: "in Lapponia Tornensi... Nordlandiae et ad Björkvik... Lapponiae Umensis... Wittangi... Ro Botniae borealis" (Norway, Sweden).
- laufferi* STROBL, 1906: Mem. R. Soc. esp. Hist. nat., 3(5): 396 (*Mycetophila*, as var. of *bimaculata*). Type-locality: Madrid (Spain).
- xanthopyga*: DZIEDZICKI, 1884, not WINNERTZ, 1863; misidentification.
- pseudoquadra** (BUKOWSKI, 1934): Konowia, 13: 188 (*Fungivora*). Type-locality: "im Naturschutzgebiete von Krim unweit Aluscha" (USSR).—Distr.: USSR: SET (Uk).
- pseudoquadroides** MATILE, 1967: Bull. Soc. ent. Fr., 72: 213 (*Mycetophila*). Type-locality: Barrage de Castillon (France).—Distr.: Europe: F, S.
- pumila** WINNERTZ, 1863: Verh. zool.-bot. Ges. Wien, 13: 922 (*Mycetophila*). Type-locality: not given ("In der Sammlung des Herrn Baron von Osten-Sacken in St. Petersburg") (USSR).—Distr.: Europe: widely distributed; USSR: CET (Rs, Est, La); Asia: Iran.
- pyrenaica** MATILE, 1967: Bull. Soc. ent. Fr., 72: 214 (*Mycetophila*). Type-locality: Gorges de Kakonetta (France).—Distr.: Europe: D, F.
- quadra** LUNDSTRÖM, 1909: Acta Soc. Fauna Flora fenn., 32(2): 61 (*Mycetophila*). Type-locality: "Fennia media" (Finland).—Distr.: Europe: F, H, SF.
- quadrimaculata** (BUKOWSKI, 1934): Konowia, 13: 187 (*Fungivora*). Type-locality: "im Naturschutzgebiete von Krim unweit Aluscha" (USSR).—Distr.: USSR: SET (Uk).
- rosularia** OSTROVERKHOVA, 1979: Fungus-gnats (Diptera, Mycetophiloidea) of Siberia: 285 (*Mycetophila*). Type-locality: Primorskiy kray, Sikhote-Alinskiy zapovednik, Majsja (USSR).—Distr.: USSR: FE.
- rudis** WINNERTZ, 1863: Verh. zool.-bot. Ges. Wien, 13: 935 (*Mycetophila*). Type-locality: not given (Europe).—Distr.: Europe: A, CS, D, GB, IRE, PL, R; Asia: Iran; Java.
- ruficollis** MEIGEN, 1818: Syst. Besch., 1: 262 (*Mycetophila*). Type-locality: "Österreich" (Austria).—Distr.: Europe: A, CS, D, F, GB, IRE; USSR: WS, FE; Asia: Japan, Iran.
- schnablii** (DZIEDZICKI, 1884): Pam. fizyogr., 4: 299 (*Mycothera*). Type-locality: "Zaczernie v gubernii Mohilewskiej na Bialorusi" (USSR).—Distr.: Europe: A, CS, F, S, SF; USSR: CET (Rs, By, Est, La), ES.
- major* STROBL, 1898: Mitt. naturw. Ver. Steierm., 34(1897): 289 (*Mycetophila*, as var. of *vittipes* ZETTERSTEDT). Type-locality: Admont, Rottenmann, Hohentauern (Austria).

- flavoscutellata* LUNDSTRÖM, 1906: Acta Soc. Fauna Flora fenn., **29**(1): 43 (*Mycetophila*, as "*flavo-scutellata*"). Type-locality: "Fennia" (Finland).
- scotica** EDWARDS, 1941: Entomologist's mon. Mag., **77**: 80 (*Mycetophila*). Type-locality: Cromarty: Dingwall (Great Britain).—Distr.: Europe: D, F, GB, I, PL, R; Nearctic Region.
- semifusca** MEIGEN, 1818: Syst. Besch., **1**: 267 (*Mycetophila*). Type-locality: not given (Europe).—Distr.: Europe: A, CS, D, F, GB, NL, PL, S, SF; USSR: NET (Rs), CET (La).
- fascipennis* (LUNDSTRÖM, 1906): Acta Soc. Fauna Flora fenn., **29**: 35 (*Zygomysia*). Type-locality: "Fennia meridionalis" (Finland).
- septemtrionalis** (OKADA, 1939): J. Fac. agric. Hokkaido (imp.) Univ., **42**: 326 (*Fungivora*, as form of *stolida* WALKER). Type-locality: Sapporo (Japan).—Distr.: Asia: Japan.
- sepulta** (LAFFOON, 1957): J. Sci. Iowa St. College, **31**: 175 (*Fungivora*). Type-localities: Holly Springs, Woodbury Co., Iowa and many other localities in USA and Canada.—Distr.: Europe: GB; Nearctic Region.
- sequestra** PLASSMANN, 1976: Senckenberg. biol., **57**: 71 (*Mycetophila*). Type-locality: Messaure, Kaltisjökk (Sweden).—Distr.: Europe: S.
- sibirica** (PLOTNIKOVA, 1962): Ent. Obozr., **41**: 889 (*Fungivora*). Type-locality: v okresnostjach g. Tomska (USSR).—Distr.: USSR: WS, ES, FE.
- sigillata** DZIEDZICKI, 1884: Pam. fizyogr., **4**: 308 (*Mycetophila*). Type-locality: not given (?Krefeld) [D].—Distr.: Europe: widely distributed; USSR: CET (Rs, Est, La), TC (Ge) WS, ES, FE; Nearctic Region.
- sigmoides** LOEW, 1869: Berl. ent. Z., **13**: 156 (*Mycetophila*). Type-locality: "Middle States" (USA).—Distr.: USSR: FE (Kamchatka); Nearctic Region.
- signata** MEIGEN, 1830: Syst. Besch., **6**: 298 (*Mycetophila*). Type-locality: not given (Europe).—Distr.: Europe: A, CS, F, GB, H, PL, S; USSR: CET.
- lunata* (FABRICIUS, 1805): Syst. antl.: 58 (*Sciara*); a junior secondary homonym of *Mycetophila lunata* MEIGEN, 1804. Type-locality: not given.
- signatoides** DZIEDZICKI, 1884: Pam. fizyogr., **4**: 310 (*Mycetophila*). Type-locality: Not given (probably district of Krefeld, D).
- signata*: WINNERTZ, 1863: partly; misidentification.
- similis** (SANTOS ABREU, 1920): Méms. R. Acad. Cienc. Artes Barcelona, **16**: 135 (*Fungivora*). Type-locality: La Palma (Canary Is.).—Distr.: Canary Is.
- sordida** VAN DER WULP, 1874: Tijdschr. Ent., **17**: 125 (*Mycetophila*). Type-localities: Haag, Amsterdam (Netherland).—Distr.: Europe: CH, CS, D, E, F, GB, IRE, NL, PL, SF; USSR: CET (La, Rs); Nearctic Region.
- spectabilis** WINNERTZ, 1863: Verh. zool.-bot. Ges. Wien, **13**: 932 (*Mycetophila*). Type-locality: originally not given (PLASSMANN, 1974: Krefeld, D).—Distr.: Europe: A, CS, D, F, GB, H, I, IRE, NL, PL, R.
- stolida** WALKER, 1856: Ins. Brit., Dipt., **3**: 15 (*Mycetophila*). Type-locality: England (Great Britain).—Distr.: Europe: A, CS, D, F, GB, NL, PL, S; USSR: CET (La); Asia: Iran; Nearctic Region.

- strigata** STAEGER, 1840: Naturh. Tidsskr., 3: 242 (*Mycetophila*). Type-locality: not given (Denmark).—Distr.: Europe: CS, D, DK, GB, NL, PL, SF; Nearctic Region.
- fuliginosa* DZIEDZICKI, 1884: Pam. fizyogr., 4: 313 (*Mycetophila*). Type-locality: Ciechocinek (Poland).
- strigatoides** (LANDROCK, 1927): 8. Mycetophilidae, Fliegen pal. Reg., 2(1): 177 (*Fungivora*, as “n. name” for *Mycetophila strigata*: DZIEDZICKI, not STAEGER; misidentification). Type-locality: not given.—Distr.: Europe: D, IRE, PL, S; Nearctic Region.
- strigata*: DZIEDZICKI, 1884, not STAEGER, 1840; misidentification.
- strobli** LAŠTOVKA, 1972: Acta ent. bohemoslov., 69: 281 (*Mycetophila*, as new name for *bivittata* STROBL, 1895, a junior primary homonym of *M. bivittata* STROBL, 1880).—Distr.: Europe: A, CS, D, E, S, SF; Asia: China.
- bivittata* STROBL, 1895: Mitt. naturw. Ver. Steierm., 31(1894): 171 (*Mycetophila*, as var. of *lineola* MEIGEN). Type-locality: Styria (Austria).
- stylata** (DZIEDZICKI, 1884): Pam. fizyogr., 4: 302 (*Mycothera*). Type-locality: “Zaczernie v gubernii Mohilevskej na Bialorusii” (USSR).—Distr.: Europe: CH, CS, F, GB, IRE, NL, PL, S, SF; USSR: NET (Rs), CET (Rs), WS, ES, FE.
- stylatiformis** LANDROCK, 1925: Naturh. Maandbl., 14: 38 (*Mycetophila*). Type-locality: Czeládna-Tal (Beskiden) (Czechoslovakia).—Distr.: Europe: CS.
- suburbana** OSTROVERKHOVA, 1979: Fungus-gnats (Diptera, Mycetophiloidea) of Siberia: 289 (*Mycetophila*). Type-localities: okr. Tomska; Krasnojarskiy kray, Tungussko-Chunskiy rayon, okr. pos. Vanavary (USSR).—Distr.: USSR: WS, ES.
- sumavica** (LAŠTOVKA, 1963): Čas. čsl. Spol. ent., 60: 322 (*Fungivora*). Type-locality: “Böhmen, Horská Kvilda” (Czechoslovakia).—Distr.: Europe: CS, S.
- tiefii** STROBL, 1900: Jber. naturh. Landesmus. Kärnten, 26: 174 (*Mycetophila*). Type-locality: Napoleonswiese (Austria).—Distr.: Europe: A.
- triaculeata** OSTROVERKHOVA, 1977: Vopr. biol., 1977: 23 (*Mycetophila*). Type-locality: Krasnojarskiy kray, Chakasskaya art. obl., Bejskiy rayon (West Siberia, USSR).—Distr.: USSR: WS.
- triangularis** LUNDSTRÖM, 1912: Annl. hist.-nat. Mus. natn. hung., 10: 520 (*Mycetophila*). Type-locality: “Hungaria: Kőrösmező” [= Jasinja] (USSR).—Distr.: Europe; USSR: SET (Uk).
- triangulata** DZIEDZICKI, 1884: Pam. fizyogr., 4: 314 (*Mycetophila*). Type-locality: Zaczernie, Byelorussia (USSR).—Distr.: USSR: CET (By).
- tridentata** LUNDSTRÖM, 1911: Annl. hist.-nat. Mus. natn. hung., 9: 415 (*Mycetophila*). Type-locality: “Jeselnicza” (Yugoslavia).—Distr.: Europe: GB, H, YU.
- trinotata** STAEGER, 1840: Naturh. Tidsskr., 3: 242 (*Mycetophila*). Type-locality: not given (Denmark).—Distr.: Europe: widely distributed; USSR: CET (Rs, Est, La, By); Asia: Iran; Nearctic Region.

- russata* DZIEDZICKI, 1884: Pam. fizyogr., 4: 307 (*Mycetophila*). Type-locality: Zaczernie, Byelorussia (USSR).
- ujhelyii* LUNDSTRÖM, 1916: Anns hist.-nat. Mus. natn. hung., 14: 76 (*Mycetophila*). Type-locality: Kovácspatak (Czechoslovakia).
- triseriata** (BUKOWSKI, 1949): Ent. Obozr., 30(3-4): 405 (*Fungivora*). Type-locality: Krymskoy gosudarstvennoy zapovednik (USSR).—Distr.: USSR: SET (Uk).
- tuberosa** LUNDSTRÖM, 1911: Anns hist.-nat. Mus. natn. hung., 9: 414 (*Mycetophila*). Type-localities: "Mehadia" (Roumania), "Mödling" (Austria).—Distr.: Europe: A, R.
- tungusica** OSTROVERKHOVA, 1979: Fungus-gnats (Dipt., Mycetophiloidea) of Siberia: 289 (*Mycetophila*). Type-locality: Krasnojarskiy kray, Tungusko-Chunskiy rayon, okr. pos. Vanavary (USSR).—Distr.: USSR: ES.
- unguiculata** LUNDSTRÖM, 1913: Anns hist.-nat. Mus. natn. hung., 11: 314 (*Mycetophila*). Type-locality: "Felsőbánya" (Roumania).—Distr.: Europe: CS, PL, R; USSR: FE.
- unicolor** STANNIUS, 1831: Observ. Mycetoph.: 15 (*Mycetophila*). Type-locality: not given.—Distr.: Europe: A, CS, D, F, GB, IRE, NL, PL, R; USSR: CET (Est, La).
- posticalis* LUNDSTRÖM, 1912: Anns hist.-nat. Mus. natn. hung., 10: 521 (*Mycetophila*). Type-locality: "Hungaria: Verestorony" (Roumania).
- unimaculata** (BUKOWSKI, 1934): Konowia, 13: 186 (*Fungivora*); a junior secondary homonym of *Mycetophila unimaculata* ZETTERSTEDT, 1860. Type-locality: "im Naturschutzgebiete von Krim unweit Aluscha" (USSR).—Distr.: Europe: S; USSR: SET (Uk).
- uninotata** ZETTERSTEDT, 1852: Dipt. Scand., 11: 4172 (*Mycetophila*). Type-locality: Töien (Norway).—Distr.: Europe: A, CS, D, GB, N, S, SF.
- unipunctata** MEIGEN, 1818: Syst. Besch., 1: 272 (*Mycetophila*). Type-locality: "bei Berlin" [DDR].—Distr.: Europe: A, CH, CS, D, DDR, F, GB, S, SF; USSR: CET (Est, La); Nearctic Region.
- vittipes** ZETTERSTEDT, 1852: Dipt. Scand., 11: 4191 (*Mycetophila*). Type-locality: Västergötland (Sweden).—Distr.: Europe: A, CS, D, F, GB, H, IRE, NL, PL, S, SF; USSR: NET (Rs), CET (Rs, Est, La), WS, ES, FE.
- nigricoxa* STROBL, 1900: Jber. naturh. Landesmus. Kärnten, 26: 173 (*Mycetophila*, as form of *vittipes*). Type-locality: Napoleonwiese; Schlesien; Admont (Austria, Czechoslovakia).
- v-nigrum** LUNDSTRÖM, 1913: Anns hist.-nat. Mus. natn. hung., 11: 315 (*Mycetophila*). Type-locality: "Felsőbánya" (Roumania).—Distr.: Europe: CS, PL, R; USSR: CET.
- xanthopyga** WINNERTZ, 1863: Verh. zool.-bot. Ges. Wien, 13: 927 (*Mycetophila*). Type-locality: not given (?Krefeld) [D].—Distr.: Europe: A, CS, D, F, H, PL, S; USSR: CET (La).

- melanochroitica* STROBL, 1895: Mitt. naturw. Ver. Steierm., 31(1894): 175 (*Mycetophila*). Type-locality: Admont (Austria).  
*xanthotricha* MIK, 1884: Wien. ent. Ztg, 3: 81 (*Mycetophila*). Type-locality: not given.—Distr.: Europe: A.  
*zetterstedtii* LUNDSTRÖM, 1906: Acta Soc. Fauna Flora fenn., 29(1): 29 (*Mycetophila*). Type-locality: Kuustö (Finland).—Distr.: Europe: CS, S, SF; USSR: CET (Rs), WS, ES.

### Doubtful species

- agarici* (VILLERS, 1789): Caroli Linnaei entom., 3: 393 (*Tipula*). Type-locality: not given (Europe).  
*amoena* WINNERTZ, 1863: Verh. zool.-bot. Ges. Wien, 13: 936 (*Mycetophila*); a junior primary homonym of *M. amoena* HEER, 1849. Type-locality: not given ("In der Sammlung des Herrn Senator von HEYDEN in Frankfurt am Main") [D].  
*arcuata* MEIGEN, 1818: Syst. Besch., 1: 261 (*Mycetophila*). Type-locality: not given (?France).  
*atra* MACQUART, 1834: Hist. nat. Ins., Dipt., 1: 133 (*Mycetophila*). Type-locality: "Nord de la France" (France).  
*attenuata* MEIGEN, 1818: Syst. Besch., 1: 273 (*Mycetophila*). Type-locality: "Bei Berlin..." [DDR].  
*bivittata* STROBL, 1880: Progr. k.k. Ober-Gymn. Benedictiner Seitensetten, 1880: 47 (*Mycetophila*, as var. of *signata* MEIGEN). Type-locality: Seitenstetten, Nieder-Österreich (Austria).  
*crassicornis* VON ROSER, 1840: CorresBl. württ. landw. Ver. Stuttg., (N.S.), 17(1): 51 (*Mycetophila*); a junior primary homonym of *M. crassicornis* STANNIUS, 1831. Type-locality: not given (Württemberg).  
*ferruginea* WALKER, 1837: Ent. Mag., 4: 117 (*Mycetophila*). Type-locality: England (Great Britain).  
*flavipes* MACQUART, 1826: Mém. Soc. Sci. Agric. Lille, 1823–24: 92 (*Mycetophila*). Type-locality: Lille (France).  
*fulva* WINNERTZ, 1863: Verh. zool.-bot. Ges. Wien, 13: 928 (*Mycetophila*). Type-locality: Graubünden (Switzerland).  
*fulvicollis* STANNIUS, 1831: Observ. Mycetoph.: 10 (*Mycetophila*). Type-locality: not given.  
*fulvithorax* STROBL, 1910: Mitt. naturw. Ver. Steierm., 46: 259 (*Mycetophila*). Type-locality: Admont (Austria).  
*hilaris* DUFOUR, 1839: Anns Sci. nat., (2) 12: 25 (*Mycetophila*). Type-locality: Les Landes (France).  
*incompleta* MACQUART, 1826: Mém. Soc. Sci. Agric. Lille, 1823–24: 94 (*Mycetophila*). Type-locality: Lille (France).  
*lateralis* (SANTOS ABREU, 1920): Mém. R. Acad. Cienc. Artes Barcelona, 16: 132 (*Fungivora*, as var. of *lineola* MEIGEN). Type-localities: La Palma, Barranco del Rio, Quintero, Estio y Otova (Canary Is.).  
*lineola* MEIGEN, 1818: Syst. Besch., 1: 262 (*Mycetophila*). Type-locality: not given (Europe). Not *Mycetophila lineola*: authors. Unrecognized.  
*lurida* MEIGEN, 1818: Syst. Besch., 1: 263 (*Mycetophila*). Type-locality: "Österreich" (Austria).  
*maculata* MACQUART, 1834: Hist. nat. Ins., Dipt., 1: 133 (*Mycetophila*). Type-locality: "Nord de la France" (France).  
*maculata* (SHINJI, 1939): Insect Wld, 43: 195 (*Fungivora*); a junior secondary homonym of *Mycetophila maculata* MACQUART, 1834. Type-locality: Morioka (Japan).  
*marginiefasciata* STROBL, (*Mycetophila*, as var. of *vittipes*). Type-locality: Hohentauern (Austria).  
*monostigma* MEIGEN, 1818: Syst. Besch., 1: 272 (*Mycetophila*). Type-locality: "Bei Berlin" [DDR].  
*nana* MACQUART, 1826: Mém. Soc. Sci. Agric. Lille, 1823–24: 93 (*Mycetophila*). Type-locality: "Nord de la France" (France).  
*nebulosa* STANNIUS, 1831: Observ. Mycetoph.: 14 (*Mycetophila*). Type-locality: not given.

- nigricincta* STANNIUS, 1831: *Observ. Mycetoph.*: 21 (*Mycetophila*). Type-locality: not given.
- obsoleta* ZETTERSTEDT, 1852: *Dipt. Scand.*, 11: 4192 (*Mycetophila*). Type-localities: "in Scandinavia, . . . in Scania ad Esperöd, . . . Tranås . . . in Nericia . . . Öskevik" (Sweden).
- oligoneura* STANNIUS, 1831: *Observ. Mycetoph.*: 17 (*Mycetophila*). Type-locality: not given.
- pallidicornis* MACQUART, 1826: *Mém. Soc. Sci. Agric. Lille*, 1823–24: 92 (*Mycetophila*). Type-locality: "Nord de la France" (France).
- pallipes* MEIGEN, 1838: *Syst. Besch.*, 7: 46 (*Mycetophila*). Type-locality: not given (Europe).
- parvifasciata* (SANTOS ABREU, 1920): *Mém. R. Acad. Cienc. Artes Barcelona*, 16: 148 (*Fungivora*, as var. of *interrupta* BECKER). Type-locality: La Palma, Lomo de los Gomeros (Canary Is.).
- picta* MACQUART, 1834: *Hist. nat. Inst., Dipt.*, 1: 133 (*Mycetophila*); a junior primary homonym of *M. picta* WIEDEMANN, 1817. Type-locality: "Nord de la France" (France).
- picta* WIEDEMANN, 1817: *Zool. Mag.*, 1: 67 (*Mycetophila*). Type-locality: "Bei Kiel" [D].
- punctipennis* STANNIUS, 1831: *Observ. Mycetoph.*: 12 (*Mycetophila*). Type-locality: not given.
- pygmaea* MACQUART, 1826: *Mém. Soc. Sci. Agric. Lille*, 1823–24: 93 (*Mycetophila*). Type-locality: "Nord de la France" (France).
- sericea* MACQUART, 1826: *Mém. Soc. Sci. Agric. Lille*, 1823–24: 95 (*Mycetophila*). Type-locality: "Nord de la France" (France).

### Phronia WINNERTZ, 1863

By W. HACKMAN

WINNERTZ, 1863: *Verh. zool.-bot. Ges. Wien*, 13: 875.

Type-species: *Phronia rustica* WINNERTZ, 1863: l.c.: 875 (des. JOHANNSEN, 1909: *Mycetophilidae in WYTSMAN: Genera Insectorum, Fasc. 93: 126*) [= *exigua* (ZETTERSTEDT, 1852)].

*Telmaphilus* BECKER, 1908: *Mitt. zool. Mus. Berl.*, 4: 66. Type-species: *Telmaphilus biarcuatus* BECKER, 1908: *Mitt. zool. Mus. Berl.*, 4: 67 (des. JOHANNSEN, 1909: *Mycetophilidae in WYTSMAN: Genera Insectorum, Fasc. 93: 126*).

**abbreviata** (BECKER, 1908): *Mitt. zool. Mus. Berl.*, 4: 67 (*Telmaphilus*). Type-locality: Teneriffe: Laguna (Canary Is.).—Distr.: Canary Is.; Madeira.

*obscuripes* (SANTOS ABREU, 1920): *Mems R. Acad. Cienc. Artes Barcelona*, 16: 69 (*Telmaphilus*, as var. of *abbreviatus*). Type-locality: Barranco del Rio, Palma (Canary Is.).

*abdominalis* (SANTOS ABREU, 1920): *Mems R. Acad. Cienc. Artes Barcelona*, 16: 69 (*Telmaphilus*, as var. of *abbreviatus*). Type-locality: Palma (Canary Is.).

**abreui** LANDROCK, 1927: 8. *Fungivoridae, Fliegen pal. Reg.*, 2(1): 141 (*Telmaphilus*, as new name for *T. bicolor* SANTOS ABREU, 1920, a junior secondary homonym of *T. bicolor* DZIEDZICKI, 1889).—Distr.: Canary Is.

*bicolor* (SANTOS ABREU, 1920): *Mems R. Acad. Cienc. Artes Barcelona*, 16: 60 (*Telmaphilus*). Type-locality: Palma: Fuente Bermeja (Canary Is.).

**acra** OSTROVERKHOVA, 1979: *Fungus-gnats (Diptera, Mycetophiloidea) of Siberia, Tomsk, 1979: 236*. Type-locality: Sikhote-Alinskiy zapovednik (Far East, USSR).—Distr.: USSR: FE.

**anisoloba** OSTROVERKHOVA, 1979: *Fungus-gnats (Diptera, Mycetophiloidea) of Siberia, Tomsk, 1979: 236 (Phronia)*. Type-locality: Krasnojarskiy kray,



Tungusko-Chunskij rayon, okr. pos. Vanavary (E Siberia, USSR).—  
Distr.: USSR: ES.

**apicalis** WINNERTZ, 1863: Verh. zool.-bot. Ges. Wien, **13**: 861 (*Phronia*). Type-  
locality: "im königl. Museum zu Berlin" (Germany).—Distr.: unknown.

**appropinquata** STROBL, 1900: Jber. naturh. Landesmus. Kärnten, **26**: 177 (*Phronia*).  
Type-locality: Admont, Steiermark (Austria).—Distr.: Europe: A, D,  
SF. (Probably a species of *Trichonta*).

**austriaca** WINNERTZ, 1863: Verh. zool.-bot. Ges. Wien, **13**: 859 (*Phronia*). Type-  
locality: Donau Auen (Austria).—Distr.: Europe: widely distributed;  
USSR: NET, CET, TC, WS, ES.

*signata* WINNERTZ, 1863: Verh. zool.-bot. Ges. Wien, **13**: 861 (*Phronia*). Type-  
locality: not given (?Krefeld) [D].

**aviculata** LUNDSTRÖM, 1914: Acta Soc. Fauna Flora fenn., **39**(3): 23 (*Phronia*).  
Type-locality: "Lapponia murmanensis: Kantalaks" (Kola Peninsula,  
USSR).—Distr.: Europe: SF; USSR: NET.

**basalis** WINNERTZ, 1863: Verh. zool.-bot. Ges. Wien, **13**: 870 (*Phronia*). Type-  
locality: not given (?Krefeld) [D].—Distr.: Europe: widely distributed,  
but less in the north.

*laeta* WINNERTZ, 1863: Verh. zool.-bot. Ges. Wien, **13**: 871 (*Phronia*). Type-  
locality: not given (?Krefeld) [D].

**biarcuata** (BECKER, 1908): Mitt. zool. Mus. Berl., **4**: 67 (*Telmaphilus*). Type-locality:  
Teneriffe: Laguna (Canary Is.).—Distr.: Europe: widely distributed; Asia:  
Japan; North Africa; Canary Is.

*flavida* (SANTOS ABREU, 1920): Mem. R. Acad. Cienc. Artes Barcelona, **16**: 66  
(*Telmaphilus*, as var. of *biarcuatus*). Type-locality: Canary Is; ques-  
tionable synonymy.

*johannae* STEENBERG, 1924: Vidensk. Meddr dansk naturh. Foren., **78**: 41  
(*Phronia*). Type-locality: Seeland (Denmark).

*praecox* EDWARDS, 1925: Trans. R. ent. Soc. Lond., **1924**: 626 (*Phronia*, as new  
name for *Phronia nitidiventris*: WINNERTZ, 1863, not VAN DER WULP,  
1858). Type-locality: "im königl. Museum zu Berlin unter dem Namen  
*Mycetophila praecox*" (Germany).

**bicolor** DZIEDZICKI, 1889: Horae Soc. ent. ross., **23**: 510 (*Phronia*). Type-locality:  
Rudo Guzowska (Poland).—Distr.: Europe: CH, D, ?DK, F, GB, NL, S,  
SF; USSR: CET (Rs, La), ES, FE; ?Azores; North America.

*tarsata* (STAEGER, 1840): Naturh. Tidsskr., **3**: 264 (*Mycetophila*). Type-  
locality: not given (Denmark); a questionable synonymy.

**borealis** HACKMAN, 1970: Notul. ent., **50**: 52 (*Phronia*). Type-locality: Kuusamo:  
Kiutaköngäs (Finland).—Distr.: Europe: SF.

**braueri** DZIEDZICKI, 1889: Horae Soc. ent. ross., **23**: 466 (*Phronia*). Type-localities:  
Karlsbrunn and Graefenberg [= Jeseník] (Czechoslovakia).—Distr.:  
Europe: CS, D, DDR, F, GB, NL, PL, S, SF; USSR: TC (Ge), ES; North  
America.

- annulata* WINNERTZ, 1863: Verh. zool.-bot. Ges. Wien, **13**: 860 (*Phronia*).  
Type-locality: not given (?Krefeld) [D]; a questionable synonymy.
- vittata* WINNERTZ, 1863: Verh. zool.-bot. Ges. Wien, **13**: 867 (*Phronia*). Type-locality: not given (?Krefeld) [D]; a questionable synonymy.
- caliginosa** DZIEDZICKI, 1889: Horae Soc. ent. ross., **23**: 512 (*Phronia*). Type-locality: Graefenberg [= Jeseník] (Czechoslovakia).—Distr.: Europe: CS, D, DDR, S, SF; USSR: NET, CET (By, La); North America.
- trivittata* DZIEDZICKI, 1889: Horae Soc. ent. ross., **23**: 515 (*Phronia*). Type-locality: "Zaczernie en Russie Blanche" (Byelorussia, USSR).
- senex* LACKSCHEWITZ, 1937: Arb. NatForschVer. Riga (N.F.), **21**: 41 (*Phronia*). Type-locality: "Letland: Kalvene" (Latvian SSR, USSR).
- cinerascens** WINNERTZ, 1863: Verh. zool.-bot. Ges. Wien, **13**: 873 (*Phronia*). Type-locality: not given (?Krefeld) [D].—Distr.: Europe: widely distributed; USSR: NET, CET, WS, ES; North America.
- truncata* WINNERTZ, 1863: Verh. zool.-bot. Ges. Wien, **13**: 874 (*Phronia*). Type-locality: not given (?Krefeld) [D].
- conformis** (WALKER, 1856): Ins. Brit., Dipt., **3**: 20 (*Mycetophila*). Type-locality: England (Great Britain).—Distr.: Europe: A, D, F (incl. Corsica), GB, H, PL, SF; USSR: CET, ES, FE; North America.
- leiodes* (WALKER, 1856): Ins. Brit., Dipt., **3**: 24 (*Mycetophila*). Type-locality: England (Great Britain).
- girschneri* DZIEDZICKI, 1889: Horae Soc. ent. ross., **23**: 479 (*Phronia*). Type-localities: Byelorussia (USSR) and Villach (Austria).
- connexa** OSTROVERKHOVA, 1979: Fungus-gnats (Diptera, Mycetophiloidea) of Siberia, Tomsk, **1979**: 241 (*Phronia*). Type-localities: Krasnojarskiy kray, Tungusko-Chunskiy rayon; Primorskiy kray (Shanduj, oz. Krugloe, Majsja) (E Siberia and Far East, USSR).—Distr.: USSR: ES, FE.
- cordata** LUNDSTRÖM, 1914: Acta Soc. Fauna Flora fenn., **39**(3): 22 (*Phronia*). Type-locality: Bjälöguba (Kola Peninsula, USSR).—Distr.: Europe: D, SF, USSR: NET; North America.
- cornuta** LUNDSTRÖM, 1914: Acta Soc. Fauna Flora fenn., **39**(3): 21 (*Phronia*). Type-locality: Bjälöguba (Kola Peninsula, USSR).—Distr.: Europe: S, SF; USSR: NET; North America.
- denticulata** OSTROVERKHOVA et ISOTOV, 1974: Trudy nauchno-issled. Inst. biol. biofiz. Tomsk. Univ., **3**: 36 (*Phronia*). Type-locality: Tomsk oblast, Verkhneketskiy rayon (E Siberia, USSR).—Distr.: USSR: ES, FE.
- digitata** HACKMAN, 1970: Notul. ent., **50**: 50 (*Phronia*). Type-locality: Bog of Rastila, Janakkala (Finland).—Distr.: Europe: SF; USSR: ES; North America.
- disgrega** DZIEDZICKI, 1889: Horae Soc. ent. ross., **23**: 481 (*Phronia*). Type-locality: Byelorussia (USSR).—Distr.: Europe: GB, SF; USSR: CET, ES; North America.

- angulosa* OSTROVERKHOVA, 1970: Ent. Obozr., **49**: 457 (*Phronia*). Type-locality: Krasnojarskiy zapovednik Stolby (E Siberia, USSR); a questionable synonymy.
- distincta** HACKMAN, 1970: Notul. ent., **50**: 50 (*Phronia*). Type-locality: "Lapponia inarenensis: Ivalo" (Finland).—Distr.: Europe: SF; North America.
- diversiloba** OSTROVERKHOVA, 1979: Fungus-gnats (Diptera, Mycetophiloidea) of Siberia, Tomsk, **1979**: 242 (*Phronia*). Type-locality: Sikhote-Alinskiy zapovednik (Far East, USSR).—Distr.: USSR: FE.
- dubioides** MATILE, 1969: Annl. Soc. ent. Fr. (N.S.), **5**: 249 (*Phronia*). Type-locality: Guilan, Assalem Forest (Iran).—Distr.: Asia: Iran.
- diedzickii** LUNDSTRÖM, 1906: Acta Soc. Fauna Flora fenn., **29**(1): 32 (*Phronia*). Type-locality: Kuustö (Finland).—Distr.: Europe: SF; USSR: NET, WS, ES, FE.
- dissecta* OSTROVERKHOVA, 1970: Ent. Obozr., **49**: 455 (*Phronia*). Type-locality: Krasnojarskiy zapovednik Stolby (E Siberia, USSR).
- egregia** DZIEDZICKI, 1889: Horae Soc. ent. ross., **23**: 484 (*Phronia*). Type-locality: Strzygi (Poland).—Distr.: Europe: CH, D, F, H, N (incl. Spitsbergen), PL, S, SF; USSR: NET, CET (La), ES, FE; North America.
- melaena* EDWARDS, 1924: Ann. Mag. nat. Hist., (9) **14**: 164 (*Phronia*, as var. of *egregia*). Type-locality: Liefde Bay, N Spitsbergen.
- electa** DZIEDZICKI, 1889: Horae Soc. ent. ross., **23**: 504 (*Phronia*). Type-localities: Waldegg (Austria) and Graefenberg [= Jeseník] (Czechoslovakia).—Distr.: Europe: A, CS, SF; USSR: NET, WS.
- elegans** DZIEDZICKI, 1889: Horae Soc. ent. ross., **23**: 460 (*Phronia*). Type-locality: Zaczernie (Byelorussian SSR, USSR).—Distr.: Europe: D, GB, SF; USSR: CET (By), TC (Ge), WS, ES, FE.
- elegantula** HACKMAN, 1970: Notul. ent., **50**: 43 (*Phronia*). Type-locality: "Ostrobottnia kajanensis: Aarreniemi, Sotkamo" (Finland).—Distr.: Europe: D, S, SF.
- emarginata** STROBL, 1900: Jb. naturh. Landesmus. Kärnten, **47**: 176 (*Phronia*). Type-locality: Napoleonwiese, Kärnten (Austria).—Distr.: Europe: A.
- exigua** (ZETTERSTEDT, 1852): Dipt. Scand., **11**: 4246 (*Mycetophila*). Type-locality: "Rynbjerg prope Christianiam" (Oslo, Norway).—Distr.: most parts of Europe; USSR: NET, CET, TC; North America.
- rustica* WINNERTZ, 1863: Verh. zool.-bot. Ges. Wien, **13**: 875 (*Phronia*). Type-locality: not given (?Krefeld) [D].
- longipes* WINNERTZ, 1863: Verh. zool.-bot. Ges. Wien, **13**: 875 (*Phronia*). Type-locality: not given (?Krefeld) [D].
- flavicauda** WINNERTZ, 1863: Verh. zool.-bot. Ges. Wien, **13**: 867 (*Phronia*). Type-locality: not given (?Krefeld) [D].—Distr.: unknown.
- flavicollis** WINNERTZ, 1863: Verh. zool.-bot. Ges. Wien, **13**: 858 (*Phronia*). Type-locality: not given (?Krefeld) [D].—Distr.: Europe: widely distributed; USSR: CET, WS, ES, FE; North America.

- strenua* WINNERTZ, 1863: Verh. zool.-bot. Ges. Wien, **13**: 862 (*Phronia*). Type-locality: not given (?Krefeld) [D].
- flavipes** WINNERTZ, 1863: Verh. zool.-bot. Ges. Wien, **13**: 876 (*Phronia*). Type-locality: not given (?Krefeld) [D].—Distr.: Europe: widely distributed; USSR: NET, CET, ES, FE; Asia: Japan (Honshu); North America.
- forcipata** WINNERTZ, 1863: Verh. zool.-bot. Ges. Wien, **13**: 865 (*Phronia*). Type-locality: not given (?Krefeld) [D].—Distr.: Europe: widely distributed, but not in the south; USSR: NET, CET, TC, WS, ES.
- uncinata* LUNDSTRÖM, 1916: Annl. hist.-nat. Mus. natn. hung., **14**: 75 (*Phronia*). Type-locality: Czibles (Roumania).
- forcipula** WINNERTZ, 1863: Verh. zool.-bot. Ges. Wien, **13**: 866 (*Phronia*). Type-locality: not given (?Krefeld) [D].—Distr.: Europe: A, CS, D, F (incl. Corsica), PL, S, SF; USSR: ?NET, ES, FE; North America.
- pygisiaca* WINNERTZ, 1863: Verh. zool.-bot. Ges. Wien, **13**: 870 (*Phronia*). Type-locality: not given (?Krefeld) [D]; a questionable synonymy.
- meniscoidea* OSTROVERKHOVA, 1970: Ent. Obozr., **49**: 356 (*Phronia*). Type-locality: Krasnojarskiy zapovednik Stolby (E Siberia, USSR); a questionable synonymy.
- fusciventris** VAN DUZEE, 1928: Proc. Calif. Acad. Sci., (4) **17**: 52 (*Phronia*). Type-locality: Mill Valley, Marin Co., California (USA).—Distr.: Europe: A, CH, CS, GB, PL, S, SF; USSR: NET, TC, ES; North America.
- crassitarsus* HACKMAN, 1970: Notul. ent., **50**: 48 (*Phronia*). Type-locality: "Lapponia inarensis: Ivalo" (Finland).
- gracilis** HACKMAN, 1970: Notul. ent., **50**: 41 (*Phronia*). Type-locality: Kuusamo: Juuma, Jäkälävuoma (Finland).—Distr.: Europe: SF; North America.
- humeralis** WINNERTZ, 1863: Verh. zool.-bot. Ges. Wien, **13**: 869 (*Phronia*). Type-locality: not given (?Krefeld) [D].—Distr.: Europe: A, CH, D, GB, NL, R, SF; USSR: NET, CET (La), WS.
- umbricula* GRZEGORZEK, 1875: Verh. zool.-bot. Ges. Wien, **25**: 4 (*Phronia*). Type-locality: "Sandezer Gegend", Galicia (Poland); a questionable synonymy.
- insularis** LANDROCK, 1927: 8. Fungivoridae, Fliegen pal. Reg., **2**(1): 121 (*Phronia*, as new name for *Ph. humeralis* SANTOS ABREU, 1920, a junior primary homonym of *Ph. humeralis* WINNERTZ, 1863).—Distr.: Canary Is.
- humeralis* SANTOS ABREU, 1920: Mem. R. Acad. Cienc. Artes Barcelona, **16**: 57 (*Phronia*). Type-locality: Fuente Bermeja, Palma (Canary Is.).
- interstincta** DZIEDZICKI, 1889: Horae Soc. ent. ross., **23**: 497 (*Phronia*). Type-locality: Waldegg (Austria).—Distr.: Europe: A, D, GB, S, SF; USSR: CET; North America.
- decorosa* DZIEDZICKI, 1889: Horae Soc. ent. ross., **23**: 516 (*Phronia*). Type-locality: Zaczernie, Byelorussia (USSR).
- jugata** OSTROVERKHOVA, 1979: Fungus-gnats (Diptera, Mycetophiloidea) of Siberia, Tomsk, **1979**: 248 (*Phronia*). Type-locality: Sikhote-Alinskiy zapovednik, Majsja (Far East, USSR).—Distr.: USSR: FE.

- kolpaschica** OSTROVERKHOVA, 1979: Fungus-gnats (Diptera, Mycetophiloidea) of Siberia, Tomsk, 1979: 248 (*Phronia*). Type-locality: Tomskaya obl., okr. Kolpasheva (W Siberia, USSR).—Distr.: USSR: WS, FE.
- lepida** WINNERTZ, 1863: Verh. zool.-bot. Ges. Wien, 13: 860 (*Phronia*). Type-locality: "im königl. Museum zu Berlin" (Germany).—Distr.: unknown.
- longaelamellata** STROBL, 1898: Mitt. naturw. Ver. Steierm., 34: 288 (*Phronia*). Type-locality: Veitlgraben, Steiermark (Austria).—Distr.: Europe: A, D, DDR, PL, SF; USSR: CET, ES.
- lutescens** HACKMAN, 1970: Notul. ent., 50: 46 (*Phronia*). Type-locality: "Karelia ladogensis: Uukuniemi" (Finland).—Distr.: Europe: F, SF; USSR: NET, WS, ES; North America.
- maculata** DZIEDZICKI, 1889: Horae Soc. ent. ross., 23: 471 (*Phronia*). Type-localities: Waldegg and Villach (Austria).—Distr.: Europe: A, F, PL, SF; USSR: NET, CET (La, Li, Uk).
- matilei** HACKMAN, 1972: Notul. ent., 52: 39 (*Phronia*). Type-locality: "Vaud, Grande baume du Prêx d'Aubonne" (Switzerland).—Distr.: Europe: CH, S; North America.
- minuta** LANDROCK, 1928: Konowia, 7: 241 (*Phronia*). Type-locality: "aus den Beskiden" (Czechoslovakia).—Distr.: Europe: CS, D, SF; USSR: CET, WS, ES, FE.
- mutabilis** DZIEDZICKI, 1889: Horae Soc. ent. ross., 23: 477 (*Phronia*). Type-localities: Villach (Austria), Graefenberg [= Jeseník] and Karlsbrunn (Czechoslovakia).—Distr.: Europe: A, CS, D, NL, S, SF; North America.
- aestivalis* DZIEDZICKI, 1889: Horae Soc. ent. ross., 23: 513 (*Phronia*). Type-locality: Graefenberg [= Jeseník] (Czechoslovakia).
- mutila** LUNDSTRÖM, 1911: Annl. hist.-nat. Mus. natn. hung., 9: 403 (*Phronia*). Type-locality: Admont, Steiermark (Austria).—Distr.: Austria.
- nigricornis** (ZETTERSTEDT, 1852): Dipt. Scand., 11: 4245 (*Mycetophila*). Type-locality: "in Jemtlandia ad alpem Mulfjellet" (Sweden).—Distr.: Europe: widely distributed; North America.
- dubia* DZIEDZICKI, 1889: Horae Soc. ent. ross., 23: 498 (*Phronia*). Type-localities: Villach (Austria), "Lithuania" (USSR) and Ruda Guzowska (Poland).
- nigripalpis** LUNDSTRÖM, 1909: Acta Soc. Fauna Flora fenn., 32(2): 40 (*Phronia*). Type-locality: Helsingfors (Finland).—Distr.: Europe: D, S, SF; USSR: CET (Est); North America.
- palustris* LANDROCK, 1924: Zool. Anz., 58: 80 (*Phronia*). Type-locality: "Jööpre-Hochmoor nahe Pernau" (Estonian SSR, USSR).
- nitdiventris** (VAN DER WULP, 1858): Tijdschr. Ent., 2: 181 (*Mycetophila*). Type-locality: Netherlands.—Distr.: most parts of Europe; USSR: NET, CET, TC, WS, ES; Madeira.
- vitiosa* WINNERTZ, 1863: Verh. zool.-bot. Ges. Wien, 13: 868 (*Phronia*). Type-locality: not given (?Krefeld) [D].

- squalida* WINNERTZ, 1863: Verh. zool.-bot. Ges. Wien, 13: 878 (*Phronia*). Type-locality: not given (?Krefeld) [D].
- notata** DZIEDZICKI, 1889: Horae Soc. ent. ross., 23: 473 (*Phronia*). Type-locality: Pioromont, Byelorussia (USSR).—Distr.: Europe: D, DDR, F, GB, PL, SF; USSR: CET, WS.
- obscura** DZIEDZICKI, 1889: Horae Soc. ent. ross., 23: 507 (*Phronia*). Type-locality: Zaczernie, Byelorussia (USSR).—Distr.: Europe: NL, SF; USSR: NET, CET, WS, ES, FE.
- sibirica* OSTROVERKHOVA, 1979: Fungus-gnats (Diptera, Mycetophiloidea) of Siberia, Tomsk, 1979: 251 (*Phronia*, as var of *obscura*). Type-localities: Tungussko-Chunskiy rayon Krasnojarskiy kray; Molchanovskiy, Tomskiy rayon; Tomsk obl.; Sikhote-Alinskiy zapovednik Primorskiy kray (E and W Siberia and Far East, USSR).
- obsoleta** OSTROVERKHOVA, 1979: Fungus-gnats (Diptera, Mycetophiloidea) of Siberia, Tomsk, 1979: 251 (*Phronia*). Type-locality: Krasnojarskiy kray, Tungussko-Chunskiy rayon, pos. Vanavara (E Siberia, USSR).—Distr.: USSR: ES.
- obtusa** WINNERTZ, 1863: Verh. zool.-bot. Ges. Wien, 13: 877 (*Phronia*). Type-locality: not given (?Krefeld) [D].—Distr.: Europe: A, CS, D, F, GB, H, PL, SF; USSR: CET (By, La); North America.
- ochracea** (SANTOS ABREU, 1920): Mem. R. Acad. Cienc. Artes Barcelona, 16: 55 (*Telmaphilus*). Type-locality: Barranco del Rio, Palma (Canary Is.).—Distr.: Canary Is.
- opaca** DZIEDZICKI, 1889: Horae Soc. ent. ross., 23: 519 (*Phronia*). Type-locality: Zaczernie, Byelorussia (USSR).—Distr.: USSR: CET (By), WS.
- peculiaris** DZIEDZICKI, 1889: Horae Soc. ent. ross., 23: 475 (*Phronia*). Type-locality: Karlsbrunn (Czechoslovakia).—Distr.: Europe: CS, S, SF; USSR: NET, ES; North America.
- pedicularis* LACKSCHEWITZ, 1937, error.
- persimilis** HACKMAN, 1970: Notul. ent., 50: 45 (*Phronia*). Type-locality: Esbo, Westend (Finland).—Distr.: Europe: GB, N, SF; USSR: NET, ES; North America.
- petulans** DZIEDZICKI, 1889: Horae Soc. ent. ross., 23: 465 (*Phronia*). Type-locality: Byelorussia (USSR).—Distr.: Europe: ?D, ?DDR, F, PL, ?SF; USSR: CET (By, Est, La); North America.
- pigra** WINNERTZ, 1863: Verh. zool.-bot. Ges. Wien, 13: 879 (*Phronia*). Type-locality: not given ("In der Sammlung des Herrn Baron von Osten-Sacken in St. Petersburg") (?Leningrad district) (USSR).—Distr.: unknown.
- pilosa** OSTROVERKHOVA, 1979: Fungus-gnats (Diptera, Mycetophiloidea) of Siberia, Tomsk, 1979: 252 (*Phronia*). Type-locality: Sikhote-Alinskiy zapovednik (syntypes from three localities within the nature reserve) (Far East, USSR).—Distr.: USSR: FE.

- portschinskyi** DZIEDZICKI, 1889: Horae Soc. ent. ross., **23**: 502 (*Phronia*). Type-locality: Strzygi (Poland).—Distr.: Europe: N, PL, SF; USSR: CET (La); North America.
- saxigena** DZIEDZICKI, 1889: Horae Soc. ent. ross., **23**: 492 (*Phronia*). Type-locality: Graefenberg [= Jeseník] (Czechoslovakia).—Distr.: Europe: CS.
- scalara** OSTROVERKHOVA, 1979: Fungus-gnats (Diptera, Mycetophiloidea) of Siberia, Tomsk, **1979**: 253 (*Phronia*). Type-locality: Krasnojarskiy kray, Tungusko-Chunskiy rayon, okr. pos. Vanavary (E Siberia, USSR).—Distr.: USSR: ES.
- siebeckii** DZIEDZICKI, 1889: Horae Soc. ent. ross., **23**: 495 (*Phronia*). Type-localities: Villach (Austria) and Karlsbrunn (Czechoslovakia).—Distr.: Europe: A, CS, D, GB, PL, S, SF.
- saxatilis* DZIEDZICKI, 1889: Horae Soc. ent. ross., **23**: 518 (*Phronia*). Type-locality: Villach (Austria).
- sinuata* FREEMAN, 1956: Proc. R. ent. Soc. Lond. (B), **25**: 27 (*Phronia*). Type-locality: Gerard's Cross, Bucks. (Great Britain).
- spinigera** HACKMAN, 1970: Notul. ent., **50**: 43 (*Phronia*). Type-locality: Kuusamo; Kiutaköngäs (Finland).—Distr.: Europe: F, I, SF; USSR: ES, FE.
- strenuiformis** OSTROVERKHOVA, 1979: Fungus-gnats (Diptera, Mycetophiloidea) of Siberia, Tomsk, **1979**: 255 (*Phronia*). Type-locality: Krasnojarskiy kray, Tungusko-Chunskiy rayon, okr. pos. Vanavary (E Siberia, USSR).—Distr.: USSR: WS, ES, FE.
- subsilvatica** HACKMAN, 1970: Notul. ent., **50**: 46 (*Phronia*). Type-locality: Kuusamo; Kiutaköngäs (Finland).—Distr.: Europe: SF.
- sudetica** DZIEDZICKI, 1889: Horae Soc. ent. ross., **23**: 505 (*Phronia*). Type-locality: Graefenberg [= Jeseník] (Czechoslovakia).—Distr.: Europe: CS, D, PL, SF; USSR: ?NET, TC, ES, FE; North America.
- semiatrata* DZIEDZICKI, 1889: Horae Soc. ent. ross., **23**: 493 (*Phronia*). Type-locality: Graefenberg [= Jeseník] (Czechoslovakia).
- sylvatica** DZIEDZICKI, 1889: Horae Soc. ent. ross., **23**: 488 (*Phronia*). Type-locality: Zaczernie, Byelorussia (USSR).—Distr.: Europe: ?D, ?DDR, S, SF; USSR: CET (By, Est); North America.
- taczanowskyi** DZIEDZICKI, 1889: Horae Soc. ent. ross., **23**: 462 (*Phronia*). Type-localities: Strzygi, Ruda Guzowska and Tarchomin (Poland).—Distr.: Europe: H, PL, SF; USSR: CET (Est, La); North America.
- detrunata* LACKSCHEWITZ, 1937: Arb. NatForschVer. Riga (N.F.), **21**: 41 (*Phronia*). Type-locality: "Letland: Kalvene" (Latvian SSR, USSR).
- tenuis** WINNERTZ, 1863: Verh. zool.-bot. Ges. Wien, **13**: 872 (*Phronia*). Type-locality: not given (?Krefeld) [D].—Distr.: most parts of Europe; USSR: CET, SET, WS, ES, FE; North America.
- tiefii** DZIEDZICKI, 1889: Horae Soc. ent. ross., **23**: 483 (*Phronia*). Type-locality: Villach, Kärnten (Austria).—Distr.: Europe: A, CH, CS, PL, S, SF; USSR: CET (La), ES, FE; North America.

- marginata* DZIEDZICKI, 1889: Horae Soc. ent. ross., **23**: 508 (*Phronia*). Type-localities: Waldegg (Austria), Graefenberg [= Jeseník] and Karlsbrunn (Czechoslovakia), Milosna (Poland).
- triangularis* WINNERTZ, 1863: Verh. zool.-bot. Ges. Wien, **13**: 863 (*Phronia*). Type-locality: "im königl. Museum zu Berlin" (Germany).—Distr.: Europe: A, CS, D, GB, IRE, SF; USSR: CET (La).
- tristis* STROBL, 1898: Mitt. naturw. Ver. Steierm., **34**: 287 (*Phronia*, as var. *flavicauda* WINNERTZ). Type-locality: Kematenschlucht, Steiermark (Austria).—Distr.: unknown.
- tyrrhenica* EDWARDS, 1928: Encycl. ent. (B. II) Dipt., **4**: 163 (*Phronia*, as var. of *forcipula* WINNERTZ). Type-locality: Corsica (France).—Distr.: Europe: F (Corsica).
- undulata* OSTROVERKHOVA, 1979: Fungus-gnats (Diptera, Mycetophilidae) of Siberia, Tomsk, **1979**: 257 (*Phronia*). Type-locality: Krasnojarskiy kray, Tungusko-Chunskiy rayon, okr. pos. Vanavary (E Siberia, USSR).—Distr.: USSR: ES.
- unica* DZIEDZICKI, 1889: Horae Soc. ent. ross., **23**: 500 (*Phronia*). Type-locality: Graefenberg [= Jeseník] (Czechoslovakia).—Distr.: Europe: CS, SF; USSR: ES.
- willistoni* DZIEDZICKI, 1889: Horae Soc. ent. ross., **23**: 486 (*Phronia*). Type-localities: Karlsbrunn (Czechoslovakia), "Lithuanie" and Nowo-Minsk (USSR), Strzygi (Poland).—Distr.: Europe: A, CS, D, F (Corsica), PL, S, SF; USSR: CET (Est, La, Li); North America.

### Platurocypta ENDERLEIN, 1910

ENDERLEIN, 1910: Trans. Linn. Soc. Lond., **14**: 76.

Type-species: *Platurocypta limbatifemur* ENDERLEIN, 1910: l.c.: 76 (mon.); not Palaeartic.

*Neoepicypta* COHER, 1950: Revue Ent., **21**: 114. Type-species: *Mycetophila punctum* STANNIUS, 1831: Observ. Mycetoph.: 16 (orig. des.).

*Epicypta*: authors, not WINNERTZ.

*fumipennis* (BUKOWSKI, 1934): Konowia, **13**: 191 (*Epicypta*). Type-locality: "im Naturschutzgebiete von Krim unweit Aluscha" (USSR).—Distr.: Europe: S; USSR: SET (Uk).

*punctum* (STANNIUS, 1831): Observ. Mycetoph.: 16 (*Mycetophila*). Type-locality: not given.—Distr.: Europe: widely distributed; USSR: CET (Rs, Est, La), SET (Uk), WS; Asia: Iran; Nearctic Region.

*lycogalae* (PERRIS, 1839): Anns Soc. ent. Fr., **8**: 47 (*Mycetophila*). Type-locality: Grandes Landes (France).

*testata* (EDWARDS, 1925): Ent. Tidsskr., **45**(4): 167 (*Epicypta*, as "n. name" for *Mycetophila trinotata*: WINNERTZ, 1863). Type-locality: not given



(?Krefeld) [D].—Distr.: Europe: CS, D, F, GB, IRE, PL, S, SF; USSR: CET (Rs), WS, FE; Nearctic Region.

*trinotata*: WINNERTZ, 1863, not STAEGER, 1840; misidentification.

*testacea*: authors; error.

### Doubtful species

*curona* (GIMMERTHAL, 1846): Bull. Soc. nat. Moscou, 19(3): 60 (*Mycetophila*). Type-locality: "Aus der Gegend von Pussen in Curland" (USSR: CET).

### *Sceptonia* WINNERTZ, 1863

WINNERTZ, 1863: Verh. zool.-bot. Ges. Wien, 13: 907.

Type-species: *Mycetophila nigra* MEIGEN, 1804: Klass. Besch., 1: 92 (des. JOHANNSEN, 1909: Mycetophilidae in WYTSMAN: Genera Insectorum, Fasc. 93: 113).

**concolor** WINNERTZ, 1863: Verh. zool.-bot. Ges. Wien, 13: 909 (*Sceptonia*). Type-locality: not given (?Krefeld) [D].—Distr.: Europe: A, CS, D, F, GB, NL, PL, S, SF; USSR: NET (Rs), CET (Rs, Est, La), WS, ES.

**costata** (VAN DER WULP, 1858): Tijdschr. Ent., 2: 182 (*Mycetophila*). Type-locality: "Driebergen" (Netherlands).—Distr.: Europe: GB, IRE, NL, PL, S; USSR: CET; Asia: Mongolia.

**flavipuncta** EDWARDS, 1925: Trans. R. ent. Soc. Lond., 1924: 647 (*Sceptonia*). Type-locality: Mildenhall, Suffolk (Great Britain).—Distr.: Europe: D, F, GB.

**fumipes** EDWARDS, 1925: Trans. R. ent. Soc. Lond., 1924: 647 (*Sceptonia*). Type-localities: Tottington, Norfolk, Auchencairn, Logie, Dingwall, Arran, Austwick (Great Britain).—Distr.: Europe: D, GB, IRE, NL, PL, S; USSR: CET.

**fuscipalpis** EDWARDS, 1925: Trans. R. ent. Soc. Lond., 1924: 647 (*Sceptonia*). Type-locality: New Forest, Nethy Bridge (Great Britain).—Distr.: Europe: D, GB, PL.

**humarella** EDWARDS, 1941: Entomologist's mon. Mag., 77: 82 (*Sceptonia*). Type-localities: Devon: Chudleigh, Ugbrook; Sussex: Crowborough (Great Britain).—Distr.: Europe: GB.

**membranacea** EDWARDS, 1925: Trans. R. ent. Soc. Lond., 1924: 646 (*Sceptonia*). Type-localities: Sherwood Forest, Downderry, Cornwall, Tarrington, Hereford, New Forest, Crowborough, Sussex (Great Britain).—Distr.: Europe: D, F, GB, NL, PL; USSR: CET (Est, Rs).

**nigra** (MEIGEN, 1804): Klass. Besch., 1: 92 (*Mycetophila*). Type-locality: not given (Germany).—Distr.: Europe: widely distributed; USSR: widely distributed.

**nitida** (MEIGEN, 1830): Syst. Besch., 6: 304 (*Mycetophila*). Type-locality: not given (Europe).

- pilosa** BUKOWSKI, 1934: *Konowia*, **13**: 192 (*Sceptonia*). Type-locality: "im Naturschutzgebiete von Krim unweit Aluscha" (USSR).—Distr.: Europe: ?D; USSR: SET (Uk).
- tenuis** EDWARDS, 1925: *Trans. R. ent. Soc. Lond.*, **1924**: 647 (*Sceptonia*). Type-locality: Donderry, Cornwall (Great Britain).—Distr.: Europe: F, GB, PL.

### **Trichonta** WINNERTZ, 1863

WINNERTZ, 1863: *Verh. zool.-bot. Ges. Wien*, **13**: 847.

Type-species: *Mycetophila melanura* STAEGER, 1840: *Naturh. Tidsskr.*, **3**: 259 (des. JOHANNSEN, 1909: *Mycetophilidae in WYTSMAN: Genera Insectorum*, Fasc. **93**: 94).

- aberrans** LUNDSTRÖM, 1911: *Annls hist.-nat. Mus. natn. hung.*, **9**: 402 (*Trichonta*). Type-locality: Budapest (Hungary).—Distr.: Europe: CS, H, R; USSR: CET (Rs).
- acmodonta** OSTROVERKHOVA, 1979: *Trudy vses. ent. Obsch.*, **61**: 184 (*Trichonta*). Type-locality: Krasnojarskiy kray, Tungusko-Chunskiy rayon, pos. Vanavara (USSR).—Distr.: USSR: ES.
- affinis** OSTROVERKHOVA, 1979: *Fungus-gnats (Diptera, Mycetophiloidea) of Siberia: 220* (*Trichonta*). Type-locality: Krasnojarskiy kray, Tungusko-Chunskiy rayon, pos. Vanavara (USSR).—Distr.: USSR: ES.
- apicalis** STROBL, 1898: *Mitt. naturw. Ver. Steierm.*, **34**: 286 (*Trichonta*). Type-locality: Lichtmessberge (Austria).—Distr.: Europe: A, CS, F, GB, H, S, YU, USSR: CET.
- vernalis** LANDROCK, 1913: *Z. wiss. InsektBiol.*, **9**: 88 (*Trichonta*). Type-locality: Bilowitz bei Brünn (Czechoslovakia).
- phronioides** LUNDSTRÖM, 1913: *Annls hist.-nat. Mus. natn. hung.*, **11**: 310 (*Trichonta*). Type-locality: Fuzine (Yugoslavia).
- atricauda** (ZETTERSTEDT, 1852): *Dipt. Scand.*, **11**: 4219 (*Mycetophila*). Type-locality: Skalstugan, Jämtland (Sweden).—Distr.: Europe: B, CS, D, F, GB, IRE, N, NL, S, SF; USSR: NET, (Rs), CET (Rs, Est, La), WS, ES; Nearctic Region.
- parallela** (WALKER, 1856): *Ins. Brit., Dipt.* **3**: 31 (*Leia*). Type-locality: England.
- adunca** EDWARDS, 1925: *Ent. Tidsskr.*, **45**(4): 164 (*Trichonta*, as new name for *Trichonta fissicauda*: LUNDSTRÖM, not ZETTERSTEDT). Type-locality: Kuustö (Finland).
- beata** GAGNÉ, 1981: *U.S. Dep. Agr. Bur. Ent., techn. Ser.*, **1638**: 15 (*Trichonta*). Type-localities: Redding, Conn.; Old Chelsea, Quebec; Thomkins, N.Y., Baltimore Co., N.C.; Needmore, Ind. (USA); Juuma; N. Esbo Kolmpera (Finland).—Distr.: Europe: SF; Nearctic Region.

- bezzii** LANDROCK, 1913: Z. wiss. InsektBiol., **9**: 89 (*Trichonta*). Type-locality: Adamstal (Czechoslovakia).—Distr.: Europe: CS; USSR: CET; Nearctic Region (Canada).
- bicolor** LANDROCK, 1912: Wien. ent. Ztg, **31**: 182 (*Trichonta*). Type-locality: Adamstal, Hobitschau (Czechoslovakia).—Distr.: Europe: CH, CS, D, F, GB, H, SF; USSR: CET, WS; Nearctic Region.
- bifida** LUNDSTRÖM, 1909: Acta Soc. Fauna Flora fenn., **32**: 31 (*Trichonta*). Type-localities: Kuustö, AB; Muonioniska, KEM (Finland).—Distr.: Europe: I, N, S, SF; USSR: NET, CET (Rs).
- brevicauda** LUNDSTRÖM, 1906: Acta Soc. Fauna Flora fenn., **29**: 29 (*Trichonta*). Type-locality: Kuustö, AB (Finland).—Distr.: Europe: CH, E, F, H, N, R, SF; USSR: CET (Rs, Est), ES, FE; Nearctic Region.
- canariensis** LANDROCK, 1925: Wien. ent. Ztg, **42**: 182 (*Trichonta*); as new name for *T. trivittata* SANTOS ABREU, 1920, a junior primary homonym of *T. trivittata* LUNDSTRÖM, 1916.—Distr.: Canary Is.
- trivittata* SANTOS ABREU, 1920: Memos R. Acad. Cienc. Artes Barcelona, **16**(1): 122 (*Trichonta*). Type-locality: Barranco del Río, La Palma (Canary Is.).
- canora** GAGNÉ, 1981: U.S. Dep. Agr. Bur. Ent. techn. Ser., **1638**: 16 (*Trichonta*). Type-localities: Kitee, KB; Jakalawuoma, KS; Kesälähti, KB; N. Esbo, Kolmperä (Finland).—Distr.: Europe: SF.
- clara** GAGNÉ, 1981: U.S. Dep. Agr. Bur. Ent. techn. Ser., **1638**: 17 (*Trichonta*). Type-localities: Crawford Notch, White Mts, N.H. and other localities in USA; Hertogenwald (Belgium); Utsjoki, Kuusamo, Pielisjärvi, Kesälähti, Esbo Kolmperä, Vihtijärvi (Finland).—Distr.: Europe: B, SF; Nearctic Region.
- clavigera** LUNDSTRÖM, 1913: Anns hist.-nat. Mus. natn. hung., **11**: 309 (*Trichonta*). Type-locality: "Kovácsptak" (Czechoslovakia).—Distr.: Europe: B, CS, D, F, GB, H, R; USSR: CET (Rs, La), FE.
- comica** GAGNÉ, 1981: U.S. Dep. Agr. Bur. Ent. techn. Ser., **1638**: 17 (*Trichonta*). Type-localities: Strawberry Canyon, Alameda Co., Calif.; Rocky Mt. Nat. Park, Colo. (USA); Helsinki, Juuma and Vihtijärvi (Finland); Agneliers, Basses Alpes (France).—Distr.: Europe: F, SF; Nearctic Region.
- comis** GAGNÉ, 1981: U.S. Dep. Agr. Bur. Ent. techn. Ser., **1638**: 17 (*Trichonta*). Type-locality: Juuma (Finland).—Distr.: Europe: SF.
- concinna** GAGNÉ, 1981: U.S. Dep. Agr. Bur. Ent. techn. Ser., **1638**: 18 (*Trichonta*). Type-localities: Forêt de Magura, Oltenia (Roumania); Vihtijärvi; Lumland, Veringboda; Helsinki; Kittila, Pallas; Kuusamo, Kukanen (Finland).—Distr.: Europe: R, SF.
- conjungens** LUNDSTRÖM, 1909: Acta Soc. Fauna Flora fenn., **32**: 33 (*Trichonta*). Type-locality: Pojo, AB (Finland).—Distr.: Europe: ?CS, D, GB, H, I, PL, S, SF; USSR: NET (Rs), CET (Rs, La).
- delicata** GAGNÉ, 1981: U.S. Dep. Agr. Bur. Ent. techn. Ser., **1638**: 18 (*Trichonta*). Type-localities: Lake McDonald, Glacier Park, Mont. (USA) and other

- localities in USA and Canada; Kuusamo, Vihtjarvi (Finland).—Distr.: Europe: SF; Nearctic Region.
- excisa** LUNDSTRÖM, 1916: *Annls hist.-nat. Mus. natn. hung.*, **14**: 73 (*Trichonta*). Type-locality: Czibles (Roumania).—Distr.: Europe: PL, R; USSR: ?CET.
- [**eximia** GAGNÉ, 1981: U.S. Dep. Agr. Bur. Ent. techn. Ser., **1638**: 18 (*Trichonta*). Type-localities: Priest Lake, Idaho (USA) and many other localities in USA and Canada; Jammu & Kashmir; Nepal.—Distr.: Asia: Jammu and Kashmir, Nepal; Nearctic.]
- facilis** GAGNÉ, 1981: U.S. Dep. Agr. Bur. Ent. techn. Ser., **1638**: 19 (*Trichonta*). Type-localities: North Fork Pass, Ogilvie Mts, Yukon Territory (USA); Northern Sweden, northern Norway and Finland.—Distr.: Europe: N, S, SF; Nearctic Region.
- falcata** LUNDSTRÖM, 1911: *Annls hist.-nat. Mus. natn. hung.*, **9**: 401 (*Trichonta*). Type-localities: Orsova (Roumania); Rekawinkl (Austria).—Distr.: Europe: widely distributed; USSR: ?CET, TC; Nearctic Region.
- albescens* DZIEDZICKI, 1915: *Publ. Soc. scient. Varsovie*, **3**: 11 (*Trichonta*). Type-locality: not given (Winnertz coll. in Bonn).
- fidelis** GAGNÉ, 1981: U.S. Dep. Agr. Bur. Ent. techn. Ser., **1638**: 19 (*Trichonta*). Type-locality: Nepal.—Distr.: Europe: SF; Asia: Nepal.
- fissicauda** (ZETTERSTEDT, 1852): *Dipt. Scand.*, **11**: 4221 (*Mycetophila*). Type-locality: Stalltjernstugan, Jemtlandia boreali (Sweden).—Distr.: Europe: I, S, SF; USSR: NET (Rs), ES; Nearctic Region.
- claripennis* LUNDSTRÖM, 1914: *Acta Soc. Fauna Flora fenn.*, **39**: 19 (*Trichonta*). Type-locality: Russian Lappland, LIM. Kantalaks (USSR).
- flavicauda** LUNDSTRÖM, 1914: *Acta Soc. Fauna Flora fenn.*, **39**: 19 (*Trichonta*). Type-locality: IM. Bjälöguba, Lutarmajok, Lapponia rossica (USSR).—Distr.: Europe: GB, R, SF; USSR: NET (Rs), CET (La), ES.
- largolamellata* LANDROCK, 1918: *Wien. ent. Ztg.*, **37**: 116 (*Trichonta*). Type-locality: Borosjenő (Roumania).
- [**flebilis** GAGNÉ, 1981: U.S. Dep. Agr. Bur. Ent. techn. Ser., **1638**: 20 (*Trichonta*). Type-locality: Nepal.—Distr.: Asia: Nepal.]
- floresiana** STORÅ, 1945: *Commentat. biol.*, **8**(10): 11 (*Trichonta*). Type-locality: Vales, Flores (Azores).—Distr.: Azores.
- foeda** LOEW, 1869: *Berl. ent. Z.*, **13**: 150 (*Trichonta*). Type-locality: "Middle States" (USA).—Distr.: Europe: GB, H, IRE, S; USSR: ?CET; Nearctic Region.
- stereana* EDWARDS, 1925: *Trans. R. ent. Soc. Lond.*, **1924**: 619 (*Trichonta*). Type-localities: Shefford, Beds.; Hitchin, Hitch Wood, Letchworth Herts; Clent Hills, Birmingham (Great Britain).
- fragilis** GAGNÉ, 1981: U.S. Dep. Agr. Bur. Ent. techn. Ser., **1638**: 20 (*Trichonta*). Type-localities: Matanuska, Alaska (USA); Treskavica (Yugoslavia); Forêt de Vissavona, Corsica (France); Klutakongas, KS (Finland); Yla-Tuloma, Nuorttijärvi, Russian Lappland (USSR).—Distr.: Europe: F, SF, YU; USSR: NET (Rs); Nearctic Region.

- fusca** LANDROCK, 1918: Wien. ent. Ztg, **37**: 115 (*Trichonta*). Type-locality: Ungarn (Hungary).—Distr.: Europe: D, GB, H, SF; USSR: ?CET.
- girschneri** LANDROCK, 1912: Wien. ent. Ztg, **31**: 33 (*Trichonta*). Type-locality: "aus den Thayaanen bei Tracht" (Czechoslovakia).—Distr.: Europe: CS, I, R, S, SF; USSR: NET, SET (Uk); Asia: Iran.
- lobata** BUKOWSKI, 1934: Konowia, **13**: 185 (*Trichonta*). Type-locality: "im Naturschutzgebiete von Krim unweit Aluscha" (USSR).
- hamata** MIK, 1880: Verh. zool.-bot. Ges. Wien, **30**: 604 (*Trichonta*). Type-localities: near Freystadt (Austria); Kopalning, Galicia, Ukrainian SSR (USSR) (See GAGNÉ, 1981).—Distr.: Europe: widely distributed; USSR: NET (Rs), CET (Rs, La, Uk); Nearctic Region.
- hungarica** LANDROCK, 1925: Natuurh. Maandbl., **14**: 37 (*Trichonta*). Type-locality: Borosjenő [= Ineu] (Roumania).—Distr.: Europe: R; USSR: ?CET.
- icenica** EDWARDS, 1925: Trans. R. ent. Soc. Lond., **1924**: 622 (*Trichonta*). Type-localities: Hitchin, Herts; Letchworth, Herts; Snailbeach, Salop (Great Britain).—Distr.: Europe: GB, SF; USSR: ?CET, WS, ES.
- lyrica** GAGNÉ, 1891: U.S. Dep. Agr. Bur. Ent. techn. Ser., **1638**: 23 (*Trichonta*). Type-locality: Cerfontaine, L'Eau d'Heure (Belgium).—Distr.: Europe: B.
- melanura** (STAEGER, 1840): Naturh. Tidsskr., **3**: 259 (*Mycetophila*). Type-locality: not given (Denmark). [GAGNÉ, 1981: Fredriksburg, Denmark].—Distr.: Europe: widely distributed; USSR: NET (Rs), CET (Rs), WS, ES, FE; Asia: Iran; Nearctic Region.
- melanopyga** (ZETTERSTEDT, 1852): Dipt. Scand., **11**: 4222 (*Mycetophila*). Type-locality: near Oslo (Norway).
- multigena** OSTROVERKHOVA, 1979: Fungus-gnats (Diptera, Mycetophiloidea) of Siberia 224 (*Trichonta*). Type-locality: Sikhote-Alinskiy zapovednik, Majsa (USSR).—Distr.: USSR: FE.
- obesa** WINNERTZ, 1963: Verh. zool.-bot. Ges. Wien, **13**: 854 (*Trichonta*). Type-locality: not given ("In der Sammlung des Herrn Dr. Schiner in Wien") (Austria).—Distr.: Europe: A, CS, PL; Greenland.
- obscura** STROBL, 1895: Mitt. naturw. Ver. Steierm., **31**: 162 (*Trichonta*, as var. of *obesa*). Type-locality: Lichtmessberge (Austria).
- patens** JOHANNSEN, 1912: Bull. Me agric. Exp. Stn., **196**(2): 305 (*Trichonta*). Type-locality: Ithaca, N.Y. (USA).—Distr.: Europe: SF; Nearctic Region.
- perspicua** VAN DER WULP, 1881: Tijdschr. Ent., **24**: 142 (*Trichonta*). Type-locality: Vic. Quebec (Canada).—Distr.: Europe: PL, S, SF; USSR: NET; Nearctic Region.
- mediastinalis** (LUNDSTRÖM, 1906): Acta Soc. Fauna Flora fenn., **29**(1): 19 (*Rhymosia*). Type-locality: Saarijärvi (Woldstedt) (Finland).
- pilicauda** BUKOWSKI, 1949: Ent. Obozr., **30**(3-4): 409 (*Trichonta*). Type-locality: Krymskoy gosudarstvennoy zapovednik (USSR).—Distr.: USSR: SET (Uk).

- pulchra** GAGNÉ, 1981: U.S. Dep. Agr. Bur. Ent. techn. Ser., **1638**: 25 (*Trichonta*). Type-localities: Stittsville, Ontario (USA); Monks Wood, Hunts. (Great Britain).—Distr.: Europe: GB; Nearctic Region.
- simplex** WINNERTZ, 1863: Verh. zool.-bot. Ges. Wien, **13**: 851 (*Trichonta*). Type-locality: not given (?Austria).—Distr.: Europe: A.
- [**sobria** GAGNÉ, 1981: U.S. Dep. Agr. Bur. Ent. techn. Ser., **1638**: 26 (*Trichonta*). Type-locality: Nepal.—Distr.: Asia: Nepal.]
- subfusca** LUNDSTRÖM, 1909: Acta Soc. Fauna Flora fenn., **32**(2): 35 (*Trichonta*). Type-locality: Kuustö, AB (Finland).—Distr.: Europe: B, E, F, GB, H, N, R, S, SF; USSR: CET, TC (Ge), WS, ES, FE; Nearctic Region.
- submaculata** (STAEGER, 1840): Naturh. Tidsskr., **3**: 251 (*Mycetophila*). Type-locality: Fredriksburg (Denmark).—Distr.: Europe: A, B, DK, F, GB, H, PL, R, S, SF; USSR: NET (Rs), ES, FE.
- [**superba** GAGNÉ, 1981: U. S. Dep. Agr. Bur. Ent. techn. Ser., **1638**: 27 (*Trichonta*); a junior primary homonym of *T. superba* OSTROVERKHOVA, 1979. Type-locality: Nepal.—Distr.: Asia: Nepal.]
- superba** OSTROVERKHOVA, 1979: Fungus-gnats (Diptera, Mycetophiloidea) of Siberia 226 (*Trichonta*). Type-localities: Krasnojarskiy kray, Tungusko-Chunskiy rayon, pos. Vanavara; Primorskiy kray, Sikhote-Alinskiy zapovednik (USSR).—Distr.: USSR: ES, FE.
- terminalis** (WALKER, 1856): Ins. Brit., Dipt., **3**: 21 (*Mycetophila*). Type-locality: England (Great Britain).—Distr.: Europe: A, B, CS, CH, D, E, F, G, GB, H, I, N, NL, PL, S, SF, YU; USSR: NET, CET (Rs, La, Est); Nearctic Region.
- funebri* WINNERTZ, 1863: Verh. zool.-bot. Ges. Wien, **13**: 852 (*Trichonta*). Type-locality: not given (?Germany).
- triseta** OSTROVERKHOVA, 1979: Fungus-gnats (Diptera, Mycetophiloidea) of Siberia: 226 (*Trichonta*). Type-locality: Krasnojarskiy kray, Tungusko-Chunskiy rayon, okr. pos. Vanavary (USSR).—Distr.: USSR: ES.
- trivittata** LUNDSTRÖM, 1916: Annl. hist.-nat. Mus. natn. hung., **14**: 74 (*Trichonta*). Type-locality: Czibles (Roumania).—Distr.: Europe: A, R, S, SF; USSR: CET (Est).
- venosa** (STAEGER, 1840): Naturh. Tidsskr., **3**: 256 (*Mycetophila*). Type-locality: not given (Denmark).—Distr.: Europe: widely distributed; USSR: widely distributed; Nearctic Region.
- spinosa* LUNDSTRÖM, 1906: Acta Soc. Fauna Flora fenn., **29**(1): 24 (*Trichonta*). Type-locality: Regio aboensis, Kuustö (Finland).
- vitta** (MEIGEN, 1830): Syst. Besch., **6**: 300 (*Mycetophila*). Type-locality: not given (Europe).—Distr.: Europe: widely distributed; USSR: NET, CET (Rs, Est); North Africa: Algeria; Nearctic Region.
- umbratica* WINNERTZ, 1863: Verh. zool.-bot. Ges. Wien, **13**: 853 (*Trichonta*). Type-locality: not given (Europe).
- trossula* WINNERTZ, 1863: Verh. zool.-bot. Ges. Wien, **13**: 850 (*Trichonta*). Type-locality: not given (Europe).

- nigritula* EDWARDS, 1925: Trans. R. ent. Soc. Lond., **1924**: 623 (*Trichonta*).  
Type-locality: Shefford, Beds. (Great Britain).
- vulcani** (DZIEDZICKI, 1889): Horae Soc. ent. Ross., **23**: 490 (*Phronia*). Type-localities: Villach (Austria), Graefenberg [= Jeseník] and Karlsbrunn (Czechoslovakia).—Distr.: Europe: A, CS, D, F, GB, I, N, PL, S, SF; USSR: NET, CET (Rs), WS, ES, FE; Nearctic Region.
- trifida* LUNDSTRÖM, 1909: Acta Soc. Fauna Flora fenn., **32**(2): 32 (*Trichonta*).  
Type-locality: Karislojo, Regio aboensis (Finland).
- setigera* (OSTROVERKHOVA, 1970): Ent. Obozr., **49**: 455 (*Phronia*). Type-locality: Krasnojarskiy zapovednik "Stolby", Synzhul (USSR).
- frigida*, *trispinosa*; errors.
- vulgaris** LOEW, 1869: Berl. ent. Z., **13**: 149 (*Trichonta*). Type-locality: Washington, D.C. (USA).—Distr.: Europe: CH, D, H, R, SF; USSR: NET, CET (La), TC (Ge), WS, ES, FE; Nearctic Region.
- nigricauda* LUNDSTRÖM, 1906: Acta Soc. Fauna Flora fenn., **29**(1): 27 (*Trichonta*). Type-localities: Regio aboensis, Kuustö; Muonioniska, Lapponia kemsis (Finland).
- exigua* LACKSCHEWITZ, 1937: Arb. NatForschVer. Riga (N.F.), **21**: 38 (*Trichonta*). Type-locality: Kalvene, Latvia (USSR).

### Zygomylia WINNERTZ, 1863

- WINNERTZ, 1863: Verh. zool.-bot. Ges. Wien, **13**: 901.  
Type-species: *Mycetophila vara* STAEGER, 1840: Naturh. Tidsskr., **3**: 266 (des. JOHANNSEN, 1909: Mycetophilidae in WYTSMAN: Genera Insectorum, Fasc. **93**: 112).
- Bolithomyza* RONDANI, 1856: Dipt. Ital. Prodromus, **1**: 197. Nomen nudum.
- aino** OKADA, 1939: J. Fac. agric. Hokkaido (imp.) Univ., **42**: 328 (*Zygomylia*). Type-locality: Sapporo, Shikotsuko (Japan).—Distr.: Asia: Japan.
- angusta** PLASSMANN, 1977: Senckenberg. biol., **57**(1976): 287 (*Zygomylia*). Type-locality: Allgäu, Hagenmoos-Obergünzburg (D).—Distr.: Europe: D.
- flaviventris** WINNERTZ, 1863: Verh. zool.-bot. Ges. Wien, **13**: 905 (*Zygomylia*). Type-locality: not given (?Krefeld) [D].—Distr.: Europe: ?D, NL, PL.
- nitida* (STANNIUS, 1831): Observ. Mycetoph., 18 (*Mycetophila*). Type-locality: not given.
- humeralis** (WIEDEMANN, 1817): Zool. Mag., **1**: 68 (*Mycetophila*). Type-locality: "Bei Kiel" [D].—Distr.: Europe: A, CS, D, DDR, DK, F, GB, IRE, NL, PL, R, S, SF; USSR: CET (Rs, La), SET (Uk).
- pusilla* (MEIGEN, 1830): Syst. Besch., **6**: 300 (*Mycetophila*). Type-locality: "aus der Berliner Gegend" [DDR]
- nigritula* (WALKER, 1856): Ins. Brit., Dipt., **3**: 15 (*Mycetophila*). Type-locality: England (Great Britain).

- canescens* WINNERTZ, 1863: Verh. zool.-bot. Ges. Wien, 13: 904 (*Zygomyia*). Type-locality: not given (?Krefeld) [D].
- matilei** CASPERS, 1980: Spixiana, 3(2): 143 (*Zygomyia*). Type-locality: Annaberger Bach bei Bonn (D).—Distr.: Europe: D.
- notata** (STANNIUS, 1831): Observ. Mycetoph.: 17 (*Mycetophila*). Type-locality: not given.—Distr.: Europe: A, CS, D, DK, F, GB, IRE, NL, PL, S; USSR: CET (Rs, Est, La), TC (Ge), WS; Asia: Mongolia.
- paludosa* (STAEGER, 1840): Naturh. Tidsskr., 3: 265 (*Mycetophila*). Type-locality: not given (Denmark).
- pictipennis** (STAEGER, 1840): Naturh. Tidsskr., 3: 266 (*Mycetophila*). Type-locality: not given (Denmark).—Distr.: Europe: A, CS, D, F, GB, H, IRE, NL, PL, R, S, SF; USSR: NET (Rs), CET (Rs, Est, La), SET (Rs, Uk).
- binotata* (WALKER, 1856): Ins. Brit., Dipt., 3: 11 (*Mycetophila*). Type-locality: England (Great Britain).
- planitarsata** BECKER, 1908: Mitt. zool. Mus. Berl., 4: 65 (*Zygomyia*). Type-locality: "bei Laguna auf Teneriffe" (Canary Is.).—Distr.: Canary Is.
- pseudohumeralis** CASPERS, 1980: Spixiana, 3(2): 144 (*Zygomyia*). Type-locality: Annaberger Bach bei Bonn (D).—Distr.: Europe: D.
- setosa** BARENDRECHT, 1938: Tijdschr. Ent., 81: 53 (*Zygomyia*). Type-locality: Amsterdam (Netherlands).—Distr.: Europe: D, NL.
- unica** OSTROVERKHOVA, 1979: Fungus-gnats (Diptera, Mycetophiloidea) of Siberia: 292 (*Zygomyia*). Type-locality: Tomskaya obl., okr. Tomska (USSR).—Distr.: USSR: WS.
- valida** WINNERTZ, 1863: Verh. zool.-bot. Ges. Wien, 13: 902 (*Zygomyia*). Type-locality: not given (?Krefeld) [D].—Distr.: Europe: widely distributed; USSR: CET (Rs), WS.
- paludosa*: WALKER, 1856, not STAEGER, 1840; misidentification.
- vara** (STAEGER, 1840): Naturh. Tidsskr., 3: 266 (*Mycetophila*). Type-locality: not given (Denmark).—Distr.: Europe: widely distributed; USSR: NET (Rs), CET (Rs, La), TC (Ge), WS, FE; Nearctic Region.

#### Doubtful species

- simplex* STROBL, 1895: Mitt. naturw. Ver. Steierm., 31: 169 (*Zygomyia*). Type-locality: Hohe-Tauern, Styria (Austria).



## Tribe Exechiini

By W. HACKMAN

**Allodia** WINNERTZ, 1863WINNERTZ, 1863: Verh. zool.-bot. Ges. Wien, **13**: 826.

Type-species: *Mycetophila ornaticollis*: WINNERTZ, 1863: l.c.: 830 (des. JOHANNSEN, 1909: Mycetophilidae in WYTSMAN: Genera Insectorum, Fasc. **93**: 104) [= *lugens* (WIEDEMANN, 1817)], misidentification.

*Parallogdia* PLASSMANN, 1969: Die Fungivoriden des Naturschutzparkes Hoher Vogelsberg, Giessen **1969**: 80. Type-species: *Mycetophila lugens* WIEDEMANN, 1817: Zool. Mag. Kiel, **1**(1): 68 (orig. des.).

*Brachycampta* WINNERTZ, 1863: see below as subgenus.

## Subgenus ALLODIA WINNERTZ, 1863

- anglofennica** EDWARDS, 1921: Scott. Nat., **1921**: 122 (*Allodia*). Type-locality: Logie, Elgin (Great Britain).—Distr.: Europe: D, GB, NL, PL, SF; USSR: NET, CET (La), WS; Asia: Mongolia.
- angulata** (LUNDSTRÖM, 1913): Annl. hist.-nat. Mus. natn. hung., **11**: 308 (*Brachycampta*). Type-locality: "Lapponia suecica, Muonio" (Sweden).—Distr.: Europe: GB, S; USSR: NET.
- embla** HACKMAN, 1971: Annl. ent. fenn., **37**: 6 (*Allodia*). Type-locality: Skaftafell (Iceland).—Distr.: Europe: D, IS, S.
- lugens** (WIEDEMANN, 1817): Zool. Mag. Kiel, **1**(1): 68 (*Mycetophila*). Type-locality: not given (Germany).—Distr.: Europe: widely distributed but not in the south; USSR: NET, CET, TC, WS, ES, FE; North America.
- nalis* (MEIGEN, 1818): Syst. Besch., **1**: 269 (*Mycetophila*). Type-locality: not given (?Germany); questionable synonymy.
- lundstroemi** EDWARDS, 1921: Scott. Nat., **1921**: 122 (*Allodia*). Type-locality: Burnham Beeches, Bucks. (Great Britain).—Distr.: Europe: D, GB, IRE, NL, PL; SF; USSR: CET (La).
- ornaticollis** (MEIGEN, 1818): Syst. Besch., **1**: 269. (*Mycetophila*). Type-locality: not given (Germany).—Distr.: Europe: widely distributed; USSR: NET, CET, TC, WS, FE; Canary Is., Azores, Madeira; North America.
- nigricollis* (ZETTERSTEDT, 1852): Dipt. Scand., **11**: 4218 (*Mycetophila*). Type-locality: Lund (Sweden).
- longicornis* (WALKER, 1856): Ins. Brit., Dipt. **3**: 21 (*Mycetophila*). Type-locality: England (Great Britain).
- falcata* JOHANNSEN, 1912: Bull. Me agric. Exp. Stn, (2) **196**: 317 (*Allodia*). Type-localities: Cape May, N.J. and Ithaca, N.Y. (USA).

- rara** PLASSMANN, 1977: Senckenberg. biol., **57**: 286 (*Allodia*). Type-locality: Hagenmoos-Obergünzburg, Allgäu (D).—Distr.: Europe: D.
- septentrionalis** HACKMAN, 1971: Annl. ent. fenn., **37**: 5 (*Allodia*). Type-locality: Kevo, Utsjoki (Finland).—Distr.: Europe: D, N, S, SF; USSR: NET.
- truncata** EDWARDS, 1921: Scott. Nat., **1921**: 123 (*Allodia*). Type-locality: Lelant, Cornwall (Great Britain).—Distr.: Europe: D, GB, IRE, NL, PL, R, SF; USSR: CET (La); North America.
- tuomikoskii** HACKMAN, 1971: Annl. ent. fenn., **37**: 3 (*Allodia*). Type-locality: Kevo, Utsjoki (Finland).—Distr.: Europe: N, SF; USSR: NET.

### Subgenus BRACHYCAMPTA WINNERTZ, 1863

- WINNERTZ, 1863: Verh. zool.-bot. Ges. Wien, **13**: 833 (as genus).  
Type-species: *Mycetophila alternans*: WINNERTZ, 1863: Verh. zool.-bot. Ges. Wien, **13**: 834 (des. COQUILLET, 1910: Proc. U.S. natn. Mus, **37**: 515 [= *grata* (MEIGEN, 1830)], misidentification.
- alternans** (ZETTERSTEDT, 1838): Insecta Lapp.: 886 (*Mycetophila*). Type-locality: "Karunki, Lapponia Tornensi" (Sweden).—Distr.: Europe: widely distributed; USSR: NET, CET, FE; Asia: Mongolia.
- strigosa* OSTROVERKHOVA, 1977: Trudy nauchno-issled. inst. biol. biofiz. Tomsk. Univ., **8**: 34 (*Brachyptera*). Type-locality: Primorskiy kray, Petrova (Far Est, USSR).
- barbata** (LUNDSTRÖM, 1909): Acta Soc. Fauna Flora fenn., **32**(2): 26 (*Brachycampta*). Type-locality: Karislojo (Finland).—Distr.: Europe: D, GB, H, PL, S, SF; USSR: NET, CET (La), WS.
- czernyi** (LANDROCK, 1912): Wien. ent. Ztg, **31**: 181 (*Brachycampta*). Type-locality: "Brünn [= Brno] Mähren" (Czechoslovakia).—Distr.: Europe: CS, D, GB, H, SF; USSR: NET, CET (La), ES, FE.
- delicata** OSTROVERKHOVA, 1979: Fungus-gnats (Diptera, Mycetophiloidea) of Siberia, Tomsk, **1979**: 198 (*Allodia*). Type-locality: Tomsk (W Siberia, USSR).—Distr.: USSR: WS, ES, FE.
- discoidea** (MEIGEN, 1818): Syst. Besch., **1**: 268 (*Mycetophila*). Type-locality: not given (?France).—Distr.: unrecognized.
- foliifera** (STROBL, 1910): Mitt. naturw. Ver. Steierm., **46**: 258 (*Brachycampta*). Type-localities: Gesäuse (Austria) and "Silesia" (?Poland).—Distr.: Europe: A, PL.
- grata** (MEIGEN, 1830): Syst. Besch., **6**: 303 (*Mycetophila*). Type-locality: not given ("coll. von Hrn. von Winthem") (Germany).—Distr.: Europe: widely distributed, not in the south.
- mendli** PLASSMANN, 1977: Senckenberg. biol., **57**: 285 (*Allodia*). Type-locality: Hagenmoos-Obergünzburg, Allgäu (D).—Distr.: Europe: D, SF; USSR: TC (Ge).

- neglecta** EDWARDS, 1925: Trans. R. ent. Soc. Lond., 1924: 608 (*Allodia*). Type-locality: Baldock, Herts. (Great Britain).—Distr.: Europe: GB, H, SF; USSR: NET, CET (La).
- pistillata** (LUNDSTRÖM, 1911): Annls hist.-nat. Mus. natn. hung., 9: 399 (*Brachycampta*). Type-localities: Bakony: Szépalma (Hungary); Brusanje (Yugoslavia); Orsova, Mehádia (Roumania).—Distr.: Europe: CS, D, F, GB, H, PL, R, S, SF, YU; USSR: NET, CET (Est); Asia: Iran; Madeira; North America.
- protenta** LAŠTOVKA et MATILE, 1974: Acta zool. hung., 20: 123 (*Allodia*). Type-locality: "Chentej aimak: 7 km NO von Somon Mörön" (Mongolia).—Distr.: Asia: Mongolia.
- rhombica** LAŠTOVKA et MATILE, 1974: Acta zool. hung., 20: 125 (*Allodia*). Type-locality: "Bulgan aimak: 7 km NW von Somon Chanzargalant" (Mongolia).—Distr.: Asia: Mongolia.
- silvatica** (LANDROCK, 1912): Wien. ent. Ztg., 31: 31 (*Brachycampta*). Type-locality: "Adamstal, Mähren" (Czechoslovakia).—Distr.: Europe: CS, D, F, GB, H, PL, SF.
- triangularis** (STROBL, 1895): Mitt. naturw. Ver. Steierm., 31: 159 (*Brachycampta*). Type-locality: Scheibleggerhochwald, Steiermark (Austria).—Distr.: Europe: A, CS, D, F, GB, PL, SF, YU; USSR: NET, CET (La), WS, ES, FE.

#### Unplaced species of the *Allodia* genus group\*

- circumdata** (SANTOS ABREU, 1920): Mems R. Acad. Cienc. Artes Barcelona, 16: 96 (*Brachycampta*). Type-locality: Barranco del Rio, La Palma (Canary Is.).—Distr.: Canary Is.
- curvipes** (STROBL, 1895): Mitt. naturw. Ver. Steierm., 31: 160 (*Brachycampta*). Type-locality: Scheibleggerhochwald, Steiermark (Austria).—Distr.: Europe: A.
- flavicornis** (SANTOS ABREU, 1920): Mems R. Acad. Cienc. Artes Barcelona, 16: 94 (*Brachycampta*). Type-locality: Barranco del Rio, La Palma (Canary Is.).—Distr.: Canary Is.
- flaviventris** (VAN DER WULP, 1858): Tijdschr. Ent., 2: 178 (*Brachycampta*). Type-locality: Utrecht (Netherlands).—Distr.: unrecognized.
- fontinalis** SANTOS ABREU, 1920: Mems. R. Acad. Cienc. Artes Barcelona, 16: 104 (*Allodia*). Type-locality: Barranco del Rio, La Palma (Canary Is.).—Distr.: Canary Is.
- intermedia** SANTOS ABREU, 1920: Mems R. Acad. Cienc. Artes Barcelona, 16: 100 (*Allodia*). Type-locality: Barranco del Rio, La Palma (Canary Is.).—Distr.: Canary Is.

\* *Allodia-Brevicornu* hitherto in *Allodia*.

- lataelamellata** STROBL, 1910: Mitt. naturw. Ver. Steierm., **46**: 250 (*Allodia*). Type-localities: Admont and Gesäuse (Austria).—Distr.: Europe: A.
- obscuripennis** SANTOS ABREU, 1920: Mem. R. Acad. Cienc. Artes Barcelona, **16**: 118 (*Allodia*). Type-locality: Barranco del Rio, La Palma (Canary Is.).—Distr.: Canary Is.
- penicillata** (LUNDSTRÖM, 1912): Acta Soc. Fauna Flora fenn., **36**(1): 28 (*Brachycampta*). Type-locality: Muonio (Finland).—Distr.: Europe: SF; USSR: NET.
- perolla** PLASSMANN, 1972: Senckenberg. biol., **53**: 92 (*Allodia*). Type-locality: Friedberg, Vogelsberg (D).—Distr.: Europe: D.
- retracta** PLASSMANN, 1977: NachrBl. bayer. Ent., **26**: 13 (*Allodia*). Type-locality: Allgäu (D).—Distr.: Europe: D.
- ruficauda** (VAN DER WULP, 1874): Tijdschr. Ent., **17**: 52 (*Brachycampta*). Type-locality: Netherlands.—Distr.: Europe: NL.
- variabilis** STORÅ, 1936: Commentat. biol., **6**(1): 12 (*Allodia*). Type-locality: Agua Garcia, Tenerife (Canary Is.).—Distr.: Canary Is.

### **Allodiopsis** TUOMIKOSKI, 1966

TUOMIKOSKI, 1966: Annls ent. fenn., **32**: 171.

Type-species: *Rhymosia rustica* EDWARDS, 1941: Entomologist's mon. Mag., **77**: 75 (orig. des.).

*Gymnogonia* TUOMIKOSKI, 1966: see below as subgenus.

*Notolopha* TUOMIKOSKI, 1966: see below as subgenus.

*Myrosia* TUOMIKOSKI, 1966: see below as subgenus.

### Subgenus ALLODIOPSIS TUOMIKOSKI, 1966

- domestica** (MEIGEN, 1830): Syst. Besch., **6**: 303 (*Mycetophila*). Type-locality: not given ("coll. Hrn. v. Winthem").—Distr.: Europe: widely distributed; USSR: NET, CET, TC, WS, ES, FE; Asia: Japan (Hokkaido); North America.
- pseudodomestica** (LACKSCHEWITZ, 1937): Arb. NatForschVer. Riga (N.F.), **21**: 29 (*Rhymosia*). Type-locality: Kalvene (Latvian SSR, USSR).—Distr.: Europe: PL; USSR: CET (La), WS, ES, FE.
- rustica** (EDWARDS, 1941): Entomologist's mon. Mag., **77**: 75 (*Rhymosia*). Type-locality: Llangamarrch Wells, Brecknock (Great Britain).—Distr.: Europe: D, F, GB, IRE, PL, SF, YU.
- matilei** (PLASSMANN, 1970): Mitt. dt. ent. Ges., **29**(2): 19 (*Rymosia*). Type-locality: Paris (France).
- urceolata** (OSTROVERKHOVA, 1974): Trudy nauchno-issled. inst. biol. biofiz. Tomsk. Univ., **3**: 39 (*Rhymosia*). Type-locality: Kolpachevsk, Tomsk district (W Siberia, USSR).—Distr.: USSR: WS.

## Subgenus GYMNOGONIA TUOMIKOSKI, 1966

TUOMIKOSKI, 1966: *Annls ent. fenn.*, **32**: 171.

Type-species: *Rhymosia sintenisi* LACKSCHEWITZ, 1937: *Arb. NatForschVer. Riga (N.F.)*, **21**: 30 (orig. des.).

**bayardi** MATILE, 1971: *Entomologiste*, **27**: 68 (*Allodiopsis*). Type-locality: "Pont près Semur, Côte-d'Or" (France).—Distr.: Europe: F.

**ducta** (DZIEDZICKI, 1910): *Horae Soc. ent. ross.*, **39**: 99 (*Rymosia*). Type-locality: Byelorussia (USSR).—Distr.: USSR: CET (By, La).

**dulcia** (DZIEDZICKI, 1910): *Horae Soc. ent. ross.*, **39**: 100 (*Rymosia*). Type-locality: Byelorussia (USSR).—Distr.: Europe: D; USSR: CET (By).

**exclusa** (DZIEDZICKI, 1910); *Horae Soc. ent. ross.*, **39**: 97 (*Rymosia*). Type-localities: Byelorussia (USSR) and Kärnten (Austria).—Distr.: Europe: A; USSR: CET (By).

**exogitata** (DZIEDZICKI, 1910): *Horae Soc. ent. ross.*, **39**: 98 (*Rymosia*). Type-locality: not given (?Central Europe).—Distr.: Europe: D, GB, IRE, SF, YU; USSR: CET (Rs); Asia: ?Japan.

**gracilis** (WINNERTZ, 1863): *Verh. zool.-bot. Ges. Wien*, **13**: 820 (*Rymosia*). Type-locality: not given (Wallis, Switzerland, lectotype des.).—Distr.: Europe: CH, CS, ?D, NL, ?SF; USSR: CET (?La).

*simulatrix* (LACKSCHEWITZ, 1937): *Arb. NatForschVer. Riga (N.F.)*, **21**: 31 (*Rhymosia*). Type-locality: Paplaka (Latvian SSR, USSR); questionable synonymy.

**ingeniosa** (KIDD, 1969): *Entomologist*, **102**: 201 (*Rhymosia*). Type-locality: Wytham Wood, Berks. (Great Britain).—Distr.: Europe: GB.

**macrura** (WINNERTZ, 1863): *Verh. zool.-bot. Ges. Wien*, **13**: 818 (*Rymosia*). Type-locality: not given ("im königl. Museum zu Berlin") (?Germany).—Distr.: unrecognized.

**praeformida** (DZIEDZICKI, 1910): *Horae Soc. ent. ross.*, **39**: 100 (*Rymosia*). Type-locality: "Niederösterreich" (Austria).—Distr.: Europe: A, H, I, SF; USSR: CET (La).

**rufilatera** (EDWARDS, 1941): *Entomologist's mon. Mag.*, **77**: 79 (*Rhymosia*). Type-locality: Chippenham Fen (Great Britain).—Distr.: Europe: GB, PL, SF; USSR: WS.

**sintenisi** (LACKSCHEWITZ, 1937): *Arb. NatForschVer. Riga (N.F.)*, **21**: 30 (*Rhymosia*). Type-locality: Tartu (Estonian SSR, USSR).—Distr.: Europe: D, SF; USSR: CET (Est, La).

**venosa** (DZIEDZICKI, 1910): *Horae Soc. ent. ross.*, **39**: 96 (*Rymosia*). Type-locality: Byelorussia (USSR).—Distr.: USSR: CET (By).

## Subgenus NOTOLOPHA TUOMIKOSKI, 1966

TUOMIKOSKI, 1966: *Annls ent. fenn.*, **32**: 173.

Type-species: *Mycetophila cristata* STAEGER, 1840: *Naturh. Tidsskr.*, **3**: 254 (orig. des.).

**cristata** (STAEGER, 1840): *Naturh. Tidsskr.*, **3**: 254 (*Mycetophila*). Type-locality: not given (Denmark).—Distr. Europe: widely distributed; USSR: NET, CET, WS.

*brachycera* (ZETTERSTEDT, 1852): *Dipt. Scand.*, **11**: 4224 (*Mycetophila*). Type-locality: Mulfjell, Jämtland (Sweden).

## Subgenus MYROSIA TUOMIKOSKI, 1966

TUOMIKOSKI, 1966: *Annls ent. fenn.*, **32**: 173.

Type-species: *Mycetophila maculosa* MEIGEN, 1818: *Syst. Besch.*, **1**: 268 (orig. des.).

**maculosa** (MEIGEN, 1818): *Syst. Besch.*, **1**: 268 (*Mycetophila*). Type-locality: "Oesterreich" (Austria).—Distr.: Europe: A, D, GB, PL, SF; USSR: CET (Rs).

## Unplaced species

**composita** OSTROVERKHOVA, 1979: Fungus-gnats (Diptera, Mycetophiloidea) of Siberia, Tomsk, 1979: 181 (*Allodiopsis*). Type-locality: Sikhote-Alinskiy zapovednik (Far East, USSR).—Distr.: USSR: FE.

**Anatella** WINNERTZ, 1863

WINNERTZ, 1863: *Verh. zool.-bot. Ges. Wien*, **13**: 855.

Type-species: *Anatella gibba* WINNERTZ, 1863: l.c.: 855 (des. JOHANNSEN, 1909: in WYTSMAN: *Genera Insectorum*, Fasc. **93**: 90.

**alpina** PLASSMANN, 1977: *NachrBl. bayer. Ent.*, **26**: 31 (*Anatella*). Type-locality: "Birgsau S von Oberdorf, Zillachtal Allgäu" (D).—Distr.: Europe: D.

**aterrima** (GRZEGORZEK, 1875): *Verh. zool.-bot. Ges. Wien*, **25**: 6 (*Phronia*). Type-locality: "Sandeczer Gegend", Galicia (Poland).—Distr.: Europe: PL.

**brevifurca** STROBL, 1901: *Jber. naturh. Landesmus. Kärnten*, **26**: 178 (*Anatella*). Type-locality: Kärnten (Austria).—Distr.: Europe: A.

**ciliata** WINNERTZ, 1863: *Verh. zool.-bot. Ges. Wien*, **13**: 856 (*Anatella*). Type-locality: not given (?Krefeld) [D].—Distr.: Europe: A, CH, D, ?DDR, F, GB, IRE, PL; USSR: NET, CET (La), WS, FE; North America.

**clavata** OSTROVERKHOVA, 1979: Fungus-gnats (Diptera, Mycetophiloidea) of

- Siberia, Tomsk, **1979**: 125 (*Anatella*). Type-locality: Primorskiy kray, Sikhote-Alinskiy zapovednik, Majsa (Far East, USSR).—Distr.: USSR: FE.
- damfi** LANDROCK, 1924: Zool. Anz., **58**: 80 (*Anatella*). Type-locality: Jööpre-Moor, Pernu (Estonian SSR, USSR).—Distr.: Europe: D, GB, S; USSR: CET (Est).
- dissecta** OSTROVERKHOVA, 1979: Fungus-gnats (Diptera, Mycetophiloidea) of Siberia, Tomsk, **1979**: 126 (*Anatella*, as *dissecta* OSTR., repeated description as sp.n., OSTROVERKHOVA, 1980). Type-locality: Tomsk rayon, Tomsk obl. (W Siberia, USSR).—Distr.: USSR: WS.
- flavicauda** WINNERTZ, 1863: Verh. zool.-bot. Ges. Wien, **13**: 856 (*Anatella*). Type-locality: not given (?Krefeld) [D].—Distr.: Europe: A, D, ?DDR, SF.
- flavomaculata** EDWARDS, 1925: Trans. R. ent. Soc. Lond., **1924**: 590 (*Anatella*). Type-locality: Shevioc, Cornwall (Great Britain).—Distr.: Europe: D, GB; USSR: CET (La).
- gibba** WINNERTZ, 1863: Verh. zool.-bot. Ges. Wien, **13**: 855 (*Anatella*). Type-locality: not given (?Krefeld) [D].—Distr.: Europe: D, ?DDR.
- laffooni** PLASSMANN, 1977: NachrBl. bayer. Ent., **26**: 12 (*Anatella*). Type-locality: Allgäu (D).—Distr.: Europe: D, S.
- lenis** DZIEDZICKI, 1923: Dicip. biol. Arch. Soc. sci. varsaviensis, **1**(15): 5 (*Anatella*). Type-locality: "Graefenberg (Sudety)" [= Jeseník] (Czechoslovakia).—Distr.: Europe: CS, D, F, GB, PL; USSR: CET (La).
- longisetosa** DZIEDZICKI, 1923: Discipl. biol. Arch. Soc. scient. varsaviensis, **1**(15): 6 (*Anatella*). Type-locality: "Graefenberg (Sudety)" [= Jeseník] (Czechoslovakia).—Distr.: Europe: CS, D, GB, PL; USSR: ?CET.
- piligera** EDWARDS, 1925: Trans. R. ent. Soc. Lond., **1924**: 590 (*Anatella*). Type-locality: Llangamarch Wells, Brecknock (Great Britain).
- maritima** OSTROVERKHOVA, 1979: Fungus-gnats (Diptera, Mycetophiloidea) of Siberia, Tomsk, **1979**: 126 (*Anatella*). Type-locality: Sikhote-Alinskiy zapovednik, Ust-Serebrjanyj (Far East, USSR).—Distr.: USSR: FE.
- minuta** (STAEGER, 1840): Naturh. Tidsskr., **3**: 253 (*Mycetophila*). Type-locality: not given (Denmark).—Distr.: Europe: CS, D, DK, GB, PL, SF; Asia: Mongolia.
- abersans** DZIEDZICKI, 1923: Discipl. biol. Arch. Soc. scient. varsoviensis, **1**(15): 5 (*Anatella*). Type-locality: "Graefenberg (Sudety)" [= Jeseník] (Czechoslovakia).
- minutissima** OSTROVERKHOVA, 1979: Fungus-gnats (Diptera, Mycetophiloidea) of Siberia, Tomsk, **1979**: 126 (*Anatella*). Type-locality: Krasnojarskiy kray, Tungusko-Chunskiy rayon, okr. pos. Vanavary (E Siberia, USSR).—Distr.: USSR: ES.
- nigriclava** STROBL, 1895: Mitt. naturw. Ver. Steierm., **31**: 163 (*Anatella*). Type-locality: Wirtsgraben, Hohe-Tauern (Austria).—Distr.: Europe: A.
- novata** DZIEDZICKI, 1923: Discipl. biol. Arch. Soc. scient. varsaviensis, **1**(15): 4

- (*Anatella*). Type-locality: "Graefenberg (Sudety)" [= Jeseník] (Czechoslovakia).—Distr.: Europe: CS, D, S.
- orbiculata** OSTROVERKHOVA et IZOTOV, 1974: Trudy nauchno-issled. inst. biol. biofiz. Tomsk. Univ., **4**: 82 (*Anatella*). Type-locality: Tomsk obl., Verkhneketskij rayon, okr. pos. Orlovski (W Siberia, USSR).—Distr.: USSR: WS.
- pseudogibba** PLASSMANN, 1977: NachrBl. bayer. Ent., **36**: 12 (*Anatella*). Type-locality: Allgäu (D).—Distr.: Europe: D, GB.
- rufithorax** STROBL, 1895: Mitt. naturw. Ver. Steierm., **31**: 162 (*Anatella*). Type-locality: Mühlau bei Admont, Steiermark (Austria).—Distr.: Europe: A.
- scalaria** OSTROVERKHOVA, 1979: Fungus-gnats (Diptera, Mycetophiloidea) of Siberia, Tomsk, **1979**: 12 (*Anatella*). Type-locality: Primorskij kray, Sikhote-Alinskij zapovednik, Majsa (Far East, USSR).—Distr.: USSR: FE.
- schmitzi** LANDROCK, 1925: Naturh. Maandbl., **14**: 34. (*Anatella*). Type-locality: Spaubeek (Netherlands).—Distr.: Europe: D, NL, S.
- setigera** EDWARDS, 1921: Scott. Nat., **1921**: 122 (*Anatella*). Type-locality: Brodick, Arran (Great Britain).—Distr.: Europe: D, DDR, GB, IRE, S.
- simpatica** DZIEDZICKI, 1923: Discipl. biol. Arch. Soc. scient. varsoviensis, **1**(15): 6 (*Anatella*). Type-locality: not given (?Eastern Europe).—Distr.: Europe: CS, D, DDR, F, GB, S, SF; North America.
- incisurata* EDWARDS, 1925: Trans. R. ent. Soc. Lond., **1924**: 589 (*Anatella*). Type-locality: Hitchin, Herts. (Great Britain).
- stimulea** PLASSMANN, 1977: NachrBl. bayer. Ent., **26**: 13 (*Anatella*). Type-locality: Allgäu (D).—Distr.: Europe: D.
- tungusica** OSTROVERKHOVA, 1979: Fungus-gnats (Diptera, Mycetophiloidea) of Siberia, Tomsk, **1979**: 127 (*Anatella*). Type-locality: Krasnojarskij kray, Tungusko-Chunskij rayon, okr. pos. Vanavary (E Siberia, USSR).—Distr.: USSR: ES, FE.
- turi** DZIEDZICKI, 1923: Discipl. biol. Arch. Soc. scient. varsoviensis, **1**(15): 7 (*Anatella*). Type-locality: Zalozie, Minsk gubern. (Byelorussia, USSR).—Distr.: Europe: D, F, GB, PL, S; USSR: CET (By).
- umbraculiforma** OSTROVERKHOVA, 1974: Trudy nauchno-issled. inst. biol. biofiz. Tomsk. Univ., **3**: 40 (*Anatella*). Type-locality: Tomskom rayon, Tomsk obl. (W Siberia, USSR).—Distr.: USSR: WS.
- unguigera** EDWARDS, 1921: Scott. Nat., **1921**: 122 (*Anatella*). Type-locality: Arran (Great Britain).—Distr.: Europe: D, F, GB, IRE.

### **Brachypeza** WINNERTZ, 1863

WINNERTZ, 1863: Verh. zool.-bot. Ges. Wien, **13**: 806.

Type-species: *Brachypeza bisignata* WINNERTZ, 1863: l.c.: 807 (des. JOHANNSEN, 1909: Mycetophilidae in WYTSMAN: Genera Insectorum, Fasc. **93**: 101).

*Paracondyla* TUOMIKOSKI, 1966: see below as subgenus.



## Subgenus BRACHYPEZA WINNERTZ, 1863

- armata** WINNERTZ, 1863: Verh. zool. bot. Ges. Wien, **13**: 808 (*Brachypeza*). Type-locality: not given ("In der Sammlung des Herrn Baron von Osten-Sacken in St. Petersburg") (?Leningrad district, USSR).—Distr.: Europe: GB, YU; USSR: NET, CET (By), FE (Kurul Is.).
- bisignata** WINNERTZ, 1863: Verh. zool.-bot. Ges. Wien, **13**: 807 (*Brachypeza*). Type-locality: not given ("In der Sammlung von Herrn Baron von Osten-Sacken, St. Petersburg") (?Leningrad district, USSR).—Distr.: Europe: GB, D, ?DDR, SF; USSR: NET, CET (Est, La), SET, ES, FE (Kurul Is.).
- hilaris* WINNERTZ, 1863: Verh. zool.-bot. Ges. Wien, **13**: 809 (*Brachypeza*). Type-locality: not given ("In der Sammlung von Herrn Baron von Osten-Sacken in St. Petersburg"). (?Leningrad district, USSR); a questionable synonymy.
- flavipennis** OKADA, 1938: Insecta matsum., **12**: 96 (*Brachypeza*). Type-locality: Sounkyo, Hokkaido (Japan).—Distr.: Japan (Hokkaido, Honshu).
- macrochaeta** BUKOWSKI, 1949: Ent. Obozr., **30**: 407 (*Brachypeza*). Type-locality: Crimea (USSR).—Distr.: USSR: SET (Uk).
- radiata** JENKINSON, 1908: Entomologist's mon. Mag., **44**: 132 (*Brachypeza*). Type-locality: Cambridge (Great Britain).—Distr.: Europe: GB; USSR: SET.

## Subgenus PARACONDYLA TUOMIKOSKI, 1966

TUOMIKOSKI, 1966: Annl. ent. fenn., **32**: 191.

Type-species: *Brachypeza obscura* WINNERTZ, 1863: Verh. zool.-bot. Ges. Wien, **13**: 809 (orig. des.).

- obscura** WINNERTZ, 1863: Verh. zool.-bot. Ges. Wien, **13**: 809 (*Brachypeza*). Type-locality: not given ("In der Sammlung des Herrn Baron von Osten-Sacken, St. Petersburg") (?Leningrad district, USSR).—Distr.: Europe: DDR, DK (Faeroes), PL; USSR: NET, CET (By, La).

## Unplaced species

- cuspidata** OSTROVERKHOVA, 1979: Fungus-gnats (Diptera, Mycetophiloidea) of Siberia, Tomsk, **1979**: 187 (*Brachypeza*). Type-locality: Krasnojarskiy kray, Tungussko-Chunskij rayon, pos. Vanavara (E Siberia, USSR).—Distr.: USSR: WS, ES.
- melanochaeta** OSTROVERKHOVA, 1979: Fungus-gnats (Diptera, Mycetophiloidea) of Siberia, Tomsk, **1979**: 187 (*Brachypeza*). Type-locality: Sikhote-Alinskiy zapovednik (Far East, USSR).—Distr.: USSR: FE.

- sibirica** OSTROVERKHOVA, 1977: Vop. biol. Tomsk. Univ., **1977**: 21 (*Brachypeza*).  
Type-locality: Krasnojarskiy kray, Khasskaja autonom. obl., Bejskiy rayon, okr. pos. Majna (E Siberia, USSR).—Distr.: USSR: ES, FE.
- simplex** BUKOWSKI, 1934: Konowia, **13**: 184 (*Brachypeza*). Type-locality: "Krim, unweit von Aloschta" (Crimea, USSR).—Distr.: Europe: D, S; USSR: SET (Crimea).
- striata** BUKOWSKI, 1934: Konowia, **13**: 183 (*Brachypeza*). Type-locality: "Krim, unweit von Aloschta" (Crimea, USSR).—Distr.: Europe: S; USSR: SET (Crimea).
- truncata** OSTROVERKHOVA, 1979: Fungus-gnats (Diptera, Mycetophiloidea) of Siberia, Tomsk, **1979**: 189 (*Brachypeza*). Type-locality: Sikhote-Alinskiy zapovednik, Ust-Serebrjanyj (Far East, USSR).—Distr.: USSR: WS, FE.

### Brevicornu MARSHALL, 1896

MARSHALL, 1896: Trans. Proc. N.Z. Inst., **28**: 306.

Type-species: *Brevicornu flavum* MARSHALL, 1896: l.c.: 307 (des. TUOMIKOSKI, 1966: Annls ent. fenn., **32**: 185); not Palaeartic.

*Stigmatomeria* TUOMIKOSKI, 1966: see below as subgenus.

### Subgenus BREVICORNU MARSHALL, 1896

- arcticum** (LUNDSTRÖM in LUNDSTRÖM and FREY, 1913): Acta Soc. Fauna Flora fenn., **37**(10): 14 (*Brachycampta*). Type-locality: Madoha, Kanin (USSR).—Distr.: Europe: IRE; USSR: NET.
- auctum** OSTROVERKHOVA, 1979: Fungus-gnats (Diptera, Mycetophiloidea) of Siberia, Tomsk, **1979**: 203 (*Brevicornu*). Type-locality: Irkutsk obl., okr. Bodajbo (W Siberia, USSR).—Distr.: USSR: WS.
- auriculatum** (EDWARDS, 1925): Trans. R. ent. Soc. Lond., **1924**: 610 (*Allodia*). Type-locality: Oxford (Great Britain).—Distr.: Europe: F, GB; USSR: CET (La).
- bipartitum** LAŠTOVKA et MATILE, 1974: Acta zool. hung., **20**: 127 (*Brevicornu*). Type-locality: "Chövsgöl aimak: 3 km SW von Somon Burenchaan" (Mongolia).—Distr.: Asia: Mongolia.
- boreale** (LUNDSTRÖM, 1914): Acta Soc. Fauna Flora fenn., **39**(3): 17 (*Branchycampta*). Type-localities: Kusomen and Ponoj, Kola Peninsula (USSR).—Distr.: Europe: D, GB, IRE, SF; USSR: NET.
- cognatum** OSTROVERKHOVA, 1979: Fungus-gnats (Diptera, Mycetophiloidea) of Siberia, Tomsk, **1979**: 204 (*Brevicornu*). Type-locality: Krasnojarskiy kray, Khasskaja autonom. obl., Bejskiy rayon (E Siberia, USSR).—Distr.: USSR: ES.

- desfulianda** MATILE, 1969: Annl. Soc. ent. Fr. (N.S.), **5**: 246 (*Brevicornu*). Type-locality: Golestan Forest (Iran).—Distr.: Asia: Iran.
- fasciculatum** (LACKSCHEWITZ, 1937): Arb. NatforschVer. Riga (N.F.), **21**: 36 (*Allodia*). Type-locality: "Lettland: Liegi" (Latvian SSR, USSR).—Distr.: Europe: D; USSR: CET (La), TC (Ge).
- fennicum** (LANDROCK, 1927): 8. Fungivoridae, Fliegen pal. Reg., **2**(1): 121 (*Allodia*, as "new name" for *Brachycampta bicolor*: LUNDSTRÖM 1909, not MACQUART, 1834). Type-locality: Vasa (Finland).—Distr.: Europe: CS, S, SF; USSR: CET (La).
- fissicauda** (LUNDSTRÖM, 1911): Annl. hist.-nat. Mus. natn. hung., **9**: 398 (*Brachycampta*). Type-localities: Gyón and Budapest (Hungary).—Distr.: Europe: D, F (incl. Corsica), GB, H, IRE, NL, PL, SF; USSR: CET (Est, La).
- flaveolum** OSTROVERKHOVA, 1979: Fungus-gnats (Diptera, Mycetophiloidea) of Siberia, Tomsk, **1979**: 204 (*Brevicornu*). Type-locality: Tomsk obl., Paradel'skiy rayon, okr. pos. Staritsy (W Siberia, USSR).—Distr.: USSR: WS.
- fuscipenne** (STAEGER, 1840): Naturh. Tidsskr., **3**: 259 (*Mycetophila*). Type-locality: not given (Denmark).—Distr.: Europe: D, DK, F, GB, PL, S, SF; USSR: FE.
- glandis** LAŠTOVKA et MATILE, 1974: Acta zool. hung., **20**: 129 (*Brevicornu*). Type-locality: "Central aimak: Ulan-Bator" (Mongolia).—Distr.: Asia: Mongolia.
- griseicolle** (STAEGER, 1940): Naturh. Tidsskr., **3**: 258 (*Mycetophila*). Type-locality: not given (Denmark).—Distr.: most parts of Europe; USSR: WS, ES.
- caudatum* (WINNERTZ, 1863): Verh. zool.-bot. Ges. Wien, **13**: 843 (*Brachycampta*). Type-locality: not given (?Krefeld) [D].
- griseolum** (ZETTERSTEDT, 1852): Dipt. Scand., **11**: 4225 (*Mycetophila*). Type-locality: Skalstugan, Jämtland (Sweden).—Distr.: Europe: D, GB, S, SF; USSR: NET, CET.
- karpathicum* (LANDROCK, 1928): Konowia, **7**: 240 (*Allodia*). Type-locality: "Aus den Karpathen" (Czechoslovakia).
- guilanense** MATILE, 1969: Annl. Soc. ent. Fr. (N.S.), **5**: 248 (*Brevicornu*). Type-locality: Assalem forest, Guilan (Iran).—Distr.: Asia: Iran.
- kingi** (EDWARDS, 1925): Trans. R. ent. Soc. Lond., **1924**: 611 (*Allodia*). Type-locality: Loch Alsh (Great Britain).—Distr.: Europe: D, GB, SF; USSR: CET (La).
- luteum** (LANDROCK, 1925): Naturh. Maandbl., **14**: 37 (*Allodia*). Type-locality: "Roznau (Beskiden)" [= Rožnava] (Czechoslovakia).—Distr.: Europe: CS, NL, ?SF.
- nigrofusum** (LUNDSTRÖM, 1909): Acta Soc. Fauna Flora fenn., **32**(2): 27 (*Brachycampta*). Type-locality: Karislojo (Finland).—Distr.: Europe: D, GB, PL, SF; USSR: NET, CET (Est).

- proximum** (STAEGER, 1840): Naturh. Tidsskr., 3: 258 (*Mycetophila*). Type-locality: not given (Denmark).—Distr.: Europe: A, CS, D, DK, F, GB, H, PL, SF; USSR: CET (Est, La).
- radiatum** (LUNDSTRÖM, 1911): Annl. hist.-nat. Mus. natn. hung., 9: 401 (*Brachycampta*). Type-locality: Heiligenblut, Noric Alps (Austria).—Distr.: Europe: A, CS, D.
- ruficorne** (MEIGEN, 1838): Syst. Besch., 7: 45 (*Mycetophila*). Type-locality: "Baier" [D].—Distr.: Europe: A, D, E, F, GB, H, IRE, NL, SF; USSR: NET.
- hastatum* (WINNERTZ, 1863): Verh. zool.-bot. Ges. Wien, 13: 842 (*Brachycampta*). Type-locality: not given (?Krefeld) [D].
- cinereum* (LUNDSTRÖM, 1911): Annl. hist.-nat. Mus. natn. hung., 9: 397 (*Brachycampta*). Type-localities: "Silesia austriaca: Würbenthal; Carlsbrunn".
- serenum** (WINNERTZ, 1863): Verh. zool.-bot. Ges. Wien, 13: 839 (*Brachycampta*). Type-locality: not given (?Krefeld) [D].—Distr.: Europe: D, F, GB, H, PL, SF.
- sericoma** (MEIGEN, 1830): Syst. Besch., 6: 302 (*Mycetophila*). Type-locality: not given ("aus hiesiger Gegend") (?Aachen).—Distr.: most parts of Europe; USSR: NET, CET, TC, WS, FE.
- semiflava* (MEIGEN, 1838): Syst. Besch., 7: 45 (*Mycetophila*). Type-locality: "Baier" [D].
- amoena* (WINNERTZ, 1863): Verh. zool.-bot. Ges. Wien, 13: 839 (*Brachycampta*). Type-locality: not given (?Krefeld) [D].
- spathulatum** (LUNDSTRÖM, 1911): Annl. hist.-nat. Mus. natn. hung., 9: 399 (*Brachycampta*). Type-locality: Mehădia (Roumania).—Distr.: Europe: CS, R.
- verralli** (EDWARDS, 1925): Trans. R. ent. Soc. Lond., 1924: 60 (*Allodia*). Type-locality: Llangollen (Great Britain).—Distr.: Europe: D, F (incl. Corsica), GB, PL, YU; Madeira.
- villosum** OSTROVERKHOVA, 1979: Fungus-gnats (Diptera, Mycetophiloidea) of Siberia, Tomsk, 1979: 206 (*Brevicornu*). Type-locality: Krasnojarskiy kray, zapovednik Stolby (E Siberia, USSR).—Distr.: USSR: ES.

#### Subgenus STIGMATOMERIA TUOMIKOSKI, 1966

TUOMIKOSKI, 1966: Annl. ent. fenn., 32: 184.

Type-species: *Mycetophila crassicornis* STANNIUS, 1831: Observ. Mycetoph., 1831: 22 (orig. des.).

**crassicorne** (STANNIUS, 1831): Observ. Mycetoph., 1831: 22 (*Mycetophila*). Type-locality: "Regione Hamburgensis" [D].—Distr.: most parts of Europe; USSR: CET, SET, ES; Asia: Iran; North America.

- punctipes* (STAEGER, 1840): Naturh. Tidsskr., 3: 249 (*Mycetophila*). Type-locality: not given (Denmark).
- spinicoxa* (ZETTERSTEDT, 1852): Dipt. Scand., 11: 4223 (*Mycetophila*). Type-locality: "Åreskutan, Jemtland" (Sweden).
- canescens* (ZETTERSTEDT, 1852): Dipt. Scand., 11: 4365 (*Cordyla*). Type-locality: "Nykyrka, Ostrogothiae" (Sweden).
- sobria* (WALKER, 1856): Ins. Brit., Dipt. 3: 13 (*Mycetophila*). Type-locality: England (Great Britain).
- obscurum** (WINNERTZ, 1863): Verh. zool.-bot. Ges. Wien, 13: 826 (*Allodia*). Type-locality: not given (?Krefeld) [D].—Distr.: Europe: A, CS, D, NL, PL, S; USSR: WS.

### Cordyla MEIGEN, 1803

- MEIGEN, 1803: Mag. Insektenk., 2: 263.  
Type-species: *Cordyla fusca* MEIGEN, 1804: Klass. Beschr., 1: 93 (subsequent mon.).
- Polyxena* MEIGEN, 1800: Nouve. Class.; 19. Type-species: *Cordyla fusca* MEIGEN, 1804: Klass. Beschr., 1: 93 (des. STONE, 1941: Ann. ent. Soc. Am., 34: 414). Name suppressed by I.C.Z.N., 1963: 339.
- Pachypalpus* MACQUART, 1834: Hist. nat. Ins., Dipt., 1: 144. Type-species: *Pachypalpus ater* MACQUART, 1834: l.c.: 145 (mon.) [= *fusca* MEIGEN].
- bergensis** (BARENDRECHT, 1938): Tijdschr. Ent., 81: 47 (*Polyxena*). Type-locality: Bergen (Netherlands).—Distr.: Europe: NL, ?SF.
- bicornuta** (LANDROCK, 1926): Konowia, 5: 200 (*Polyxena*). Type-localities: Sittard (Netherlands) and Hungary.—Distr.: Europe: H, NL; USSR: CET (La).
- brevicornis** (STAEGER, 1840): Naturh. Tidsskr., 3: 269 (*Pachypalpus*). Type-locality: "Fredriksbergs Slothave" (Denmark).—Distr.: most parts of Europe; USSR: NET, CET, WS, ES; Asia: Mongolia.
- nigra* (STROBL, 1880): Progr. k. k. Ober-Gymn. Benedictiner Seitenstetten, 1880: 63 (*Pachypalpus*). Type-locality: Austria.
- crassicornis** MEIGEN, 1818: Syst. Beschr., 1: 275 (*Cordyla*). Type-locality: Austria.—Distr.: most parts of Europe; USSR: CET, SET, WS.
- cinerea* (ZETTERSTEDT, 1852): Dipt. Scand., 11: 4254 (*Pachypalpus*). Type-localities: "Svecia et Lapponia: Westö, Gottlandia; Mulfjellet, Jemtlandia; Wittangi, Lapponia tornensis" (Sweden).
- nigrifemur* (LANDROCK, 1926): Konowia, 5: 201 (*Polyxena*, as var. of *crassicornis*). Type-locality: not given.
- fasciata** MEIGEN, 1830: Syst. Beschr., 6: 304 (*Cordyla*). Type-locality: "Gegend von Berlin".—Distr.: Europe: widely distributed; USSR: WS.
- fulveola* HALIDAY, 1839: Ann. nat. Hist., 2: 183 (*Cordyla*). Type-locality: not given (Ireland).

- festiva** (COSTA, 1857): Giambatt. Vico, Gior. Sci. Napoli, **2**: 457 (*Piotepalpus*). Type-locality: Italy.—Distr.: Europe: I.
- fissa** EDWARDS, 1925: Trans. R. ent. Soc. Lond., **1924**: 615 (*Cordyla*). Type-locality: Shefford, Beds. (Great Britain).—Distr.: Europe: D, F, GB, H, IRE, NL, PL, SF, YU; USSR: NET, CET (La), SET (Crimea), WS.
- flaviceps** (STAEGER, 1840): Naturh. Tidsskr., **3**: 268 (*Pachypalpus*). Type-locality: Copenhagen (Denmark).—Distr.: Europe: widely distributed, less in the south; USSR: CET, WS.
- fusca** MEIGEN, 1804: Klass. Beschr., **1**: 93 (*Cordyla*). Type-locality: Aachen [D].—Distr.: Europe: widely distributed; USSR: CET, WS, ES.
- anomala** (MACQUART, 1826): Mém. Soc. Sci. Agric. Lille, **1823–24**: 97 (*Mycetophila*). Type-locality: France.
- atra** (MACQUART, 1834): Hist. nat. Ins., Dipt., **1**: 145 (*Pachypalpus*). Type-locality: “Nord de la France”.
- obscuripennis** WINNERTZ, 1863: Verh. zool.-bot. Ges. Wien, **13**: 958 (*Cordyla*). Type-locality: not given (?Krefeld) [D].
- insons** LAŠTOVKA et MATILE, 1974: Acta zool. hung., **20**: 131 (*Cordyla*). Type-locality: “Central aimak: Ulan-Baator, Nucht im Bogdo ul” (Mongolia).—Distr.: Asia: Mongolia.
- murina** WINNERTZ, 1863: Verh. zool.-bot. Ges. Wien, **13**: 954 (*Cordyla*). Type-locality: not given (?Krefeld) [D].—Distr.: Europe: widely distributed; USSR: CET, SET; Asia: Mongolia.
- nitens** WINNERTZ, 1863: Verh. zool.-bot. Ges. Wien, **13**: 955 (*Cordyla*). Type-locality: not given (“im Berliner Museum und meiner Sammlung”) (?Germany).—Distr.: Europe: CS, D, ?DDR, PL, S; USSR: NET, ES.
- nitidula** EDWARDS, 1925: Trans. R. ent. Soc. Lond., **1924**: 616 (*Cordyla*). Type-locality: Shefford, Beds. (Great Britain).—Distr.: Europe: D, F, GB, H, PL, SF; USSR: NET, CET (La, Rs), WS.
- parvipalpis** EDWARDS, 1925: Trans. R. ent. Soc. Lond., **1924**: 616 (*Cordyla*). Type-locality: Shefford, Beds. (Great Britain).—Distr.: Europe: CS, D, GB, NL; USSR: CET (Est, La), WS.
- pusilla** EDWARDS, 1925: Trans. R. ent. Soc. Lond., **1924**: 615 (*Cordyla*). Type-locality: Shefford, Beds. (Great Britain).—Distr.: Europe: CS, D, GB, NL, PL, SF.
- semiflava** (STAEGER, 1840): Naturh. Tidsskr., **3**: 267 (*Pachypalpus*). Type-locality: Ordrupkrat (Denmark).—Distr.: Europe: widely distributed; USSR: CET, WS, ES, FE.
- sixi** (BARENDRECHT, 1938): Tijdschr. Ent., **81**: 49 (*Polyxena*). Type-locality: Driebergen (Netherlands).—Distr.: Europe: D, NL, S; Asia: Mongolia.
- styliforceps** (BUKOWSKI, 1934): Konowia, **13**: 186 (*Polyxena*). Type-locality: “Naturschutzgebiet von Krim unweit Aloschta” (Crimea, USSR).—Distr.: USSR: SET (Crimea).
- vitiosa** WINNERTZ, 1863: Verh. zool.-bot. Ges. Wien, **13**: 957 (*Cordyla*). Type-locality: not given (?Krefeld) [D].—Distr.: Europe: D, H, PL, R.

## Nomina dubia

*Piotepalpus* RONDANI, 1856: Dipt. Ital. Prodrromus, I: 196. Type-species: *Piotepalpus hirtipes* RONDANI, 1856: l.c.: 196 (mon.).  
*hirtipes* RONDANI, 1856: Dipt. Ital. Prodrromus, I: 156 (*Piotepalpus*). Nomen nudum. Probably a species of *Cordyla* MEIGEN.

**Exechia** WINNERTZ, 1863

WINNERTZ, 1863: Verh. zool.-bot. Ges. Wien, 13: 879.

Type-species: *Tipula fungorum*: WINNERTZ, 1863: Verh. zool.-bot. Ges. Wien, 13: 886, misidentified, as *Exechia fungorum* (DE GEER) (des. JOHANNSEN, 1909: Mycetophilidae in WYTSMAN: Genera Insectorum, Fasc. 93: 106) [= *fusca* (MEIGEN, 1804)].

*Parexechia* BECHER, 1886: K. Akad. Wiss. Wien, Die Internationale Polarforschung 1882–1883, 3(6): 62. Type-species: *Parexechia concolor* BECHER, 1886: l.c.: 63 (mon.) [= *frigida* (BOHEMAN, 1865)].

**bicincta** (STAEGER, 1840): Naturh. Tidsskr., 3: 263 (*Mycetophila*). Type-locality: not given (Denmark).—Distr.: Europe: widely distributed; USSR: NET, SET.

*interrupta* (ZETTERSTEDT, 1852): Dipt. Scand., 11: 4240 (*Mycetophila*). Type-locality: Lund (Sweden).

*serpentina* LUNDSTRÖM, 1911: Annl. hist.-nat. Mus. natn. hung., 9: 40 (*Exechia*). Type-locality: Gyón (Hungary).

*spinosa* BUKOWSKI, 1949: Ent. Obozr., 30: 407 (*Exechia*). Type-locality: Crimea (USSR).

**cincta** WINNERTZ, 1863: Verh. zool.-bot. Ges. Wien, 13: 893 (*Exechia*). Type-locality: not given (?Krefeld) [D].—Distr.: Europe: A, D, F, H, NL, PL, S, SF; USSR: NET, WS, ES, FE.

*dentata* LUNDSTRÖM, 1916: Annl. hist.-nat. Mus. natn. hung., 14: 75 (*Exechia*). Type-locality: Kovácspatak (Czechoslovakia).

**cingulata** (MEIGEN, 1830): Syst. Besch., 6: 302 (*Mycetophila*). Type-localities: not given ("coll. von Herrn von Winthem") (?Germany), "auch hier" (?Aachen).—Distr.: Europe: D, F.

**confinis** WINNERTZ, 1863: Verh. zool.-bot. Ges. Wien, 13: 892 (*Exechia*). Type-locality: not given (?Krefeld) [D].—Distr.: Europe: D, F, GB, H, PL, R, SF; USSR: CET (Est, La).

**contaminata** WINNERTZ, 1863: Verh. zool.-bot. Ges. Wien, 13: 891 (*Exechia*). Type-locality: not given (?Krefeld) [D].—Distr.: Europe: widely distributed, but not in the south; USSR: NET, CET, WS, ES, FE; North America.

**cornuta** LUNDSTRÖM, 1914: Acta Soc. Fauna Flora fenn., 39(3): 24 (*Exechia*). Type-locality: Kusomen (Kola Peninsula, USSR).—Distr.: Europe: D, S, SF; USSR: NET, WS, ES, FE.

- dahli** NIELSEN, 1966: Bolm Mus. munic. Funchal, **20**: 8 (*Exechia*). Type-locality: Casa des Quelimadas (Madeira).—Distr.: Madeira.
- dizona** EDWARDS, 1924: Ent. Tidskr., **45**: 166 (*Exechia*, as "new name" for *bicineta*: LUNDSTRÖM, not STAEGER, 1840). Type-localities: Kuustö and Messuby (Finland).—Distr.: Europe: D, F, GB, IRE, NL, PL, R, SF; USSR: NET, CET (Est, La), WS, ES, FE.
- dorsalis** (STAEGER, 1840): Naturh. Tidsskr., **3**: 262 (*Mycetophila*). Type-locality: not given (Denmark).—Distr.: Europe: widely distributed, but not in the south; USSR: NET, CET, WS, ES, FE; Asia: Mongolia.
- bispinosa* LUNDSTRÖM, 1909: Acta Soc. Fauna Flora fenn., **32**(2): 53 (*Exechia*). Type-localities: Kuustö and Kytkslätt (Finland).
- marikovskii* PLOTNIKOVA, 1962: Ent. Obozr., **41**: 895 (*Exechia*). Type-locality: Tomsk distr. (W Siberia, USSR).
- exigua** LUNDSTRÖM, 1909: Acta Soc. Fauna Flora fenn., **32**(2): 52 (*Exechia*). Type-locality: Kuustö (Finland).—Distr.: Europe: CH, D, F, GB, IRE, N, PL, SF; USSR: CET (La), WS, ES.
- festiva** WINNERTZ, 1863: Verh. zool.-bot. Ges. Wien, **13**: 899 (*Exechia*). Type-locality: not given (?Krefeld) [D].—Distr.: Europe: A, D, F, IRE, PL, SF; USSR: CET (La).
- frigida** (BOHEMAN, 1865): Öfvers. K. svenska VetenskAkad. Förh., **22**: 576 (*Mycetophila*). Type-locality: Whale Point, Storfjorden (Spitzbergen).—Distr.: Europe: GB, IS, N (incl. Jan Mayen and Spitsbergen), S, SF; USSR: NET, CET (La), WS, FE; North America.
- concolor* (BECHER, 1886): K. Akad. Wiss. Wien, Internationale Polarforschung 1882-83, **3**(6): 63 (*Parexechia*). Type-locality: Jan Mayen.
- fusca** (MEIGEN, 1804): Klass. Beschr., **1**: 91 (*Mycetophila*). Type-locality: not given (?Germany).—Distr.: entire Europe, in USSR to TC in the south and ES in the east; Canary Is.; North America.
- lateralis* (MEIGEN, 1818): Syst. Beschr., **1**: 266 (*Mycetophila*). Type-locality: not given (?Germany).
- guttiventris* (MEIGEN, 1830): Syst. Beschr., **6**: 301 (*Mycetophila*). Type-locality: not given ("coll. von Herrn von Winthem") (?Germany).
- griseicollis* SANTOS ABREU, 1920: Mems R. Acad. Cienc. Artes Barcelona, **16**: 84 (*Exechia*). Type-locality: La Palma (Canary Is.).
- gracilis** BUKOWSKI, 1949: Ent. Obozr., **30**: 408 (*Exechia*). Type-locality: Crimea (USSR).—Distr.: USSR: SET (Crimea).
- inaperta** OSTROVERKHOVA, 1979: Fungus-gnats (Diptera, Mycetophiloidea) of Siberia, Tomsk, **1979**: 149 (*Exechia*). Type-locality: Krasnojarskiy kray, zapovednik Stolby, Laletino (E Siberia, USSR).—Distr.: USSR: ES.
- intermedia** SANTOS ABREU, 1920: Mems R. Acad. Cienc. Artes Barcelona, **16**: 78 (*Exechia*). Type-locality: La Palma (Canary Is.).—Distr.: unrecognized.
- lucidula** (ZETTERSTEDT, 1838): Insecta Lapp.: 865 (*Mycetophila*). Type-locality: "Lapponia Tornensi, Wittangi" (Sweden).—Distr.: Europe: D, GB, H, PL, S, SF; USSR: NET, CET (Est, La, Rs), WS.
- lundstroemi** LANDROCK, 1923: Wien. ent. Ztg, **40**: 170 (*Exechia*, as "new name" for



- Exechia interrupta*: LUNDSTRÖM, 1909, not ZETTERSTEDT, 1852). Type-locality: Kuustö (Finland).—Distr.: Europe: D, F, GB, NL, S, SF; USSR: NET, CET (Est, La); Asia: Mongolia.
- macrura** STROBL, 1910: Mitt. naturw. Ver. Steierm., **46**: 255 (*Exechia*). Type-locality: Turrach, Steiermark (Austria).—Distr.: Europe: A.
- maculipennis** (STANNIUS, 1831): Observ. Mycetoph., **1831**: 27 (*Mycetophila*). Type-locality: Salzbrunn (Poland).—Distr.: Europe: A, D, H, PL, S, SF; USSR: NET.
- micans** LAŠTOVKA et MATILE, 1974: Acta zool. hung., **20**: 108 (*Exechia*). Type-locality: “Chövsgöl aimak: 3 km SW von Somon Burenchaan” (Mongolia).—Distr.: Asia: Mongolia.
- nigra** EDWARDS, 1925: Trans. R. ent. Soc. Lond., **1924**: 595 (*Exechia*). Type-locality: Loch Alsh (Great Britain).—Distr.: Europe: CH, D, GB, IS, S, SF; USSR: NET; Asia: Mongolia.
- nigrofuscus** LUNDSTRÖM, 1909: Acta Soc. Fauna Flora fenn., **32**(2): 302 (*Exechia*). Type-localities: Kuustö and Helsingfors (Finland).—Distr.: Europe: D, DDR, NL, S, SF; USSR: NET, CET (La).
- nigroscutellata** LANDROCK, 1912: Wien. ent. Ztg, **31**: 309 (*Exechia*). Type-locality: “Mähren, Josefstal bei Adamstal” [= Adamov Valley] (Czechoslovakia).—Distr.: Europe: CS, D, F, GB, PL, S, SF; USSR: NET, CET (Est, La), TC (Ge), WS, ES, FE; Asia: Mongolia.
- nitidicollis** LUNDSTRÖM, 1913: Annl. hist.-nat. Mus. natn. hung., **11**: 311 (*Exechia*). Type-locality: Chamonix (France).—Distr.: Europe: D, F, IS, NL; USSR: NET; North America; Greenland.
- papyracea** STACKELBERG, 1948: Ent. Obozr., **30**: 97 (*Exechia*). Type-locality: Tolmatshevo, Leningrad district (USSR).—Distr.: USSR: NET, WS, ES, FE.
- parva** LUNDSTRÖM, 1909: Acta Soc. Fauna Flora fenn., **32**(2): 50 (*Exechia*). Type-localities: Kuustö, Karislojo and Helsingfors (Finland).—Distr.: Europe: A, D, GB, IRE, NL, PL, SF; USSR: NET, CET (Est, La), WS, ES.
- parvula** (ZETTERSTEDT, 1852): Dipt. Scand., **11**: 4244 (*Mycetophila*, as new name for *nana* STAEGER, 1840); a junior primary homonym of *M. nana* MACQUART, 1826.—Distr.: Europe: widely distributed; USSR: NET, CET, WS.
- nana* (STAEGER, 1840): Naturh. Tidsskr., **3**: 264 (*Mycetophila*). Type-locality: not given (Denmark).
- pavani** TOLLET, 1959: Bull. Annl. Soc. r. ent. Belg., **95**: 223 (*Exechia*). Type-localities: Buco del Pajello, Castello, Valdagno, Vicenza (Italy).—Distr.: Europe: I.
- pectinata** OSTROVERKHOVA, 1979: Fungus-gnats (Diptera, Mycetophiloidea) of Siberia, Tomsk, **1979**: 152 (*Exechia*). Type-locality: Tomsk. obl., nisovja rr. Tomi (W Siberia, USSR).—Distr.: USSR: WS.
- pectinivalva** STACKELBERG, 1948: Ent. Obozr., **30**: 96 (*Exechia*). Type-locality: Paulovo, Leningrad district (USSR).—Distr.: USSR: NET.

- peyerimhoffi** BURGHELE-BALACESCO, 1967: *Int. J. Speleol.*, **2**: 330 (*Exechia*). Type-localities: Ifri bou-Anou: Tifritz Si Ait M'hammed ou-Ali, Tessereft Tabort Boufrichen, Tessereft Guiril, Tessereft Agouni Tamkijet (caves in Algeria).—Distr.: Europe: F, GB, S; North Africa: Algeria.
- praedita** PLASSMANN, 1967: *Senckenberg. biol.*, **57**: 73 (*Exechia*). Type-locality: Kaltisjokk, Messaure (Sweden).—Distr.: Europe: S.
- pseudocincta** STROBL, 1910: *Mitt. naturw. Ver. Steierm.*, **46**: 255 (*Exechia*). Type-localities: "Obersteier und Bachernt", Steiermark (Austria).—Distr.: Europe: A, D, F, GB, H, PL, S, SF; USSR: CET (La), TC, (Ge), WS, ES, FE.
- spicata* PLOTNIKOVA, 1962: *Ent. Obozr.*, **41**: 894 (*Exechia*). Type-locality: Tomsk (W Siberia, USSR).
- pseudocontaminata** SANTOS ABREU, 1920: *Mems R. Acad. Cienc. Artes Barcelona*, **16**: 74 (*Exechia*). Type-locality: La Palma (Canary Is.).—Distr.: Canary Is.
- pseudofestiva** LACKSCHEWITZ, 1937: *Arb. NatForschVer. Riga (N.F.)*, **21**: 24 (*Exechia*). Type-locality: "Lettland: Paplaka" (Latvian SSR, USSR).—Distr.: Europe: F, GB, PL; USSR: CET (La, Rs), FE.
- pullata** OSTROVERKHOVA, 1979: *Fungus-gnats (Diptera, Mycetophiloidea) of Siberia, Tomsk, 1979*: 153 (*Exechia*). Type-locality: Sikhote-Alinskiy zapovednik, Majsja (Far East, USSR).—Distr.: USSR: FE.
- repanda** JOHANNSEN, 1912: *Bull. Me agric. Exp. Stn.*, (2) **200**: 73 (*Exechia*). Type-locality: Boston, Mass. (USA).—Distr.: Europe: F, GB, H, NL, SF; USSR: NET, CET, WS, FE; North America.
- rubella** SANTOS ABREU, 1920: *Mems R. Acad. Cienc. Artes Barcelona*, **16**: 77 (*Exechia*, as var. of *pseudocontaminata* SANTOS ABREU). Type-locality: La Palma (Canary Is.).
- seducta** PLASSMANN, 1976: *Senckenberg. biol.*, **57**: 75 (*Exechia*). Type-locality: Kaltisjokk, Messaure (Sweden).—Distr.: Europe: S.
- separata** LUNDSTRÖM, 1912: *Acta Soc. Fauna Flora fenn.*, **36**(1): 34 (*Exechia*). Type-localities: Kuustö and Muonio (Finland).—Distr.: Europe: D, F, GB, H, NL, PL, S, SF; USSR: NET, CET (Est, La), WS, ES, FE; North Africa; Algeria.
- seriata** (MEIGEN, 1830): *Syst. Besch.*, **6**: 302 (*Mycetophila*). Type-locality: "Berliner Gegend".—Distr.: Europe: widely distributed, less in the south; USSR: NET, CET, WS, ES, FE; Asia: Japan (Honshu).
- pallida* (STANNIUS, 1831): *Observ. Mycetoph.*, **1831**: 27 (*Mycetophila*). Type-localities: Hamburg [D] and Salzbrunn (Poland).
- modesta* (DUFOUR, 1839): *Anns Sci. nat.*, (2) **12**: 26 (*Mycetophila*). Type-locality: France.
- ochracea* (ZETTERSTEDT, 1852): *Dipt. Scand.*, **11**: 4242 (*Mycetophila*). Type-locality: "Scania, Esperöd" (Sweden).
- serrata** WINNERTZ, 1863: *Verh. zool.-bot. Ges. Wien*, **13**: 890 (*Exechia*). Type-locality: not given (?Krefeld) [D].—Distr.: Europe: D, F.

- shiitakevora** OKADA, 1938: J. Fac. Agric. Hokkaido (imp.) Univ., **42**: 320 (*Exechia*).  
Type-locality: Sapporo, Hokkaido (Japan).—Distr.: Asia: Japan (Hokkaido).
- sibirica** OSTROVERKHOVA, 1979: Fungus-gnats (Diptera, Mycetophiloidea) of Siberia, Tomsk, **1979**: 155 (*Exechia*, as "*sibirica* OSTR."). Type-locality: Tomsk (W Siberia, USSR).—Distr.: USSR: WS.
- similis** LAŠTOVKA et MATILE, 1974: Acta zool. hung., **20**: 111 (*Exechia*). Type-locality: "Central aimak: 11 km OSO von Somon Bajanzogt" (Mongolia).—Distr.: Asia: Mongolia.
- sororcula** LACKSCHEWITZ, 1937: Arb. NatForschVer. Riga (N.F.), **21**: 22 (*Exechia*). Type-locality: Tartu (Estonian SSR, USSR).—Distr.: Europe: D, GB; USSR: CET (Est), WS, ES, FE.
- spinigera** WINNERTZ, 1863: Verh. zool.-bot. Ges. Wien, **13**: 890 (*Exechia*). Type-localities: not given ("im Walde" (?Krefeld) [D] "auch in der Sammlung des Herrn Baron v. Osten-Sacken in St. Petersburg") (?Leningrad district, USSR).—Distr.: Europe: A, D, E, NL, PL, S, SF; USSR: NET, WS, FE.  
*borealis* LUNDSTRÖM, 1912: Acta Soc. Fauna Flora fenn., **36**(1): 33 (*Exechia*, as var. of *spinuligera* LUNDSTRÖM). Type-localities: Tornea, Muonio, Kittilä, Pallastunturi, Enontekiö, Lutto (Finland).
- spinuligera** LUNDSTRÖM, 1912: Acta Soc. Fauna Flora fenn., **36**(1): 33 (*Exechia*). Type-localities: Kuustö, Karislojo, Vasa (Finland) and Sortavala (USSR).—Distr.: Europe: D, F, GB, IRE, IS, NL, S, SF; USSR: NET, CT, FE.
- styriaca** STROBL, 1898: Mitt. naturw. Ver. Steierm., **34**: 288 (*Exechia*). Type-locality: Kematenwald, Steiermark (Austria).—Distr.: Europe: A.
- subfrigida** LAŠTOVKA et MATILE, 1974: Acta zool. hung., **20**: 111 (*Exechia*). Type-locality: "Chentej aimak: 10 km W von Somon Delgerchaan" (Mongolia).—Distr.: USSR: WS, ES; Asia: Mongolia.
- tajimaensis** OKADA, 1940: Tenthredo, **3**: 38 (*Exechia*). Type-locality: Hamasaka, Tajima (Japan).—Distr.: Asia: Japan (Honshu).
- tenuimaculata** SANTOS ABREU, 1920: Mem. R. Acad. Cienc. Artes Barcelona, **16**: 71 (*Exechia*). Type-locality: La Palma (Canary Is.).—Distr.: Canary Is.
- triseta** OSTROVERKHOVA, 1979: Fungus-gnats (Diptera, Mycetophiloidea) of Siberia, Tomsk, **1979**: 156 (*Exechia*, a junior primary homonym of *E. triseta* TOLLET, 1955). Type-localities: Sikhote-Alin nat. reserv.: Zimovejnyj, Blagodatnyj, Maksimovitja, Shanduj, Ternej, Majsja (Far East, USSR).—Distr.: USSR: FE.
- unifasciata** LACKSCHEWITZ, 1937: Arb. NatForschVer. Riga (N.F.), **21**: 23 (*Exechia*). Type-locality: "Lettland: Ilga" (Latvian SSR, USSR).—Distr.: Europe: SF; USSR: CET (La), WS, ES; Asia: Mongolia.
- unimaculata** (ZETTERSTEDT, 1860): Dipt. Scand., **14**: 6565 (*Mycetophila*). Type-locality: "Lapponia Umensi, Tärna" (Sweden).—Distr.: Europe: N, S, SF; USSR: NET, CET, WS, ES.

Unplaced species of the *Exechia* genus group\*

- brinckiana** NIELSEN, 1966: Bolm Mus. munic. Funchal, **20**: 6 (*Exechia*). Type-locality: Sao Miguel (Azores).—Distr.: Azores.
- concinna** WINNERTZ, 1863: Verh. zool.-bot. Ges. Wien, **13**: 889 (*Exechia*). Type-locality: not given (?Krefeld) [D].—Distr.: unrecognized.
- fulva** SANTOS ABREU, 1920: Memos R. Acad. Cienc. Artes Barcelona, **16**: 78 (*Exechia*). Type-locality: Fuente Bermeja, La Palma (Canary Is.).—Distr.: Canary Is.
- pulchrigaster** SANTOS ABREU, 1920: Memos R. Acad. Cienc. Artes Barcelona, **16**: 90 (*Exechia*). Type-locality: La Palma (Canary Is.).—Distr.: unrecognized.
- rufithorax** VAN DER WULP, 1874: Tijdschr. Ent., **17**: 124 (*Exechia*). Type-locality: Driebergen (Netherlands).—Distr.: Europe: NL.
- speciosa** WINNERTZ, 1863: Verh. zool.-bot. Ges. Wien, **13**: 898 (*Exechia*). Type-locality: not given (?Krefeld) [D].—Distr.: unrecognized.

**Exechiopsis** TUOMIKOSKI, 1966

TUOMIKOSKI, 1966: Annls ent. fenn., **32**: 177.

Type-species: *Exechia subulata* WINNERTZ, 1863: Verh. zool.-bot. Ges. Wien, **13**: 881 (orig. des.).

*Xenexechia* TUOMIKOSKI, 1966: see below as subgenus.

Subgenus **EXECHIOPSIS** TUOMIKOSKI, 1966

- angulosa** OSTROVERKHOVA, 1979: Fungus-gnats (Diptera, Mycetophiloidea) of Siberia, Tomsk, **1979**: 158 (*Exechiopsis*). Type-locality: Krasnojarskiy kray, Tungusko-Chunskij rayon, pos. Vanavara (E Siberia, USSR).—Distr.: USSR: ES, FE.
- argillacea** (OSTROVERKHOVA, 1977): Trudy nauchno-issled. inst. biol. biofiz. Tomsk, Univ., **8**: 31 (*Exechia*). Type-locality: Khabarovskiy kray, Sovetsko-Gavanskiy rayon, okr. r. Sovgavani (Far East, USSR).—Distr.: USSR: FE.
- calceolata** (OSTROVERKHOVA, 1977): Trudy nauchno-issled. inst. biol. biofiz. Tomsk, **8**: 26 (*Rhymosia*). Type-locality: Tomsk obl., Paradelskiy rayon, okr. pos. Starichy (W Siberia, USSR). Repeated description as *Exechiopsis calceolata* sp. n. in OSTROVERKHOVA, 1979 with other type-locality, but "original" holotype included among the paratypes.—Distr.: USSR: WS, ES, FE.

\* *Exechia*, *Exechiopsis*, *Pseudexechia* described as *Exechia*.

- clypeata** (LUNDSTRÖM, 1911): Annl. hist.-nat. Mus. natn. hung., **9**: 405 (*Exechia*). Type-locality: Federaun, Kärnten (Austria).—Distr.: Europe: A, D, GB, IRE, PL; USSR: CET (La).
- coremura** (EDWARDS, 1928): Encycl. ent. (B II) Dipt., **4**: 162 (*Exechia*).—Type-locality: Vizzavona Forest, Corsica (France).—Distr.: Europe: F (Corsica); North Africa: Algeria.
- distendens** (LACKSCHEWITZ, 1937): Arb. NatForschVer., Riga (N.F.), **21**: 28 (*Exechia*). Type-locality: "Lettland: Paplaka" (Latvian SSR, USSR).—Distr.: Europe: D, SF; USSR: CET (La), WS, FE.
- dryaspagensis** CHANDLER, 1977: Proc. Brit. ent. nat. Hist. Soc., **10**(3-4): 72 (*Exechiopsis*). Type-locality: Eglwyseg Mountain, Llangollen, Denbighshire, Wales (Great Britain).—Distr.: Europe: GB.
- dumitrescui** (BURGHELE-BALACESCU, 1972): Int. J. Speleol., **3**: 390 (*Exechia*). Type-locality: "Pestera lui Dutu (Hunedoara)" (Roumania).—Distr.: Europe: GB, R; Asia: Mongolia.
- dumitrescae*, emend.
- evidens** OSTROVERKHOVA, 1979: Fungus-gnats (Diptera, Mycetophiloidea) of Siberia, Tomsk, **1979**: 160 (*Exechiopsis*). Type-locality: Sikhote-Alinskiy zapovednik, Majsja (Far East, USSR).—Distr.: USSR: FE.
- fimbriata** (LUNDSTRÖM, 1909): Acta Soc. Fauna Flora fenn., **32**(2): 47 (*Exechia*). Type-locality: Kuustö (Finland).—Distr.: Europe: CS, D, F, GB, NL, PL, SF; USSR: NET, FE.
- forcipata** (LACKSCHEWITZ, 1937): Arb. NatForschVer. Riga (N.F.), **21**: 27 (*Exechia*). Type-locality: "Lettland: Kalvene" (Latvian SSR, USSR).—Distr.: Europe: D, PL; USSR: CET (La), ES, FE.
- furcata** (LUNDSTRÖM, 1911): Annl. hist.-nat. Mus. natn. hung., **9**: 406 (*Exechia*). Type-locality: "Tyrolis: Jugum Stelvianum" (Italy).—Distr.: Europe: BG, CH, CS, D, F, GB, I, R.
- graphica** (PLASSMANN, 1978): Senckenberg. biol., **59**: 210 (*Exechia*). Type-locality: "Schwedisch-Lappland, Kaltisjokk" (Sweden).—Distr.: Europe: S.
- grassatura** (PLASSMANN, 1978): Senckenberg. biol., **59**: 212 (*Exechia*). Type-locality: "Schwedisch-Lappland, Kaltisjokk" (Sweden).—Distr.: Europe: S.
- hammi** (EDWARDS, 1925): Trans. R. ent. Soc. Lond., **1924**: 598 (*Exechia*). Type-locality: Oxford (Great Britain).—Distr.: Europe: F, GB, IRE, SF; USSR: CET (Est), WS.
- indecisa** (WALKER, 1856): Ins. Brit., Dipt., **3**: 22 (*Mycetophila*). Type-locality: England (Great Britain).—Distr.: Europe: widely distributed; USSR: NET, CET, TC, WS, ES.
- vicina* (STAEGER, 1840): Naturh. Tidsskr., **3**: 26 (*Mycetophila*). Type-locality: not given (Denmark); questionable synonymy.
- tenuicornis* VAN DER WULP, 1858: Tijdschr. Ent., **2**: 177 (*Mycetophila*). Type-locality: Netherlands.

- ingrica** (STACKELBERG, 1948): Ent. Obozr., **30**: 102 (*Exechia*). Type-locality: Sablino, Leningrad district (USSR).—Distr.: USSR: NET.
- intersecta** (MEIGEN, 1818): Syst. Besch., **1**: 271 (*Mycetophila*). Type-locality: not given ("In der Sammlung des Hrn Grafen von Hoffmannsegg") (?Germany).—Distr.: Europe: widely distributed.
- gracilicornis* (LANDROCK, 1912): Wien. ent. Ztg, **31**: 37 (*Exechia*). Type-locality: not given ("auf mährischen Boden").
- januarii** (LUNDSTRÖM, 1913): Meddn Soc. Fauna Flora fenn., **39**: 104 (*Exechia*). Type-locality: Kuopio (Finland).—Distr.: Europe: SF; USSR: CET (La).
- jenkinsoni** (EDWARDS, 1925): Trans. R. ent. Soc. Lond., **1924**: 600 (*Exechia*). Type-locality: Logie, Elgin (Great Britain).—Distr.: Europe: E, F, GB, IRE, R.
- lackschewitziana** (STACKELBERG, 1948): Ent. Obozr., **30**: 97 (*Exechia*). Type-locality: Sablino, Leningrad district (USSR).—Distr.: Europe: R, S; USSR: NET, WS.
- leruthi* (TOLLET, 1955): Mém. Soc. r. ent. Belg., **27**: 464 (*Rhymosia*). Type-locality: "Judetzul Bihor, Pl. Aled d'Calatzea, Pest. de la Cuglis" (Roumania).
- landrocki** (LUNDSTRÖM, 1912): Acta Soc. Fauna Flora fenn., **36**(1): 36 (*Exechia*). Type-locality: Pallastunturi (Finland).—Distr.: Europe: R, S, SF; USSR: WS, ES, FE.
- ligulata** (LUNDSTRÖM, 1913): Annlis hist.-nat. Mus. natn. hung., **9**: 404 (*Exechia*). Type-locality: Muonio (Sweden).—Distr.: Europe: A, D, F, GB, S, SF.
- magnicauda** (LUNDSTRÖM, 1911): Annlis hist.-nat. Mus. natn. hung., **9**: 404 (*Exechia*). Type-locality: Napoleonwiese, Kärnten (Austria).—Distr.: Europe: A, CH, CS, F, GB, PL, R; USSR: CET (La).
- maritima** OSTROVERKHOVA, 1979: Fungus-gnats (Diptera, Mycetophiloidea) of Siberia, Tomsk, **1979**: 163 (*Exechiopsis*). Type-locality: Sikhote-Alinskiy zapovednik (Chanduj) (Far East, USSR).—Distr.: USSR: FE.
- multiloba** OSTROVERKHOVA, 1979: Fungus-gnats (Diptera, Mycetophiloidea) of Siberia, Tomsk, **1979**: 163 (as *Exechiopsis* (*E.*) *multiloba* OSTR. (1978); repeated description as sp. n. in OSTROVERKHOVA, 1980. Type-localities mentioned 1979: Tomsk and Sikhote-Alin nature reserve; Type-locality mentioned 1980: Tomsk.—Distr.: USSR: WS, FE.
- oltenica** (BURGHELE-BALACESCO, 1965): Lucr. Inst. Speol. E. Racovita, **4**: 171 (*Exechia*). Type-locality: Baia de Arama, Reg. Oltenia (syntypes from 4 caves) (Roumania).—Distr.: Europe: R.
- patula** (PLASSMANN, 1978): Senckenberg. biol., **59**: 212 (*Exechia*). Type-locality: Swedish-Lappland, Kaltisjokk (Sweden).—Distr.: Europe: S.
- porrecta** (OSTROVERKHOVA, 1977): Trudy nauchno-issled. inst. biol. biofiz. Tomsk., Univ., **8**: 32 (*Exechia*). Type-locality: Khabarovskiy kray, Sovgavanskiy rayon, okr. pos. Zavety Illicha (Far East, USSR).—Distr.: USSR: ES, FE.

- pseudindecisa** LAŠTOVKA et MATILE, 1974: Acta zool. hung., **20**: 113 (*Exechiopsis*).  
Type-locality: "Grotte de Eancogne (Charente)" (France).—Distr.: Europe: D, F, GB; USSR: FE; Asia: Mongolia.
- pseudopulchella** (LUNDSTRÖM, 1912): Acta Soc. Fauna Flora fenn., **36**(1): 31 (*Exechia*). Type-localities: Kuustö and Helsingfors (Finland).—Distr.: Europe: SF.
- pulchella** (WINNERTZ, 1863): Verh. zool.-bot. Ges. Wien, **13**: 883 (*Exechia*). Type-locality: not given (?Krefeld) [D].—Distr.: Europe: A, CH, D, F, GB, IRE, NL, R, SF; USSR: CET.  
*forciposa* (TOLLET, 1955): Mém. Soc. r. ent. Belg., **27**: 461 (*Exechia*). Type-locality: "Judetzul Bihor, Pl. Vasceu: Baitza, Pestera de la Varnitza" (Roumania); questionable synonymy.
- sagittata** LAŠTOVKA et MATILE, 1974: Acta zool. hung., **20**: 115 (*Exechiopsis*). Type-locality: "Central aimak: 11 km OSO von Somon Bajanzogt" (Mongolia).—Distr.: USSR: FE; Asia: Mongolia.
- setosa** OSTROVERKHOVA, 1979: Fungus-gnats (Diptera, Mycetophiloidea) of Siberia, Tomsk, **1979**: 105 ("*Exechiopsis (E.) setosa* OSTR. (1978)", repeated description as sp. n. in OSTROVERKHOVA, 1980). Type-locality: Tomsk (W Siberia, USSR).—Distr.: USSR: WS.
- stylata** OSTROVERKHOVA, 1979: Fungus-gnats (Diptera, Mycetophiloidea) of Siberia, Tomsk, **1979**: 166 (*Exechia*); a junior primary homonym of *Exechia stylata* LAŠTOVKA and MATILE, 1974. Type-locality: Krasnojarskiy kray, zapovednik Stolby (E Siberia, USSR).—Distr.: USSR: ES.
- subulata** (WINNERTZ, 1863): Verh. zool.-bot. Ges. Wien, **13**: 881 (*Exechia*). Type-locality: not given (?Krefeld) [D].—Distr.: Europe: widely distributed, less in the south.
- triseta** (TOLLET, 1955): Mém. Soc. r. ent. Belg., **27**: 460 (*Exechia*). Type-locality: "Judetzul Turda, Pl. Campeni: Scarisoara Hoancele Ca Ida rilor" (Roumania).—Distr.: Europe: D, R.
- unguiculata** (LUNDSTRÖM, 1911): Annls hist.-nat. Mus. natn. hung., **9**: 408 (*Exechia*). Type-localities: Jasenak (Yugoslavia) and "Styria Alpes" (Austria).—Distr.: Europe: A, D, E, F, GB, IRE, R, YU; USSR: TC (Ge).
- vizzavonensis** (EDWARDS, 1928): Encycl. ent. (B II) Dipt., **4**: 163 (*Exechila*). Type-locality: Vizzavona forest (Corsica, France).—Distr.: Europe: BG, D, E, F (Corsica), R.
- wanawarica** OSTROVERKHOVA, 1979: Fungus-gnats (Diptera, Mycetophiloidea) of Siberia, Tomsk, **1979**: 166 (*Exechiopsis*). Type-locality: Krasnojarskiy kray, Tungusko-Chunskiy rayon, okr. pos. Vanavary (E Siberia, USSR).—Distr.: USSR: ES.

## Subgenus XENEXECHIA TUOMIKOSKI, 1966

TUOMIKOSKI, 1966: *Annls ent. fenn.*, **32**: 179.

Type-species: *Exechia persipua* JOHANNSEN, 1912: *Bull. Me agric. Exp. Stn*, **200**: 67 (orig. des.).

- aculeata** OSTROVERKHOVA, 1979: Fungus-gnats (Diptera, Mycetophiloidea) of Siberia, Tomsk, **1979**: 166 ("*Exechiopsis* (*X.*) *aculeata* OSTR. (1978)", repeated description as sp. n. in OSTROVERKHOVA, 1980). Type-locality: Tomsk (W Siberia, USSR).—Distr.: USSR: WS.
- atlantis** (STORÅ, 1948): *Commentat. biol.*, **8**(10): 9 (*Exechia*). Type-locality: San Miguel (Azores).—Distr.: Azores.
- cinctiformis** (STORÅ, 1941): *Ark. Zool.*, **33B**(6): 2 (*Exechia*). Type-locality: Rabacal (Madeira).—Distr.: Madeira.
- crucigera** (LUNDSTRÖM, 1909): *Acta Soc. Fauna Flora fenn.*, **32**(2): 48 (*Exechia*). Type-locality: Kuustö (Finland).—Distr.: Europe: D, ?DDR, F, GB, NL, PL, R, SF; USSR: NET.
- davatchii** (MATILE, 1969): *Annls Soc. ent. Fr. (N.S.)*, **5**: 244 (*Rymosia*). Type-locality: Assalem forest, Guilan (Iran).—Distr.: Asia: Iran.
- kaszabi** LAŠTOVKA et MATILE, 1974: *Acta zool. hung.*, **20**: 117 (*Exechiopsis*). Type-locality: "Archangaj aimak: 30 km S vom See Ogij nuur am Chogschin-Orchon" (Mongolia).—Distr.: Asia: Mongolia.
- leptura** (MEIGEN, 1830): *Syst. Besch.*, **6**: 301 (*Mycetophila*). Type-locality: not given ("coll. von Herrn von Winthem") (?Germany).—Distr.: Europe: widely distributed.
- membranacea* (LUNDSTRÖM, 1912): *Acta Soc. Fauna Flora fenn.*, **36**(1): 37 (*Exechia*). Type-locality: Muonio (Finland).
- palettata** (BURGHELE-BALACESCO, 1965): *Lucr. Inst. speol. E. Racovita*, **4**: 173 (*Exechia*). Type-localities: "Pestera Fusteica, Pestera de la Piatra Arsa din Cernisoara" (caves in Roumania).—Distr.: Europe: D, R.
- persipua** (JOHANNSEN, 1912): *Bull. Me agric. Exp. Stn*, **200**: 67 (*Exechia*). Type-localities: Sage Creek, Wyoming and Orono, Maine (USA).—Distr.: Europe: SF; North America.
- pollicata** (EDWARDS, 1925): *Trans. R. ent. Soc. Lond.*, **1924**: 599 (*Exechia*). Type-locality: Hitchin, Herts. (Great Britain).—Distr.: Europe: D, E, GB, SF; USSR: CET (La), WS; Asia: Mongolia; North Africa: Algeria.
- pruinosa** LAŠTOVKA et MATILE, 1974: *Acta zool. hung.*, **20**: 119 (*Exechiopsis*). Type-locality: "Chövsgöl aimak: 3 km SW von Somon Burenchaan" (Mongolia).—Distr.: Asia: Mongolia.
- stylata** LAŠTOVKA et MATILE, 1974: *Acta zool. hung.*, **20**: 120 (*Exechiopsis*). Type-locality: "Central aimak: 11 km OSO von Somon Bajancogt" (Mongolia).—Distr.: Asia: Mongolia.



**Pseudexechia TUOMIKOSKI, 1966**

TUOMIKOSKI, 1966: *Annls ent. fenn.*, **32**: 180.

Type-species: *Exechia trisignata* EDWARDS, 1913: *Trans. R. ent. Soc. Lond.*, **1913**: 370 (orig. des.).

- aurivernica** CHANDLER, 1978: *Entomologist's Rec. J. Var.*, **90**(2): 45 (*Pseudexechia*). Type-locality: "Gwynedd (Merioneth): Brithdir, near Dolgellau" (Great Britain).—Distr.: Europe: GB, IRE.
- hamulata** (LACKSCHEWITZ, 1937): *Arb. NatForschVer. Riga (N.F.)*, **21**: 25 (*Exechia*). Type-locality: "Letland: Paplaka" (Latvian SSR, USSR).—Distr.: USSR: CET (La).
- parallela** (EDWARDS, 1925): *Trans. R. ent. Soc. Lond.*, **1924**: 596 (*Exechia*). Type-locality: Newmarket, Cambs. (Great Britain).—Distr.: Europe: D, GB, R; USSR: NET.
- trilobata** OSTROVERKHOVA, 1979: *Fungus-gnats (Diptera, Mycetophiloidea) of Siberia, Tomsk, 1979*: 168 (*Pseudexechia*). Type-locality: Tomskaja obl., Molchanovskiy rayon, okr. s. Koregod (W Siberia, USSR).—Distr.: USSR: WS.
- trisignata** (EDWARDS, 1913): *Trans. R. ent. Soc. Lond.*, **1913**: 370 (*Exechia*). Type-localities: Beattock (Great Britain).—Distr.: Europe: D, F (Corsica), GB, IRE, PL, SF; USSR: CET (La), FE.
- tristriata** (STACKELBERG in OSTROVERKHOVA and STACKELBERG, 1969): *Mycetophilidae, Опред. насеком. европ. части*, **5**: 299 (*Pseudexechia*). Type-locality: Leningrad district (USSR).—Distr.: USSR: NET, WS, FE.
- trivittata** (STAEGER, 1840): *Naturh. Tidsskr.*, **3**: 261 (*Mycetophila*). Type-locality: not given (Denmark).—Distr.: Europe: widely distributed; USSR: NET, WS.

**Pseudobrachypeza TUOMIKOSKI, 1966**

TUOMIKOSKI, 1966: *Annls ent. fenn.*, **32**: 188.

Type-species: *Brachypeza spuria* EDWARDS, 1913: *Trans. R. ent. Soc. Lond.*, **1913**: 365 (orig. des.) [= *helvetica* (WALKER, 1856)].

- helvetica** (WALKER, 1856): *Ins. Saunders.*, *Dipt.*: 416 (*Boletina*). Type-locality: Interlaken (Switzerland).—Distr.: Europe: widely distributed; Asia: Iran.
- barbipes** (WINNERTZ, 1863): *Verh. zool.-bot. Ges. Wien*, **13**: (*Allodia*). Type-locality: not given (?Krefeld) [D].
- spuria** (EDWARDS, 1913): *Trans. R. ent. Soc. Lond.*, **1913**: 365 (*Brachypeza*). Type-locality: Lodore, Cumberland (Great Britain).

**Pseudorymosia TUOMIKOSKI, 1966**

TUOMIKOSKI, 1966: *Annls ent. fenn.*, **32**: 169.

Type-species: *Rymosia optiva* DZIEDZICKI, 1910: *Horae Soc. ent. ross.*, **39**: 98 (orig. des.).

**fovea** (DZIEDZICKI, 1910): *Horae Soc. ent. ross.*, **39**: 94 (*Rymosia*). Type-locality: Byelorussia (USSR).—Distr.: Europe: CS, D, GB, PL; USSR: CET (By, La), WS.

**optiva** (DZIEDZICKI, 1910): *Horae Soc. ent. ross.*, **39**: 94 (*Rymosia*). Type-locality: Graefenberg [= Jeseník] (Czechoslovakia).—Distr.: Europe: CS, PL, SF.

**Rymosia WINNERTZ, 1863**

WINNERTZ, 1863: *Verh. zool.-bot. Ges. Wien*, **13**: 810.

Type-species: *Mycetophila discoidea*: WINNERTZ, 1863; l.c.: 810 (not MEIGEN, 1818) (des. JOHANNSEN, 1909: *Mycetophilidae in WYTSMAN: Genera Insectorum Fasc. 93*: 102 [= *fasciata* (MEIGEN, 1804)]).

*Rymosia*, emend.

**acta** DZIEDZICKI, 1910: *Horae Soc. ent. ross.*, **39**: 95 (*Rymosia*). Type-locality: "Olechówek, Gouvernement Minsk" (Byelorussia, USSR).—Distr.: USSR: CET (By, La); Asia: Mongolia.

**affinis** WINNERTZ, 1863: *Verh. zool.-bot. Ges. Wien*, **13**: 816 (*Rymosia*). Type-locality: not given (Frankfurt am Main as lectotype des.).—Distr.: Europe: widely distributed; Asia: Afghanistan; North Africa: Algeria.

**gracilipes** DZIEDZICKI, 1910: *Horae Soc. ent. ross.*, **39**: 92 (*Rymosia*). Type-localities: Riegersburg, Waldegg (Austria), Görz [= Gorizia] (Italy) and Corsica (France).

**armata** LACKSCHEWITZ, 1937: *Arb. NatForschVer. Riga (N.F.)*, **21**: 33 (*Rymosia*). Type-locality: "Lettland. Paplaka" (Latvian SSR, USSR).—Distr.: USSR: CET (La).

**balachowskyi** MATILE, 1969: *Annls Soc. ent. Fr. (N.S.)*, **5**: 246 (*Rymosia*). Type-locality: Assalem forest, Guilan (Iran).—Distr.: Asia: Iran.

**batava** (BARENDRECHT, 1938): *Tijdschr. Ent.*, **81**: 46 (*Allodia*). Type-locality: Netherlands.—Distr.: Europe: H, NL.

**beaucournu** MATILE, 1963: *Revue fr. Ent.*, **30**: 190 (*Rymosia*). Type-locality: Pyrénées: Grotte de Valbonne (France).—Distr.: Europe: F.

**bifida** EDWARDS, 1925: *Trans R. ent. Soc. Lond.*, **1924**: 604 (*Rymosia*). Type-locality: Hitchin, Herts. (Great Britain).—Distr.: Europe: D, F, GB, IRE, NL, PL, SF; USSR: NET, CET (La).

**minor** LANDROCK, 1925: *Natuurh. Maandbl.*, **14**: 35 (*Rymosia*). Type-locality: Valkenburg (Netherlands).

- caucasica** PLASSMANN, 1976: Senckenberg. biol., **57**: 70 (*Rymosia*). Type-locality: "Zentralkaukasus, Elbrus Tershol" (USSR).—Distr.: USSR: TC (Ge).
- connexa** WINNERTZ, 1863: Verh. zool.-bot. Ges. Wien, **13**: 814 (*Rymosia*). Type-locality: not given (?Krefeld) [D].—Distr.: Europe: A, CS, D, DDR, GB, NL, PL, SF; USSR: CET (Est, La), ES.
- alpina** STROBL, 1898: Mitt. naturw. Ver. Steierm., **34**: 285 (*Rymosia*, as var. of *connexa*). Type-localities: Sibizkogel and Kalbling, Steiermark (Austria).
- cottii** TOLLET, 1956: Bull. Annl. Soc. r. ent. Belg., **95**: 225 (*Rymosia*). Type-locality: "Fornet, Tremona, Canton Tichino" (Switzerland).—Distr.: Europe: CH.
- cretensis** LUNDSTRÖM, 1911: Annl. hist.-nat. Mus. natn. hung., **9**: 396 (*Rymosia*). Type-locality: "Antrum Jovis", Crete (Greece).—Distr.: Europe: D, GR (Crete); East Africa.
- exornata** SÉGUY, 1941: Revue fr. Ent., **8**: 26 (*Rymosia*). Type-locality: Toukbal, Tachdirt, Haut Atlas (Morocco).—Distr.: North Africa: Morocco.
- fasciata** (MEIGEN, 1804): Syst. Besch., **1**: 131 (*Mycetophila*). Type-locality: not given (?Germany).—Distr.: Europe: widely distributed.
- fraudatrix** DZIEDZICKI, 1910: Horae Soc. ent. ross., **39**: 97 (*Rymosia*). Type-locality: "Gräfenberg" [= Jeseník] (Czechoslovakia).—Distr.: Europe: CS.
- frenata** DZIEDZICKI, 1910: Horae Soc. ent. ross., **39**: 97 (*Rymosia*). Type-locality: "Gräfenberg" [= Jeseník] (Czechoslovakia).—Distr.: Europe: CS.
- guttata** LUNDSTRÖM, 1912: Acta Soc. Fauna Flora fenn., **36**(1): 25 (*Rymosia*). Type-locality: Pyhäjoki, Pallastunturi (Finland).—Distr.: Europe: S, SF; USSR: NET.
- laminosa** OSTROVERKHOVA, 1979: Fungus-gnats (Diptera, Mycetophiloidea) of Siberia, Tomsk, **1979**: 176 (*Rymosia*). Type-locality: Primorskiy kray, Sikhote-Alinskiy zapovednik, Chanduj (Far East, USSR).—Distr.: USSR: FE.
- latiloba** (OSTROVERKHOVA, 1974): Trudy nauchno-issled. inst. biol. biofiz. Tomsk, Univ., **3**: 36 (*Exechia*). Type-locality: Tomsk district, Kolpashevo (W Siberia, USSR).—Distr.: USSR: WS.
- lundstroemi** DZIEDZICKI, 1910: Horae Soc. ent. ross., **39**: 93 (*Rymosia*). Type-locality: "Gräfenberg" [= Jeseník] (Czechoslovakia).—Distr.: Europe: CS, F.
- maderensis** STORÅ, 1941: Ark. Zool., **33B**(6): 4 (*Rymosia*). Type-locality: Rabacal (Madeira).—Distr.: Azores, Madeira.
- matilei** BURGHELE-BALACESCO, 1972: Int. J. Speleol., **3-4**: 391 (*Rymosia*); a junior primary homonym of *Rymosia matilei* PLASSMANN, 1970. Type-locality: "Pestera Tunel (Olténie)" (Roumania).—Distr.: Europe: R.
- meniscoidea** OSTROVERKHOVA, 1974: Trudy nauchno-issled. inst. biol. biofiz. Tomsk. Univ., **3**: 35 (*Rymosia*). Type-locality: Tomsk district, Kislovski (W Siberia, USSR).—Distr.: USSR: WS.

- orientalis** LAŠTOVKA et MATILE, 1974: Acta zool. hung., **20**: 120 (*Rymosia*). Type-locality: "Chövsgöl aimak: 3 km SW von Somon Burenchaan" (Mongolia).—Distr.: Asia: Mongolia.
- pectinacea** OSTROVERKHOVA, 1979: Fungus-gnats (Diptera, Mycetophiloidea) of Siberia, Tomsk, **1979**: 178 (*Rymosia*). Type-locality: Sikhote-Alinskiy zapovednik, U-Serebrjanyj (Far East, USSR).—Distr.: USSR: FE.
- persica** MATILE, 1977: Annl. Soc. ent. Fr. (N.S.), **13**: 140 (*Rymosia*). Type-locality: Assalem forest, Guilan (Iran).—Distr.: Asia: Iran.
- pinnata** OSTROVERKHOVA, 1979: Fungus-gnats (Diptera, Mycetophiloidea) of Siberia, Tomsk, **1979**: 178 (*Rymosia*). Type-locality: Krasnojarskiy kray, Tungusko-Chunskij rayon, pos. Vanavara (E Siberia, USSR).—Distr.: USSR: ES, FE.
- placiada** WINNERTZ, 1963: Verh. zool.-bot. Ges. Wien, **13**: 817 (*Rymosia*). Type-locality: not given (?Krefeld) [D].—Distr.: Europe: A, D, F, GB, IRE, PL, SF.
- pseudocretensis** BURGHELE-BALACESCO, 1967: Int. J. Speleol., **2**: 332 (*Rymosia*). Type-locality: Ifri Maareb (Algeria).—Distr.: Europe: F; North Africa: Algeria.
- sagulata** PLASSMANN, 1976: Senckenberg. biol., **57**: 7 (*Rymosia*). Type-locality: Kaltisjokk, Messaure (Sweden).—Distr.: Europe: S.
- scopulosa** BECKER, 1908: Mitt. zool. Mus. Berl., **4**: 68 (*Rymosia*). Type-locality: Tenerife (Canary Is.).—Distr.: Canary Is.
- setiger** DZIEDZICKI, 1910: Horae Soc. ent. ross., **39**: 90 (*Rymosia*). Type-locality: "Gräfenberg" [= Jeseník] (Czechoslovakia).—Distr.: Europe: CS, D, F, GB, H, PL, SF; USSR: CET (La).
- appendiculata* LACKSCHEWITZ, 1937: Arb. NatForschVer. Riga (N.F.), **21**: 32 (*Rymosia*). Type-locality: "Lettland: Paplaka" (Latvian SSR, USSR); questionable synonymy.
- signatipes** (VAN DER WULP, 1859): Tijdschr. Ent., **2**: 179 (*Mycetophila*). Type-localities: Driesbergen, Utrecht; Brummen (Netherlands).—Distr.: Europe: A, D, NL, PL, SF; USSR: CET (By).
- truncata* WINNERTZ, 1863: Verh. zool.-bot. Ges. Wien, **13**: 815 (*Rymosia*). Type-locality: not given (?Krefeld) [D].
- spiniforceps** MATILE, 1963: Revue fr. Ent., **30**: 191 (*Rymosia*). Type-locality: Lepuix-Gy (France).—Distr.: Europe: F, S.
- spinipes** WINNERTZ, 1863: Verh. zool.-bot. Ges. Wien, **13**: 813 (*Rymosia*). Type-locality: not given (?Krefeld) [D].—Distr.: Europe: A, D, E, F, GB, PL, R; Asia: Afghanistan.
- nigrostriata* STROBL, 1895: Mitt. naturw. Ver. Steierm., **31**: 156 (*Rhymosia*, as var. of *spinipes*). Type-locality: Admont, Steiermark (Austria); questionable synonymy.
- tenuivittata** SANTOS ABREU, 1920: Mem. R. Acad. Cienc. Artes Barcelona, **16**: 110 (*Rymosia*). Type-locality: La Palma (Canary Is.).—Distr.: Canary Is.

- tiefii** STROBL, 1900: Jber. naturh. Landesmus. Kärnten, **36**: 174 (*Rymosia*). Type-locality: Kärnten (Austria).—Distr.: Europe: A.
- tolleti** BURGHELE-BALACESCO, 1965: Lucr. Inst. Speol. E. Racovita, **4**: 17 (*Rymosia*). Type-localities: Grotte des Rives, Hérault (France); Reg. Muresautonoma Maghiara, Meresti, 2 caves; Reg. Olténia, Baia de Arama, 7 caves (Roumania).—Distr.: Europe: F, R.
- tristis** MATILE, 1967: Bull. Soc. ent. Fr., **72**: 209 (*Rymosia*). Type-locality: “Pyrénées: Barrage de Castillon” (France).—Distr.: Europe: F.
- virens** DZIEDZICKI, 1910: Horae Soc. ent. ross., **39**: 94 (*Rymosia*). Type-localities: Gräfenberg [= Jeseník] (Czechoslovakia), Villach and Waldegg (Austria).—Distr.: Europe: A, CS, D, F, IRE, PL.
- winnertzi** BARENDRECHT, 1938: Tijdschr. Ent., **81**: 47 (*Rymosia*, as “new name” for *signatipes*: DZIEDZICKI, 1910, not VAN DER WULP, 1859): Type-locality: Byelorussia (USSR).—Distr.: Europe: ?A, GB, SF; USSR: CET (By).

### Tarnania TUOMIKOSKI, 1966

- TUOMIKOSKI, 1966: Anns ent. fenn., **32**: 170.  
Type-species: *Rymosia tarnanii* DZIEDZICKI, 1910: Horae Soc. ent. ross., **39**: 99 (orig. des.).
- bavaria** PLASSMANN, 1980: Spixiana, **3**: 212 (*Tarnania*). Type-locality: “Moorloch b. Oberau, Franken, Bayern” (D).—Distr.: Europe: D.
- dziedzickii** (EDWARDS, 1941): Entomologist’s mon. Mag., **77**: 78 (*Rhymosia*). Type-locality: Symonds’ Yat, Glos. (Great Britain).—Distr.: Europe: BG, D, E, F, GB, I, R, YU.
- fenestralis** (MEIGEN, 1818): Syst. Besch., **1**: 47 (*Mycetophila*). Type-locality: not given (?Germany).—Distr.: Europe: widely distributed.  
*apicalis* MEIGEN, 1838: Syst. Besch., **7**: 47 (*Mycetophila*). Type-locality: not given (?Germany).
- nemoralis** (EDWARDS, 1941): Entomologist’s mon. Mag., **77**: 78 (*Rhymosia*). Type-locality: Tiberthwaite Gill (Great Britain).—Distr.: Europe: B, CH, F, GB.
- tarnanii** (DZIEDZICKI, 1910): Horae Soc. ent. ross., **39**: 99 (*Rymosia*). Type-localities: Puławy (Poland) and “Niederoesterreich” (Austria).—Distr.: Europe: widely distributed, less in the south; USSR: NET, CET (Est, La), WS, ES, FE; Asia: Mongolia.

### Mycetophilidae dubiae

- Brachycampta ruficauda* VAN DER WULP, 1874: Tijdschr. Ent., **17**: 125. Type-locality: Haag (Netherlands).
- Cordyla crassipalpis* DUFOUR, 1839: Anns Sci. nat., **12**: 31. Type-locality: France.
- Leia consobrina* CURTIS, 1837: Brit. Ent., **1837**: 645. Type-locality: England.

- Leia diversa* WALKER, 1856: Ins. Brit., Dipt., 3: 32. Type-locality: England.—Probably a *Rondaniella*.
- Leia fumosa* WALKER, 1856: Ins. Brit., Dipt., 3: 28. Type-locality: not given "In the British Museum".
- Leia infera* WALKER, 1856: Ins. Brit., Dipt., 3: 31. Type-locality: England.
- Leia parallela* WALKER, 1856: Ins. Brit., Dipt., 3: 31. Type-locality: England.
- Mycetophila alterna* MEIGEN, 1838: Syst. Besch., 7: 46. Type-locality: not given (?Germany).—Probably a *Rymosia*.
- Mycetophila annulata* MACQUART, 1826: Mém. Soc. Sci. Agric. Lille, 1823–1824: 96. Type-locality: "Nord de la France".—Probably a *Leiini* sp.
- Mycetophila bicolor* MACQUART, 1834: Hist. nat. Ins., Dipt., 1: 131. Type-locality: "Nord de la France". Possibly a *Brevicornu* sp.
- Mycetophila borealis* WALKER, 1848: List Dipt. Ins. Brit. Mus., 1: 102. Type-locality: England.—*Allodia* genus group?
- Mycetophila brunnea* MACQUART, 1834: Hist. nat. Ins., Dipt., 1: 134. Type-locality: Pas-de-Calais (France). Possibly a *Phronia* sp.
- Mycetophila diagonalis* MEIGEN, 1818: Syst. Besch., 1: 273. Type-locality: not given ("In der Sammlung des Hrn Grafen von Hoffmannsegg").
- Mycetophila discicollis* STAEGER, 1840: Naturh. Tidsskr., 3: 255. Type-locality: Denmark.—Probably an *Allodia* sp.
- Mycetophila dispar* STANNIUS, 1831: Observ. Mycetoph., 1831: 28. Type-localities: "Hamburgi" (Germany) "et Vratislaviae" [= Wrocław] (Poland).—Possibly a *Phronia*.
- Mycetophila festiva* MEIGEN, 1838: Syst. Besch., 7: 49. Type-locality: not given (?Germany).—Probably of the *Rymosia* genus group.
- Mycetophila flaviceps* MEIGEN, 1818: Syst. Besch., 1: 270. Type-locality: not given (?Germany).—Probably a *Brevicornu* sp.
- Mycetophila fuscula* ZETTERSTEDT, 1838: Insecta Lapp.: 864. Type-locality: "Lapponia Tornensi, Juckasjervi" (Sweden).—Probably a *Brevicornu* sp.
- Mycetophila gracilis* STANNIUS, 1831: Observ. Mycetoph., 1831: 23. Type-locality: "Vratislaviae" [= Wrocław] (Poland).—*Allodia* genus group?
- Mycetophila inermis* DUFOUR, 1839: Anns Sci. nat., 12: 27. Type-locality: Les Landes (France).—*Allodia* genus group?
- Mycetophila lutea* MEIGEN, 1804: Klass. Besch., 1: 90. Type-locality: Germany (?Aachen) [D].—A *Leiini* sp.
- Mycetophila macquarti* STANNIUS, 1831: Observ. Mycetoph., 1831: 28. Type-locality: "Salzbrunn Silesiae" (?Poland). Possibly a *Phronia*.
- Mycetophila schummeli* STANNIUS, 1831: Observ. Mycetoph., 1831: 26. Type-locality: "Salzbrunn, Silesiae" (?Poland).—Placed by LANDROCK (1927, in LINDNER) in *Exechia* but seems not to belong there.
- Mycetophila taeniata* MEIGEN, 1838: Syst. Besch., 7: 46. Type-locality: not given (?Germany).—*Rymosia* sp.?
- Sciophila aliena* WALKER, 1856: Ins. Brit., Dipt., 3: 43. Type-locality: England (Great Britain).—Probable a synonym of *Ectrepesthoneura hirta* (WINNERTZ, 1846).

### The doubtful synonymies, still left in the text of the list

- Brachypeza hilaris* WINNERTZ, 1863: Verh. zool.-bot. Ges. Wien, 13: 809. Type-locality: not given ("In der Sammlung von Herrn Baron von Osten-Sacken"). (?Leningrad district) (USSR).—Probably a synonym of *Brachypeza bisignata* WINNERTZ, 1863.
- Exechia pseudocontaminata* var. *rubella* SANTOS ABREU, 1920: Mems R. Acad. Cienc. Artes Barcelona, 16: 77. Type-locality: La Palma (Canary Is.).—Probably as described, a form of *E. pseudocontaminata* SANTOS ABREU, 1920.
- Leia puerariae* SHINJI, 1938: Insect Wild, 42: 305. Type-locality: Morioca, Honshu (Japan).—Probably a synonym of *Leia fascipennis* MEIGEN, 1818.

- Mycetophila analis* MEIGEN, 1818: Syst. Besch., 1: 269. Type-locality: not given (Germany).—Probably a synonym of *Allodia lugens* WIEDEMANN, 1817.
- Mycetophila tarsata* STAEGER, 1840: Naturh. Tidsskr., 3: 264. Type-locality: not given (Denmark).—Probably a synonym of *Phronia bicolor* DZIEDZICKI, 1889.
- Mycetophila trimaculata* MACQUART, 1834: Hist. nat. Ins., Dipt., 1: 132. Type-locality: France.—Probably a synonym of *Leia picta* MEIGEN, 1830.
- Phronia crassipes* WINNERTZ, 1863: Verh. zool.-bot. Ges. Wien, 13: 877. Type-locality: not given (?Krefeld) [D].—Probably a synonym of *Phronia bicolor* DZIEDZICKI, 1889.
- Rymosia spinipes* var. *nigrostriata* STROBL, 1895: Mitt. naturw. Ver. Steierm., 31: 156. Type-locality: Admont, Steiermark (Austria).—Probably as described, a form of *Rymosia spinipes* WINNERTZ, 1863.

## Bibliography

**Ackland, D. M.** (See HUTSON, A. M., ACKLAND, D. M. and KIDD, L. N.)

**Ackland, D. M.** (See KIDD, L. N. and ACKLAND, D. M.)

**Akiyama, J.** (See BULLOCK, H. R. and AKIYAMA, J.)

**Aldabergenov, N. K.** (See SMATOV, Z. S. and ALDABERGENOV, N. K.)

**Aldrich, J. M.**

- 1897 A collection of Diptera from Indiana caves. In BLATCHLEY, W. S.: The fauna of Indiana caves. *Ann. Rpt. Ind. Dept. Geol. Nat. Resources*, **21**(1896): 175-212.

**Alexander, Ch. P.**

- 1924 Undescribed species of Nematocera from Japan. *Insector Inscit. menstr.*, **12**(4-6): 49-55.
- 1924 Undescribed species of nematoceros Diptera from North America and Japan. *Insector Inscit. Menstr.*, **12**: 81-84.
- 1931 A new genus and species of bionid Diptera. *Bull. Brooklyn ent. Soc.*, **26**: 7-11.
- 1965 Family Pachyneuridae. In STONE, A. et al. (eds): *A catalog of the Diptera of America north of Mexico*. Washington: 196.

**Alexander, Ch. P. and Alexander, M. M.**

- 1973 Family Pachyneuridae. In DELFINADO, M. D. and HARDY, D. E.: *A catalog of the Diptera of the Oriental Region. I. Suborder Nematocera*, Honolulu, **1**: 1-443.

**Amossova, I. S.**

- 1957 Some new or little known Culicoides Latr. from Ussuri Land. *Ent. Obozr.*, **36**(1): 233-247 (In Russian).

**Andersson, H.**

- 1977 Fynd av mätarmyggor i Sverige (Dipt., Thaumaleidae). *Ent. Tidskr.*, **98**: 77-78.

**Arakawa, S.**

- 1910 Note on new injurious insect, big nukaka (*Ceratopogon arakanae* Mats.). *Insect Wld*, **14**(156): 411-414 (In Japanese).

**Arnaud, P.**

- 1956 The heleid genus *Culicoides* in Japan, Korea and Ryukyu Islands. *Microentomology*, **21**(3): 84-156.
- 1956 *Culicoides goetghebueri* nomen novum for *Culicoides setiger* Goetghebuer. *Proc. ent. Soc. Wash.*, **58**(2): 94.

**Arnaud, P. and Hoyt, Ch. P.**

- 1956 Description of a new species of *Diadocidia* from California (Diptera: Mycetophilidae). *Pan-Pacif. Ent.*, **32**(12): 87-90.



**Arnaud, P. and Wirth, W. W.**

- 1964 A name list of world Culicoides, 1956–1962. *Proc. ent. Soc. Wash.*, **66**(1): 19–32.

**Arnold, M. and Jarry, D.**

- 1956 Une espèce nouvelle de cératopogonide: *Forcipomyia hutтели* n. sp. *Bull. Soc. ent. Fr.*, **61**(5/6): 136–139.

**Asahina, S. (See OKA, H. and ASAHINA, S.)****Atajev, K.**

- 1976 Новый вид кровососущего мокреца рода *Culicoides* из Туркменистана. *Izv. Akad. Nauk. turkmen. SSR., biol.*, **1976**(3): 79–81.

**Austen, E. E.**

- 1912 Notes on African blood-sucking midges, with descriptions of new species. *Bull. ent. Res.*, **3**(1): 99–108.
- 1921 A contribution to knowledge of blood-sucking Diptera of Palestine, other than Tabanidae. *Bull. ent. Res.*, **12**: 107–124.
- 1923 New and little-known Mesopotamian blood-sucking Diptera (Families Simuliidae and Tabanidae). *Bull. ent. Res.*, **13**(3): 275–290.
- 1925 A contribution to knowledge of the blood-sucking Diptera of the Dardanelles. *Bull. ent. Res.*, **16**(1): 1–23.

**Bach, A. (See CALLOT, J., KREMER, M., MOLET, B. and BACH, A.)****Bach, A. (See CALLOT, J., KREMER, M., RAULT, B. and BACH, A.)****Bailly-Choumara, H. (See BEAUCOURNU-SAGUEZ, F. and BAILLY-CHOUMARA, H.)****Bailly-Choumara, H. (See BERNARD, R.-M., GRENIER, P. and BAILLY-CHOUMARA, H.)****Bailly-Choumara, H. (See CALLOT, J., KREMER, M. and BAILLY-CHOUMARA, H.)****Bailly-Choumara, H. (See GRENIER, P. and BAILLY-CHOUMARA, H.)****Bailly-Choumara, H. (See KREMER, M., DELECOLLE, J.-C., BAILLY-CHOUMARA, H. and CHAKER, E.)****Bailly-Choumara, H. (See KREMER, M., HOMMEL, H. and BAILLY-CHOUMARA, H.)****Bailly-Choumara, H. (See KREMER, M., REBHOLTZ-HIRTZEL, C. and BAILLY-CHOUMARA, H.)****Baker, C. F.**

- 1904 Diptera. Reports on Californian and Nevadan Diptera, I. *Invertebr. Pacifica*, **1**: 17–39.

**Bangerter, H.**

- 1933 Mücken-Metamorphosen V. *Konowia*, **12**(3/4): 248–259.

**Baranov, N.**

- 1924 Die "Kolumbaczer Fliege" (*Simulium columbaschense* sensu latiore). *Glasn. Minist. poljopr. Voda*, **2**(7): 55–68.
- 1925 Neue Diptera aus Serbien. *Agric. exp. Sta. Belgrado*, **1**: 1–11.
- 1926 Eine neue Simuliiden-Art und einige Bemerkungen über das System der Simuliiden. *Neue Beitr. syst. Insektenk.*, **3**(15–16): 161–164.
- 1926 Über die serbischen Simuliiden. *Neue Beitr. syst. Insektenk.*, **3**(19–20): 183–194.

- 1935 Neues über die Kolumbatscher-Mücke (*Simulium columbacense*). *Arb. morph. taxon. Ent. Berl.*, **2**(3): 156–158.
- 1937 Betrachtungen über die Epidemiologie der Kolumbatscher-Mücke im Jahre 1936. *Vet. Arh. Zagreb*, **7**(5): 229–276.
- 1937 Die Kolumbatscher Mücke in Jugoslawien im Jahre 1937. *Arch. wiss. prakt. Tierheilk.*, **72**: 158–164.
- 1938 Betrachtungen über die Kolumbatscher Mücke und ihre Synbiocoenoten. *Vet. Arh. Zagreb*, **8**: 313–328.
- 1939 K poznavanju golubacke musice, VII. *Vet. Arh. Zagreb*, **9**(3): 105–125.
- 1939 *Odagmia ornata barensis* subsp. nova i njen parazit *Megaselia brevisima* Schmitz. *Vet. Arh. Zagreb*, **9**(11): 599–601.
- Barendrecht, G.**
- 1938 The Dutch Fungivoridae in the collection of the Zoological Museum at Amsterdam. *Tijdschr. Ent.*, **81**: 35–54.
- Bass, J. A. B.** (See LADLE, M. and BASS, J. A. B.)
- Basset, M.** (See CALLOT, J., KREMER, M. and BASSET, M.)
- Beaucournu-Saguez, F. and Bailly-Choumara, H.**
- 1981 *Prosimulium* (*Prosimulium*) *laamii* n. sp. (Nematocera, Simuliidae), similie nouvelle du nord du Maroc. *Ent. med. Parasitol.*, **19**(2): 113–119.
- Beaucournu-Saguez, F. and Braverman, Y.**
- 1976 A new blackfly *Simulium* (*Wilhelmia*) *golani* n. sp. (Diptera, Simuliidae) from the Eastern Mediterranean Basin. *Bull. Soc. Path. exot.*, **69**(3): 272–278.
- Beaucournu-Saguez, F.** (See KREMER, M., LEBERRE, G. and BEAUCOURNU-SAGUEZ, F.)
- Becher, E.**
- 1885 A new species of *Simulium* from Assam. *J. Asiat. Soc. Beng.*, **53**: 199–200.
- 1886 Die internationale Polarforschung 1882–1883. Die Oesterreichische Polarstation Jan Mayen ausgerüstet durch seine Excellenz Graf Hans Wilczek geleitet vom K. K. Corvetten-Capitän Emil Edlen von Wohlgemuth. F. Insecten von Jan Mayen. Gesammelt von Dr. F. Fischer, Arzt der österreichischen Expedition auf Jan Mayen. *Beob.-Ergebn. Int. Polarforsch.*, **3**: 59–66.
- Becker, Th.**
- 1903 Aegyptische Dipteren. *Mitt. zool. Mus. Berlin*, **2**(3): 67–195.
- 1906 Die Ergebnisse meiner dipterologischen Frühjahrsreise nach Algier und Tunis, 1906. *Z. syst. Hymenopt. Dipterol.*, **6**: 273–287, 353–367.
- 1907 Die Ergebnisse meiner dipterologischen Frühjahrsreise nach Algier und Tunis, 1906. *Z. syst. Hymenopt. Dipterol.*, **7**: 33–61, 97–128, 225–256, 369–407, 454.
- 1908 Dipteren der Kanarischen Inseln. *Mitt. zool. Mus. Berl.*, **4**(1): 1–180.

**Becker, Th., Dziedzicki, H., Schnabl, J. and Villeneuve, J.**

- 1915 Résultats scientifiques de l'Expédition des frères Kusnecov (Kouznetzov) à l'Oural arctique en 1909, sous la direction de H. Backlund. Livr. 7 (Diptera). *Zap. imp. Akad. Nauk (VIII) cl. phys.-math.*, **28**(7): 1-67.

**Bellardi, L.**

- 1862 Saggio di Dipterologia messicana, **2**: 6.

**Beltukova, K. N.**

- 1955 On studying of blood-sucking black flies (Simuliidae) from Molotov District. 1. Fauna and ecology of black flies from Kishertskiy Rayon, and methods of their control. Ученые записки Молотовского Гос. Унив., **7**(3): 23-43 (In Russian).

**Bentinck, W.**

- 1955 The black flies of Japan and Korea. *406 Med. Gen. Lab.*: 1-23.

**Berendt, G. C.** (See GOEPPERT, H. R. and BERENDT, G. C.)

**Bernard, M.-R., Grenier, P. and Bailly-Choumara, H.**

- 1972 Description de *Prosimulium* (*Prosimulium*) *faurei* sp. n. (Diptera, Simuliidae). *Cah. ORSTOM, ser. Ent. Med. Parasit.*, **10**(1): 63-68.

**Bertrand, H.**

- 1947 Note sur la capture d'un Diptère nouveau pour la faune française. *Bull. Soc. ent. Fr.*, **52**: 165-168.

**Bertrand, H.** (See GRENIER, P. and BERTRAND, H.)

**Bezzi, M.**

- 1892 Contribuzione alla fauna Ditterologica della provincia di Pavia. Parte secunde. *Bull. Soc. ent. ital.*, **24**: 64-87, 97-151.  
 1906 Ditteri eritrei raccolti dal Dott. Andreini e dal Prof. Tellini. Parte prima. *Bull. Soc. ent. ital.*, **37**(1905): 195-304.  
 1913 Taumaleidi (Orfnefilidi) italiani con descrizione di nuove specie. *Boll. Lab. Zool. gen. agr. Portici*, **7**: 227-266.

**Blanchard, E.**

- 1849 Diptera. In AUDOUIN V., BLANCHARD, V. and MILNE EDWARDS, H.: *Les Insectes*, Paris. Atlas, pls 160-182.

**Blanton, F. S.** (See WIRTH, W. W. and BLANTON, F. S.)

**Blanton, F. S.** (See WIRTH, W. W., RATANAWORABHAN, N. C. and BLANTON, F. S.)

**Bobrova, S. I.**

- 1967 A new species of black flies from the genus *Gymnopais* (Diptera, Simuliidae) from Altai. *Ent. Obozr.*, **46**(4): 884-886 (In Russian).  
 1980 A new species of black flies from the genus *Metacnephia* Crosskey (Diptera, Simuliidae). Систематика и экология животных: 146-148 (In Russian).

**Bodrova, Yu. D.**

- 1975 A new species of black flies (Diptera, Simuliidae) from the Maritime Territory. *Ent. Obozr.*, **54**(2): 429-431 (In Russian).

- 1981 A new species of black flies (Diptera, Simuliidae) from the Maritime Territory. Беспозвоночные животные в экосистемах лососевых рек Дальнего Востока: 114–116 (In Russian).
- Boheman, C. H.**  
1866 Spetsbergens Insekt-Fauna. *Öfvers K. svenska VetenskAkad. Föhr.*, **22**(1865): 563–577.
- Boldarueva, L. V.**  
1979 A new species of black fly (Diptera, Simuliidae) from Buryatia. *Trudy vses. ent. Obshch.*, **61**: 179–181 (In Russian).  
1979 A new species of black fly from the genus *Simulium* Latr. (Diptera, (Simuliidae) from Buryatia. Новые и малоизвестные виды фауны Сибири [New and little known species of the fauna of Siberia]: 44–45 (In Russian).
- Boorman, J.**  
1974 Culicoides from Cyprus. *Cah. ORSTOM, ser. Ent. Med. Parasit.*, **12**(1): 7–13.  
1974 Notes on some Culicoides collected by Austen and Khalaf. *Annl's Parasit. hum. comp.*, **49**(5): 615.  
1976 Culicoides from Southern England: new records, a new species and notes on two species of doubtful British status. *Entomologist's Gaz.*, **27**(2): 99–104.
- Bosc, L. A. G.**  
1792 Keroplatus. *Acta Soc. Hist. nat. Paris*, **1**: 42–43.
- Bouché, P.**  
1834 *Naturgeschichte der Insekten, besonders in Hinsicht ihrer ersten Zustände als Larven und Puppen*. Berlin, **1**: VI + 1–216.
- Brauer, F.**  
1883 Die Zweiflügler des Kaiserlichen Museums zu Wien, 3. *Denkschr. Akad. Wiss. Wien, Kl. math.-naturw.*, **47**: 1–100.
- Braverman, Y.** (See BEAUCOURNU-SAGUEZ, F. and BRAVERMAN, Y.)  
**Braverman, Y.** (See KREMER, M., BRAVERMAN, Y. and DELECOLLE, J.-C.)
- Brême, F.**  
1842 In KÖLLIKER: *Observationes de prima insectorum genesi*. Diss. Inaug. Turici, **4**: 1–31.
- Brèthes, J.**  
1914 Description de six Cecidomyidae de Buenos Aires. *An. Mus. soc. Hist. nat. B. Aires*, **26**: 151–156.
- Brunetti, E.**  
1911 New Oriental Nematocera. *Rec. Indian Mus.*, **4**: 283–288.  
1912 Diptera Nematocera (excluding Chironomidae and Culicidae). In BLANDFORD, W. T. (ed.): *Fauna of British India*, London, **1**: 1–581.  
1917 Diptera of the Simla District. *Rec. Indian Mus.*, **13**: 59–101.
- Bukowski, W.**  
1934 Neue und abweichende Formen von Pilzmücken (Diptera, Fun-givoridae) aus der Krim. *Konowia*, **13**: 184–192.

- 1949 Новые виды грибных комаров (Dipteria, Fungivoridae) из Крыма. *Ent. Obozr.*, **30**: 405–409.
- Bullock, H. R. and Akiyama, J.**  
1959 A new biting midge from Japan and Korea. *Jap. J. sanit. Zool.*, **10**(1): 23–26.
- Burghele, A. (OF BURGHELE-BALACESCO, A.)**  
1965 Revision des Mycetophilidae (Diptères) cavernicoles de la collection biospeologica (1–3<sup>e</sup> série des “grottes visitées”). *Annl. Spéléol.*, **20**: 151–155.  
1965 Specii noi de Mycetophilidae cavernicole din Romania. *Lucr. Inst. Speol. “E. Racovita”*, **4**: 171–179.  
1966 Diptères cavernicoles recueillis en Bulgarie. *Int. J. Speleol.*, **2**: 303–308.  
1966 Les Mycetophilidae (Dipteres) cavernicoles de la collection Biospeologica (IV<sup>e</sup>–VIII<sup>e</sup> séries des “Grottes visitées”). *Int. J. Speleol.*, **2**: 319–334.  
1972 Contribution à l'étude de Mycetophilidae des grottes de Roumanie avec la description de deux espèces nouvelles. *Int. J. Speleol.*, **3–4**: 387–395.
- Burghele-Balacesco, A. (See MATILE, L. and BURGHELE-BALACESCO, A.)**
- Buyanova, O. F.**  
1962 Описание нового вида мокрецов *Lasiohelea sibirica* sp. nov., обнаруженного в Красноярском крае. *Medskaya Parazit.*, **31**(1): 43–47.
- Bystrak, P. G. and Wirth, W. W.**  
1978 The North American species of *Forcipomyia*, subgenus *Euprojoannisia*. *Techn. Bull. U.S. Dep. Agric.*, **1591**: 1–51.
- Callot, J. and Kremer, M.**  
1961 Scission de l'espèce *Culicoides truncorum* Edwards on deux espèces. *Bull. Soc. Path. exot.*, **54**(2): 389–398.  
1961 *Culicoides riouxi* et *Culicoides pseudoheliophilus* sp. n., espèce nouvelles du groupe des *Culicoides* à ailes sans taches. *Annl. Parasit. hum. comp.*, **36**(4): 677–688.  
1965 Sur quelques Diptères Nématocères du Var, avec la description d'espèces nouvelles de *Culicoides*. *Annl. Parasit. hum. comp.*, **40**(3): 329–339.  
1966 *Culicoides heteroclitus* n. sp. *Proc. I Int. Congr. Parasit.*: 941–942.  
1969 Description de *Culicoides dobyi* n. sp. *Bull. Soc. Path. exot.*, **62**(3): 610–613.  
1970 Description d'un *Culicoides* nouveau *C. jumeri* trouvé en Tunisie. *Bull. Soc. Path. exot.*, **62**(6): 1112–1118.
- Callot, J., Kremer, M. and Bailly-Choumara, H.**  
1970 Description de *Culicoides coluzzii* n. sp. *Bull. Soc. zool. Fr.*, **95**(4): 709–718.
- Callot, J., Kremer, M. and Basset, M.**  
1968 *Culicoides marcleti* n. sp. et nouvelles localisations de *Culicoides* de la région méditerranéenne et particulièrement d'Algérie. *Bull. Soc. Path. exot.*, **61**(2): 271–282.

**Callot, J., Kremer, M. and Deduit, J.**

- 1962 Nouvelles espèces et nouvelles localisations de Culicoides des Ardennes, du centre de la France, du Jura Français et du Jura Suisse. *Annls Parasit. hum. comp.*, **37**(1/2): 153–171.

**Callot, J., Kremer, M., Molet, B. and Bach, A.**

- 1968 Nouvelles espèces, nouvelles localisations de Culicoides des Midi de la France. *Annls Parasit. hum. comp.*, **43**(1): 93–104.

**Callot, J., Kremer, M. and Paradis, C.**

- 1962 Culicoides furcillatus n. sp. et Culicoides setosus Gutsevich, Diptères Ceratopogonides nouveaux pour la France. *Bull. Soc. Path. exot.*, **55**(5): 771–776.

**Callot, J., Kremer, M., Rault, B. and Bach, A.**

- 1966 Contribution à l'étude des Culicoides de l'Ouest de la France. *Annls Parasit. hum. comp.*, **41**(5): 513–521.

**Callot, J., Kremer, M. and Rioux, J.-A.**

- 1963 Sur des Culicoides dont une espèce et une variété nouvelles du midi de la France. *Annls Parasit. hum. comp.*, **38**(1): 121–129.

**Callot, J., Kremer, M., Rioux, J.-A. and Descous, S.**

- 1967 Culicoides des Pyrénées Orientales. Description de *C. caucoliberensis* n. sp. *Bull. Soc. zool. Fr.*, **92**(4): 827–832.

**Cambournac, F. J. C.**

- 1956 Culicoides sua ocorrência em Portugal. Descrição de *C. sintrensis* sp. n. *Anais Inst. Med. trop., Lisb.*, **13**(4): 585–595.
- 1970 Lista das espécies do género Culicoides encontradas em Portugal. *Anais Esc. nac. Saúde publ. e Med. trop.*, **4**(1–4): 249–250.
- 1970 Culicoides almeidae sp. n., uma nova espécie encontrada em Portugal. *Anais Esc. nac. Saúde publ. e Med. trop.*, **4**(1–4): 251–257.

**Campell, J. A. and Pelham-Clinton, E. C.**

- 1960 A taxonomic review of the British species of Culicoides Latreille. *Proc. R. Soc. Edinb. (B)*, **67**(3): 181–302.

**Cardinali, R. (See RIVOSECCHI, L. and CARDINALI, R.)****Carlsson, G.**

- 1962 Studies on Scandinavian black flies (fam. Simuliidae Latr.). *Opusc. ent., Suppl.*, **21**: 1–279.
- 1963 Black flies (Simuliidae) from Madeira and the Azores. *Bolm Mus. munic. Funchal*, **17**: 85–94.

**Carlsson, G. (See RUBZOV, I. A. and CARLSSON, G.)****Carter, H. F.**

- 1916 On three new African midges. *Ann. trop. Med. Parasit.*, **10**(1): 131–138.
- 1921 A revision of the genus *Leptoconops* Skuse. *Bull. ent. Res.*, **12**(1): 1–28.

**Carter, H. F., Ingram, A. and Macfie, J. W. S.**

- 1920– Observations on the Ceratopogonine midges of the Gold Coast with

- 1921 description of new species. Part I-II. *Ann. trop. Med. Parasit.*, **14**(2): 187-274; Part III; **14**(3): 309-331; Part IV; **15**(3): 177-212.
- Caspers, N.**  
1980 Drei neue Mycetophiliden aus der deutschen Mittelgebirgsregion (Diptera, Nematocera). *Spixiana*, **3**(2): 141-145.
- Cavalieri, F.** (See WIRTH, W. W. and CAVALIERI, F.)
- Cellier, M.** (See HARANT, H. and CELLIER, M.)
- Chaker, E.** (See KREMER, M., CHAKER, E. and DELECOLLE, J.-C.)
- Chaker, E.** (See KREMER, M., DELECOLLE, J.-C., BAILLY-CHOUMARA, H. and CHAKER, E.)
- Chaker, E., Delecolle, J.-C. and Kremer, M.**  
1980 Variabilité des caractères morphologiques de *Culicoides circumscriptus* Kieffer, 1918. Mise en synonymie de *C. kirovabadicus* Dzshafarov, 1964. *Archs Inst. Pasteur Tunis*, **57**(1-2): 33-40.
- Chan, K. L. and LeRoux, E. J.**  
1970 New species of *Forcipomyia* described in all stages. *Can. Ent.*, **102**(3): 271-293.
- Chandler, P. J.**  
1975 *Brevicornu serenum* (Winnertz, 1863) (Diptera, Mycetophilidae) new to the British Isles, from Pett's Wood in south-east London. *Proc. Br. ent. nat. Hist. Soc.*, **1975**: 5-7.  
1976 A preliminary list of the fungus-gnats (Diptera, Mycetophilidae) of Ireland. *Proc. R. Ir. Acad.*, **76**(B): 87-108.  
1977 Studies of some fungus-gnats (Diptera: Mycetophilidae) including nine additions to the British list. *Syst. Ent.*, **2**: 67-93.  
1977 Notes on British fungus-gnats of the subfamilies Ditomyiinae, Bolitophiliinae, Manotinae and Keroplatinae (Dipt., Mycetophilidae). *Entomologist's mon. Mag.*, **113**: 31-44.  
1977 Some fungus-gnats of the tribe Exechiini (Dipt., Mycetophilidae) new to the British Isles. *Proc. Br. ent. nat. Hist. Soc.*, **1977**: 71-85.  
1978 Notes on the Holarctic species of *Pseudexechia* Tuomikoski (Diptera, Mycetophilidae), with the description of a new British species. *Entomologist's Rec.*, **90**: 44-51.  
1980 The European and Eastern Nearctic fungus-gnats in the genus *Ectrepesthoneura* (Mycetophilidae). *Syst. Ent.*, **5**: 27-41.
- Chanthawanich, N. and Delfinado, M. D.**  
1967 Some species of *Leptoconops* of the Oriental and Pacific regions. *J. med. Entomol.*, **4**(3): 294-303.
- Chateau, R.** (See CORNET, M. and CHATEAU, R.)
- Chow, P.** (See TAN, C. and CHOW, P.)
- Chu, F. J.**  
1977 New species and records of *Culicoides* from Tibet, China. *Acta ent. sin.*, **20**(1): 95-105 (In Chinese).

**Chubareva, L. A.**

- 1978 Karyotypical peculiarities of the genus *Prosimulium* Roubaud (Simuliidae) and problems of taxonomy. *Parazitologiya*, **12**(1): 37–43 (In Russian).

**Chubareva, L. A. and Petrova, N. A.**

- 1981 A new genus of black flies (Diptera, Simuliidae) from Tajikistan. *Ent. Obozr.*, **60**(4): 898–900 (In Russian).

**Clastrier, J.**

- 1956 Notes sur les Cératopogonidés. I. Quatre espèces du groupe *Forcipomyia* d'Algérie et Tunisie. *Archs Inst. Pasteur Algér.*, **34**(4): 496–512.
- 1957 Notes sur les Cératopogonidés. II. Quelques Culicoides d'Algérie à ailes tachetées. *Archs Inst. Pasteur Algér.*, **35**(4): 404–440.
- 1958 Notes sur les Cératopogonidés. III. *Culicoides semimaculatus* n. sp. d'Algérie. *Archs Inst. Pasteur Algér.*, **36**(1): 55–60.
- 1958 Notes sur les Cératopogonidés. IV. Cératopogonidés d'Afrique Occidentale Française. *Archs Inst. Pasteur Algér.*, **36**(2): 192–258.
- 1961 Notes sur les Cératopogonidés. XV. *Ceratopogon* et *Alluaudomyia* de la région paléarctique. *Archs Inst. Pasteur Algér.*, **39**(4): 401–437.
- 1962 Notes sur les Cératopogonidés. XVI. Espèces du genre *Bezzia* Kieffer ou apparentées de la région paléarctique. *Archs Inst. Pasteur Algér.*, **40**(1): 53–125.
- 1962 Notes sur les Cératopogonidés. XVII. Nouveaux *Palpomyia* Meig. et *Johannsenomyia* Mall. *Archs Inst. Pasteur Algér.*, **40**(2–3): 225–288.
- 1963 Notes sur les Cératopogonidés. XVIII. Espèces du genre *Stilobezzia* Kieffer ou apparentées de la région paléarctique. *Archs Inst. Pasteur Algér.*, **41**(1–2): 41–68.
- 1966 Cératopogonidés des Iles Canaries. *Ann. Soc. ent. Fr.*, **2**(3): 693–710.
- 1973 Le genre *Leptoconops*, sous-genre *Holoconops* dans le Midi de la France. *Annl. Soc. ent. Fr. (N. S.)*, **9**(4): 895–920.
- 1974 *Leptoconops* (*Proleptoconops*) *hutsoni* n. sg., n. sp. du Sahara algérien septentrional. *Parassitologia*, **16**(2–3): 231–238.
- 1975 Description de quelques mâles d'*Holoconops*. *Annl. Soc. ent. Fr. (N. S.)*, **11**(3): 587–607.
- 1975 Le genre *Leptoconops*, sous-genre *Holoconops* en Afrique du Nord. *Archs Inst. Pasteur Algér.*, **50–51**: 23–52.
- 1978 Deux nouveaux *Alluaudomyia* de la faune française. *Entomologiste*, **34**(1): 25–31.

**Clastrier, J. and Coluzzi, M.**

- 1973 *Leptoconops* (*Leptoconops*) *bezzii* (Noè, 1905) et *Leptoconops* (*Leptoconops*) *noei* n. sp. *Parassitologia*, **15**(1–2): 47–77.

**Clastrier, J., Rioux, J.-A. and Descous, S.**

- 1961 Notes sur les Cératopogonidés. XII. Cératopogonidés du Nord-Tchad. *Archs Inst. Pasteur Algér.*, **39**(1): 49–98.



**Clastrier, J. and Wirth, W. W.**

- 1961 Notes sur les Cératopogonidés. XIII. Cératopogonidés de la région éthiopienne. *Archs Inst. Pasteur Algér.*, **39**(2): 190–240.

**Coher, E. I.**

- 1959 A synopsis of American Mycomyiini with descriptions of new species (Diptera, Mycetophilidae). *Entomologica am.*, **37**: 1–155.
- 1963 Asian Macroceras Meigen, 1803 (Diptera: Mycetophilidae) with some remarks on the status genus and related genera. *Bull. Brooklyn ent. Soc.*, **58**: 23–36.

**Collart, A.**

- 1945 Les Thaumaleidae de Belgique (Diptera Nematocera). *Bull. Mus. r. Hist. nat. Belg.*, **21**(5): 1–8.
- 1950 Notules diptérologiques II. *Bull. Inst. r. Sci. nat. Belg.*, **26**(46): 1–8.
- 1950 Un Thaumaleidae (Diptera) nouveau pour la fauna française. *Bull. Annl. Soc. r. ent. Belg.*, **86**: 63–64.
- 1956 Un Ceratopogonidae nouveau pour la Belgique. *Bull. Annl. Soc. r. ent. Belg.*, **92**(3/4): 56–57.

**Colless, D. H. and Liepa, Z.**

- 1973 Family Mycetophilidae. In DELFINADO, M. D. and HARDY, D. E. (eds): *A Catalog of the Diptera of the Oriental Region, I. Suborder Nematocera*, Honolulu, **1**: 444–463.

**Coluzzi, M. (See CLASTRIER, J. and COLUZZI, M.)****Coluzzi, M. (See KREMER, M. and COLUZZI, M.)****Contini, C.**

- 1963 Nuove reperti e note ecologiche di alcunti Simulide della Sardegna e descrizione di Urosimulium stefanii n. gen, n. sp. *Memorie Soc. ent. ital.*, **42**: 87–97.
- 1965 Descrizione e cenni biologici su una nuova specie di Simulide del gruppo "latipes" della Sardegna: Eusimulium rivosecchii n. sp. (Diptera, Nematocera). *Riv. Parassit.*, **26**(4): 277–289.
- 1966 Urosimulium juccii n. sp. (Diptera, Simuliidae), nuova specie di Simulide della Sardegna. *Riv. Parassit.*, **27**(4): 269–291.

**Contini, C. (See RIVOSECCHI, L. and CONTINI, C.)****Contini, C. (See RIVOSECCHI, L., RAASTAD, J. E. and CONTINI, C.)****Coquillett, D. W.**

- 1895 New North American Mycetophilidae. *Can. Ent.*, **27**(8): 199–201.
- 1898 The buffalo-gnats, or black-flies of the United States. *Bull. U.S. Dep. Agric. Div. ent.*, **10**: 66–69.
- 1899 Order Diptera. In JORDAN, D. S.: *The fur seals and fur-seal islands of the North Pacific Ocean*, **4**(1898): 341–346.
- 1901 New Diptera in the U.S. National Museum. *Proc. U.S. natn. Mus.*, **23**: 593–618.
- 1902 New Diptera from North America. *Proc. U.S. natn. Mus.*, **25**: 83–126.

- 1905 New nematocerous Diptera from North America. *Jl N. Y. ent. Soc.*, **13**: 56–69.
- 1910 The type-species of the North American genera of Diptera. *Proc. U.S. natn. Mus.*, **37**: 499–647.
- Cornet, M. and Chateau, R.**
- 1971 Les Culicoides de l'ouest africain (2<sup>e</sup> note). Espèces apparentées à *C. similis* Carter, Ingram et Macfie, 1920. *Cah. ORSTOM, ser. Ent. Med. Parasit.*, **8**(2): 141–173.
- Corti, E.**
- 1914 Le Simulie italiane, nota prima. *Atti Soc. ital. Sci. nat., Milano*, **53**: 192–206.
- 1916 Le Simulie italiane. *Atti. Soc. ital. Sci. nat., Milano*, **54**: 223–236.
- Costa, A.**
- 1857 Contribuzione alla fauna ditteologica Italiana. *Giambatt. Vico, Gior. Sci. Napoli*, **2**: 438–460.
- Costa, O. G.**
- 1835 Descrizione di una novella species del genera *Ceroplatus* ed enumerazione de'Ditteri raccolti ne' viaggi del 1834 e 35 (I) (1835). *Atti Accad. Sci. fis. mat., Napoli*, **5**(2) (1843): 109–114.
- Couvert, L.**
- 1967 Studi sui Simuliidi, I: *Tetisimulium graium* n. sp. *Bull. Soc. ent. ital.*, **97**(3–4): 39–49.
- 1968 Studi sui Simuliidi, II: *Obuchovia seguisina* n. sp. (Diptera, Simuliidae). *Bull. Soc. ent. ital.*, **98**(7–8): 85–92.
- Cpher, E. I.**
- 1950 Correction: a new genus of fungus-gnats (Diptera: Mycetophilidae). *Revue Ent.*, **21**: 114.
- Crosskey, R. W.**
- 1964 Subgeneric assignment and synonymy of some southern Palaearctic species of *Simulium* (Diptera, Simuliidae). *Ann. Mag. nat. Hist.*, (13) **7**: 665–672.
- 1967 A preliminary revision of black-flies (Diptera, Simuliidae) of the Middle East. *Trans. R. ent. Soc. Lond.*, **119**: 1–45.
- 1969 A re-classification of the Simuliidae (Diptera) of Africa and its islands. *Bull. Br. Mus. nat. Hist. (B)*, **14**: 1–195.
- 1970 The identity and provenance of the black fly *Nevermannia brunettii* Enderlein (Dipt., Simuliidae). *Entomologist's mon. Mag.*, **106**: 30–31.
- 1981 The identity and synonymy of *Simulium* (*Wilhelmia*) *pseudequinum* Séguy and the occurrence of this species in England (Diptera, Simuliidae). *Entomologist's Gaz.*, **32**: 137–148.
- Crosskey, R. W.** (See ZWICK, H. and CROSSKEY, R. W.)
- Crosskey, R. W. and Davies, L.**

- 1972 The identities of *Simulium lineatum* (Meigen), *S. latipes* (Meigen) and *S. vernum* Macquart (Diptera, Simuliidae). *Entomologist's Gaz.*, **23**: 249-258.
- Crosskey, R. W. and Peterson, B. V.**  
1972 The Simuliidae described by N. Baranov and their types (Diptera). *Bull. Br. Mus. nat. Hist. (B)*, **27**(3): 187-214.
- Curtis, J.**  
1829 *British entomology. Being illustrations and descriptions of the genera of insects found in Great Britain and Ireland.* London, **6**: pls. 242-289.  
1831 *British entomology.* London, **8**: pls. 338-383.  
1836 *British entomology.* London, **13**: pls. 578-625.  
1837 *British entomology.* London, **14**: pls. 626-674.  
1839 *British entomology.* London, **16**: pls. 722-769.
- Czerny, L. and Strobl, G. P.**  
1909 Spanische Dipteren. III. Beitrag. *Verh. zool.-bot. Ges. Wien*, **59**: 121-301.
- Dalman, J. W.**  
1818 Nagra nya Genera och Species af Insekter. *Acad. Handl.*, **39**: 69-89.  
1823 *Analecta Entomologica.* Holmiae: 1-99.
- Damian-Georgescu, A.**  
1972 Nouvelles espèces de Ceratopogonidae. *Revue roum. biol., zool.*, **17**(1): 15-21.
- Damian-Georgescu, A.** (See SPATARU, P. and DAMIAN-GEORGESCU, A.)
- Das Gupta, S. K. and Wirth, W. W.**  
1968 Revision of the Oriental species of *Stilobezzia* Kieffer. *Bull. U.S. natn. Mus.*, **283**: 1-149.
- Das Gupta, S. K.** (See SEN, P. and DAS GUPTA, S. K.)
- David, F.** (See DOBY, J. M. and DAVID, F.)
- Davies, L.**  
1957 A new *Prosimulium* species from Britain, and a re-examination of *P. hirtipes* Fries from the Holarctic Region (Diptera, Simuliidae). *Proc. R. ent. Soc. Lond. (B)*, **26**(1-2): 1-10.  
1966 The taxonomy of British black-flies (Diptera, Simuliidae). *Trans. R. ent. Soc. Lond.*, **118**(14): 413-511.  
1967 *Simulium* (*Eusimulium*) *cambriense* nom. n., a replacement name for *S. (E.) celticum* Davies, 1966. *Proc. R. ent. Soc. Lond. (B)*, **36**(3-4): 33.
- Davies, L.** (See CROSSKEY, R. W. and DAVIES, L.)
- Deblock, S.** (See DOBY, J. M. and DEBLOCK, S.)
- Deduit, J.** (See CALLOT, J., KREMER, M. and DEDUIT, J.)
- Deduit, J.** (See KREMER, M. and DEDUIT, J.)
- De Geer, C.**  
1776 *Memoires pour servir à l'histoire des Insectes.* Stockholm, **6**: 1-522.
- Delecolle, J.-C.** (See CHAKER, E., DELECOLLE, J.-C. and KREMER, M.)
- Delecolle, J.-C.** (See KREMER, M., BRAVERMAN, Y. and DELECOLLE, J.-C.)
- Delecolle, J.-C.** (See KREMER, M., CHAKER, E. and DELECOLLE, J.-C.)

- Delecolle, J.-C.** (See KREMER, M., DELECOLLE, J.-C., BAILLY-CHOUMARA, H. and CHAKER, E.)
- Delecolle, J.-C.** (See RIEB, J.-P. and DELECOLLE, J.-C.)
- Delfinado, M. D.** (See CHANTHAWANICH, N. and DELFINADO, M. D.)
- De Meillon, B. and Wirth, W. W.**
- 1981 Subsaharan Ceratopogonidae (Diptera) V. Kolenohenea, a new genus of African Stilobezziini. *Ann. Natal Mus.*, **24**(2): 512–523.
- Descous, S.** (See CALLOT, J., KREMER, M., RIOUX, J.-A. and DESCOUS, S.)
- Descous, S.** (See CLASTRIER, J., RIOUX, J.-A. and DESCOUS, S.)
- Descous, S.** (See RIOUX, J. A. and DESCOUS, S.)
- Descous, S.** (See RIOUX, J. A., DESCOUS, S. and PECH, J.)
- Dessart, P.**
- 1962 Contribution à l'étude des Ceratopogonidae (III). Quelques nouvelles synonymies de Forcipomyia africains. *Bull. Annl. Soc. r. ent. Belg.*, **98**(2): 67–70.
- Diaz Najera, A.** (See VARGAS, L., MARTINEZ PALACIOS, A. and DIAZ NAJERA, A.)
- Dinulescu, G.**
- 1966 Diptera. Fam. Simuliidae. *Fauna R. P. Romîne*, **11**(8): 1–600.
- Djafarov, Sh. M.** (See under DZHAFAROV, S. M.)
- Djafarov, Sh. M.** (See RUBZOV, I. A. and DJAFAROV, SH. M.)
- Doby, J. M. and David, F.**
- 1959 Greniera, genre nouveau de Simuliide (Diptères-Nématocères). Discussion de la position systématique. *C. r. Acad. Sci.*, **249**(5): 763–765.
- 1959 Description de Greniera fabri Doby et David, 1959 (Diptera-Nematocera, Simuliidae) en provenance de l'Ouest de la France (Loire-Atlantique). *Bull. Soc. Path. exot.*, **52**(5): 669–678.
- 1960 Simulium (Simulium) lamachi nov. spec., similie nouvelle (Diptères-Nématocères) en provenance des Pyrénées-Orientales. *Vie et Milieu*, **2**(1): 106–117.
- 1961 Une nouvelle espèce du groupe "Simulium latipes": Simulium armoricanum n. sp. (Diptères, Simuliides), récoltée dans l'Ouest de la France. *Bull. Soc. zool. Fr.*, **86**(2–3): 230–235.
- Doby, J. M. and Deblock, S.**
- 1957 Présence de tubercules tegumentaires épineux chez la nymphe d'une forme autrichienne de Simulium ornatum Meigen, 1818; S. ornatum f. spinosum n. f. *Annl. Parasit. hum. comp.*, **32**(3): 328–330.
- Doby, J. M. and Rault, B.**
- 1960 Simulies françaises du groupe monticola: Simulium monticola Friederichs, 1920; S. monticola var. celtica var. nov., S. dorieri n. sp. (Diptères, Simulides). *Bull. Soc. scient. Bretagne*, **35**: 241–257.
- Dorier, A.** (See GRENIER, P. and DORIER, A.)
- Dorier, A.** (See SÉGUY, E. and DORIER, A.)
- Dorier, A. and Grenier, P.**
- 1959 Une nouvelle Simulie (S. degrangei n. sp.) (Diptera, Simuliidae) récoltée en Savoie. *Trav. Lab. Hydrobiol. Piscic. Univ. Grenoble*, **50–51**: 195–205.

- 1961 Description de deux formes nouvelles de Simulies: *Simulium carthusiense* f. *brevicaulis* et *Simulium carthusiense* f. *truncata*. *Trav. Lab. Hydrobiol. Piscic. Univ. Grenoble*, **52-53**: 93-100.
- Dorogostajsky, V. Tsh., Rubzov, I. A. and Vlasenko, N. M.**
- 1935 Materials for studying of systematics, geographical distribution and biology of black flies from Eastern Siberia. *Parasitol. Sb. zool. Akad. Nauk SSSR*, **5**: 107-204 (In Russian).
- Douwe, C.** (See KIEFFER, J. J. and DOUWE, C.)
- Dow, M. I. and Wirth, W. W.**
- 1972 Studies on the genus *Forcipomyia*, 2. The nearctic species of the subgenera *Thyridomyia* and *Synthyridomyia*. *Ann. ent. Soc. Am.*, **65**(1): 177-201.
- Downes, J. A.**
- 1955 The food habits and description of *Atrichopogon pollinivorus* sp. n. *Trans. R. ent. Soc. Lond.*, **106**(12): 439-453.
- Downes, J. A. and Kettle, D. S.**
- 1952 Description of three species of *Culicoides* Latreille new to science, together with notes on, and revised key to the British species of pulicaris and obsoletus groups. *Proc. R. ent. Soc. Lond. (B)*, **21**(5/6): 61-78.
- Dufour, L.**
- 1839 Mémoire sur les métamorphoses de plusieurs larves fungivores de Diptères. *Annls Sci. nat.*, (2) **12**: 5-60.
- 1839 Revision et monographie du genre *Ceroplatus*. *Annls Sci. nat.*, (2) **11**: 31-50.
- 1845 Observation sur les métamorphoses du *Ceratopogon geniculatus*. *Annls Soc. ent. Fr.*, (2) **3**: 215-223.
- Dyar, H. G. and Shannon, R. C.**
- 1927 The North American two-winged flies of the family Simuliidae. *Proc. U.S. natn. Mus.*, **69**: 1-54.
- Dzhafarov, S. M. (DJAFAROV, SH. M.)**
- 1953 Two new species of black flies (Simuliidae, Diptera) from the waterbodies of Maly Caucasus. *Dokl. Akad. Nauk azerb. SSR*, **9**(11): 675-681 (In Russian).
- 1954 New species of bloodsucking black flies from the Akhsu Rayon and its rivulets. *Izv. Akad. Nauk azerb. SSR*, **1**: 85-93 (In Russian).
- 1954 Description of two new species of black flies (Simuliidae, Diptera) from Azerbaijan. *Dokl. Akad. Nauk azerb. SSR*, **10**(4): 285-290 (In Russian).
- 1956 A new species of black flies from Transcaucasia. *Dokl. Akad. Nauk azerb. SSR*, **12**(1): 31-35 (In Russian).
- 1958 Новые виды мокрецов из Нахичеванской АССР. *Dokl. Akad. Nauk azerb. SSR*, **14**(3): 245-247.
- 1959 *Culicoides flavidus*, a new species of the genus *Culicoides* Kieff. from Transcaucasia. *Ent. Obozr.*, **38**(2): 470-471 (In Russian).

- 1960 Материалы по фауне мокрецов Армении с описанием нового вида. *Izv. Akad. Nauk armyan. SSR, biol.*, 13(1): 93–98.
- 1960 Fauna of bloodsucking Heleidae of bottomland forest in the Kura plain in Azerbaijan. *Zool. Zh.*, 39(8): 1180–1186 (In Russian).
- 1961 К фауне кровососущих мокрецов рода *Culicoides* Latr. Алазанской долины в Азербайджане. *Izv. Akad. Nauk azerb. SSR, biol.*, (2): 73–76.
- 1961 К систематике кровососущих мокрецов рода *Leptoconops* Skuse в Закавказье и описание новых видов. *Izv. Akad. Nauk azerb. SSR, biol.*, 1961(1): 67–76.
- 1961 Описание трех видов кровососущих мокрецов из Малого. *Izv. Akad. azerb. SSR, biol.*, 1961(10): 75–80.
- 1962 New species of bloodsucking midges from the valley of the Kura river, Transcaucasus. *Ent. Obozr.*, 41(1): 206–219 (In Russian).
- 1962 Кровососущие мокрецы северо-восточной части Азербайджана. *Ent. Sb. Inst. Zool. Akad. Nauk azerb. SSR*, 1: 183–192.
- 1962 Новый вид кровососущего рода *Lasiohelea* Kieff. из Азербайджана. *Ent. Sb. Inst. Zool. Akad. Nauk azerb. SSR*, 1: 193–200.
- 1963 Новый вид кровососущих мокрецов из восточных районов Грузии. *Dokl. Akad. Nauk azerb. SSR*, 19(5): 53–55.
- 1964 *Кровососущие мокрецы Закавказья*. Baku: 1–414.
- Dziedzicki, H.**
- 1884 Przyczynek do fauny owadów dwuskrzydłych. I. Teil. (Mycothera, Mycetophila, Staegeria). *Pam. fizyogr.*, 4: 298–324.
- 1885 Przyczynek do fauny owadów dwuskrzydłych. Rodzaje nowe: Hertwigia nov. gen., Eurycera nov. gen. i gatunki rodzajów: Boletina, Sciophila. *Pam. fizyogr.*, 5(3): 164–194.
- 1889 Revue des espèces européennes du genre *Phronia* Winnertz avec la description des deux genres nouveaux: *Macrobrachius* et *Megophthalmidia*. *Horae Soc. ent. ross.*, 23: 404–532.
- 1910 Zur Monographie der Gattung *Rymosia* Winn. *Horae Soc. ent. ross.*, 77: 89–104.
- 1915 Atlas des organes genitaux des types de Winnertz et des genres de la collection de Mycetophiles. *Publ. Soc. scient. Varsovie*, 3: 1–16.
- 1923 Revue des espèces européennes du genre *Anatella* Winnertz avec la description des deux genres nouveaux: *Heteropygium* et *Allophallus*. *Discipl. biol. Arch. Soc. scient. varsaviensis*, 1(1922) (15): 1–7.
- Edwards, F. W.**
- 1913 Notes on British Mycetophilidae. *Trans. R. ent. Soc. Lond.*, 1913: 334–382.
- 1913 Some mycetophilid synonymy. *Ann. Mag. nat. Hist.*, (8) 12: 162–174.
- 1915 On the British species of *Simulium*. I. Adults. *Bull. ent. Res.*, 6: 23–42.
- 1916 On the systematic position of the genus *Mycetobia* Mg. (Diptera, Nematocera). *Ann. Mag. nat. Hist.*, (8) 17: 108–115.

- 1920 On the British species of *Simulium*. II. The early stages with corrections and additions to Part I. *Bull. ent. Res.*, **11**: 211–246.
- 1921 New species of Palaearctic Simuliidae in the British Museum (Diptera, Nematocera). *Ann. Mag. nat. Hist.*, (9) **7**: 141–143.
- 1921 A note on the dipterous subfamily Ditomyiinae, with descriptions of new recent and fossil forms. *Ann. Mag. nat. Hist.*, (9) **7**: 431–437.
- 1921 Diptera Nematocera from Arran and Loch Etive. *Scott. Nat.*, **115/116**: 49–61, 89–92, 121–125.
- 1923 New and old observations on Ceratopogonine midges attacking other insects. *Ann. trop. Med. Parasit.*, **17**: 19–29.
- 1923 On some Algerian species of *Simulium*. *Arch. Inst. Pasteur Algér.*, **1**(4): 647–653.
- 1923 Diptera Nematocera from Rodriguez Island. *Ann. Mag. nat. Hist.*, (9) **12**: 330–337.
- 1924 Notes on the types of Diptera Nematocera (Mycetophilidae and Tipulidae) described by Mr. E. Brunetti. *Rec. Indian Mus.*, **26**(4): 291–307.
- 1924 *Apelma* and *Euforcipomyia*: synonymical notes. *Entomologist's mon. Mag.*, **10**(60): 190.
- 1924 Description of adults of two new species of *Forcipomyia*. Appendix to L. G. Saunders: On the life history and the anatomy of the early stages of *Forcipomyia*. *Parasitology*, **16**(2): 209–211.
- 1924 Results of the Merton College Expedition to Spitsbergen, 1923. No 4. Diptera Nematocera. *Ann. Mag. nat. Hist.*, (9) **14**: 162–174.
- 1924 Notes on Meigen's fungus gnat types. *Encycl. ent. (B II) Dipt.*, **1**: 13–17.
- 1924 New species of Nematocerous Diptera from Fiji and Trinidad. *Ann. Mag. nat. Hist.*, (9) **14**: 568–574.
- 1925 British fungus-gnats (Diptera, Mycetophilidae) with a revised generic classification of the family. *Trans. R. ent. Soc. Lond.*, **1924**: 505–670.
- 1925 Notes on the types of Mycetophilidae (Diptera) described by Staeger and Zetterstedt. *Ent. Tidskr.*, **45**: 160–168.
- 1926 On the British biting midges. *Trans. R. ent. Soc. Lond.*, **74**(2): 389–426.
- 1927 Notes on British *Simulium* (Diptera). *Entomologist's mon. Mag.*, **63**: 255–257.
- 1927 Two new *Simulium* from Kashmir. *Bull. ent. Res.*, **18**(2): 169–170.
- 1928 The Nematocerous Diptera of Corsica. *Encycl. ent. (B II) Dipt.*, **4**: 157–189.
- 1928 Diptera Fam. Protorhyphidae, Anisopodidae, Pachyneuridae, Trichoce-ridae. In WYTSMANN: *Genera Insectorum*, Fasc. **190**: 1–40.
- 1929 A revision of the Thaumaleidae (Dipt.). *Zool. Anz.*, **82**: 121–142.
- 1929 On the British non-biting midges. Appendix. *Trans. R. ent. Soc. Lond.*, **77**(2): 425–428.
- 1929 Notes on the Ceroplatinae, with descriptions of new Australian species (Diptera, Mycetophilidae). *Proc. Linn. Soc. N.S.W.*, **54**(3): 162–175.

- 1932 A new Thaumalea from Mt. Lebanon (Diptera, Thaumaleidae). *Stylops*, **1**: 33.
- 1932 Notes on Highland Diptera, with descriptions of six new species. *Scott. Nat.*, **194**: 43–52.
- 1933 Some Pertshire Diptera. *Scott. Nat.*, **201**: 87–99 and **202**: 113–117.
- 1933 *Exechia bicincta* Staeger (Mycetophilidae), a *Trichocera* (Trichoceridae) and *Tipula vittata* Meigen (Tipulidae) with abnormal characters (Diptera). *J. ent. Soc. S. Engl.*, **1**: 55–56.
- 1933 On three European species of *Simulium*. *Annln naturh. Mus. Wien*, **46**: 255–256.
- 1934 The Simuliidae (Diptera) of Java and Sumatra. *Arch. Hydrobiol. Suppl.*, **13**: 92–138.
- 1935 Diptera from Bear Island. *Ann. Mag. nat. Hist.*, (10) **15**: 531–543.
- 1939 Nematocera-Ceratopogonidae. In EDWARDS, OLDROYD, SMART: *British blood sucking flies*: 25–50, 129–148.
- 1940 Redefinitions and synonymy of some genera of amber fungus gnats (Diptera: Mycetophilidae). *Proc. R. ent. Soc. Lond. (B)*, **9**: 120–126.
- 1941 Notes on British fungus-gnats (Dipt., Mycetophilidae). *Entomologist's mon. Mag.*, **77** [ser. 4, 2]: 21–32, 67–82.

**Egger, J.**

- 1863 Dipterologische Beiträge. *Verh. zool.-bot. Ges. Wien*, **13**: 1101–1110.

**Enderlein, G.**

- 1908 Neue Ceratopogoninen aus Südafrika. *Denkschr. med.-naturw. Ges. Jena*, **13**: 459–461.
- 1910 The Percy Sladen Trust Expedition to the Indian Ocean in 1905 under the leadership of Mr. J. Stanley Gardiner, M. A. Volume III. No V. Diptera, Mycetophilidae. *Trans. Linn. Soc. Lond.*, (2) Zool., **14**(2): 59–81.
- 1911 Neue Gattungen und Arten außereuropäischer Fliegen. *Stettin. ent. Ztg.*, **72**: 135–209.
- 1913 Dipterologische Studien VII. *Kerteszia tunesica*, eine neue Mycetophilidengattung aus Nordafrika. *Zool. Anz.*, **43**: 26–27.
- 1921 Das System der Kriebelmücken (Simuliidae). *Dt. tierärztl. Wschr.*, **29**(16): 197–200.
- 1921 Neue paläarktische Simuliiden. *Sber. Ges. naturf. Freunde Berl.*, **1921**: 212–224.
- 1922 Weitere Beiträge zur Kenntnis der Simuliidae. *Konowia*, **1**(1–2): 67–76.
- 1924 Die Simuliiden Bulgariens und ihre Schäden im Jahre 1923. *Zool. Anz.*, **61**(11–12): 280–288.
- 1924 In DAMPF, A.: Zur Kenntnis estländischen Hochmoorfauna. *Sber. naturf. Ges. Univ. Dorpat*, **31**: 46–48.
- 1925 Weitere Beiträge zur Kenntnis der Simuliiden und ihrer Verbreitung. *Zool. Anz.*, **62**(9–10): 201–211.
- 1926 Neue Beiträge zur Kenntnis der paläarktischen Simuliiden. *Zool. Anz.*, **66**: 139–142.



- 1928 *Cnetha wigandi*, eine neue Simuliidae aus dem Leinegebiet. *Zool. Anz.*, **76**(11–12): 315–317.
- 1929 Beitrag zur Kenntnis der Prosimuliinen und Hellichiinen. *Sber. Ges. naturf. Freunde Berl.*, **1929**: 222–224.
- 1929 Neue Arten des Simuliidengenus *Cnetha* (Dipt.). *Wien. ent. Ztg.*, **46**(2): 73–78.
- 1930 Der heutige Stand der Klassifikation der Simuliiden. *Arch. klassif. phylogen. Ent.*, **1**(2): 77–97.
- 1933 Weiterer Ausbau des Systems der Simuliiden (Dipt.). *Dt. ent. Z.*, **3**: 273–292.
- 1934 Aussereuropäische Simuliiden aus dem Wiener Museum. *Sber. Ges. naturf. Freunde Berl.*, **1934**: 190–195.
- 1935 Neue Simuliiden, besonders aus Afrika. *Sber. Ges. naturf. Freunde Berl.*, **1935**: 358–364.
- 1936 Simuliologica I. *Sber. Ges. naturf. Freunde Berl.*, **1935**: 113–130.
- 1936 22. Ordnung Zweiflügler, Diptera. In BROHMER, P., EHRMANN, P. and ULMER, G. (eds.): *Die Tierwelt Mitteleuropas*, **6**(2): Insekten, Teil III, Leipzig: 1–259.
- 1938 Die Dipterenfauna der Juan-Fernandez-Inseln und der Oster-Inseln. I. Die Dipteren der Juan-Fernandez-Inseln. In SKOTTSBERG, C. (ed.): *The Natural History of Juan Fernandez and Easter Island*. Uppsala, **3**: 643–680.
- Fabricius, J. C.**
- 1775 *Systema entomologiae, sistens insectorum classes, ordines, genera, species adiectis synonymis, locis, descriptionibus, observationibus*. Flensburg et Lipsiae [= Flensburg and Leipzig]: 1–832.
- 1787 *Mantissa insectorum*, **2**: 333.
- 1798 *Supplementum entomologiae systematicae*. Hafnia [= Copenhagen]: 1–572.
- 1805 *Systema antliatorum secundum ordines, genera, species*. Brunsvigae [= Brunswick]: 1–372 + 30.
- Faure, P. R.** (See GRENIER, P. and FAURE, P. R.)
- Faure, P. R.** (See GRENIER, P., FAURE, P. R. and LAURENT, J.)
- Fisher, E. G.**
- 1937 New North American fungus gnats (Mycetophilidae). *Jl N.Y. ent. Soc.*, **45**: 387–401.
- 1938 A comparative study of the male terminalia of the Mycetophilidae of nearctic America (Abstract). *Cornell Univ., Abs. Theses*, **1937**: 219–222.
- Fox, I.**
- 1955 A catalogue of the bloodsucking midges of the Americas (Culicoides, Leptoconops and Lasiohelea) with keys to the subgenera and nearctic species, a geographic index and bibliography. *J. Agric. Univ. P. Rico*, **39**(4): 244–285.

**Freeman, P.**

- 1956 Two new species of Mycetophilidae from Britain. *Proc. R. ent. Soc. Lond. (B)*, **25**: 26–28.

**Frey, R.**

- 1936 Die Dipterenfauna der Kanarischen Inseln und ihre Probleme. *Commentat. biol.*, **6**(1): 1–237.  
 1945 Tiergeographische Studien über die Dipterenfauna der Azoren. *Commentat. biol.*, **8**(10): 1–114.  
 1949 Die Dipterenfauna der Insel Madeira. *Commentat. biol.*, **8**(16): 1–47.

**Frey, R.** (See LUNDSTRÖM, C. and FREY, R.)**Friederichs, K.**

- 1920 Zur Kenntnis der deutschen Simuliiden. *Sber. Abh. naturf. Ges. Rostock*, **7**: 211–226.  
 1920 Neues über Kriebelmücken. *Berl. tierärztl. Wschr.*, **36**: 567–569.  
 1921 Untersuchungen über Simuliiden. *Z. angew. Ent.*, **8**(1): 1–92.

**Fries, B. F.**

- 1824 Observationes entomologicae, Pars 1. *Monogr. simularum sveciae*, **1**: 5–20.

**Gachegova, T. A.** (See GORNOSTAJEVA, R. M. and GACHEGOVA, T. A.)**Gagné, R. J.**

- 1974 A redescription of Becker's *Phronia* from the Canary Islands (Diptera: Mycetophilidae). *Proc. ent. Soc. Wash.*, **76**(4): 452–459.  
 1975 A revision of the nearctic species of the genus *Phronia* (Diptera: Mycetophilidae). *Trans. Am. ent. Soc.*, **101**: 227–318.  
 1981 A monograph of *Trichonta* with a model for the distribution of Holarctic Mycetophilidae (Diptera). *Techn. Bull. U.S. Dept. Agric.*, No. **1638**: 1–64.

**Galan, G.** (See HARANT, H. and GALAN, G.)**Giglio-Tos, E.**

- 1890 Nouvelle espèce de Ditteri del Museo Zoologico di Torino. *Boll. Mus. Zool. Anat. comp. R. Univ. Torino*, **5**(84): 1–4.  
 1891 Nouvelle espèce de Ditteri del Museo Zoologico di Torino. IV. *Boll. Mus. Zool. Anat. comp. R. Univ. Torino*, **6**(97): 1–8.

**Gimmerthal, B. A.**

- 1845 Acht neue von Herrn Pastor Kawall in Kurland aufgefundene Dipteren-Arten. *KorrespBl. naturfVer. Riga*, **1**(6): 102–106.  
 1846 Zweiter Beitrag zu einer künftig zu bearbeitenden Dipterologie Russlands. *Bull. Soc. nat. Moscou*, **19**(2): 3–82.  
 1847 Vierter Beitrag zur Dipterologie Russlands. *Bull. Soc. nat. Moscou*, **20**(3): 140–208.

**Gistel, J. N.** (or GISTEL, J.)

- 1848 *Naturgeschichte des Thierreichs für höhere Schulen*: Stuttgart: XVI + 1–216.

**Giudicelli, J.**

- 1960 Une Simulie nouvelle récoltée en Corse: *Simulium timon-davidi* n. sp. (Diptera, Simuliidae). Description d'un nouveau type. D'appareil respiratoire chez la nymphe. *Bull. Soc. zool. Fr.*, **85**(5-6): 401-408.
- 1962 *Simulium galloprovinciale* n. sp. (Diptera, Simuliidae), une Simulie nouvelle du groupe auricoma; comparaisons avec espèces du genre *Obuchovia* Rubzov, 1951. *Bull. Soc. Path. exot.*, **55**: 882-892.

**Gluchova, V.** (See REMM, H. and GLUCHOVA, V.)**Glukhova, V. M.**

- 1957 Genus *Culicoides* in Karelia. *Ent. Obozr.*, **36**(1): 248-251 (In Russian).
- 1971 On interspecific relations, variability and specific composition of bloodsucking midges of the nubeculosus group of the genus *Culicoides*. *Parazitologiya*, **5**(6): 499-511 (In Russian).
- 1972 О подроковой классификации рода *Culicoides* с учетом строения преимагинальных фаз и выделением нового подрода. *Trudy parasit.*, Kiev, **1**: 212-215.
- 1973 The new species of biting midges of the genus *Culicoides* from Central Tien Shan. *Parazitologiya*, **7**(2): 111-115 (In Russian).
- 1977 О подроковой классификации рода *Culicoides* Latreille, 1809 с учетом строения личиночной фазы. *Parazit. Sb.*, **27**: 112-118.
- 1979 Descriptions of new species of Ceratopogonidae. *Ent. Obozr.*, **58**(1): 161-171 (In Russian).
- 1979 Личинки мокрецов подсемейств Palpomyiinae и Ceratopogoninae фауны СССР. *Опед. по фауне СССР*, **121**: 230с.

**Glukhova, V. M.** (See IVANOV, K. S. and GLUKHOVA, V. M.)**Glukhova, V. M. and Khabirov, Z.**

- 1977 New species of biting midges of genus *Culicoides* from Western Pamirs. *Dokl. Akad. Nauk tadzhik. SSR.*, **20**(12): 50-54. (In Russian).

**Gluschenko, N. P. and Mirzajeva, A. G.**

- 1970 Новый вид мокрецов рода *Culicoides*. *Новые и малоизв. виды фауны Сибири*, **3**: 37-39.

**Gmelin, J. F.**

- 1792 *Caroli a Linné systema naturae per regna tria naturae*, Ed. 13, Lipsiae [= Leipzig]: **1**(5): 2225-3020.

**Goepfert, H. R. and Berendt, G. C.**

- 1845 *Die in Bernstein befindlichen organischen Reste der Vorwelt*. Berlin: 1-125.

**Goetghebuer, M.**

- 1910 Description de Diptères Chironomides nouveaux. *Revue Soc. ent. Namur*, **10**: 96-97.
- 1911 Un Chironomide nouveau de Belgique: *Bezzia xanthocephala* n. sp. *Revue Soc. ent. Namur*, **11**: 95-97.
- 1911 Chironomides de Belgique. *Annls Soc. ent. Belg.*, **55**: 95-113.
- 1912 Quelques Chironomides nouveaux de Belgique. *Annls Biol. lacustre*, **5**: 204-214.

- 1914 Contribution à l'étude des Chironomides de Belgique. *Annl. Biol. lacustre*, **7**: 165–229.
- 1919 Observations sur les larves et nymphes de quelques Chironomides de Belgique. *Annl. Biol. lacustre*, **9**: 51–78.
- 1920 Ceratopogoninae de Belgique. *Mém. Mus. r. hist. nat. Belg.*, **8**(3): 1–115.
- 1921 Chironomides de Belgique et spécialement de la zone des Flandres. *Mém. Mus. r. hist. nat. Belg.*, **8**(4): 1–211.
- 1922 Étude critique des Ceratopogon de la collection Meigen conservée au Muséum national d'Histoire naturelle de Paris. *Bull. Soc. ent. Belg.*, **4**: 50–59.
- 1922 Nouveaux matériaux pour l'étude de la faune des Chironomides de Belgique. *Annl. Biol. lacustre*, **11**: 38–62.
- 1923 Nouveaux matériaux pour l'étude de la faune des Chironomides de Belgique. 2<sup>me</sup> note. *Annl. Biol. lacustre*, **12**: 103–120.
- 1927 Nouveaux matériaux pour l'étude de la faune des Chironomides de Belgique. 3<sup>e</sup> note. *Annl. Biol. lacustre*, **15**: 93–104.
- 1927 Observations sur quelques Ceratopogonides de Belgique. *Bull. Annl. Soc. r. ent. Belg.*, **67**: 202–204.
- 1929 Deux formes nouvelles de Ceratopogonidae de Belgique. *Bull. Annl. Soc. r. ent. Belg.*, **68**: 232–234.
- 1931 Ceratopogonidae et Chironomidae nouveaux d'Europe. *Bull. Annl. Soc. r. ent. Belg.*, **71**: 211–218.
- 1932 Ceratopogonidae et Chironomidae nouveaux ou peu connus d'Europe. *Bull. Annl. Soc. r. ent. Belg.*, **72**: 125–130.
- 1933 Ceratopogonidae et Chironomidae nouveaux ou peu connus d'Europe. 2<sup>me</sup> note. *Bull. Annl. Soc. r. ent. Belg.*, **72**: 287–294.
- 1933 Ceratopogonidae et Chironomidae de la Sibérie Orientale. *Bull. Annl. Soc. r. ent. Belg.*, **73**: 111–120.
- 1933 Ceratopogonidae et Chironomidae nouveaux ou peu connus d'Europe. 4<sup>me</sup> note. *Bull. Annl. Soc. r. ent. Belg.*, **73**: 353–361.
- 1933 Catalogue des Ceratopogonides de Belgique. *Bull. Annl. Soc. r. ent. Belg.*, **73**: 363–372.
- 1933 13a. Heleidae (Ceratopogonidae). In LINDNER: *Die Fliegen der palaearktischen Region*, **3**(2): 1–148.
- 1934 Zur Erforschung des Persischen Golfes (Beitrag Nr. 15). Ceratopogonidae et Chironomidae. *Arb. morph. taxon. Ent. Berl.*, **1**(1): 36–39.
- 1934 Ceratopogonides et Chironomides recueillis en Palestine. *Bull. Annl. Soc. r. ent. Belg.*, **74**: 214.
- 1934 Ceratopogonidae et Chironomidae nouveaux ou peu connus d'Europe (5<sup>e</sup> note). *Bull. Annl. Soc. r. ent. Belg.*, **74**: 287–294.
- 1935 Ceratopogonidae et Chironomidae nouveaux ou peu connus d'Europe. 6<sup>e</sup> note. *Encycl. ent. (B II) Dipt.*, **8**: 3–14.

- 1935 Ceratopogonidae et Chironomidae récoltés pour la première fois en Belgique. *Bull. Annl. Soc. r. ent. Belg.*, **75**: 413–418.
- 1936 Nouvelle contribution à la connaissance des Cératopogonides et des Chironomides de Belgique. *Bull. Annl. Soc. r. ent. Belg.*, **76**: 319–326.
- 1937 Ceratopogonidae et Chironomidae nouveaux ou peu connus d'Europe (7<sup>e</sup> note). *Bull. Annl. Soc. r. ent. Belg.*, **77**: 273–280.
- 1937 Contribution à l'étude des Diptères halophiles et halobies du littoral méditerranéen. Chironomides et Cératopogonides de l'Îlot de Planier. *Bull. Annl. Soc. r. ent. Belg.*, **77**: 409–416.
- 1938 Note sur quelques Cératopogonides de Belgique. *Bull. Annl. Soc. r. ent. Belg.*, **78**: 375–380.
- 1939 Cératopogonides et Chironomides recueillis en Algérie. *Bull. Annl. Soc. r. ent. Belg.*, **79**: 59–62.
- 1940 Chironomides de Laponie Suédoise. *Bull. Annl. Soc. r. ent. Belg.*, **80**: 55–72.
- 1941 Cératopogonides et Chironomides nouveaux d'Allemagne. *Arch. Hydrobiol.*, **38**(2): 288–290.
- 1942 Ceratopogonidae et Chironomidae nouveaux ou peu connus d'Europe (11<sup>e</sup> note). *Bull. Mus. r. Hist. nat. Belg.*, **18**(46): 1–16.
- 1947 Description de deux Cératopogonides nouveaux de Belgique. *Bull. Annl. Soc. r. ent. Belg.*, **83**: 228–229.
- 1948 Deux Diptères nouveaux de Belgique. *Bull. Annl. Soc. r. ent. Belg.*, **84**(1): 36–39.
- 1949 Ceratopogonidae et Chironomidae nouveaux ou peu connus d'Europe (13<sup>me</sup> note). *Bull. Inst. r. Sci. nat. Belg.*, **25**(14): 1–8.
- 1950 Ceratopogonidae et Chironomidae nouveaux ou peu connus d'Europe (14<sup>me</sup> note). *Bull. Inst. r. Sci. nat. Belg.*, **26**(47): 1–15.
- 1952 Contribution au catalogue des Cératopogonides et des Chironomides de Belgique. *Bull. Inst. r. Sci. nat. Belg.*, **28**(62): 1–4.
- 1953 Note à propos de 2 Culicoides de Belgique. *Arch. Hydrobiol.*, **48**(1): 126–128.
- Golini, V. I.**
- 1975 Simuliidae (Diptera) of Rendalen, Norway. I. *Eusimulium rendalense* n. sp. and *E. fallisi* n. sp., feeding on ducks. *Ent. Scand.*, **6**: 229–239.
- Gornostajeva, R. M.**
- 1980 *Culicoides grisescens flavus* subsp. n. — a new subspecies of biting midges. *Zool. Rec. (Kiev)*, **1980**(6): 81–83 (In Russian).
- Gornostajeva, R. M. and Gachegova, T. A.**
- 1972 A new species of midges *Culicoides filicinus* sp. n. from Western Sayans. *Parazitologiya*, **6**(6): 522–530 (In Russian).
- Grenier, P.**
- 1947 Notes morphologiques et biologiques sur quelques simulies nouvelles pour la faune française. *Bull. Soc. ent. Fr.*, **52**: 66–69.
- Grenier, P.** (See BERNARD, M.-R., GRENIER, P. and BAILLY-CHOUMARA, H.)

- Grenier, P.** (See DORIER, A. and GRENIER, P.)
- Grenier, P.** (See ZIVKOVITCH, V. and GRENIER, P.)
- Grenier, P. and Bailly-Choumara, H.**
- 1970 *Simulium gracilipes* Edwards, 1921: descriptions de la larve, nymphe, imago male et description complémentaire de la femelle. *Diagnosis du sous-genre Crosskeyellum nov. subg. (Diptera, Simuliidae). Cah. ORSTOM, ser. Ent. Med. Parasit.*, **8**(1): 95–105.
- Grenier, P. and Bertrand, H.**
- 1954 Simuliidae (Diptera, Nematocera) d'Espagne. *Annls Parasit. hum. comp.*, **29**(4): 447–459.
- Grenier, P. and Dorier, A.**
- 1959 Deux Simulies nouvelles (*S. bertrandi* n. sp. et *S. carthusiense* n. sp.) du groupe latipes, récoltées en France et en Espagne. *Trav. Lab. Hydrobiol. Piscic. Univ. Grenoble*, **50–51**: 40–41.
- Grenier, P. and Faure, P. R.**
- 1956 Description d'une Simulie nouvelle du Maroc: *Simulium gaudi* n. sp. (Diptera, Simuliidae). *Bull. Soc. Path. exot.*, **49**(5): 838–840.
- Grenier, P., Faure, P. R. and Laurent, J.**
- 1957 Simulies (Diptera, Simuliidae) du Maroc (Deuxième mémoire). *Arch. Inst. Pasteur Maroc*, **5**(6): 218–242.
- Grenier, P. and Theodorides, J.**
- 1953 Simulies (Diptera, Simuliidae) du Maroc. *Arch. Inst. Pasteur Maroc*, **4**(6): 429–441.
- Grishina, E. M.** (See OSTROVERKHOVA, G. P. and GRISHINA, E. M.)
- Grogan, W. L. and Wirth, W. W.**
- 1980 *Nannohelea*, a new genus of biting midges of the tribe Ceratopogonini, related to *Baehohelea* Wirth and Blanton. *J. Kans. ent. Soc.*, **53**(2): 373–385.
- Grzegorzek, A.**
- 1875 Neue Pilzmücken aus der Sandeczer Gegend. *Verh. zool.-bot. Ges. Wien*, **25**: 1–8.
- 1885 Neue Mycetophiliden. *Berl. ent. Z.*, **29**(2): 199–206.
- Guérin, M. F. E.**
- 1833 Notice sur les métamorphoses des Cératopogons et description de deux espèces nouvelles de ce genre, découvertes aux environs de Paris. *Annls Soc. ent. Fr.*, **2**: 161–167.
- Guthrie, E.**
- 1917 New Mycetophilidae from California. *Ann. ent. Soc. Am.*, **10**: 314–322.
- Gutsevich, A. V.**
- 1945 Новый для фауны СССР род кровососущих двухкрылых *Leptocnops* Skuse. *Ent. Obozr.*, **28**(3–4): 124–130.
- 1952 К фауне мокрецов рода *Culicoides* лесной зоны. *Parazit. Sb.*, **14**: 75–94.
- 1953 О мокрецах восточного Закавказья. *Ent. Obozr.*, **33**: 233–237.

- 1959 New species of the genus *Culicoides* from the southern regions of the USSR. *Ent. Obozr.*, **38**(3): 675–681 (In Russian).
- 1960 Кровососущие мокрецы фауны СССР. *Опред. по фауне СССР*, **72**: 1–30.
- 1964 Кровососущие мокрецы рода *Leptoconops* Алма-Атинской области. *Trudy Inst. Zool., Alma-Ata*, **22**: 192–196.
- 1966 Keys to bloodsucking midges of the genus *Culicoides* from Middle Asia. *Ent. Obozr.*, **45**(3): 658–676 (In Russian).
- 1973 Фауна СССР, двукрылые, **3**(5): 1–270. The bloodsucking midges (*Ceratopogonidae*) (In Russian).
- 1975 О двух видах кровососущих мокрецов рода *Culicoides*. *Parazitologiya*, **9**(1): 92–93.
- Gutsevich, A. V. and Smatov, Z. S.**
- 1966 Новые и малоизвестные виды кровососущих мокрецов из Казахстана. *Trudy Inst. Zool. Akad. Nauk. kazakh. SSR*, **25**: 65–77.
- Hackman, W.**
- 1970 New species of the genus *Phronia* Winnertz (Diptera, Mycetophilidae) from Eastern Fennoscandia and notes on the synonymies in this genus. *Notul. ent.*, **50**: 41–60.
- 1971 Three new species of the *Allodia lugens* group from Northern Europe (Dipt., Mycetophilidae). *Annls ent. fenn.*, **37**: 3–7.
- 1972 *Phronia matilei* n. sp. a new fungus gnat from caves in Switzerland (Diptera, Mycetophilidae). *Notul. ent.*, **52**: 39–40.
- Haeselbarth, F.**
- 1965 *Phaenobezzia*, a new genus of biting midges, with a review of the African species. *Z. angew. Zool.*, **52**(3): 297–324.
- Hagen, H. A.**
- 1862 *Bibliotheca entomologica. Die Literatur über das ganze Gebiet der Entomologie bis zum Jahre 1862*. Leipzig: **1**: 1–556 and **2**: 1–512.
- Holiday, A. H.**
- 1832 The characters of two new dipterous genera, with indications of some generic subdivisions and several undescribed species of *Dolichopidae*. *Zool. J. Lond.*, **5**(1832–1834): 350–367.
- 1833 Catalogue of Diptera occurring about Holywood in Downshire. *Ent. Mag.*, **1**: 147–180.
- 1839 Descriptions of new British Insects indicated in Mr. Curtis's guide. *Ann. Mag. nat. Hist.*, **2**(1838): 112–121 and 183–190.
- Harant, H. and Cellier, M.**
- 1949 Un *Ceratopogonide* nouveau. *Bull. Soc. ent. Fr.*, **54**(1): 10–11.
- Harant, H. and Galan, G.**
- 1942 Un nouveau *Ceratopogonide* saharien; *Forcipomyia picheyrei* nov. sp. *Arch. Inst. Pasteur Algér.*, **20**: 135–138.
- 1942 Notes sur les Diptères de la région méditerranéenne IV. *Bull. Soc. ent. Fr.*, **47**: 56–58.

- 1943 Notes sur les Diptères de la région méditerranéenne VI. *Bull. Soc. ent. Fr.*, **48**: 122–123.
- 1944 Notes sur les Diptères de la région méditerranéenne. VII. Remarques sur les Leptoconops. *Leptoconops lisbonnei* n. sp. *Bull. Soc. Path. exot.*, **37**(5/6): 170–172.
- Harant, H., Huttel, W. and Huttel, N.**
- 1952 Cératopogonides de la lagune de Venise (collection G. Soika). *Bull. Soc. ent. Fr.*, **57**(1): 11–14.
- Hardy, D. E.**
- 1960 Diptera: Nematocera-Brachycera (except Dolichopodidae). In ZIMMERMAN, E. C. (ed.): *Insects of Hawaii*. Honolulu, **10**: 1–368.
- 1965 Family Bibionidae. In STONE et al. (eds): *A Catalog of the Diptera of America North of Mexico*. Washington: 191–196.
- Havelka, P.**
- 1974 *Palpomyia remmi* n. sp., eine Ceratopogonide aus der "Breitenbach Emergenz". *Annl. Parasit. hum. comp.*, **49**(5): 625–629.
- 1976 Ceratopogoniden-Emergenz am Breitenbach und am Rohrwiesenbach (1971–1972). *Arch. Hydrobiol. Suppl.*, **50**(1): 54–95.
- 1978 *Dasyhelea erici* n. sp., eine neue Ceratopogonide aus der Teichbach-Emergenz. *Z. ArbGem. öst. Ent.*, **30**(1/2): 62–64.
- 1978 Blütenbesuchende Ceratopogoniden aus der Umgebung von Tübingen. *Beitr. naturk. Forsch. SüdwDtl.*, **37**: 175–179.
- 1979 Ceratopogonidae. *Limnofauna europaea*, 2 Ed.: 441–458.
- 1979 Situation der Ceratopogonidenforschung auf der Iberischen Halbinsel. *Eos*, **53**: 55–74.
- 1980 Zwei neue Gnitzen aus dem Annaberger Bach bei Bonn. *Decheniana*, **133**: 86–92.
- Hendel, F.**
- 1928 Zweiflügler oder Diptera II. Allgemeiner Teil. In DAHL, F.: *Die Tierwelt Deutschlands*, Jena, **11**: 1–135.
- 1936 Diptera-Fliegen. In KÜKENTHAL-KRUMBACH: *Handbuch der Zoologie*, **4**(2), Lief. 9–10: 1729–1998.
- Hennig, W.**
- 1948 *Die Larvenformen der Dipteren*. Berlin, 1–184.
- 1954 Flügelgeäder und System der Dipteren. *Beitr. Ent.*, **4**: 245–388.
- 1955 Das Flügelgeäder der Gattung *Allactoneura*. Eine Berichtigung (Diptera, Fungivoriden). *Beitr. Ent.*, **5**: 127–128.
- 1966 The Diptera fauna of New Zealand as a problem in systematics and zoogeography. *Pacif. Insects Monogr.*, **9**: 1–81.
- 1968 Kritische Bemerkungen über den Bau der Flügelwurzel bei den Dipteren und die Frage nach der Monophylie der Nerhatocera. *Stuttg. Beitr. Naturk.*, No. **192**: 1–23.
- Hoffmeister, H.**
- 1844 Einige Nachträge zu Meigen's Zweiflüglern. *Cassel Jber.*, **8**: 11–14.



**Holmgren, A. E.**

- 1869 Bidrag till kännedomen om Beeren Eilands och Spitsbergens Insektfauna. *K. svenska VetenskAkad. Handl.* (N. S.), (4) **8**(5): 3–55.
- 1872 Insekter fran Nordgrönland, samlede af Prof. A. E. Nordenskiöld år 1870. *K. svenska VetenskAkad. Öfver.*, **29**(6): 97–105.
- 1883 Diptera. In HOLMGREN, A. E. and AURIVILLIUS, C.: *Insecta a viris dictissimi Nordenskiöld illun ducem sequentibus in insulis Waigatsch et Novaja Semlia ann 1875 collecta. Ent. Tidsskr.*, **4**(3/4): 139–194.

**Hommel, H.** (See KREMER, M., HOMMEL, H. and BAILLY-CHOUMARA, H.)**Hoyt, Ch. P.** (See ARNAUD, P. and HOYT, CH. P.)**Hubert, A. A.** (See WIRTH, W. W. and HUBERT, A. A.)**Hubert, A. A. and Wirth, W. W.**

- 1961 Key to the Culicoides of Okinawa and the description of two new species. *Proc. ent. Soc. Wash.*, **63**(4): 235–239.

**Hutson, A. M.**

- 1978 An undescribed African species of *Leia* (Dipt., Mycetophilidae) infesting root-ginger in London. *Entomologist's mon. Mag.*, **113**(1977): 121–124.
- 1979 Notes on Sciophilinae (Dipt. Mycetophilidae) with a revision of palaeartic *Syntemna* Winnertz. *Entomologist's mon. Mag.*, **114**: 131–146.

**Hutson, A. M., Ackland, D. M. and Kidd, L. N.**

- 1980 Mycetophilidae (Bolitophilinae, Ditomyiinae, Diadocidiinae, Keroplattinae, Sciophilinae and Manotinae) Diptera, Nematocera. *Handbooks for Identification of British Insects*, **9**(3): 1–109.

**Huttel, N.** (See HARANT, H., HUTTEL, W. and HUTTEL, N.)**Huttel, N.** (See HUTTEL, W. and HUTTEL, N.)**Huttel, W.** (See HARANT, H., HUTTEL, W. and HUTTEL, N.)**Huttel, W. and Huttel, N.**

- 1951 Les Cératopogonides de la collection H. Bertrand. *Entomologiste*, **7**(4/5): 98–105.
- 1952 Un Cératopogonide nouveau de la région Montpellier. *Bull. Soc. ent. Fr.*, **57**(2): 31–32.
- 1952 A propos de *Leptoconops inopinatus* n. sp. de la région de Montpellier. *Bull. Soc. ent. Fr.*, **57**(3): 45–47.
- 1952 Un Ceratopogonidae nouveau de la région méditerranéenne. *Revue fr. Ent.*, **19**(3): 178–180.
- 1954 Un *Dasyhelea* inédit du midi de la France. *Bull. Soc. ent. Fr.*, **59**(3/4): 39–41.

**Ingram, A. and Macfie, J. W. S.**

- 1921 West African Ceratopogoninae. *Ann. trop. Med. Parasit.*, **15**(4): 313–376.
- 1922 West African Ceratopogoninae II. *Ann. trop. Med. Parasit.*, **16**(3): 243–282.
- 1924 Notes on some African Ceratopogoninae. — Species of the genus *Lasiohelea*. *Ann. trop. Med. Parasit.*, **18**(3): 377–392.

- 1924 Notes on some African Ceratopogoninae. — Species of the genus *Forcipomyia*. *Ann. trop. Med. Parasit.*, **18**(4): 533–593.
- 1925 New Ceratopogoninae from Nyasaland. *Bull. ent. Res.*, **15**(3): 283–288.
- Ingram, A.** (See CARTER, H. F., INGRAM, A. and MACFIE, J. W. S.)
- International Commission on Zoological Nomenclature**
- 1963 **Opinio 678.** The suppression under the Plenary Powers of the pamphlet published by Meigen, 1800. *Internatl. Conn. Zool. Nomencl., Bull. Zool. Nomencl.*, **20**: 339–342.
- Isimbekov, Z. M.** (See SMATOV, Z. S. and ISIMBEKOV, Z. M.)
- Isotov, Iu. A.** (See OSTROVERKHOVA, G. P. and ISOTOV, IU. A.)
- Ivanov, K. S. and Glukhova, V. M.**
- 1967 New data on the fauna of bloodsucking midges from the coastal zone of the Primorje territory. *Ent. Obozr.*, **46**(4): 806–813 (In Russian).
- Ivaschenko, L. A.**
- 1968 New species of black flies from the family Simuliidae (Diptera). *In: Природа Ивановской Области* [Nature of the Ivanovo District]: 125–127 (In Russian).
- 1970 Description of new species of black flies and addition to the morphology and systematics of the genus *Boophthora* (Simuliidae, Diptera). *Trudy Ivanovskogo Gos. Med. Inst.*, **46**: 120–136 (In Russian).
- 1978 New species of black flies (Simuliidae). *Parazitologiya*, **12**(4): 306–312 (In Russian).
- Iwata, M.**
- 1935 On bloodsucking dipterous insects. *Trans. ent. Soc. Hiroshima*, **2**(1/2): 5–9 (In Japanese).
- Izotov, I. A.**
- 1977 О биотопическом размечении мицетофилоидных комаров (Diptera, Mycetophiloidea) севера Томской области. *Trudy nauchno-issled. inst. biol. biofizik. Tomsk*, **8**: 36–40.
- Jamnback, H. A.** (See STONE, A. and JAMNBACK, H. A.)
- Jarry, D.** (See ARNOLD, M. and JARRY, D.)
- Jenkinson, F.**
- 1908 Notes on certain Mycetophilidae, including several species new to the British list. *Entomologist's mon. Mag.*, (2) **19**: 129–133 and 151–154.
- Johannsen, O. A.**
- 1908 New North American Chironomidae. *Bull. N.Y. State Mus.*, **124**: 264–288.
- 1909 Diptera. Fam. Mycetophilidae. *In* WYTSMAN, P. (ed.): *Genera Insectorum*, Fasc. **93**: 1–141.
- 1910 The fungus gnats of North America. The Mycetophilidae of North America. Part I. *Bull. Me agric. Exp. Stn*, (1909) (2) No. **172**: 209–276.
- 1912 Fungus-gnats of North America. IV. *Bull. Me agric. Exp. Stn*, (2) No. **200**: 57–146.

**Joost, W.**

- 1978 Beitrag zur Dunkelmücken-Fauna Bulgariens (Diptera, Thaumaleidae). *Ent. Nachr.*, **1978**: 118–121.
- 1979 Thaumalea martinovskyi n. sp. aus dem Kaukasus (Diptera, Thaumaleidae). *Ent. Nachr.*, **1979**: 89–92.

**Kachvorian, E. A.** (See TERTERJAN, A. E. and KACHVORIAN, E. A.)**Kachvorian, E. A. and Terterjan, A. E.**

- 1981 A new species of black flies (Diptera, Simuliidae) from the Armenian SSR. *Dokl. Akad. Nauk armyan. SSR*, **73**(3): 181–184 (In Russian).

**Karsch, F.**

- 1886 Ein neues märkisches Dipteron (*Ceratopogon crudelis* n. sp.). *Berl. ent. Z.*, **30**(1): XVII–XVIII.

**Kertész, K.**

- 1898 Dipterologisches aus Ungarn. *Wien. ent. Ztg*, **17**: 293.
- 1902 *Catalogus dipterozum hucusque descriptorum*. Leipzig and Budapest, **1**: 1–339.
- 1903 *Katalog der paläarktischen Dipteren. I. Orthorrhapha Nematocera*. Budapest, **1**: 1–383.

**Kettle, D. S. and Lawson, J. W. H.**

- 1955 Descriptions of two species of *Culicoides* Latreille new to science. *Proc. R. ent. Soc. Lond. (B)*, **24**(3/4): 37–47.

**Khabirov, Z.** (See GLUKHOVA, V. M. and KHABIROV, Z.)**Khalaf, K. T.**

- 1954 The speciation of the genus *Culicoides*. *Ann. ent. Soc. Am.*, **47**(1): 34–51.
- 1957 Heleidae from Iraq, with description of new species. *Bull. Soc. ent. Égypte*, **4**: 335–350.
- 1961 More *Culicoides* from Iraq. *Beitr. Ent.*, **11**(3/4): 450–471.

**Kidd, L. N.**

- 1955 A new species of *Mycomyia* (Dipt., Mycetophilidae) taken in Cumberland. *Entomologist's mon. Mag.*, **91**: 258.
- 1969 A new species of *Allodiopsis* Tuomikoski (Diptera, Mycetophilidae) taken in Berkshire, *Entomologist*, **103**: 101–107.

**Kidd, L. N.** (See HUSTON, A. M., ACKLAND, D. M. and KIDD, L. N.)**Kidd, L. N.** (See LAŠTOVKA, P. and KIDD, L. N.)**Kidd, L. N. and Ackland, D. M.**

- 1970 Some new synonymy in the genera *Leia* Meigen and *Boletina* Staeger (Dipt., Mycetophilidae). *Entomologist*, **104**: 265–267.

**Kieffer, J. J.**

- 1899 Description d'un nouveau genre et tableau des genres européens de la famille des Chironomides. *Bull. Soc. ent. Fr.*, **1899**: 66–70.
- 1901 Synopse des représentants européens du groupe *Ceratopogon* avec descriptions de quelques espèces nouvelles. *Bull. Soc. Hist. nat. Moselle*, **21**: 143–165.
- 1901 Zur Kenntnis der *Ceratopogon*-Larven. *Allg. Z. Ent.*, **6**: 216–220.

- 1906 Description de nouveaux Diptères Nématocères d'Europe. *Annls Soc. scient. Brux.*, **30**: 311–348.
- 1906 Diptera. Chironomidae. In WYTSMAN (ed.): *Genera Insectorum*, Fasc. **42**: 1–78.
- 1908 Description d'une espèce nouvelle de Chironomides d'Égypte. *Annls hist.-nat. Mus. natn. hung.*, **6**: 576–577.
- 1909 Diagnoses de nouveaux Chironomides d'Allemagne. *Bull. Soc. Hist. nat. Moselle*, **26**: 37–56.
- 1910 Étude sur les Chironomides des Indes Orientales avec description de quelques nouvelles espèces d'Égypte. *Mem. Indian Mus.*, **2**(4): 181–242.
- 1911 Nouvelles descriptions de Chironomides obtenus d'éclosion. *Bull. Soc. Hist. nat. Moselle*, **27**: 1–60.
- 1911 Description de nouveaux Chironomides de l'Indian Museum Calcutta. *Rec. Indian Mus.*, **6**(3): 113–177.
- 1911 No. XV. Diptera, Chironomidae der Seychellen-Inseln aus der Sammlung von Mr. H. Scott. Reports of the Percy Sladen Trust expedition to the Indian ocean in 1905, vol. III. *Trans. Linn. Soc. Lond. (2) Zool.*, **14**: 331–366.
- 1912 Quelques nouveaux Tendipédides obtenus d'éclosion (2<sup>e</sup> note). *Bull. Soc. ent. Fr.*, **1912**(4): 101–103.
- 1912 Nouveaux Chironomides (Tendipedidae) de Ceylan. *Spolia zeylan.*, **8**: 1–24.
- 1913 Nouveaux Chironomides (Tendipédides) d'Allemagne. *Bull. Soc. Hist. nat. Moselle*, **28**: 7–35.
- 1913 Nouvelle contribution à la connaissance des Tendipédides d'Allemagne. *Bull. Soc. Hist. nat. Moselle*, **28**: 37–44.
- 1913 Nouvelle étude sur les Chironomides de l'Indian Museum de Calcutta. *Rec. Indian Mus.*, **9**(3): 119–197.
- 1913 Chironomidae et Cecidomyidae. Voyage de Ch. Alluaud et R. Jeannel en Afrique Orientale (1911–1912). *Rés. sci., Ins. Dipt.*, **1**: 1–43.
- 1914 Zwölf neue Culicoidinen-Arten. *Arch. Hydrobiol. Suppl.*, **2**(1): 231–241.
- 1915 Neue Chironomiden Mitteleuropas. *Brotéria*, ser. zool., **13**(2): 65–87.
- 1915 Neue halophile Chironomiden. *Arch. Hydrobiol. Suppl.*, **2**(2): 472–482.
- 1915 Über dänische Chironomiden. *Ent. Meddr.*, **10**(6–7): 280–297.
- 1916 Tendipédides (Chironomides) de Formose conservés au Musée National Hongrois de Budapest. *Annls hist.-nat. Mus. natn. hung.*, **14**: 81–121.
- 1917 Chironomides d'Amérique conservés au Musée National Hongrois de Budapest. *Annls hist.-nat. Mus. natn. hung.*, **15**: 292–364.
- 1918 Chironomides d'Afrique et d'Asie conservés au Musée National Hongrois de Budapest. *Annls hist.-nat. Mus. natn. hung.*, **16**: 31–136.
- 1918 Beschreibung neuer, auf Lazarettsschiffen des östlichen Kriegsschauplatzes und bei Ignalino in Litauen von Dr. Horn gesammelten Chironomiden, mit Uebersichtstabellen einiger Gruppen von paläarktischen Arten. *Ent. Mitt.*, **7**(11/12): 35–188.

- 1919 Chironomides d'Europe conservés au Musée National Hongrois de Budapest. *Annls hist.-nat. Mus. natn. hung.*, **17**: 1-160.
- 1921 Chironomides nouveaux ou peu connus de la région paléarctique. *Bull. Soc. Hist. nat. Moselle*, **29**: 51-109.
- 1921 Sur quelques Diptères piqueurs de la tribu des Ceratopogoninae. *Archs Insts Pasteur Afr. N.*, **1**(1): 107-115.
- 1921 Chironomides de Courlande. *Annls Soc. scient. Brux.*, **40**: 275-298.
- 1921 Nouvelles observations sur les Diptères piqueurs de la tribu des Ceratopogoninae. *Archs Insts Pasteur Afr. N.*, **1**(3): 262-268.
- 1921 Neue Chironomiden aus Mitteleuropa. *Arch. Hydrobiol. Suppl.*, **2**(4): 785-808.
- 1921 Chironomides de l'Afrique équatoriale. *Ann. Soc. ent. Fr.*, **90**: 1-25.
- 1921 Notes synonymiques. *Bull. Soc. ent. Fr.*, **1921**: 7.
- 1922 Étude sur les Chironomides de Formose. *Annls Soc. linn. Lyon*, **68**: 149-163.
- 1922 Nouveaux Chironomides piqueurs habitant le Schleswig-Holstein. *Annls Soc. scient. Brux.*, **41**(2): 230-238.
- 1922 Nouveaux Chironomides à larves aquatiques. *Annls Soc. scient. Brux.*, **41**(3/4): 353-367.
- 1922 Chironomides nouveaux ou peu connus de la région paléarctique. *Annls Soc. scient. Brux.*, **42**(1): 71-128.
- 1922 Observations biologiques sur les Chironomides piqueurs avec descriptions de deux espèces nouvelles. *Archs Insts Pasteur Afr. N.*, **2**(3): 387-392.
- 1922 Nouveaux Chironomides piqueurs habitant l'Algérie. *Archs Insts Pasteur Afr. N.*, **2**(4): 494-518.
- 1923 Ceratopogonines recueillis au Sahara Constantinois. *Archs Inst. Pasteur Algér.*, **1**(4): 654-683.
- 1924 Chironomides piqueurs de Java. *Annls Soc. scient. Brux.*, **43**: 134-143.
- 1924 Quelques Chironomides nouveaux et remarquables du nord de l'Europe. *Annls Soc. scient. Brux.*, **43**: 390-397.
- 1924 Quelques nouveaux Chironomides piqueurs de l'Europe centrale. *Archs Inst. Pasteur Algér.*, **2**(3): 391-408.
- 1924 Chironomides nouveaux ou rares de l'Europe centrale. *Bull. Soc. Hist. nat. Moselle*, **30**: 10-110.
- 1924 Chironomides d'Égypte. *Bull. Soc. ent. Égypte*, **8**: 244-313.
- 1925 Chironomidae. Ceratopogoninae. *Faune de France*, **11**: 1-138.
- 1925 Chironomiden der Hochmoore Nordeuropas und des östlichen Mitteleuropas. *Beitr. Kunde Estl.*, **10**(4/5): 145-163.
- 1925 Deux nouveaux genres des groupes Corynoneura et Bezzia. *Ann. Soc. ent. Fr.*, **94**: 54.
- 1925 Nouveaux genres et nouvelles espèces de Chironomides piqueurs. *Archs Inst. Pasteur Algér.*, **3**(4): 405-430.

- 1927 Weitere Beiträge zur Chironomidenfauna Estlands. *Sber. naturf. Ges. Tartu*, **33**(2): 59–62.
- Kieffer, J. J. and Douwe, C.**
- 1913 Zur Flora und Fauna der Randtümpel von Rovigno (in Istrien). *Biol. Zbl.*, **33**(5): 254–258.
- Kieffer, J. J. and Thienemann, A.**
- 1908 Neue und bekannte Chironomiden und ihre Metamorphose. *Z. wiss. InsektBiol.*, **4**: 1–286.
- 1916 Schwedische Chironomiden. *Arch. Hydrobiol. Suppl.*, **2**(3): 485–554.
- 1919 Chironomiden, gesammelt von Dr. A. Koch auf den Lofoten, der Bäreninsel und Spitzbergen. *Ent. Mitt.*, **8**: 38–48, 110–124.
- Kimura, T.**
- 1975 A new species of the genus *Cerotelion* Rondani (Diptera, Mycetophilidae). *Akitu* (N.S.), **2**: 1–2.
- Kimura, T.** (See SASAKAWA, M. and KIMURA, T.)
- Kinoshita, S.**
- 1918 Studies on a bloodsucking *Culicoides* of Korea. *Zool. Mag.*, **30**(354): 155–160 (In Japanese).
- Kitamura, Y.** (See YAMASHITA, J., KITAMURA, Y. and NAKAMURA, R.)
- Kitaoka, S.**
- 1980 Six new species and males of some species of Japanese *Culicoides*. *Natn. Inst. Anim. Hlth. Q.*, **20**(1): 11–22.
- Kitaoka, S.** (See WADA, Y. and KITAOKA, S.)
- Knowlton, G. F. and Rowe, J. A.**
- 1934 New bloodsucking flies from Utah (Simuliidae, Diptera). *Ann. ent. Soc. Am.*, **27**: 580–584.
- Knoz, J.**
- 1960 *Simulium novaki* sp. n. (Diptera, Simuliidae), found in the river Jihlava in southern Moravia. *Čas. čsl. Spol. ent.*, **57**(4): 381–387.
- 1961 Příspevek k posnani druhu *Odagmia monticola* (Fried., 1920) (Diptera, Simuliidae) z ČSSR. *Zool. Listy*, **10**(24): 101–116.
- 1961 Dva nove druhy Muchničiek (Simuliidae, Diptera) z ČSSR. *Publs Fac. Sci. Univ. Purkyně*, No. **426**: 393–414.
- 1963 To studying of black flies (Diptera, Simuliidae) from Vysokiy Jeseník and surrounding of village Mirov. *Sb. faun. Praci ent. Odd. nár. Mus. Praze*, **9**(81): 179–228 (In Russian).
- 1965 To identification of Czechoslovakian black-flies (Diptera, Simuliidae). *Folia Fac. Sci. Nat. Univ. Purk. Brun*, **6**(5): 1–56.
- Kono, H. and Takahasi, H.**
- 1940 A revision of the *Culicoides*-species of Saghalien and Hokkaido. *Insecta matsum.*, **14**(2/3): 69–77.
- 1940 Die Simuliiden von Sachalin und Hokkaido. *Insecta matsum.*, **14**: 79–82.

**Konurbajev, E. O.**

- 1965 Biting midges of the Issyk-kul hollow in Kirghizia. *Ent. Obozr.*, **44**(1): 132–140 (In Russian).

**Kravets, G. A.** (See SMATOV, Z. S. and KRAVETS, G. A.)**Kremer, M.**

- 1966 Contribution à l'étude du genre *Culicoides* Latreille particulièrement en France. *Encycl. ent. A.*, **39**: 1–300.  
 1972 Redescription de *Culicoides imicola*, *C. alticola* et *C. tropicalis* Kieffer sur des exemplaires déterminés par l'auteur. *Bull. Mus. natn. Hist.-nat. Paris*, **44**: 645–655.

**Kremer, M.** (See CALLOT, J. and KREMER, M.)**Kremer, M.** (See CALLOT, J., KREMER, M. and BAILLY-CHOUMARA, H.)**Kremer, M.** (See CALLOT, J., KREMER, M. and BASSET, M.)**Kremer, M.** (See CALLOT, J., KREMER, M. and DEDUIT, J.)**Kremer, M.** (See CALLOT, J., KREMER, M., MOLET, B. and BACH, A.)**Kremer, M.** (See CALLOT, J., KREMER, M. and PARADIS, C.)**Kremer, M.** (See CALLOT, J., KREMER, M., RAULT, B. and BACH, A.)**Kremer, M.** (See CALLOT, J., KREMER, M. and RIOUX, J.-A.)**Kremer, M.** (See CALLOT, J., KREMER, M., RIOUX, J.-A. and DESCOURS, S.)**Kremer, M.** (See CHAKER, E., DELECOLLE, J.-C. and KREMER, M.)**Kremer, M.** (See VARGAS, L. and KREMER, M.)**Kremer, M., Braverman, Y. and Delecolle, J.-C.**

- 1981 Taxonomy of some species of *Culicoides* described by Vimmer (1932) from Palestine, with new synonyms. *Israel J. Ent.*, **15**: 1–11.

**Kremer, M. and Callot, J.**

- 1961 *Culicoides musilator* n. sp. et espèces du groupe *odibilis* nouvelles pour la faune française. *Annls Parasit. hum. comp.*, **34**(4): 689–699.

**Kremer, M., Chaker, E. and Delecolle, J.-C.**

- 1981 Description de *Culicoides pseudolangeroni* n. sp. *Bull. Soc. ent. Fr.*, **86**: 291–297.

**Kremer, M. and Coluzzi, M.**

- 1971 Description de *Culicoides malevillei* n. sp. *Parassitologia*, **13**(3): 415–417.

**Kremer, M. and Dedit, J.**

- 1961 Sur quelques *Culicoides* de Normandie. Description de *Culicoides picturatus* n. sp. *Annls Parasit. hum. comp.*, **36**(4): 700–705.

**Kremer, M., Delecolle, J.-C., Bailly-Choumara, H. and Chaker, E.**

- 1979 Cinquième contribution à l'étude faunistique des *Culicoides* du Maroc. Description de *C. calloti* n. sp. *Cah. ORSTOM, ser. Ent. Med. Parasit.*, **17**(3): 195–199.

**Kremer, M., Hommel, H. and Bailly-Choumara, H.**

- 1971 Troisième contribution à l'étude faunistique des *Culicoides* du Maroc. *Annls Parasit. hum. comp.*, **46**(5): 661–670.

**Kremer, M., Leberre, G. and Beaucornu-Saguez, F.**

- 1971 Notes sur les Culicoides de Corse. Description de *C. corsicus* n. sp. *Annls Parasit. hum. comp.*, **46**(5): 653–660.
- Kremer, M., Rebholtz-Hirtzel, C. and Bailly-Choumara, H.**
- 1975 Quatrième contribution à l'étude faunistique des Culicoides du Maroc. Description de *C. landauae* n. sp. Redescription de *D. faghihi* Navai et d'une forme de *C. subfascipennis* Kieffer. *Cah. ORSTOM, ser. Ent. Med. Parasit.*, **13**(4): 205–214.
- Krivosheina, N. P.**
- 1968 A contribution to the biology and morphology of little studied biting midges of the genus *Forcipomyia* Meigen. *Zool. Zh.*, **47**(4): 578–590 (In Russian).
- Krivosheina, N. P. and Mamaev, B. M.**
- 1967 Определитель личинок двукрылых насекомых — обитателей древесины. Москва: 1–367.
- 1972 Новые данные о реликтовых двукрылых семейства *Pachyneuridae* (Diptera). *Nauch. Dokl. vyssesh Shk., Biol. Nauk.*, **11**: 13–18.
- Krivosheina, N. P. and Remm, H. J.**
- 1974 Новые виды ксилофильных мокрецов из Приморского края. Насекомые — разрушители древесины в лесных биоценозах Южного Приморья. Москва: 116–124.
- Laboulbène, A.**
- 1869 Histoire des métamorphoses du *Ceratopogon Dufouri*. *Annls Soc. ent. Fr.*, (4) **9**: 157–166.
- Lackschewitz, P.**
- 1937 Die Fungivoriden des Ostbaltischen Gebietes. *Arb. NatForschVer. Riga* (N.F.), Heft **21**: 1–47.
- Ladle, M. and Bass, J. A. B.**
- 1975 A new species of *Metacnephia* Crosskey (Diptera, Simuliidae) from the South of England, with notes on its habitat and biology. *Hydrobiologia*, **47**(2): 193–207.
- Laffoon, J. L.**
- 1957 A revision of the Nearctic species of *Fungivora* (Diptera, Mycetophilidae). *Iowa St. Coll. J. Sci.*, **31**(1956): 141–340.
- 1965 Family Mycetophilidae (Fungivoridae). In STONE, A., et al. (eds): *A catalog of the Diptera of America north of Mexico*. Washington: 169–229.
- Landrock, K.**
- 1911 Zwei neue Pilzmücken aus Mähren. *Wien. ent. Ztg*, **30**: 161–167.
- 1912 Zur Monographie der Gattung *Bolitophila* Meig. *Berl. ent. Z.*, **57**: 33–51.
- 1912 Neue oder wenig bekannte Pilzmücken. *Wien. ent. Ztg*, **31**: 175–185.
- 1912 Neue oder seltene Mycetophiliden aus Mähren. *Wien. ent. Ztg*, **31**: 27–39.
- 1912 Das Weibchen von *Phronia Tiefi* Dzied. *Wien. ent. Ztg*, **31**: 253–254.
- 1912 *Exechia tenuicornis* v. d. Wulp und *nigroscutellata* nov. sp. *Wien. ent. Ztg*, **31**: 308–309.



- 1912 Die Pilzmücken Mährens. I. *Z. mähr. Landesmus.*, **12**: 237–322.  
Zwei neue Arten der Fungivoriden-Gattung *Trichonta* Winn. *Z. wiss. InsektBiol.*, **9**(3): 87–90.
- 1913 Die Pilzmücken Mährens. II. *Z. mähr. Landesmus.*, **13**: 1–41.
- 1914 Eine neue Art der Pilzmücken Gattung *Mycetophila* Meig. *Wien. ent. Ztg.*, **33**: 201.
- 1914 Die Pilzmücken Mährens. III. *Z. mähr. Landesmus.*, **14**: 14–93.
- 1916 Neue mährische Arten der Pilzmückengattung *Docosia* Winn. *Z. mähr. Landesmus.*, **15**: 59–66.
- 1917 Die Typen der Pilzmücken der von Roserschen Sammlung in Stuttgart. *Wien. ent. Ztg.*, **36**(1–2): 36–39.
- 1917 Die Pilzmückengattung *Macrocera* Mg. *Wien. ent. Ztg.*, **36**(3–5): 67–102.
- 1918 Tabellen zum Bestimmen europäischer Pilzmücken. I., II. *Wien. ent. Ztg.*, **37**: 55–72 and 107–120.
- 1918 Die Pilzmücken Mährens. IV. *Z. mähr. Landesmus.*, **18**: 17–75.
- 1918 Eine neue *Mycetophila* aus Österreichisch-Schlesien. *Wien. ent. Ztg.*, **37**: 34.
- 1923 Die Pilzmücken Mährens. I. Nachtrag. *Wien. ent. Ztg.*, **40**(5–10): 163–171.
- 1924 Neue *Mycetophiliden* aus den Hochmooren von Estland. *Zool. Anz.*, **58**: 77–81.
- 1925 Neue *Mycetophiliden*. *Natuurh. Maandbl.*, **14**(3): 37–40.
- 1925 Dipterologische Miscellen. *Mycetophilidae*. *Wien. ent. Ztg.*, **42**: 179–182.
- 1925 Holländische *Mycetophiliden*. *Natuurh. Maandbl.*, **14**: 33–37.
- 1926 Die paläarktischen Arten der Gattung *Cordyla* Meig. *Konowia*, **5**: 200–204.
- 1926–8. Fungivoridae. In LINDNER, E. (ed.): *Die Fliegen der palaearktischen Region.*, **2**(1): 1–196.
- 1928 Neue Fungivoriden. *Konowia*, **7**: 238–242.
- 1930 Revision der Siebert'schen Pilzmückensammlung im Deutschen Entomol. Institut Berlin-Dahlem. (Dipt.) *Stettin. ent. Ztg.*, **91**: 252–260.
- 1937 Zur Synonymie der Fungivoriden (Diptera). *Annls Mus. zool. pol.*, **13**: 29–32.
- 1940 Pilzmücken oder Fungivoridae. In DAHL, F. (ed.): *Die Tierwelt Deutschlands*, **38**: 1–166.
- Langeron, M.**
- 1913 *Mycterotypus laurae*. Description d'une variété nouvelle (*M. laurae*, var. *peneti*). *Archs Parasit.*, **16**: 282–301.
- Laštovka, P.**
- 1963 Beitrag zur Kenntnis des europäischen Fungivora Arten aus der Gruppe *vittipes* (Zett.) (Dipt., Fungivoridae). *Čas. čsl. Spol. ent.*, **60**: 312–327.
- 1970 A study on the last instar larvae of some Czechoslovak *Mycetophila* (Diptera, *Mycetophilidae*). *Acta Univ. Carol. Biol.*, **1970**: 137–176.

- 1972 Holarctic species of *Mycetophila ruficollis*-group (Diptera, Mycetophilidae). *Acta ent. bohemoslov.*, **69**: 275–294.
- Laštovka, P. and Kidd, L. N.**
- 1975 Review of the British and notes on other species of the *Mycetophila ruficollis*-group, with the description of a new species (Dipt., Mycetophilidae.). *Entomologist's mon. Mag.*, **110**: 203–214.
- Laštovka, P. and Haenni, J.-P.**
- 1981 Scatopse globulicauda sp. n. from the European Alps, with notes on *S. notata* (Diptera, Scatopsidae). *Acta ent. bohemoslov.*, **78**(5): 340–347.
- Laštovka, P. and Matile, L.**
- 1969 Contribution à la faune de l'Iran. 16. Diptères Mycetophilidae des provinces caspiennes. 2. Genre *Mycetophila*. *Annls Soc. ent. Fr. (N.S.)*, **5**(3): 681–686.
- 1972 Révision des *Diadocidia* Holarctiques (Dipt., Mycetophilidae). *Annls Soc. ent. Fr. (N.S.)*, **8**(1): 205–223.
- 1974 Mycetophilidae (Diptera) de Mongolie. *Acta zool. hung.*, **20**: 93–135.
- Latreille, P. A.**
- 1802 *Histoire naturelle, générale et particulière, des Crustacés et Insectes*. Paris, **3**: 1–467.
- 1804 Tableaux méthodiques d'histoire naturelle, section 3: Tableaux méthodique des Insectes: 129–200. In *Nouveau dictionnaire d'histoire naturelle*, **24**, Paris: 1–238.
- 1805 *Histoire naturelle, générale et particulière des Crustacés et Insectes*. Paris, **14**: 1–432.
- 1809 *Genera crustaceorum et insectorum secundum ordinem naturalem in familias disposita, iconibus exemplisque plurimis explicata*. Paris, **4**: 1–399.
- 1810 *Considérations générales sur l'ordre naturel des animaux composant les classes des Crustacés, des Arachnides et des Insectes; avec un tableau méthodique de leurs genres, disposés en familles*. Paris: 1–444.
- Lee, T.-S.**
- 1974 Description of a new *Culicoides*-species from Inner Mongolia, China. *Acta ent. sin.*, **17**(3): 353–355 (In Chinese).
- 1976 *Ceratopogonidae*. In *The bloodsucking Ceratopogonidae, Simuliidae and Tabanidae of Northern China*: 1–89 (In Chinese).
- 1978 *Biting midges of the China*: 1–24 (In Chinese).
- 1979 Biting midges of Tibet, China. *Acta ent. sin.*, **22**(1): 98–107 (In Chinese).
- 1979 A new species of *Culicoides* from Tibet, China. *Entomotaxonomia*, **1**(1): 33–34 (In Chinese).
- Lehmann, J. G. G.**
- 1822 *Zoologicarum praesertim in faunam Hamburgensem observationum pugillus primus*. Indivem Scholarum publice privatimque in Hamburgensium Gymnasio Academico. Hamburgi [= Hamburg]: 1–55.
- LeRoux, E. J.** (See CHAN, K. L. and LEROUX, E. J.)

**Lewis, D. J.**

- 1964 Diptera from Nepal. Simuliidae. *Bull. Br. Mus. nat. Hist. (B)*, **15**: 291–294.  
 1973 The Simuliidae (Diptera) of Pakistan. *Bull. ent. Res.*, **62**(3): 453–470.

**Lindner, E.**

- 1930 Thaumaleidae. In LINDNER, E. (ed.): *Die Fliegen der palaearktischen Region*, **2**(1): 1–16.  
 1943 Neue Dipteren aus dem Gebiet der Alpen. *Mitt. münch. ent. Ges.*, **33**: 214–217.

**Linnaeus, C.**

- 1758 *Systema naturae, per regna tria naturae, secundum classes, ordines, genera, species, cum characteribus, differentiis, synonymis, loci*. Ed 10. Holmiae [= Stockholm]; **1**: 1–824.  
 1761 *Fauna sveciae sistens animalia Sveciae regni*. Stockholmia [= Stockholm]: 1–578.  
 1767 *Systema naturae per regna tria naturae*. Ed. 12, **1**(2): 533–1327.

**Lioy, P.**

- 1863– I ditteri distribuiti secondo un nuovo metodo di classificazione naturale.  
 1864 *Atti Ist. veneto Sci.*, (3) **9**: 187–236.

**Lipparoni, L.** (See RIVOSECCHI, L. and LIPPARONI, L.)**Lisetsky, A. S.** (See SHEVCHENKO, A. K. and LISETSKY, A. S.)**Loew, H.**

- 1840 Bemerkungen über die in der Posener Gegend einheimischen Arten mehrerer Zweiflügler Gattungen. *Programm K. Realschule zu Meseritz*, **1840**: 1–40.  
 1840 Ueber die im Grossherzogthum Posen aufgefundenen Zweiflügler. *Isis*, **1840**(VII+VIII): 512–584.  
 1847 Ueber einige der vom Oberlehrer Ruthe in Oken's Isis für 1831 mitgetheilten dipterologische Bemerkungen. *Stettin. ent. Ztg*, **8**: 66–71.  
 1847 Dipterologisches. *Stettin. ent. Ztg*, **8**: 368–376.  
 1850 Ueber den Bernstein und die Bernsteinfauna. *Programm K. Realschule zu Meseritz*, **1850**: 1–44.  
 1856 Neue Beiträge zur Kenntnis der Dipteren. Vierter Beitrag. *Programm K. Realschule zu Meseritz*, **1856**: 1–56.  
 1864 Über die in der zweiten Hälfte des Juli 1864 auf der Ziegelwiese bei Halle beobachteten Dipteren. *Z. ges. Naturw.*, **24**(11): 377–396.  
 1869 Ueber Dipteren der Augsburger Umgegend. *Ber. naturhist. Ver. Augsburg*, **20**: 39–59.  
 1869 Diptera Americae septentrionalis indigena. Centuria nona. *Berl. ent. Z.*, **13**: 129–186.  
 1869 *Beschreibungen europäischer Dipteren. Systematische Beschreibung der bekannten europäischen zweiflügeligen Insekten. Von Johann Wilhelm Meigen*. Halle, **1**: XVI+1–310.

- 1870 Ueber die bisher auf der Galizischen Seite des Tatragebirges beobachteten Dipteren. *Jbr. geol. Ges. Krakau*, **41**: 1–18.
- 1871 *Beschreibungen europäischer Dipteren. Systematische Beschreibung der bekannten europäischen zweiflügeligen Insekten. Von Johann Wilhelm Meigen.* Halle, **2**: VIII + 1–319.
- 1873 Diptera nova, in Pannonia inferiori et in confinibus Daciae regionibus a Ferd. Kowarzio capta. *Berl. ent. Z.*, **17**: 33–52.

**Lugger, O.**

- 1897 Buffalo gnats, black flies. *Bull. Minn. agric. Exp. Stn.*, **48**: 198–208.

**Lundbeck, W.**

- 1898 Diptera groenlandica. *Vidensk. Meddr dansk naturh. Foren.*, **1898**: 236–314.

**Lundström, C.**

- 1906 Beiträge zur Kenntnis der Dipteren Finnland. 1. Mycetophilidae. *Acta Soc. Fauna Flora fenn.*, **29**(1): 1–50.
- 1909 Beiträge zur Kenntnis der Dipteren Finnlands. IV. Supplement. Mycetophilidae. *Acta Soc. Fauna Flora fenn.*, **32**(2): 1–63.
- 1910 Beiträge zur Kenntnis Dipteren Finnlands VI. Chironomidae. *Acta Soc. Fauna Flora fenn.*, **33**(10): 1–47.
- 1911 Beiträge zur Kenntnis der Dipteren Finnlands. VII. Melusinidae (Simuliidae). *Acta Soc. Fauna Flora fenn.*, **34**: 1–24.
- 1911 Neue oder wenig bekannte europäische Mycetophiliden. *Annls hist.-nat. Mus. natn. hung.*, **9**: 390–419.
- 1912 Neue oder wenig bekannte europäische Mycetophilidae II. *Annls hist.-nat. Mus. natn. hung.*, **10**: 514–522.
- 1912 Beiträge zur Kenntnis der Dipteren Finnlands. VIII, Supplement 2. Mycetophilidae etc. *Acta Soc. Fauna Flora fenn.*, **36**(1): 1–39.
- 1913 Eine neue Art der Mückengattung Exechia. *Meddn Soc. Fauna Flora fenn.*, **39**: 104–106.
- 1913 Neue oder wenig bekannte europäische Mycetophiliden. III. *Annls hist.-nat. Mus. natn. hung.*, **11**: 305–322.
- 1914 Beiträge zur Kenntnis der Dipteren Finnlands. IX, Supplement 3. Mycetophilidae. *Acta Soc. Fauna Flora fenn.*, **39**(3): 1–26.
- 1915 Diptera Nematocera aus den arktischen Gegenden Sibiriens. *Mém. Acad. Sci. St.-Pétersb., Cl. phys.-math.*, (8) **29**(8): 1–33.
- 1916 Neue oder wenig bekannte europäische Mycetophiliden. IV. *Annls hist.-nat. Mus. natn. hung.*, **14**: 72–80.
- 1916 Beiträge zur Kenntnis der Dipteren Finnlands. X, Supplement 4. *Acta Soc. Fauna Flora fenn.*, **44**(2): 1–26.
- 1916 Dipteren aus Sarekgebiet. Diptera Nematocera. *Naturw. Unters. Sarekgebirges in Schwedisch Lappland*, **4**(6): 666–680.

**Lundström, C. and Frey, R.**

- 1913 Beitrag zur Kenntnis der Dipterenfauna des nördlichen europäischen Russlands. *Acta Soc. Fauna Flora fenn.*, **37**(10): 3–5.

**Macfie, J. W. S.**

- 1924 On some Egyptian Ceratopogoninae. *Bull. ent. Res.*, **15**(1): 61-67.  
 1926 Ceratopogoninae from Dar-es-Salaam. *Bull. ent. Res.*, **16**(4): 355-357.  
 1932 Some new or little known Ceratopogonidae. *Ann. Mag. nat. Hist.*, (10) **9**: 485-499.  
 1932 Ceratopogonidae from the wings of dragonflies. *Tijdschr. Ent.*, **75**(3-4): 265-283.  
 1933 A new species of Culicoides from Palestine. *Ann. trop. Med. Parasit.*, **27**(1): 79-81.  
 1934 Report on a collection of Ceratopogonidae from Malaya. *Ann. trop. Med. Parasit.*, **28**(2-3): 177-194, and 279-293.  
 1934 Fauna sumatrensis. Bijdrage No 75. Ceratopogonidae. *Tijdschr. Ent.*, **77**: 202-231.  
 1934 A new British Forcipomyia. *Entomologist's mon. Mag.*, **70**: 144-145.  
 1936 Two new species of Ceratopogonidae from wings of dragonflies. *Proc. R. ent. Soc. Lond. (B)*, **5**(3): 62-64.  
 1940 The genera of Ceratopogonidae. *Ann. trop. Med. Parasit.*, **34**: 13-30.  
 1943 Ceratopogonidae from Egypt. *Proc. R. ent. Soc. Lond. (B)*, **12**: 145-159.  
 1944 A new species of Homobezzia from Egypt. *Proc. R. ent. Soc. Lond. (B)*, **13**(11-12): 125-126.

**Macquart, J.**

- 1826 Insectes Diptères du nord de la France. Tipulaires. *Mém. Soc. Sci. Agric. Lille*, **1823-1824**: 59-224.  
 1834 *Histoire naturelle des Insectes. Diptères*, Paris., **1**: 1-578.  
 1838 Diptères exotiques nouveaux ou peu connus. *Mém. Soc. Sci. Agric. Lille*, **1838** and *Dipt. exot.*, **1**: 84.

**Madwar, S.**

- 1937 Biology and morphology of the immature stages of Mycetophilidae (Diptera, Nematocera). *Phil. Trans. R. Soc., B*, **227**: 1-110.

**Malloch, J. R.**

- 1914 American black flies and buffalo gnats. *U.S. Dep-Agr. Bur. Ent., techn. Ser.*, **26**: 1-72.  
 1915 The Chironomidae, or midges, of Illinois, with particular reference to the species occurring in the Illinois River. *Bull. Ill. St. Lab. nat. Hist.*, **10**(6): 275-543.  
 1928 Notes on Australian Diptera. No XVII. *Proc. Linn. Soc. N.S.W.*, **53**(5) (No 219): 651-662.

**Mansbridge, G. H.**

- 1933 On the biology of some Ceroplatinae and Macrocerinae. *Trans. R. ent. Soc. Lond.*, **81**: 79-90.

**Marshall, P.**

- 1896 New Zealand Diptera, No. 2. Mycetophilidae. *Trans. Proc. N.Z. Inst.*, **28**: 250-309.

**Martinez Palacios, A.** (See VARGAS, L., MARTINEZ PALACIOS, A. and DIAZ NAJERA, A.)

**Martinovský, J. and Rozkošný, R.**

- 1976 Four new species of Thaumaleidae (Diptera) from Europe with taxonomic and distributional notes on other species. *Acta ent. bohemoslov.*, **73**: 187–205.

**Matile, L.**

- 1962 *Rhymosia rustica* Edwards, Diptère Mycetophilide nouveau pour la faune française. *Revue fr. Ent.*, **29**: 306–312.
- 1963 Un Diptère Mycetophilide nouveau. *Bull. Soc. ent. Fr.*, **68**: 40–44.
- 1963 Un nouveau Mycetophilidae pour la faune de France (Diptera, Nematocera). *Revue fr. Ent.*, **30**: 141–143.
- 1963 Deux nouveaux Mycetophilides du genre *Rhymosia* de France (Diptera, Nematocera). *Revue fr. Ent.*, **30**: 190–192.
- 1967 Note sur les Mycetophilidae de la région pyrénéenne et description de quatre espèces nouvelles (Dipt., Nematocera). *Bull. Soc. ent. Fr.*, **72**: 121–126, and 208–217.
- 1969 Contribution à la faune de l'Iran. 14. Diptères Mycetophilidae des provinces Caspiennes. *Annls Soc. ent. Fr.*, (N.S.), **5**(1): 239–250.
- 1969 Additions à la faune de France des Diptères Mycetophilidae. *Entomologiste*, **25**(4): 61–66.
- 1970 Diptères Mycetophilidae du Cameroun et République Centrafricaine. I. Keroplatinae. *Bull. Inst. fr. Afr. noire*, **32**(A)(3): 773–816.
- 1971 Notes sur les Mycetophilidae (Diptera) de la faune de France, I. Le genre *Allodiopsis*. *Entomologiste*, **27**(3): 64–70.
- 1972 Diptères Mycetophilidae du Cameroun et de République Centrafricaine. II. Manotinae. *Bull. Inst. fr. Afr. noire*, **34**(A): 91–97.
- 1972 Keroplatinae des Iles de l'Océan Indien Occidental (Diptera, Mycetophilidae). *Cah. ORSTOM, sér. Biol.*, **16**: 105–123.
- 1972 Notes sur les Mycetophilidae (Diptera) de la faune de France. II. Deux nouvelles espèces du genre *Mycomyia*. *Entomologiste*, **28**(3): 74–78.
- 1973 Diptères Mycetophilidae du Cameroun et République Centrafricaine. IV. Keroplatinae (2<sup>e</sup> note). *Bull. Inst. fr. Afr. noire*, **35**(A)(4): 59–97.
- 1974 A new species of *Asindulum* from Israel (Diptera, Mycetophilidae). *Israel J. Ent.*, **9**: 73–75.
- 1974 Diptera: Mycetophilidae, Keroplatinae. *S. Afr. anim. life*, **14**: 511–532.
- 1974 Notes sur les Mycetophilidae (Diptera) de la faune de France. III. Le genre *Neuratelia*. *Entomologiste*, **30**: 26–34.
- 1975 Découverte du genre *Baeopterygyna* en région paléarctique; description d'une espèce nouvelle de Hongrie (Diptera, Mycetophilidae). *Cah. Nat. Bull. N. P.*, **29**(1973): 87–88.
- 1975 Révision des *Asindulum* et des *Macrorrhyncha* de la région paléarctique (Dipt., Mycetophilidae). *Annls Soc. ent. Fr. (N.S.)*, **11**(3)(1976): 491–515.

- 1975 Révision des Palytupa de la région Ethiopienne (Diptera, Mycetophilidae). *Annls Soc. ent. Fr. (N.S.)*, **11**(1): 173–220.
- 1976 Notes sur les Mycetophilidae (Diptera) de la faune de France. IV. Le genre Bolitophila 1: sous-genre Bolitophila s. str. (1<sup>re</sup> partie). *Entomologiste*, **32**(6): 235–244; **33**(1): 17–22.
- 1977 Révision des Keroplatinae du genre Antlemon (Dipt., Mycetophilidae). *Annls Soc. ent. Fr. (N.S.)*, **13**(4): 639–649.
- 1977 Catalogue provisoire de Diptères Mycetophilidae de la faune de France. *Bull. Mus. nat.*, (3), 456, *Zool.*, **319**: 621–655.
- 1977 Contribution à la faune de l'Iran 25. Diptères Mycetophilides des provinces Caspiennes. 3. Complement. *Annls Soc. ent. Fr. (N.S.)*, **13**: 139–143.
- 1978 Description d'un Neoclastobasis nouveau de Hongrie et remarques sur divers Leiini (Diptera, Mycetophilidae). *Folia ent. hung. (N.S.)*, **31**: 167–172.
- 1980 Superfamily Mycetophiloidea. 15. Family Mycetophilidae. In CROSSKEY, R. W. (ed.): *Catalogue of the Diptera of the Afrotropical region*, London: 216–230.
- 1981 Description d'un Keroplatidae du crétacé moyen et données morphologiques et taxonomiques sur les Mycetophiloidea (Diptera). *Annls Soc. ent. Fr.*, **17**(1): 99–123.
- Matile, L.** (See LAŠTOVKA, P. and MATILE, L.)
- Matile, L.** (See VÄISÄNEN, R. and MATILE, L.)
- Matile, L. and Burghiele-Balacesco, A.**
- 1969 Note sur les genres Keroplatus et Cerotelion et description de Cerotelion racovitzai n. sp. (Dipt., Mycetophilidae). *Bull. Soc. ent. Fr.*, **74**(3–4): 82–86.
- Matschavariani, N. A.**
- 1966 New species of black flies (Diptera, Simuliidae) from Georgia. Материалы к фауне Грузии. *Akad. Nauk. georg. SSR, Inst. Zool.*, **1**: 193–196 (In Russian).
- Matsumura, S.**
- 1911 Erster Beitrag zur Insekten-Fauna von Sachalin. *J. Coll. Agric. Tohoku imp. Univ. Sapporo*, **4**(1): 60–62.
- 1915 *Konchu Bunruigaku* (Systematic entomology), **2**: 55.
- 1916 *Thousand insects of Japan*. Additamenta **2** (Diptera). Tokyo: 185–473 (In Japanese).
- 1921 Family Simuliidae. *Dai Nippon Gaichu Zensho*, **2**: 83–85 (In Japanese).
- 1931 *6000 Illustrated Insects of Japan-Empire*: 1–1497.
- Mayer, H.**
- 1950 Zwei neue Fungivoriden (Diptera, Nematocera) aus der Sammlung des Naturhistorischen Museum Wien. *Annln naturh. Mus. Wien*, **57**(1949–1950): 281–283.

- 1951 Neue Fungivoridae (Diptera, Nematocera) aus der Sammlung des Naturhistorischen Museums in Wien. *Annln naturh. Mus. Wien*, **58**: 127–136.
- Mayer, K.**
- 1934 Ceratopogoniden aus der Neumark. *Stettin. ent. Ztg*, **95**(2): 290–294.
- 1934 Forcipomyia (Lasiohelea) chrysopae n. sp. und Forcipomyia crudelis Karsch, zwei Blutsauger an Insekten. *Arb. morph. taxon. Ent. Berl.*, **1**(4): 259–260.
- 1937 Beitrag zur Kenntnis der deutschen Ceratopogoniden. IX. *Stettin. ent. Ztg*, **98**(2): 301–304.
- 1940 Zwei neue Arten der Gattung Helea aus Lappland. *Zool. Anz.*, **129**(5–6): 162–165.
- 1955 Beitrag zur Ökologie und Morphologie afrikanischer Heleiden. *Arch. Hydrobiol.*, **51**(1): 98–117.
- 1959 Zwei Dasyhelea Arten aus spanischen Salzgärten. *Dt. ent. Z.*, **6**(1–3): 96–99.
- Meigen, J. W.**
- 1800 *Nouvelle classification des mouches à deux ailes (Diptera L.) d'après un plan tout nouveau*. Paris: 1–40.
- 1803 Versuch einer neuen Gattungseintheilung der europäischen zweiflügeligen Insekten. *Mag. Insektenk.*, **2**: 259–281.
- 1804 *Klassifikation und Beschreibung der europäischen zweiflügeligen Insekten (Diptera Linn.)*, Braunschweig [= Brunswick]: **1**(1): 1–152.
- 1818 *Systematische Beschreibung der bekannten europäischen zweiflügeligen Insekten*. Aachen, **1**: XXXVI + 1–333.
- 1830 *Systematische Beschreibung der bekannten europäischen zweiflügeligen Insekten*. Hamm, **6**: XI + 1–401.
- 1838 *Systematische Beschreibung der bekannten europäischen zweiflügeligen Insekten. Suppl.* Hamm, **7**: XIII + 1–434.
- Meijere, J. C. H. de**
- 1907 Studien über südostasiatischen Dipteren. I. *Tijdschr. Ent.*, **50**: 196–264.
- 1946 Zevende Supplement op de Nieuwe Naamlijst van Nederlandsche Diptera van 1898. *Tijdschr. Ent.*, **87**(1944): 1–25.
- Messersmith, D. H.** (See WIRTH, W. W. and MESSERSMITH, D. H.)
- Meunier, F.**
- 1904 Monographie des Cecidomyiidae, des Sciaridae, des Mycetophilidae et des Chironomidae de l'Ambre de la Baltique. *Annls Soc. scient. Brux.*, **28**(2): 12–275.
- Mik, J.**
- 1864 Dipterologische Beiträge. *Verh. zool.-bot. Ges. Wien*, **14**: 785–798.
- 1874 Beitrag zur Dipteren-Fauna Oesterreich's. *Verh. zool.-bot. Ges. Wien*, **24**: 329–354.
- 1880 Dipterologische Mittheilungen. *Verh. zool.-bot. Ges. Wien*, **30**: 587–610.



- 1884 Nachträge zur Schiner's "Fauna Austriaca (Diptera)". *Wien. ent. Ztg.*, **3**: 201–206.
- 1884 Fünf neue österreichische Dipteren. *Verh. zool.-bot. Ges. Wien*, **33**: 251–262.
- 1886 Dipterologische Miscellen. I., II., III. *Wien. ent. Ztg.*, **5**: 101–102; 276–279; 317–318.
- 1888 Zur Biologie von *Ceratopogon* Meig., nebst Beschreibung einer neuer Art dieser Gattung. *Wien. ent. Ztg.*, **7**: 183–192.
- 1888 Vorläufige Diagnose einer neuen Dipteren-Art. *Wien. ent. Ztg.*, **7**: 243.
- 1891 Dipterologische Miscellen. XVII. *Wien. ent. Ztg.*, **10**: 5.
- 1898 Dipterologische Miscellen. *Wien. ent. Ztg.*, **17**: 60–66.
- Mikolajczyk, W.**
- 1965 *Brachypeza obscura* Winn.—a rare, new to the Polish Fauna, species of Fungivoridae (Diptera). *Bull. Acad. Polonaise Sci. Cl. II. (ser. Sci. Biol.)*, **13**: 91–94.
- 1967 Mycetophilidae (Diptera) doliny Nidy. *Fragm. faun. (Warszawa)*, **14**: 17–43.
- 1971 Materiały do znajomości bedliskowatych (Diptera, Mycetophilidae) Bieszczadów. *Fragm. faun. (Warszawa)*, **17**: 367–394. [Materialen zur Kenntnis der Pilzmücken (Diptera, Mycetophilidae) vom Bieszczady-Gebirge (German summary).]
- Mirzajeva, A. G.**
- 1964 On the fauna of bloodsucking midges from West Siberia. *Ent. Obozr.*, **43**(1): 218–223 (In Russian).
- 1965 К систематике мокрецов группы *obsoletus*. Новые и малоизвестные виды фауны Сибири: 21–28.
- 1971 New and little-known species of midges of the genus *Culicoides* from Siberia. *Parazitologiya*, **5**(1): 33–39 (In Russian).
- 1974 A new species of midges, *Culicoides gluchovae*, sp. n. from Transbaikalia. *Parazitologiya*, **5**(1): 33–39 (In Russian).
- Molotova, L. A.**
- 1966 *Culicoides transcaspicus*, sp. n., a mass bloodsucker from Turkmenia. *Ent. Obozr.*, **45**(3): 654–657 (In Russian).
- 1967 New data on biting midges of the *Leptoconops* genus of Turkmenia (with description of a new species). *Zool. Zh.*, **46**(4): 626–628 (In Russian).
- Munroe, D. D.**
- 1974 The systematics, phylogeny and zoogeography of *Symmerus* Walk. and *Australosymmerus* Freeman (Diptera, Mycetophilidae). *Mem. ent. Soc. Can.*, **92**: 1–183.
- Murachi, E. K.** (See TOKUNAGA, M. and MURACHI, E. K.)
- Nakamura, R.** (See YAMASHITA, J., KITAMURA, Y. and NAKAMURA, R.)
- Nasarmuchamedov, N. A.** (See REMM, H. and NASARMUCHAMEDOV, N. A.)
- Navai, S.**

- 1971 Culicoides from southern part of Lut Desert, Iran with two new species. *Mosquito News*, **31**(2): 199–206.
- 1973 Culicoides from the Persian Gulf area of Iran. Part I. Two new species *C. mesghalii* and *C. shahgudiani*. *Bull. Soc. Path. exot.*, **66**(1): 195–204.
- Neveu, A.**
- 1977 Deux espèces nouvelles de *Neostilobezzia* Gtgh. de l'ouest des Pyrénées. *Nouv. Revue Ent.*, **7**(2): 225–234.
- 1978 Une nouvelle espèce d'*Alluaudomyia* de l'ouest des Pyrénées: *Alluaudomyia tiberghieni* n. sp. *Nouv. Revue Ent.*, **8**(3): 355–358.
- Newman, E.**
- 1834 Attempted division of British insects into natural orders. *Ent. Mag.*, **2**: 379–431.
- Nielsen, A.**
- 1951 Contribution to the metamorphosis and biology of the genus *Atrichopogon* Kieffer. *K. danske Vidensk. Selks. Skr.*, **6**(6): 1–95.
- Nielsen, P.**
- 1966 Mycetophilidae from Madeira and the Azores with description of three species new to science. *Bolm Mus. munic. Funchal*, **20**: 87–94.
- Noè, G.**
- 1905 Un nuovo genere appartenente alla famiglia Chironomidae. *Atti Accad. naz. Lincei Rc.*, **14**: 114–120.
- 1907 Due nuove specie di ditteri appartenenti ad un genere nuovo. *Archo. zool. ital. Napoli*, **3**(2): 101–164.
- Novak, V.**
- 1956 Příspevek k poznání muchniček (Simuliidae, Diptera) ČSSR. *Věst, čsl. Spol. zool.*, **20**(3): 224–248.
- 1959 Další nova muchnička podceledi Gymnopauidinae z ČSSR, *Twinnia tatrensis* (Diptera, Simuliidae). *Čas. čsl. Spol. ent.*, **54**(4): 364–367.
- Odintsov, V. S.**
- 1961 Materials on fauna and biology of bloodsucking black flies (Diptera, Simuliidae) of the Riv. Klyazma Basin. *Ent. Obozr.*, **40**(2): 339–350 (In Russian).
- Ogata, K.**
- 1956 Notes on the flavism of *Prosimulium yesoense* Shiraki. *Jap. J. sanit. Zool.*, **7**(2): 102–103 (In Japanese).
- Ogata, K. and Sasa, M.**
- 1954 Taxonomic notes on Simuliidae or black flies of Japan, with special references on the subgenera *Eusimulium* Roubaud and *Nevermannia* Enderlein (Diptera). *Jap. J. exp. Med.*, **24**(5): 325–333 (In Japanese).
- Oka, H. and Asahina, S.**
- 1948 *Pterobosca* from Japan and her adjacent territories. *Mushi*, **18**: 107–113.
- Okada, I.**
- 1934 Beitrag zur Kenntnis der Fungivoriden-Fauna Japans. I. *Insecta matsum.*, **9**(1–2): 12–16.

- 1936 Einige Nematoceren aus den Süd-Kurilen (Diptera). *Insecta matsum.*, **10**: 99–103.
- 1936 Beitrag zur Kenntnis der Fungivoriden-Fauna Japans, II. Diadocidiinae (Dipt.). *Insecta matsum.*, **11**(1–2): 21–24.
- 1936 Beitrag zur Kenntnis der Fungivoridenfauna Japans, 3. Ditomyiinae (Dipt.). *Insecta matsum.*, **11**: 56–60.
- 1937 Beitrag zur Kenntnis der Fungivoridenfauna Japans. IV. Macrocerinae (Dipt.). *Insecta matsum.*, **12**(1): 19–27.
- 1937 Beitrag zur Kenntnis der Fungivoridenfauna Japans, V: Lygistorrhiniinae (Dipt.). *Insecta matsum.*, **12**: 45–48.
- 1937 Einige Fungivoriden aus Kiushiu (Dipt., Fungivoridae). *Mushi*, **9**: 73–80 (In Japanese).
- 1937 Nachtrag zu den Nematoceren von den Kurilen (Diptera). *Trans. Sapporo nat. Hist. Soc.*, **15**(1): 33–39.
- 1938 Einige Fungivoriden vom Daisetsu-Gebirge in Hokkaido (Dipt., Nematocera). *Insecta matsum.*, **12**: 91–98.
- 1938 Mitteilungen über einige Nematoceren aus der Mandchurei (Diptera). *Insecta matsum.*, **12**: 136–142.
- 1938 Beitrag zur Kenntnis der Ceroplatinen-Fauna Japans. (Dipt., Fungivoridae). *Insecta matsum.*, **13**(1): 17–32.
- 1938 Die von Herrn K. Takeuchi aus Japan gesammelten Nematoceren. *Tenthredo*, **2**(1): 33–48.
- 1939 Studien über die Pilzmücken (Fungivoridae) aus Hokkaido (Diptera, Nematocera). *J. Fac. Agric. Hokkaido (imp.) Univ.*, **42**(4): 267–336.
- 1940 Die Fungivoriden-Fauna von Honshu (Diptera, Nematocera). *Tenthredo*, **3**: 24–44.
- Okada, T.**
- 1938 Two new species of Thaumaleidae, an unrecorded family of Diptera, Nematocera from Japan. *Annotes zool. jap.*, **17**: 388–394.
- 1941 Biting midges collected from the northeastern district of Honshu, Japan. *J. Coll. Agric. Imp. Univ. Tokyo*, **15**(1): 13–31.
- Okamoto, M.**
- 1958 On *Simulium* (*Boophthora*) *yonagoense* n. sp. *Jap. J. sanit. Zool.*, **9**(1): 39–45.
- Okamoto, M., Yoshida, Y., Sato, A. and Shogaki, Y.**
- 1958 On *Simulium* (*Eusimulium*) *kobayashii* n. sp. *Jap. J. sanit. Zool.*, **9**(3): 183–186.
- Okazawa, T.** (See UEMOTO, K. and OKAZAWA, T.)
- Okazawa, T.** (See UEMOTO, K., OKAZAWA, T. and ONISHI, O.)
- Onishi, O.** (See UEMOTO, K., OKAZAWA, T. and ONISHI, O.)
- Onishi, O.** (See UEMOTO, K., ONISHI, O. and ORII, T.)
- Ono, H.**
- 1976 Description of *Prosimulium sarurensis* n. sp. from Japan (Diptera, Simuliidae). *Jap. J. sanit. Zool.*, **27**(3): 217–222.

- 1977 Description of *Boophthora yonagoense makunbei* n. ssp. from Hokkaido (Diptera, Simuliidae). *Jap. J. sanit. Zool.*, **28**(2): 186–192.
- 1977 Description of *Stegopterna nukabirana* n. sp. from Japan (Diptera, Simuliidae). *Jap. J. sanit. Zool.*, **28**(3): 257–262.
- 1977 Description of *Prosimulium apoina* n. sp. from Japan (Diptera, Simuliidae). *Res. Bull. Obihiro Univ.*, **10**: 749–757.
- 1977 Description of *Twinnia cannibora* n. sp. from Japan (Diptera, Simuliidae). *Res. Bull. Obihiro Univ.*, **10**: 759–768.
- 1977 Description of *Simulium tobetsuensis* n. sp. from Japan (Diptera, Simuliidae). *Jap. J. sanit. Zool.*, **28**(3): 263–271.
- 1978 Description of a new *Odagmia*-species, *Odagmia nishijimai* n. sp. (Diptera, Simuliidae) from Japan. *Kontyû*, **46**(1): 43–51.
- 1978 Description of *Gnus fulvipes* n. sp. from Japan (Diptera, Simuliidae). *Jap. J. sanit. Zool.*, **29**(4): 299–304.
- 1978 Description of the two new species of the genus *Cnetha* from Japan (Diptera, Simuliidae). *Res. Bull. Obihiro Univ.*, **10**: 893–909.
- 1979 A new species of the genus *Cnetha* from Hokkaido, Japan, with redescription of *Cnetha konoi* (Takahasi, 1950) (Diptera, Simuliidae). *Jap. J. sanit. Zool.*, **30**(3): 243–254.
- 1980 The Simuliidae of Hokkaido. II. A new species of the genus *Prosimulium* from Hokkaido, Japan, with redescription of *Prosimulium yezoense* Shiraki, 1935 (Diptera, Simuliidae). *Jap. J. sanit. Zool.*, **31**(3): 181–191.
- 1980 Some new species of black-flies (Diptera, Simuliidae) from Hokkaido, Japan. *Kontyû*, **48**(3): 333–361.
- Orii, T.** (See УЕМОТО, К., ОНИШИ, О. and ОРИИ, Т.)
- Országh, I.**
- 1969 New species of genus *Culicoides* Latreille, 1809. *Annotnes zool.-bot. Bratisl.*, **59**: 1–9.
- 1976 Die Gattung *Culicoides* Latr., 1809 in Slowakei. *Acta Fac. Rerum nat. Univ. Comen. Zool.*, **21**: 1–89.
- Osten Sacken, C. R.**
- 1878 Catalogue of the described Diptera of North America. *Smithson. misc. Collns*, **16**(2): 1–276.
- Ostroverkhova, G. P.** (OSTROVERCHOVA, G. P.)
- 1970 Новые виды грибных комариков рода *Boletina* Stg. (Fungivoridae) из Сибири. Новые и малоизвестные виды фауны Сибири, Novosibirsk 3(1970): 107–110.
- 1970 New data on the fauna of fungus-gnats (Diptera, Mycetophilidae) from Siberia. *Ent. Obozr.*, **49**: 452–458 (In Russian).
- 1971 Новые и малоизвестные виды грибных комаров (Diptera, Fungivoroidea) из Красноярского заповедник Столбы. *Trudy Gosudarstvennogo zapovednik Stolby*. Krasnojarsk, **8**: 91–99.
- 1974 Новые виды грибных комаров (Diptera, Fungivoroidea) из Сибири. *Trudy nauchno-issled. inst. biol. biofiz. Tomsk*, **3**: 38–46.

- 1977 Новые и малоизвестные виды грибных комаров (Diptera, Mucetophiloidea) севера Томской области. *Trudy nauchno-issled. inst. biol. biofiz. Tomsk*, **8**: 23–27.
- 1977 Новые и малоизвестные виды мицетофилидных комаров (Diptera, Mucetophiloidea) Дальнего Востока. *Trudy nauchno-issled. inst. biol. biofiz. Tomsk*, **8**: 27–35.
- 1977 Мицетофилоидные комары (Diptera, Mucetophiloidea) Тшеицкого района Красноярского края. *Vop. biol.*, **1977**: 19–24.
- 1979 Новый вид мицетофилоидного комара рода *Trichonta* Winn. (Diptera, Mucetophiloidea) из Сибири. *Tr. vses. ent. o-va*, **61**: 183–185.
- 1979 *Fungus-gnats (Diptera, Mucetophiloidea) of Siberia*. Tomsk: 1–308 (In Russian).
- 1980 Новые виды мисетофилоидных комаров (Diptera, Mucetophiloidea) из Сибири. *Новые данные о природе Сибири*. Tomsk, **1980**: 74–78.
- Ostroverkhova, G. P. and Grishina, E. M.**
- 1974 Новые и малоизвестные виды грибных комаров (Diptera, Fungivogoidea) севера Томской области. *Trudy nauchno-issled. inst. biol. biofiz. Tomsk*, **3**: 38–46.
- Ostroverkhova, G. P. and Isotov, Iu. A.**
- 1974 Новые данные по фауне комаров мицетофилидной группы (Diptera, Mucetophiloidea) севера Томской области. *Trudy nauchno-issled inst. biol. biofiz. Tomsk*, **4**: 79–89.
- Ostroverkhova, G. P. and Stackelberg, A. A.**
- 1969 Сем. Mucetophilidae. In *Опред. насекомых. европ. части СССР*, **5**: 265–320.
- Ostroverkhova, G. P. and Zaitzeva, N. P.**
- 1979 Мицетофилоидные комары (Diptera, Mucetophiloidea) Тунгусско — Чунского района Красноярского край. *Новые данные о фауне и флоре Сибири, Tomsk*, **1979**: 67–96.
- Ōuchi, Y.**
- 1940 On some march flies from China and Japan with new species description. Diptera Sinica, Bibionidae I. Entomol. Report, No 20 (Seperata Print No 29). *J. Shanghai Sci. Inst.*, (3) **4**: 289–297.
- Pallas, P. S.**
- 1771 *Reise Russe*, **1**: 475.
- Panzer, G. W. F.**
- 1798 *Faunae insectorum germanicae initiae oder Deutschlands Insekten*. Nürnberg. Fasc. **54**: 1–24.
- 1806 *Faunae insectorum germanicae initiae oder Deutschlands Insekten*. Nürnberg. Fasc. **103**: 1–24.
- Papavero, N.**
- 1977 19A. Family Diadocidiidae. In *A Catalogue of the Diptera of the Americas south of the United States*. Sao Paulo: 1–33.

- 1978 19C. Family Keroplatidae (Keroplatidae, incl. Macroceridae). In *A Catalogue of the Diptera of the Americas south of the United States*. Sao Paulo: 1-22.
- 1978 19E Family Mycetophilidae (Fungivoridae). In *A Catalogue of the Diptera of the Americas South of the United States*. Sao Paulo: 1-78.
- Patrusheva, V. D.**
- 1962 Fauna of black flies of the Region of Middle Ob River. *Izv. sib. Otdel. Akad. Nauk SSR*, 3: 94-110 (In Russian).
- 1971 New and rare species of black flies from the group *annulum* Lundstr. (fam. Simuliidae, genus *Eusimulium* Roub.) from the Yamal Peninsula. Новые и малоизвестные виды фауны Сибири, 5: 82-88 (In Russian).
- 1975 A new subspecies *Prosimulium macropyga korshunovi* Patrusheva subsp. n. (Diptera, Simuliidae) from the Polar Ural. *Parazitologiya*, 9(6): 507-514 (In Russian).
- 1975 New species from the genus *Prosimulium* Roub. from the Taymyr Peninsula and Kolyma River Basin. Таксономия и экология членистоногих Сибири, 9: 65-72 (In Russian).
- 1976 New species of black flies from the Yamal and Taymyr Peninsulæ. Новые и малоизвестные виды фауны Сибири, 10: 162-167 (In Russian).
- 1977 A new species of black flies (Diptera, Simuliidae) from the Baktshar Marshes in the Middle Ob River Basin. Таксоны фауны Сибири: 54-56 (In Russian).
- Patton, W. S.**
- 1920 Some notes on the Arthropods of medical and veterinary importance in Mesopotamia, and their relation to disease. Part IV. Some Mesopotamian Nematocera of economic importance. *Indian J. med. Res.*, 8(2): 245-252.
- Pech, J.** (See RIOUX, J. A., DESCOURS, S. and PECH, J.)
- Perris, E.**
- 1839 Notice sur quelques Diptères nouveaux. *Annls Soc. ent. Fr.*, 8: 47-57.
- 1847 Notes pour servir à l'histoire des Ceratopogons. *Annls Soc. ent. Fr.*, (2) 5: 555-569.
- 1849 Notes pour servir à l'histoire des métamorphoses de diverse espèces de Diptères (Première partie). I. Notice sur une larve de *Mycetophila* qui se couvre de ses excréments. *Annls Soc. ent. Fr.*, (2) 7: 51-61.
- 1870 Histoire des Insectes du Pin maritime. Diptères. *Annls Soc. ent. Fr.*, (4) 10: 135-232.
- Peterson, B. V.**
- 1970 The *Prosimulium* of Canada and Alaska (Diptera, Simuliidae). *Mem. ent. Soc. Can.*, 69: 1-216.
- Petrova, N. A.**
- 1977 A new species of black fly *Metacnephia pamiriensis* sp. n. (Simuliidae) from Pamir. *Parazitologiya*, 11(3): 210-212 (In Russian).

- 1983 The new genus and the new species of bloodsucking black fly (Diptera, Simuliidae) from Western Pamir. *Zool. Zh.*, **62**(12): 1911–1915 (In Russian).
- Philippi, R. A.**  
1865 Aufzählung der chilenischen Dipteren. *Verh. zool.-bot. Ges. Wien*, **15**: 595–782.
- Plachter, H.**  
1979 Zur Kenntnis der Präimaginalstadien der Pilzmücken (Diptera, Mycetophiloidea). Teil I: Gespinstbau. *Zool. Jb. Anat.*, **101**: 168–266.  
1979 Zur Kenntnis der Präimaginalstadien der Pilzmücken (Diptera, Mycetophiloidea); Teil II: Eidonomie der Larven. *Zool. Jb. Anat.*, **101**: 271–392.  
1979 Zur Kenntnis der Präimaginalstadien der Pilzmücken (Diptera, Mycetophiloidea); Teil III: Die Puppen. *Zool. Jb. Anat.*, **101**: 427–455.
- Planchon, J. C.**  
1844 *Historie d'une larve aquatique du genre Simulium*: 1–15.
- Plassmann, E.**  
1969 *Die Fungivoriden des Naturschutzparkes Hoher Vogelsberg* (Ein Beitrag zur Biologie, Ökologie und Taxonomie der Fungivoriden, sowie zur Kenntnis der Larven). Inaugural Dissertation, Giessen: 1–163.  
1970 Die Fungivoridentypen im Senckenberg-Museum Frankfurt a. M. mit Beschreibung einer neuen Art. *Senckenberg. biol.*, **51**: 89–95.  
1970 Zur Taxonomie der Fungivoridae (Diptera). *Senckenberg. biol.*, **51**: 393–400.  
1970 Beschreibung des Weibchens und der Larve von *Paralodia czernyi* Landrock (Diptera, Fungivoridae). *Mitt. dt. ent. Ges.*, **29**: 18–20.  
1971 Die Pilzmückengattung *Messala* (Dipt., Fungivoridae). *Ent. Z. Frankf. a. M.*, **81**: 164–173.  
1971 Über die Fungivoriden-Fauna (Diptera) des Naturparkes Hoher Vogelsberg. *Oberhessische naturw. Z.*, **38**: 53–87.  
1972 Zur Kenntnis der beiden mitteleuropäischen *Tetragoneura*-Arten (Mycetophilidae). *Ent. Z. Frankf. a. M.*, **82**: 275–277.  
1972 Zwei Pilzmückenarten (Dipt., Fungivoridae). *Senckenberg. biol.*, **53**: 91–92.  
1972 Morphologisch-taxonomische Untersuchungen an Fungivoridenlarven. *Dt. ent. Z.*, (N. F.), **19**: 73–99.  
1973 Die Pilzmückengattung *Leia* (Dipt., Mycetophilidae). *Senckenberg. biol.*, **54**: 131–140.  
1974 Untersuchungen an Mycetophilidentypen aus der Winnertz'schen Sammlung. *Senckenberg. biol.*, **55**: 353–355.  
1975 *Ectrepesthoneura messaurensis*, eine neue Pilzmücke. *Mitt. dt. ent. Ges.*, **34**: 10–11.  
1975 Revision der europäischen Arten der Pilzmückengattung *Bolitophila* Meigen (Diptera: Mycetophilidae). *Ent. Scand.*, **6**: 145–157.

- 1976 Neue Pilzmücken aus dem Allgäu (Diptera, Mycetophilidae). *NachrBl. bayer. Ent.*, **26**: 11–14.
- 1976 Zwei Pilzmücken aus dem Kaukasus. *Senckenberg. biol.*, **57**: 69–70.
- 1976 Mycetophila sequestra, eine neue Pilzmücke aus Schweden (Diptera: Mycetophila). *Senckenberg. biol.*, **57**: 71–72.
- 1976 Vier neue Mycetophilidae aus der Ökologischen Station Messaure (Schweden). *Senckenberg. biol.*, **57**: 73–76.
- 1977 Zwei neue Mycetophiliden aus Nepal (Diptera: Mycetophilidae). *Senckenberg. biol.*, **58**: 55–56.
- 1977 Drei Mycetophiliden aus dem Allgäu (Insecta: Diptera: Mycetophilidae). *Senckenberg. biol.*, **57**: 285–287.
- 1977 Drei weitere neue Mycetophilidenarten aus dem Allgäu (Diptera: Mycetophilidae). *NachrBl. bayer. Ent.*, **26**: 30–31.
- 1977 Revision der europäischen Arten der Pilzmückengattung Phronia (Diptera: Mycetophilidae). *Dt. ent. Z. (N.F.)*, **24**: 305–344.
- 1978 Neue Pilzmücken aus Schweden und Bulgarien (Insecta: Diptera: Mycetophilidae). *Senckenberg. biol.*, **59**: 205–214.
- 1980 Revision der paläarktischen Arten der Pilzmücken-Gattung Ectrepesthoneura (Diptera: Mycetophilidae). *Beitr. Ent.*, **30**(1): 3–7.
- 1980 Drei neue Pilzmücken aus Tirol und Bayern (Diptera, Nematocera, Mycetophilidae). *Spixiana*, **3**: 209–214.
- Plotnikova, G. P.**
- 1962 Двукрылые — обитатели базидиальных грибов в Западной Сибири. *Probl. zool. issled. Sibiri. Gorno-Altaysk*: 1–197
- 1962 New fungus-gnats (Diptera, Fungivoridae) from West Siberia. I. *Ent. Obozr.*, **41**: 889–900 (In Russian).
- Poey, F.**
- 1851 El jejen, *Oecacta furens* Poey. *Mems Hist. nat. Isla Cuba*, **1**: 236–242.
- Pomeroy, A. W.**
- 1922 New species of African Simuliidae and further studies of the early stages. *Bull. ent. Res.*, **12**: 457–463.
- Popov, V. D.**
- 1968 A new species of black flies from the genus *Prosimulium* Roubaud (Diptera, Simuliidae) of the fauna of the USSR. *Parazitologiya*, **2**(5): 444–447 (In Russian).
- 1977 A new species of black flies from the genus *Prosimulium* Roub. (Diptera, Simuliidae) from the Amur River Basin. Таксоны фауны Сибири: 57–61 (In Russian).
- Puri, J. M.**
- 1925 A note on the early stages of a species of *Simulium* from Tunis—S. equinum var. mediterraneum var. nov. (Diptera, Simuliidae). *Ann. Mag. nat. Hist.*, (9) **6**: 253–255.
- 1932 Studies on Indian Simuliidae. Part I. *Indian J. med. Res.*, **19**(3): 883–898.
- 1932 Studies on Indian Simuliidae. Part II. *Indian J. med. Res.*, **19**(3): 899–915.



- 1932 Studies on Indian Simuliidae. Part III. *Indian J. med. Res.*, **19**(4): 1125–1143.
- 1933 Studies on Indian Simuliidae. IX. *S. equinum* var. *mediterraneum* Puri and *S. paraequinum* sp. n. *Indian J. med. Res.*, **21**(1): 11–16.
- Raastad, J. E.**
- 1979 Fennoscandian black-flies (Diptera, Simuliidae): annotated list of the species and their gross distribution. *Rhizocrinus, Oslo*, **11**: 1–28.
- Raastad, J. E.** (See RIVOSECCHI, L., RAASTAD, J. E. and CONTINI, C.)
- Radzivilovskaja, Z. A.**
- 1948 On the fauna and ecology of black flies (Simuliidae) from the mountains of South-Ussuri Taiga. *Parasit. Sb. zool. Inst. Akad. Nauk SSSR*, **10**: 131–150 (In Russian).
- Ratanaworabhan, N. C.** (See WIRTH, W. W. and RATANAWORABHAN, N. C.)
- Ratanaworabhan, N. C.** (See WIRTH, W. W., RATANAWORABHAN, N. C. and BLANTON, F. S.)
- Remm, H.**
- 1958 Über systematische Stellung der Art "Culicoides quadripunctatus Goetghebuere". *Loodusuur. Seltsi Aastar.*, **50**(1957): 257–260 (In Russian).
- 1959 Estonian species of the genus *Atrichopogon* Kieffer. I. Subgenus *Psilokempia* Enderlein. *Ent. Obozr.*, **38**(3): 682–692 (In Russian).
- 1961 Estonian species of the genus *Atrichopogon* Kieffer. II. Description of the three new species and key to the Estonian species of the subgenus *Atrichopogon* s. str. *Ent. Obozr.*, **40**(4): 920–928 (In Russian).
- 1961 Three new species of the genus *Forcipomyia* Meigen in Estonia. *Loodusuur. Seltsi Aastar.*, **53**(1960): 188–194 (In Russian).
- 1962 A survey of species of the genus *Forcipomyia* Meigen from Estonia. *Loodusuur. Seltsi Aastar.*, **54**(1961): 165–195 (In Russian).
- 1962 The genus *Dasyhelea* Kieffer in Estonia. *Tartu Ülik. Metsaosak. Toim.*, **120**: 108–133 (In Russian).
- 1965 New species of biting-midges from the European part of the USSR. *Ent. Obozr.*, **44**(1): 182–188 (In Russian).
- 1966 On the Lithuanian biting midges. *Tartu Ülik. Metsaosak. Toim.*, **180**: 53–71 (In Russian).
- 1967 On the fauna of Ceratopogonidae in the Caucasus. *Tartu Ülik. Metsaosak. Toim.*, **194**: 3–37 (In Russian).
- 1971 On the fauna of Ceratopogonidae of South Primorye (Ussuri Land). *Живая природа Дальнего Востока*: 182–220 (In Russian).
- 1972 New species of Ceratopogonidae from the South Siberia. *Tartu Ülik. Metsaosak. Toim.*, **293**: 62–90 (In Russian).
- 1973 246. Ceratopogonidae. Ergebnisse der zoologischen Forschungen von Dr. Z. Kaszab in der Mongolei. *Reichenbachia*, **14**(22): 171–186.
- 1974 A review of the species of the genus *Bezzia* Kieffer from the fauna of the USSR. I. *Ent. Obozr.*, **53**(2): 429–442 (In Russian).

- 1974 A review of the species of the genus *Bezzia* Kieffer from the fauna of the USSR. II. Subgenus *Bezzia* s. str. *Ent. Obozr.*, **53**(4): 888–902 (In Russian).
- 1974 A systematic review of species of the genus *Ceratopogon* Meigen from USSR. *Tartu Ülik. Metsaosak. Toim.*, **327**: 23–58 (In Russian).
- 1975 On the classification of the biting midges (Diptera, Ceratopogonidae). *Parazitologiya*, **9**(5): 393–397 (In Russian).
- 1976 A synopsis of the *Palpomyia* of the USSR. *Loodusuur. Seltsi Aastar.*, **64**: 172–197.
- 1979 Новый вид мокрецов из Туркмении. *Trudy vses. ent. Obshch.* **61**: 178–179.
- 1979 *Eesti NSV habesääsklaste fauna katalog. Dipter. uurimusi (Tartu)*: 40–60.
- 1980 New species of the family Ceratopogonidae from the Middle Asia. *Tartu Ülik. Metsaosak. Toim.*, **516**: 85–128 (In Russian).
- 1981 New synonyms and new names of the Palaearctic Ceratopogonidae. *ENSV TA Toimet., biol.*, **30**(1): 27–32 (In Russian).
- Remm, H. and Gluchova, V.**
- 1971 Description of a new species of the genus *Alluaudomyia* in three stages of development. *ENSV TA Toimet., biol.*, **20**(4): 304–310 (In Russian).
- Remm, H. and Nasarmuchamedov, N. A.**
- 1969 New Heleidae species in lower course of the Amu Darya river. *Uzbek. biol. Zh.*, **13**(4): 54–58 (In Russian).
- Remm, H. and Zhogolev, D. T.**
- 1968 Contributions to the fauna of biting-midges of the Crimea. *Ent. Obozr.*, **47**(4): 826–842 (In Russian).
- Remmert, H.**
- 1953 *Dasyhelea tecticola* n. sp., eine Ceratopogonide aus Regentrinnen. *Beitr. Ent.*, **3**(3): 333–336.
- Rieb, J.-P. and Delecolle, J.-C.**
- 1979 Redescription de *Stilobezzia* (*Neostilobezzia*) *calcarata* (Goetghebuer, 1920), espèce nouvelle pour la France. *Bull. Soc. ent. Fr.*, **84**: 240–247.
- Riley, C. V.**
- 1870 The death web of young trout of *Simulium* larvae. *Amer. Ent. Bot.*, **2**: 227–228.
- 1887 Report of the Entomologist. *Rep. Bur. Ent. U.S. Dept. Agr.*: 459–592.
- Rioux, J. A. and Descous, S.**
- 1965 Detection du biotope larvaire de *Leptoconops* (*Holoconops*) *kerteszi* Kieffer 1908 dans le "Midi" méditerranéen. *Annls Parasit. hum. comp.*, **40**(2): 219–229.
- Rioux, J. A., Descous, S. and Pech, J.**
- 1959 Un nouveau Cératopogonide arboricole *Culicoides haranti* n. sp. *Annls Parasit. hum. comp.*, **34**(3): 432–438.
- Rivosecchi, L.**
- 1960 Un nuovo Simulide dell'Agro Pontino. *Riv. Parassit.*, **21**(3): 229–244.

- 1961 I Simulidi del fiume Diri-Sarigliano. *Parassitologia*, **3**(3): 199–218.
- 1961 Contributo alla conoscenza dei Simulidi italiani. 2. Un nuovo Prosimulium: *Prosimulium albense* n. sp. (Diptera, Nematocera) proveniente dal monte della Magnola (Prov. dell'Aquila). *Riv. Parassit.*, **22**(3): 205–214.
- 1962 Contributo alla conoscenza dei Simulidi italiani. 3. Su qualche specie dei gruppi *E. latipes* (Meig.) ed *E. aureum* (Fries) raccolta nell'Italia Centrale e Meridionale. *Riv. Parassit.*, **23**(2): 135–150.
- 1962 Contributo alla conoscenza dei Simulidi italiani. 4. Descrizione di *Eusimulium marsicanum* n. sp. proveniente dal parco nazionale d'Abruzzo. *Riv. Parassit.*, **23**(3): 217–225.
- 1963 Contributo alla conoscenza dei Simulidi italiani. 6. Su due forme del gruppo *latizonum*. *Riv. Parassit.*, **24**(1): 19–30.
- 1963 Contributo alla conoscenza dei Simulidi italiani. 7. Reperti negli Appennini e in Sicilia. *Riv. Parassit.*, **24**(2): 119–142.
- 1963 Contributo alla conoscenza dei Simulidi italiani. 8. Due sotto specie dei gruppi *monticola* e *latizonum*. *Riv. Parassit.*, **24**(3): 199–211.
- 1966 I Simulidi della Calabria. *Parassitologia*, **8**(2): 77–101.
- 1966 Contributo alla conoscenza dei Simulidi italiana. 13. Su qualche specie del gruppo *ornata* e del genere *Simulium* s. str. *Riv. Parassit.*, **27**(1): 19–32.
- 1966 Contributo alla conoscenza dei Simulidi italiani. 14. Sul gruppo *angustitarse*. *Riv. Parassit.*, **27**(3): 185–202.
- 1967 I Simulidi degli Appennini. *Parassitologia*, **9**(3): 129–309.
- 1967 Contributo alla conoscenza dei Simulidi italiani. 15. Un nuovo *Eusimulium* del gruppo *annulum*. *Riv. Parassit.*, **28**(1): 63–70.
- 1971 Contributo alla conoscenza dei Simulidi italiani. 19. Raccolte di Simulidi nelle Alpi centro-orientali. *Riv. Parassit.*, **32**(1): 51–80.
- 1972 Contributo alla conoscenza dei Simulidi italiani. 21. Sue gruppo *equina*. *Riv. Parassit.*, **33**(2): 141–156.
- 1978 Simuliidae. Diptera, Nematocera. *Fauna d'Italia*, **13**: 1–529.
- Rivosecchi, L. and Cardinali, R.**
- 1975 Contributo alla conoscenza dei Simulidi italiani. 23. Nuovi dati tassonomici. *Riv. Parassit.*, **36**(1): 55–78.
- Rivosecchi, L. and Contini, C.**
- 1965 Una nuova *Cnephia* (Diptera, Simuliidae) della Sardegna: *Cnephia sardoa* n. sp. *Parassitologia*, **7**(2–3): 75–84.
- Rivosecchi, L. and Lipparoni, L.**
- 1965 Contributo alla conoscenza dei Simulidi italiani. 12. Specie del gruppo *latipes* provenienti dalle Alpi e dagli Appennini. *Riv. Parassit.*, **26**(3): 175–186.
- Rivosecchi, L., Raastad, J. E. and Contini, C.**
- 1975 A new species of Simuliidae (Diptera) from Sardinia: *Metacnephia*

nurgaica n. sp., and comparison to the related Fennoscandian *M. tredecimata* (Edwards). *Riv. Parassit.*, **36**(2-3): 215-222.

**Röder, V., von**

1887 Ueber eine neue Art der Gattung Gnoriste Mg. *Wien. ent. Ztg.*, **6**: 155-156.

**Rohdendorf, B. B.**

1946 Эволюция крыла и филогенез длинноусых двухкрылых Oligoneura (Diptera, Nematocera). *Trudy Paleontolog. Inst.*, **13**(2): 5-102.

1961 Neue Angaben über das System der Dipteren. *Verh. XI. Internat. Kongr. entomol. Wien*, **1**: 153-158.

1964 Историческое развитие двухкрылых насекомых. *Trudy Paleontolog. Inst.*, **100**: 1-311.

1977 The classification and phylogeny of Diptera. Systematics and evolution of Diptera (Insecta). Leningrad: 81-88. (In Russian).

**Rondani, C.**

1856 *Dipterologiae italicae prodromus*. Genera italica ordinis dipterorum ordinatim disposita et distincta et in familias et stirpes aggregata. Parmae [= Parma]: **1**: 1-228.

1857 *Dipterologiae italicae prodromus*, **2**: 1-264.

1860 Sugli Insetti che concorrono alla fecondazione dei semi nelle Aristolochia. *Atti Soc. ital. Sci. nat., Milano*, **2**(1): 133-135.

1861 *Dipterologiae italicae prodromus*. Species italicae ordinis dipterorum in genera characteribus definita, ordinatim collectes, methodo analitica distinctae et novis vel minus cognitis descriptis, Pars tertia: Muscidae, Tachininarum complementum, Parmae [= Parma], **4**: 1-174.

1869 Di alcuni insetti dipteri che aiutano le fecondazione in diversii peringonii. *Archo Zool. Anat. Fisiol., Bologna*, (2) **1**: 187-192.

**Roser, C. F. L., von**

1840 Erster Nachtrag zu dem im Jahre 1834 bekannt gemachten Verzeichnisse in Wüttemberg vorkommender zweiflügliger Insekten. *CorresBl. württ. landw. Ver. Stuttg.* (N.S.), **17**(1): 49-64.

**Roubaud, E.**

1906 Aperçus nouveaux, morphologiques et biologiques sur les Diptères piqueurs du groupe des Simulies. *C. r. Acad. Sci. Paris.*, **143**: 519-521.

**Rozkošný, R.** (See MARTINOVSKÝ, J. and ROZKOŠNÝ, R.)

**Rubzov, I. A.**

1939 On the fauna of black flies (Simuliidae) of Transbaikalia. *Parasit. Sb.*, **7**: 193-201 (In Russian).

1939 Two new species of bloodsucking flies (Simuliidae) from the Alai mountain range. *Trudy Otd. med. parazit. vses. Inst. eksp. Med.*, **3**: 193-198 (In Russian).

1940 Мошки. Fam. Simuliidae (Diptera). *Fauna de l'USSR*, **6**(6), 1 Ed.: 1-533 (In Russian).

- 1940 Simuliidae of Lake Sevan and Ciscaucasia. *Trudy sevan. hidrobiol. Stn.*, **6**: 79–85 (In Russian).
- 1947 The composition, relationships, geographical distribution and probable origin of Turkestan fauna of black flies. *Izv. Akad. Nauk SSSR (ser. biol.)*, **1**: 87–116 (In Russian).
- 1951 To the systematics of black flies (Simuliidae, Diptera) of Soviet Middle Asia. *Trudy zool. Inst., Leningr.*, **9**: 743–860 (In Russian).
- 1955 New peculiar species of black flies (Diptera, Simuliidae) from Eastern Siberia. *Ent. Obozr.*, **34**(2): 323–339 (In Russian).
- 1955 New species of black flies from Transcaucasia. *Trudy Inst. Zool., Baku*, **18**: 109–129 (In Russian).
- 1956 Мошки. Fam. Simuliidae (Diptera). *Faune de l'USSR*, **6**(6), 2 Ed.: 1–860 (In Russian).
- 1957 On the criterium of species in black flies (fam. Simuliidae, Diptera). *Zool. Zh.*, **36**(6): 801–819 (In Russian).
- 1959 Sympatric species of black flies. Чтения памяти Холодковского за 1956–57 гг.: 39–61 (In Russian).
- 1959–1964 14. Simuliidae (Melusinidae). In LINDNER, E. (ed.): *Die Fliegen der palaearktischen Region*. 1–689 [1959: 1–96; 1960: 97–160; 1961: 161–256; 1962: 257–464; 1963: 465–592; 1964: 593–689]
- 1962 Simuliid genera in the fauna of Ethiopian Region. *Zool. Zh.*, **41**(10): 1488–1502 (In Russian).
- 1962 On the criterium of allopatric species of bloodsucking black flies from the group *Odagmia ornata* (Mg.) (Diptera, Simuliidae). *Ent. Obozr.*, **41**(4): 901–920 (In Russian).
- 1963 Eine neue Art aus der Unterfamilie Gymnopauidinae (Simuliidae, Dipt.). *Stuttg. Beitr. Naturk.*, No. **123**: 1–7.
- 1964 Simuliidae d'Italia. Mem I. *Memorie Soc. ent. ital.*, **43**: 1–123.
- 1964 A new species from the genus *Greniera* Doby et David (fam. Simuliidae). *Izv. vses. geogr. Obshch., Kom. Fil.*, **9**: 97–99 (In Russian).
- 1965 Additional data on the black flies fauna (Diptera, Simuliidae) of the Palaearctic Region. *Ent. Obozr.*, **44**(3): 649–651 (In Russian).
- 1966 Мошки (fam. Simuliidae) of the Vashutkiny Lakes System. In: Гидробиологическое изучение и рыбохозяйственное освоение озёр Крайнего Севера ССР: 103–111 (In Russian).
- 1967 New and little known species of black flies (Diptera, Simuliidae). I. *Ent. Obozr.*, **46**(3): 735–751 (In Russian).
- 1967 Über die Kriebelmücken Ungarns (Simuliidae, Diptera). *Annl. hist.-nat. Mus. natn. hung.*, **59**: 303–318.
- 1967 Ergebnisse der zoologischen Forschungen von Dr. Z. Kaszab in der Mongolei. 120. Simuliidae (Diptera). *Annl. hist.-nat. Mus. natn. hung.*, **59**: 319–326 (In Russian).
- 1969 Ergebnisse der zoologischen Forschungen von Dr. Z. Kaszab in der Mongolei. 173. Simuliidae II (Diptera). *Reichenbachia*, **12**(11): 113–130.

- 1971 On the fauna of black flies (Diptera, Simuliidae) of Mongolia. *Ent. Obozr.*, **50**(1): 79–84 (In Russian).
- 1971 New and little known species of black flies. Новые и малоизвестные виды фауны Сибири: 89–108 (In Russian).
- 1971 New and little known species of black flies (Diptera, Simuliidae). *Ent. Essays Commemor. Retir. Prof. Yasumatsu*, Tokyo: 167–183.
- 1971 Ergebnisse der zoologischen Forschungen von Dr. Z. Kaszab in der Mongolei. 256. Simuliidae III (Diptera). *Annls hist.-nat. Mus. natn. hung.*, **63**: 261–273 (In Russian).
- 1972 Phoresy of the black flies (Diptera, Simuliidae) and new phoretic species from larvae of Ephemeroptera. *Ent. Obozr.*, **51**(2): 403–411 (In Russian).
- 1973 New and little known species of black flies (Diptera, Simuliidae). Новые и малоизвестные виды фауны Сибири, **7**: 120–128 (In Russian).
- 1974 On the evolution, phylogeny and classification of the family Simuliidae (Diptera). *Trudy zool. Inst., Leningr.*, **53**: 230–281 (In Russian).
- 1975 On the fauna of black flies (Diptera, Simuliidae) of Mongolia. V. *Insects of Mongolia*, **3**: 491–496 (In Russian).
- 1976 New species of black flies (Diptera, Simuliidae). *Ent. Obozr.*, **55**(1): 210–223 (In Russian).
- 1976 New species of black flies (Diptera, Simuliidae) from Kazakhstan. *Trudy Inst. Zool., Alma-Ata*, **36**: 5–17 (In Russian).
- 1977 The genus *Ahaimophaga* Rubzov et Chubareva (Diptera, Simuliidae) and some considerations about phylogenetic connections between Palaearctic and Nearctic fauna of black flies of subfamily Prosimuliinae. Новые и малоизвестные виды насекомых Европейской Части СССР: 47–49 (In Russian).
- 1978 A new species of blood-sucking black flies (Diptera, Simuliidae) from Southern Kazakhstan. *Ent. Obozr.*, **57**(3): 666–667 (In Russian).
- 1979 A new species from the genus *Simulium*. *Trudy vses. ent. Obshch.*, **61**: 181–183 (In Russian).
- 1984 On the black-flies generic names *Byssodon* Enderlein and *Psilocnetha* Enderlein (Diptera, Simuliidae). *Ent. Obozr.*, **63**(1): 186–187 (In Russian).
- 1984 *Atractocera latipes* Meigen, 1804 (Diptera, Simuliidae): proposed conservation in the common usage with rejection of the presumed holotype under the plenary powers. *Bull. zool. Nom.* (in litt.).
- 1984 *Simulia posticata* Meigen, 1838 and *Simulia rufa* Meigen, 1838: proposed suppression in favour of *Simulium austeni* 1915 and *Simulia ferruginea* Wahlberg, 1844 (Diptera, Simuliidae). *Bull. zool. Nom.* (in litt.).
- Rubzov, I. A. and Carlsson, G.**
- 1965 On the taxonomy of black flies from Scandinavia and Northern USSR. *Acta Univ. lund.*, **2**(18): 1–40.

**Rubzov, I. A. and Djafarov, Sh. M.**

- 1951 A new species of bloodsucking black flies from the River Kura. *Izv. Akad. Nauk azerb. SSR*, **9**: 33–39 (In Russian).

**Rubzov, I. A. and Shakirzjanova, M. C.**

- 1976 On the fauna of black flies (Diptera, Simuliidae) of Kazakhstan. *Trudy Inst. Zool., Alma-Ata*, **36**: 18–35 (In Russian).

**Rubzov, I. A. and Terterjan, A. E.**

- 1952 Little known and new species of black flies (Diptera, Simuliidae) from the Armenian SSR. *Dokl. Akad. Nauk armyan. SSR*, **15**(2): 57–64 (In Russian).

- 1954 A new species of black flies (Simuliidae, Diptera) from Southeastern Armenia. *Dokl. Akad. Nauk armyan. SSR*, **19**(1): 29–32 (In Russian).

**Rubzov, I. A. and Violovitsh, N. A.**

- 1965 МОШКИ ТУВЫ [The black flies of Tuva]: 1–64 (In Russian).

**Rubzov, I. A. and Yankovsky, A. V.**

- 1982 New genera and subgenera of black flies (Diptera, Simuliidae). *Ent. Obozr.*, **61**(1): 183–187 (In Russian).

**Ruthe, J. F., von**

- 1831 Einige Bemerkungen und Nachträge zu Meigen's "Systematischer Beschreibung der europäischen zweiflügeligen Insekten". *Isis, Jena*, **1831**(11): 1203–1222.

**Sack, P.**

- 1923 Dipteren aus Nowaja Semlja. — *Rep. scient. Results Norw. Exped. Nova Zemlya 1921*, (No. 15): 3–10.

**Saigusa, T.**

- 1973 A systematic study of the Mycetophilidae of Japan (Diptera). Part I. A revision of the subfamily Ditomyiinae. *Sieboldia*, **4**(3): 167–215.

**Santos Abreu, E. S.**

- 1918 Ensayo de una monografía de los Tendipedidos de las Islas Canarias. *Mems R. Acad. Cienc. Artes Barcelona*, **14**(2): 159–326.

- 1920 Monografía de los Fungivoridos de las Islas Canarias. *Mems R. Acad. Cienc. Artes Barcelona*, **16**(1): 1–152.

- 1922 Monografía de los Melusinidos de las Islas Canarias. *Mems R. Acad. Cienc. Artes Barcelona*, **17**(12): 1–45.

**Sasa, M.** (See OGATA, K. and SASA, M.)**Sasakawa, M.**

- 1961 Japanese Fungivoridae. II. New or little-known fungus gnats, with descriptions of five new species. *Kontyû*, **29**: 186–194.

- 1963 Japanese Mycetophilidae (Diptera). IV. Ditomyiinae. *Akitu*, **9**(2): 15–18.

- 1964 Japanese Mycetophilidae. V. Description of three new species. *Akitu*, **12**:

**Sasakawa, M. and Kimura, T.**

- 1974 Japanese Mycetophilidae (Diptera). VII. Genus *Boletina* Staeger. *Scient. Rep. Kyoto prefect. Univ., Agric.*, **26**: 44–66.

- 1974 Japanese Mycetophilidae (Diptera). VI. Genus *Dynatosoma* Winnertz. *Proc. Jap. Soc. syst. Zool.*, **10**: 22–30.
- Sasakawa, M. and Tamu, N.**
- 1961 Japanese Fungivoridae (Diptera). III. New or little-known fungus gnats from the Tsushima Islands. *Scient. Rep. Kusto prefect. Univ. Agric.*, **13**: 68–69.
- Sasaki, C.**
- 1928 *Ceratopogon shimai*, a new midge affecting the domestic fowl. *Proc. Imp. Acad. Japan*, **3**(10): 687–689.
- 1935 Matsutake no Kiseibae ni tsukite. *Nogyo*, **657**: 12–15 (In Japanese).
- Sato, A.** (See OKAMOTO, M., YOSHIDA, Y., SATO, A. and SHAGAKI, Y.)
- Saunders, L. G.**
- 1925 On the life history, morphologie and systematic position of *Apelma* Kieff, and *Thyridomyia* n. g. *Parasitology*, **17**(3): 252–277.
- 1956 Revision of the genus *Forcipomyia* based on characters of all stages. *Can. J. Zool.*, **34**(6): 657–705.
- Say, T.**
- 1823 Descriptions of dipterous insects of the United States. *J. Acad. nat. Sci. Philad.*, (1) **3**: 9–54, 73–104.
- 1824 Appendix. Part I. Natural History, 1. Zoology. E. Class Insecta. In KEATING, W. H.: *Major Long's second expedition to St. Peters River*, **2**: 268–378.
- 1829 Descriptions of North American dipterous insects. *J. Acad. nat. Sci. Philad.*, (1) **6**: 149–178.
- Schellenberg, J. R.**
- 1803 *Genres des mouches Diptères*. Zürich: 1–95.
- Schiner, J. R.** (or I. R.)
- 1864 *Fauna Austriaca. Die Fliegen*, **2**: XXXII + 1–658.
- Schmid, F.**
- 1951 Notes sur quelques Thaumaléides suisses et espagnols (Diptera, Nematocera). *Bull. Inst. r. Sci. nat. Belg.*, **27**(40): 1–6.
- 1958 Quelques Diptères Nématocères nouveaux ou intéressants (Thaumaléides et Limnobiides). *Bull. Inst. r. Sci. nat. Belg.*, **34**(10): 1–23.
- 1970 Quelques Thaumaléides nouvelles ou peu connues (Diptera, Thaumaléidae). *Naturaliste can.*, **97**: 499–510.
- Schnuse, C. A. W.**
- 1901 Eine neue Mycetophilidae aus Corsika. *Z. syst. Hymenopt. Dipterol.*, **1**: 149–151.
- Schönbauer, J. A.**
- 1795 *Geschichte der schädlichen Kolumbatczer Mücken im Bânát, als ein Beitrag zur Naturgeschichte Ungarns*. Wien: 1–100.
- Schrank, F.**
- 1863 *Fauna boica. Durchgedachte Geschichte der im Baiern einheimischen und zahmen Tiere*. Landshut, **3**(1): 1–272.



**Schulze, R.**

1924 Über Mycetophilidenlarven. *Zool. Jb. Syst.*, **48**: 433–462.

**Schummel, T. E.**

1831 Dipteren. In GRAVENHORST, J. C.: Bericht über die Arbeiten der entomologischen Section. *Uebers. Arb. Veränd. schles. Ges. vaterl. Kultur, in Jahre, 1830*, Breslau, 1831: 72–77.

**Séguy, E.**

1921 Faune entomologique des Isles Canaries. *Bull. Mus. natn. Hist. nat., Paris*, **27**: 291–295.

1925 Description d'un nouveau Simulium: *S. varicolor*, Diptera. *Encycl. ent. (B II) Dipt.*, **1**: 1–6.

1925 Sur un nouveau Simulium et synopsis des females des espèces du 2<sup>e</sup> groupe. *Bull. Soc. ent. Fr.*, **6**: 107–109.

1925 Description d'un nouveau Simulium et synopsis des espèces méditerranéens (Diptera, Simuliidae). *Eos*, **1**: 231–238.

1930 Contribution à l'étude des Diptères du Maroc. *Mem. Soc. Sci. nat. phys. Maroc*, **24**(1): 1–206.

1934 Diptères d'Espagne. *Mems Acad. Cienc. exact. Zaragoza*, **3**: 1–54.

1940 Diptères Nématocères. In *Faune de France*, **36**: 1–368.

1941 Recoltes de R. Paulloan et Villers dans le haut Atlas marocain, 1938 (XVII<sup>e</sup> note). *Revue fr. Ent.*, **8**: 25–31.

1961 Diptères nouveaux ou peu connus. Mycetophiloidea. *Bull. Mus. natn. Hist. nat. Paris*, **33**(2): 169–170.

**Séguy, E. and Dorier, A.**

1936 Description d'une nouvelle espèce de Simulie recoltée en Dauphine. *Trav. Lab. Hydrobiol. Piscic. Univ. Grenoble*, **27**: 1–15.

**Sen, P. and Das Gupta, S. K.**

1958 Species complex in Culicoides. *Bull. Calcutta Sch. trop. Med. Hyg.*, **6**(4): 163.

**Senior-White, R.**

1922 Notes on Indian Diptera. *Mém. Dep. Agric. India*, **7**(9): 126.

1922 Notes on Indian Diptera. III. New species of Diptera from the Indian region. *Mém. Dep. Agric., ent. Sér.*, **7**: 83–169.

**Serban, E.**

1958 Contribution à l'étude des Simuliidae de la République Populaire Roumaine. I. *Eusimulium codreanui* nov. sp. *Archs Inst. Pasteur Algér.*, **36**(2): 184–191.

1960 Simuliidelor din Republic Populara Romîna. II. *Simulium voilensis* nov. sp. *Com. Acad. Rep. Pop. Rom.*, **10**(2): 125–134.

1961 New and little known species of black flies of the groupe *Eusimulium aureum* Fries (Diptera, Simuliidae) from Romania. *Ent. Obozr.*, **40**(3): 677–685 (In Russian).

**Sergejev, A. F.**

- 1959 К познанию фауны кровососущих мокрецов Кавказского государственного заповедника. *Trudy kavk. Zap.*, 5: 202–206.

**Shagaki, Y.** (See OKAMOTO, M., YOSHIDA, Y., SATO, A. and SHAGAKI, Y.)**Shakirzjanova, M. S.**

- 1962 Новые виды мокрецов из Казахстана. *Trudy Inst. Zool., Alma-Ata*, 18: 254–259.

- 1963 Кровососущие мокрецы Казахстана: 1–120.

**Shakirzjanova, M. S.** (See RUBZOV, I. A. and SHAKIRZJANOVA, M. S.)**Shaw, F. R.**

- 1940 Some new Mycetophilidae. *Can. Ent.*, 72: 48–51.

- 1948 A new genus and species of fungus-gnats (Mycetophilidae). *Bull. Brooklyn ent. Soc.*, 43(3): 94–96.

- 1951 Some new Mycetophilidae from the western United States. *Bull. Brooklyn ent. Soc.*, 46: 65–70.

**Shaw, F. R. and Shaw, M. M.**

- 1951 Relations of certain genera of fungus gnats of the family Mycetophilidae. *Smithson. misc. Collns*, 117(3): 1–23.

**Shaw, M. M.** (See SHAW, F. R. and SHAW, M. M.)**Shevchenko, A. K.**

- 1962 A new species of Heleidae found in the middle reaches of the Northern Donets. *Dopov. Akad. Nauk ukr. RSR*, 1962(5): 673–675 (In Ukrainian).

- 1967 Bloodsucking midges of the genus *Culicoides* Mg. from the valley of the middle current of the Desna. *Ent. Obozr.*, 41(1): 163–179 (In Russian).

- 1969 New and scarcely known species of Ceratopogonidae from the Ukraine. *Zool. Rec. (Kiev)*, 1969(3): 47–52 (In Russian).

- 1970 New species of blood-sucking biting midges from the steppe of the Ukraine. *Zool. Rec. (Kiev)*, 1970(4): 84–85 (In Russian).

- 1970 New species of Ceratopogonidae of the genus *Culicoides* from the Ukraine. *Zool. Rec. (Kiev)*, 1970(6): 8–14 (In Russian).

- 1972 Description of two new species of blood-sucking biting midges of the genus *Culicoides* from the Ukraine. *Zool. Rec. (Kiev)*, 1972(6): 75–78 (In Russian).

- 1974 К вопросу о подроде подразделении рода *Culicoides* Latr. *Vest. Khark. Univ.*, 105: 109–110.

**Shevchenko, A. K. and Lisetsky, A. S.**

- 1969 Blood-sucking biting midges in the reservation “Kedrovaja Pad” of the Primorski district. *Zool. Zh.*, 48(9): 1412–1415 (In Russian).

**Shewell, G. E.**

- 1959 New Canadian black flies (Diptera, Simuliidae). III. *Can. Ent.*, 91(11): 686–697.

**Shinji, O.**

- 1938 On the Fungivoridae (Dipt.) of north-eastern Japan with the description of new species and a genus. *Insect Wld*, 42(10): 1–8 (In Japanese).

- 1939 A new record for Japanese Fungivoridae (Dipt.). *Insect Wld*, **43**(11):  
**Shiraki, T.**  
 1913 Investigations on general injurious insects. *Special Rep. High Gov. Agric. Stat. Formosa*, **8**: 286–297.  
 1935 Simuliidae of the Japanese Empire. *Mem. Fac. Agric. Taihoku imp. Univ.*, **16**(1): 1–89.
- Shogaki, Y.**  
 1956 A list of Japanese Simuliidae with special notes on a new subgenus Nipponosimulium. *Zool. Mag., Tokyo*, **65**(7): 274–280 (In Japanese).
- Shogaki, Y.** (See TOKUNAGA, M. and SHOGAKI, Y.)
- Siebke, H.**  
 1863 Beretning om en i Sommeren 1861 foretagen entomologisk Reise. *Nyt Mag. Naturvid.*, **12**: 105–192.
- Skierska, B.**  
 1973 Une nouvelle espèce du genre *Culicoides* Latr.—*Culicoides vistulensis* sp. n., trouvée dans les terrains sales de la côte de Pologne. *Polskie Pismo ent.*, **43**(2): 289–294.
- Skuse, F. A. A.**  
 1888 Diptera of Australia. III. The Mycetophilidae. *Proc. Linn. Soc. N.S.W.*, (2) **3**: 1123–1222.  
 1890 Diptera of Australia. Nematocera. Supplement II. *Proc. Linn. Soc. N.S.W.*, (2) **5**: 595–640.
- Smart, J.**  
 1944 Notes on Simuliidae (Diptera). II. *Proc. R. Ent. Soc. Lond. (B)*, **13**: 131–136.  
 1945 The classification of the Simuliidae (Dipt.). *Trans. R. ent. Soc. Lond.*, **95**(8): 463–532.
- Smatov, Z. S. and Aldabergenov, N. K.**  
 1973 Новый вид кровососущего мокреца с Мангышлака *Culicoides karagiensis* sp. n. *Izv. Akad. Nauk kazakh. SSR, biol.*, **1973**(5): 24–26.
- Smatov, Z. S. and Isimbekov, Z. M.**  
 1971 Новые и малоизвестные виды кровососущих мокрецов из Казахстана. *Izv. Akad. Nauk kazakh. SSR, biol.*, **1971**(4): 61–65.
- Smatov, Z. S. and Kravets, G. A.**  
 1976 Новые виды мокрецов из Казахстана. *Parazitologiya*, **10**(3): 282–286.
- Smith, R. O. A.**  
 1929 Two species of *Culicoides* which feed on man. *Indian J. med. Res.*, **17**(1): 255–257.
- Sommerman, K. M.**  
 1958 Two new species of Alaskan *Prosimulium*, with notes on closely related species (Diptera, Simuliidae). *Proc. ent. Soc. Wash.*, **60**(5): 193–202.  
 1961 *Prosimulium doveri*, a new species from Alaska, with keys to related species (Diptera, Simuliidae). *Proc. ent. Soc. Wash.*, **63**(4): 225–234.

- 1964 *Prosimulium esselbaughi* n. sp., the Alaskan *P. hirtipes* 2 (Diptera, Simuliidae). *Proc. ent. Soc. Wash.*, **66**(3): 141–145.
- Spataru, P. and Damian-Georgescu, A.**
- 1970 *Metamorfoza la Dasyhelea mayeri* n. sp. si *Dasyhelea thienemanni* n. sp. *Studii Cerc. Biol., ser. zool.*, **22**(5): 421–431.
- Speiser, P.**
- 1910 Beiträge zur Kenntnis der Dipteren-Gruppe Heleinae (adhuc Ceratopogoninae). *Zool. Jb., Suppl.*, **12**: 735–754.
- 1913 Beiträge zur Dipterenfauna von Kamerun. I. *Dt. ent. Z.*, **1913**: 131–146.
- Stackelberg, A. A.**
- 1943 New Palaearctic fungus-gnats (Diptera, Fungivoridae). *Proc. R. ent. Soc. Lond. (B)*, **12**: 167–171.
- 1945 European species of the family Macroceratidae (Diptera, Nematocera). *Ent. Obozr.*, **28**(1–2): 17–29 (In Russian).
- 1946 Palaearctic species of the genus *Coelosia* Winn. (Diptera, Fungivoridae). *Proc. R. ent. Soc. Lond. (B)*, **15**: 77–80.
- 1948 Новые и малоизвестные виды Fungivoridae (Diptera) из Ленинградской области. *Ent. Obozr.*, **30**: 94–102.
- 1969 17. Сем. Bolitophilidae. In *Опед. насекомых европ. части СССР*, **5**(1): 247–257.
- 1969 21. Сем. Macroceridae. In *Опед. насекомых европ. части СССР*, **5**(1): 261–264.
- Stackelberg, A. A.** (See OSTROVERKHOVA, G. P. and STACKELBERG, A. A.)
- Staeger, R. C.**
- 1839– Systematisk fortegnelse over de i Danmark hidtil funde Diptera. *Naturh. Tidsskr.*, **2**: 549–600, **3**: 1–58, 228–288.
- 1845 Grønlands antliater. *Naturh. Tidsskr.*, (2) **1**(1844–1845): 346–369.
- Stannius, F. H.**
- 1831 *Observationes de speciebus nonnullis generis Mycetophila vel novis, vel minus cognitis. Vratislaviae [= Wrocław]: 1–30.*
- Steenberg, C. M.**
- 1924 Étude sur deux espèces dont les larves se forment de leur excréments une couche protectrice: la *Phronia strenua* Winn. et la *P. johannae* n. sp. (Diptera, Nematocera). *Vidensk. Meddr dansk naturh. Foren.*, **78**: 1–51, 211.
- 1943 Études sur les larves du genre *Phronia*. *Ent. Meddr*, **23**: 337–351.
- Stephens, J. F.**
- 1829 *A systematic catalogue of British insects: Being an attempt to arrange all the hitherto discovered indigenous insects in accordance with their natural affinities.* London, **2**: 1–388.
- Stone, A.**
- 1941 The generic names of Meigen 1800 and their proper application (Diptera). *Ann. ent. Soc. Am.*, **34**: 404–418.

- 1949 A new genus of Simuliidae from Alaska (Diptera). *Proc. ent. Soc. Wash.*, **51**(6): 260–267.
- 1952 The Simuliidae of Alaska (Diptera). *Proc. ent. Soc. Wash.*, **54**(2): 69–96.
- 1962 Notes on the types of some Simuliidae (Diptera) described by Enderlein. *Ann. ent. Soc. Am.*, **55**(2): 206–209.
- 1963 An annotated list of genus-groupe names in the family Simuliidae (Diptera). *Agric. Res. Serv. U.S. Dep. Agric.*, **1284**: 1–28.
- Stone, A. and Jamnback, H. A.**
- 1955 The blackflies of New-York State (Diptera, Simuliidae). *Bull. N.Y. St. Mus.*, **349**: 1–144.
- Storå, R.**
- 1936 Fam. Mycetophilidae. In FREY: Die Dipterenfauna der Kanarischen Inseln und ihre Probleme. *Commentat. biol.*, **6**(1): 10–14.
- 1936 Ceratopogonidae. In FREY: Die Dipterenfauna der Kanarischen Inseln und ihre Probleme. *Commentat. biol.*, **6**(1): 31–38.
- 1939 Mitteilungen über die Nematoceren Finnlands II. *Notul. ent.*, **19**(1/2): 16–31.
- 1945 Ceratopogonidae. In FREY: Tiergeographische Studien über die Dipterenfauna der Azoren. *Commentat. biol.*, **8**(10): 32–35.
- 1945 Fam. Sciophilidae und Fam. Mycetophilidae. In FREY: Tiergeographische Studien über die Dipterenfauna der Azoren. 1. Verzeichnis der bisher von der Azoren bekannten Dipteren. *Commentat. biol.*, **8**(10): 9–12.
- 1949 Fam. Mycetophilidae. In FREY: Die Dipterenfauna der Insel Madeira. *Commentat. biol.*, **8**(16): 11–12.
- Strenzke, K.**
- 1950 *Dasyhelea lithotelmatica* n. sp. *Arch. Hydrobiol., Suppl.* **18**(1): 178–187.
- Strobl, B. G.**
- 1880 Dipterologische Funde um Seitenstetten. Ein Beitrag zur Fauna Niederösterreich. *Progr. k. k. Ober-Gymn. Benedictiner Seitenstetten*, **1880**: 1–65.
- 1892 Die Dipteren von Steiermark. 1. *Mitt. naturw. Ver. Steierm.*, **29**: 1–199.
- 1893 Beiträge zur Dipterenfauna des Österreichischen Littorale. *Wien. ent. Ztg.*, **12**: 29–42, 74–80, 89–108, 121–136, 161–170, 214 (Corrigenda).
- 1894 Die Dipteren von Steiermark. 2. *Mitt. naturw. Ver. Steierm.*, **30**: 1–152.
- 1895 Die Dipteren von Steiermark. 3. *Mitt. naturw. Ver. Steierm.*, **31**: 121–246.
- 1897 Siebenbürgische Zweiflügler, gesammelt von G. Strobl, Dr. D. Czekelius und M. v. Kimakowitz. *Verh. Mitt. siebenb. Ver. Naturw.*, **46**(1896): 11–48.
- 1898 Die Dipteren von Steiermark. 4 (Nachtr. I.). *Mitt. naturw. Ver. Steierm.*, **34**: 192–298.
- 1898 Фауна диптера Босне, Херцеговине и Далмацие. *Glasn. zemalj. Mus. Bosni Herceg.*, **10**: 387–466, 561–616 (In Serbian).

- 1898 Spanische Dipteren (Beitr. I, T. 1). *Wien. ent. Ztg.* **17**: 294–302.  
 1899 Spanische Dipteren (Beitr. I, T. 2). *Wien. ent. Ztg.* **18**: 12–27, 77–83, 96  
 (Corrigenda), 117–128, 144–148, 213–229, 246–250.  
 1900 Dipterenfauna von Bosnien, Herzegovina und Dalmatien. *Wiss. Mitt.  
 Bosn. Herceg.*, **7**: 552–670.  
 1900 Spanische Dipteren (Beitr. I, T. 3). *Wien. ent. Ztg.* **19**: 1–10, 61–70,  
 92–100, 169–174, 207–216.  
 1900 Tief's dipterol. Nachlass aus Kärnten u. Oesterr.-Schlesien. *Jb. naturh.  
 Landesmus. Kärnten*, **26**: 171–246.  
 1905 Spanische Dipteren. II. Beitrag. *Mems R. Soc. esp. Hist. nat.*, **3**(5):  
 271–422.  
 1910 Die Dipteren von Steiermark. 5 (Nachtr. II). *Mitt. naturw. Ver. Steierm.*,  
**46**(1909): 45–293.

**Takahashi, S.**

- 1958 Notes on some biting-midges in the Niigata-Yamagata district. *Acta  
 biol., Niigata*, **6**(2): 111–117.

**Takahasi, H.**

- 1940 Description of five new species of Simuliidae from Manchoukuo. *Insecta  
 matsum.*, **15**(1–2): 63–74.  
 1941 Notes on some species of the genus *Culicoides* from Manchoukuo, with  
 description of a new species. *Insecta matsum.*, **15**(3): 80–85.  
 1941 Description of a new species of Simuliidae (*Simulium* (*Odagmia*) *aokii*)  
 from Nippon, with other notes. *Insecta matsum.*, **15**(3): 86–88.  
 1942 Die Simuliiden von Manchoukuo. II. *Insecta matsum.*, **16**: 36–43.  
 1950 *Simuliidae. Monographia insectorum japonicorum*: 1555–1559 (In  
 Japanese).

**Takahasi, H. (See KONO, H. and TAKAHASI, H.)****Takaoka, H.**

- 1972 A new species of Simuliidae from Yonakuni Island, Ryukyu Islands,  
 Japan (Diptera: Simuliidae). *J. med. Entomol.*, **9**(6): 521–523.  
 1973 Descriptions of 2 new species of black flies, *Simulium* (*Gomphostilbia*  
*tokarensis*) and *S. (Eusimulium) morisonoi* (Diptera: Simuliidae) from  
 the Tokara Islands, Japan. *Jap. J. Sanit. Zool.*, **23**(3): 201–207.  
 1974 Black flies from Cheju Island in Korea with the description of *Simulium*  
*(Eusimulium) subcostatum chejuense* n. ssp. (Diptera, Simuliidae). *Jap.  
 J. sanit. Zool.*, **25**(2): 141–146.  
 1976 Studies on black flies of the Nansei Islands, Japan (Simuliidae, Diptera).  
 I. On six species of the subgenus *Eusimulium* Roubaud, with the  
 description of *Simulium* (*E.*) *satsumense* sp. nov. and *S. (E.) subcostatum*  
*koshikiense* ssp. nov. *Jap. J. sanit. Zool.*, **27**(2): 163–180.  
 1976 Studies on black flies of the Nansei Islands, Japan (Simuliidae, Diptera).  
 II. On six species of the subgenera *Gomphostilbia* Enderlein, *Morops*  
*Enderlein*, *Odagmia* Enderlein and *Gnus* Rubzov, with the description of

- Simulium (*Gomphostilbia*) *okinawense* sp. nov. *Jap. J. sanit. Zool.*, **27**(4): 385–398.
- 1977 Studies on black flies of the Nansei Islands, Japan (Simuliidae, Diptera). III. On six species of the subgenus *Simulium* Latreille. *Jap. J. sanit. Zool.*, **28**(2): 193–217.
- 1978 A new species of black fly from Kyushu, Japan (Simuliidae, Diptera). *Jap. J. trop. Med. Hyg.*, **6**(1): 9–14.
- Tamu, N.** (See SASAKAWA, M. and TAMU, N.)
- Tan, C. and Chown, P.**
- 1976 New species and new records of Simuliidae (Diptera) from China. *Acta ent. sin.*, **19**(4): 455–459.
- Tarwid, K.**
- 1936 Note sur l'identité systématique des genres: *Zelmira* Meigen (= *Platyura* Meig.) et *Asindulum* Latr. (Diptera, Fungivoridae). *C. r. Séanc. Soc. Sci. Lettres de Varsovie*, **29**(4): 1–9.
- Terterjan, A. E.**
- 1949 Description of two new species of black flies (Diptera, Simuliidae) from Armenia. *Dokl. Akad. Nauk armyan. SSR*, **11**(3): 93–97 (In Russian).
- 1951 Description of two new species of black flies (Diptera, Simuliidae). *Dokl. Akad. Nauk armyan. SSR*, **14**(2): 49–55 (In Russian).
- 1952 New species of black flies (Diptera, Simuliidae) from the Armenian SSR. *Dokl. Akad. Nauk armyan. SSR*, **15**(3): 89–95 (In Russian).
- 1956 A new species from the genus *Prosimulium* from Armenia (Diptera, Simuliidae). *Dokl. Akad. Nauk armyan. SSR*, **23**(2): 87–93 (In Russian).
- 1962 A new species of black fly (Diptera, Simuliidae) from the Armenian SSR. *Dokl. Akad. Nauk armyan. SSR*, **35**(5): 233–237 (In Russian).
- 1968 *Moshki. Fam. Simuliidae (Diptera). Fauna of the Armenian SSR*: 1–272 (In Russian).
- 1972 New Simulidae from the Caucasus of the genus *Greniera* Doby et David (Simuliidae, Diptera) and a new species from the Armenian SSR. *Dokl. Akad. Nauk armyan. SSR*, **54**(5): 272–276 (In Russian).
- Terterjan, A. E.** (See RUBZOV, I. A. and TERTERJAN, A. E.)
- Terterjan, A. E. and Kachvorian, E. A.**
- 1982 A new species of black flies from the Armenian SSR (Diptera, Simuliidae). *Dokl. Akad. Nauk armyan. SSR*, **74**(3): 134–137 (In Russian).
- Theischinger, G.**
- 1979 A new species of *Thaumalea* Ruthe from Crete (Diptera, Nematocera, Thaumaleidae). *Aquat. Ins.*, **1**: 51–53.
- Thienemann, A.** (See KIEFFER, J. J. and THIENEMANN, A.)
- Thompson, F. C.**
- 1975 Notes on the *Lygistorrhina* Skuse with the description of the first Nearctic species (Diptera, Mycetophiloidea). *Proc. ent. Soc. Wash.*, **77**(4): 434–445.

**Tjeder, B.**

- 1949 The identity of *Chenesia obscura* Zett. (Dipt. Thaumaleidae). *Opusc. Ent.*, **14**: 105–106.
- 1949 The first Swedish representative of the family Thaumaleidae (Dipt. Nemat.). *Opusc. Ent.*, **14**: 106–109.

**Tokunaga, M.**

- 1932 A new biting midge from Japan, with anatomical notes on the larval head capsule and mouth-parts. *Trans. Kansai ent. Soc.*, **3**(3): 1–12.
- 1937 Sandflies from Japan. *Tenthredo*, **1**(3): 233–338.
- 1937 Supplementary report of Japanese sand flies. *Tenthredo*, **1**(4): 455–459.
- 1939 Japanese biting midges of *Bezzia* and *Palpomyia*. *Tenthredo*, **2**(3): 273–313.
- 1939 Three blood-sucking midges attacking lace-wing flies and a lepidopterous larvae. *Vol. Jubil. Prof. Sadao Yoshida*, **2**: 369–373.
- 1940 Biting midges from Japan and neighbouring countries, including Micronesian Islands, Manchuria, North China and Mongolia. *Tenthredo*, **3**(1/2): 58–165.
- 1940 Chironomoidea from Japan XII. New or little-known Ceratopogonidae et Chironomidae. *Philipp. J. Sci.*, **72**(3): 255–311.
- 1941 Biting midges from Manchuria. *Insecta matsum.*, **15**(3): 89–102.
- 1950 Culicoid flies from Kyushu, Japan. *Jap. J. sanit. Zool.*, **1**(3): 64–67.
- 1955 Notes on biting midges from Japan and Korea. *Scient. Rep. Saikyo Univ. Agric.*, **7**: 1–8.
- 1956 Notes on Japanese biting midges. *Scient. Rep. agric, Saikyo Univ.*, **8**: 112–123.
- 1958 A new *Dasyhelea* species from Korea. *Akitu*, **7**: 75–78.
- 1960 Notes on biting midges. I. *Akitu*, **9**: 72–76.
- 1960 Supplementary study on Japanese biting midges with a description of a new species. *Scient. Rep. Kyoto Pref. Univ. Agric.*, **12**: 71–75.
- 1962 Biting midges of the Ryukyu Islands. *Pacif. Insects*, **4**(1): 153–217.
- 1963 Some Japanese biting midges breeding in paddy-field water. *Scient. Rep. Kyoto Pref. Univ. Agric.*, **15**: 37–49.
- 1966 Some Nematocerous Diptera of the North-East of Afghanistan. *Rep. Kyoto Univ. Scient. Exp. Karakoram and Hindukush*, **8**: 273–283.

**Tokunaga, M. and Murachi, E. K.**

- 1959 Insects of Micronesia. Diptera: Ceratopogonidae. *Insects Micronesia*, **12**(3): 103–434.

**Tokunaga, M. and Shogaki, Y.**

- 1953 A new species of biting midge from Japan. *Proc. ent. Soc. Wash.*, **55**(5): 286–288.

**Tollet, R.**

- 1943 Notes sur les Diptères Mycetophilidae de Belgique. I. *Ditomyiinae*, *Bolitophilidae*. *Bull. Mus. r. Hist. nat. Belg.*, **19**(59): 1–20.



- 1948 Notes sur la faune des Hautes-Fagnes en Belgique. XVII. Mycetophilidae (Diptera). *Bull. Annl. Soc. r. ent. Belg.*, **84**(11-12): 284-287.
- 1953 Notes sur les Diptères Mycetophilidae de Belgique. II. Keroplatinae. *Bull. Annl. Soc. r. ent. Belg.*, **89**(5-6): 179-180.
- 1955 Études Biospéologiques. XXXVI. Révision des Mycetophilidae cavernicoles de Transylvanie (Diptera, Nematocera) recueillis par R. Leruth. *Mém. Soc. r. ent. Belg.*, **27**: 205-231, 443-469.
- 1955 Note sur les Diptères Mycetophilidae de Belgique. III. Keroplatinae. *Bull. Annl. Soc. r. ent. Belg.*, **91**(11-12): 273-276.
- 1959 Contribution à l'étude des Diptères cavernicolées des grottes d'Italie et de Suisse et description de deux Mycetophilides nouveaux. *Bull. Annl. Soc. r. ent. Belg.*, **95**: 205-231.
- 1959 Note systématique sur les Corynoscelidae fam. n. (Diptera) du globe et description d'un Corynoscelidae nouveau de l'hémisphère austral. *Bull. Annl. Soc. r. ent. Belg.*, **95**: 132-153.
- Tuomikoski, R.**
- 1966 Generic taxonomy of the Exechiini (Dipt., Mycetophilidae). *Annl. ent. fenn.*, **32**: 159-194.
- 1966 On the subfamily Manotinae Edw. (Dipt., Mycetophilidae). *Annl. ent. fenn.*, **32**(3): 211-223.
- 1966 Systematic position of *Lygistorrhina* Skuse (Diptera, Mycetophiloidea). *Annl. ent. fenn.*, **32**: 254-260.
- Twinn, C. R.**
- 1936 The black flies of Eastern Canada. *Can. J. Res. (D)*, **14**: 97-159.
- Udaka, M.**
- 1959 The Ceratopogonidae of the Ishizuchi Range, Shikoku, Japan. *Trans. Shikoku ent. Soc.*, **6**(2): 17-22.
- Uemoto, K. and Okazawa T.**
- 1980 Revision of the genus *Prosimulium* Roubaud (Diptera, Simuliidae) of Japan. IV. The subgenus *Helodon* Enderlein. *Jap. J. sanit. Zool.*, **31**(3): 223-230.
- Uemoto, K., Okazawa, T. and Onishi, O.**
- 1976 Revision of the Genus *Prosimulium* Roubaud (Diptera, Simuliidae) of Japan. II. The subgenus *Distosimulium* Peterson, 1970. *Jap. J. sanit. Zool.*, **27**(2): 97-104.
- Uemoto, K., Onishi, O. and Orii, T.**
- 1973 Revision of the genus *Prosimulium* Roubaud (Diptera, Simuliidae) of Japan. I. hirtipes-group in the subgenus *Prosimulium*. *Jap. J. sanit. Zool.*, **24**(1): 27-46.
- Ussova, Z. V.**
- 1959 A new species of black flies *Hellichia dogieli* n. sp. (Diptera, Simuliidae) from the Karelian Aut. SSR. *Trudy karel. Fil. Akad. Nauk SSSR*, **14**: 110-113 (In Russian).

- 1961 New and little-known species of black flies (Diptera, Simuliidae) from the Karelian Aut. SSR and Murmansk Oblast. *Trudy karel. Fil. Akad. Nauk SSSR*, **30**: 153–160 (In Russian).
- 1961 *Fauna of black flies of Karelia and Murmansk district (Diptera, Simuliidae)*. Leningrad: 1–226 (In Russian).
- Utmar, J. A. and Wirth, W. W.**
- 1976 A revision of the New World species of *Forcipomyia* subgenus *Caloforcipomyia*. *Fla Ent.*, **59**(2): 109–133.
- Vaillant, F.**
- 1953 Les Thaumaleidae des Alpes du Dauphine et des montagnes d'Algerie. *Encycl. ent. (B II) Dipt.*, **11**: 119–128.
- 1953 Quelques Thaumaleidae de France et d'Algérie (Diptera). *Bull. Inst. r. Sci. nat. Belg.*, **29**(22): 1–4.
- 1954 Nouvelle contribution à l'étude des Thaumaleidae (Diptera). *Entomologiste*, **10**: 94–97.
- 1954 Deux Ceratopogonides nouveaux à larves madicoles. *Revue fr. Ent.*, **21**(3): 227–231.
- 1955 Contribution à l'étude des Ceratopogonidae de France et d'Afrique du Nord. *Encycl. ent. (B II) Dipt.*, **2**: 12.
- 1957 Deux Ceratopogonidae nouveaux de l'Algérie. *Bull. Stat. Aquic. et pêche Castiglione, (N.S.)*, **1957**(9): 263–274.
- 1960 A new Thaumaleid (Diptera) from Madeira. *Bolm Mus. munic. Funchal*, **17**: 25–28.
- 1968 Les Diptères Thaumaleidae des Pyrénées. *Annl's Limnol.*, **4**: 81–84.
- 1969 Les Diptères Thaumaleidae des Alpes et des Carpathes. *Annl's Soc. ent. Fr. (N.S.)*, **5**: 687–705.
- 1970 Les Diptères Thaumaleidae de la Corse. *Trav. Lab. Hydrobiol. Piscic. Univ. Grenoble*, **61**: 165–171.
- 1973 Quelques Insectes Diptères, à larves aquatiques, du parc de la Vanoise. *Trav. Sci. parc. nat. Vanoise*, **3**: 133–165.
- 1977 Les Diptères Thaumaleidae d'Europe. *Annl's Soc. ent. Fr. (N.S.)*, **13**: 695–710.
- 1978 Thaumaleidae. In ILLIES J. (ed.): *Limnofauna Europaea*. 2. Auflage. Stuttgart–New York–Amsterdam: 1–532.
- 1981 Some Diptera Thaumaleidae from Europe. *Aquat. Ins.*, **3**: 129–146.
- Väisänen, R.**
- 1979 New species of the genus *Mycomya* (Diptera, Mycetophilidae) from Finland. *Annl's ent. fenn.*, **45**: 109–115.
- 1980 *Mycomya mituda* sp. n. from southern Finland (Diptera, Mycetophilidae). *Notul. ent.*, **60**: 63–64.
- 1981 Taxonomic notes on Mycetophilidae (Diptera). *Notul. ent.*, **61**: 164.
- 1982 Genus *Neoempheria* (Diptera, Mycetophilidae) in Finland, with a description of a new species. *Notul. ent.*, **62**: 1–7.

**Väisänen, R. and Matile, L.**

- 1980 Une nouvelle espèce alpine du genre *Mycomya* (Dipt., Mycetophilidae). *Entomologiste*, **36**(4-5): 181-184.

**Van Duzee, M. C.**

- 1928 New Mycetophilidae taken in California and Alaska. *Proc. Calif. Acad. Sci.*, (4) **17**: 31-65.

**Vargas, L.**

- 1942 Notas sobre la terminalia de algunos Simulidos de Mexico. S. (E.) paynei n. n. Vargas. *Revta Inst. Salubr. Enferm. trop.*, **3**: 229-249.
- 1953 *Beltranmyia* n. subg. de *Culicoides*. *Revta Inst. Salubr. Enferm. trop.*, **13**: 33-36.
- 1962 Los subgeneros de *Culicoides* de la U.R.S.S. *Med. Revta mex.*, **42**: 45-47.
- 1973 *Wirthomyia*, a new subgenus of *Culicoides*. *Mosquito News*, **33**(1): 112-113.

**Vargas, L. and Kremer, M.**

- 1972 *Callotia* — a new subgenus of *Culicoides*. *Mosquito News*, **32**(2): 242-243.

**Vargas, L., Martinez Palacios, A. and Diaz Najera, A.**

- 1946 Simulidos de Mexico. *Revta Inst. Salubr. Enferm. trop.*, **7**: 101-192.

**Villeneuve, J.**

- 1918 Première note sur quelques Nématocères vulnérants (Dipt.). *Bull. Soc. ent. Fr.*, **4**: 96-99.

**Villers, C.**

- 1789 *Caroli Linnaei entomologia, fauna sueciae descriptionibus aucta*. Lugduni [= Lyon], **3**: 1-657.

**Vimmer, A.**

- 1928 Nove Palestinske druhy se sberu Bodenheimerova. *Čas. čsl. Spol. ent.*, **25**: 55-60.
- 1932 Nove druhy podčeledi *Ceratopogoninae* ze sběru Bodenheimerova. *Sb. ent. Odd. nár. Mus. Praze*, **10**(79): 130-144.

**Violovitsh, N. A. (See RUBZOV, I. A. and VILOVITSH, N. A.)****Vockeroth, J. R.**

- 1972 A new Nearctic genus of Mycetophilidae (Diptera) with a stenopterous female. *Can. Ent.*, **104**(10): 1529-1533.
- 1976 The species of the *Macrocera nobilis* group in the Holarctic Region (Diptera: Mycetophilidae). *Can. Ent.*, **108**(11): 1229-1233.
- 1981 Mycetophilidae. In: *Manual of Nearctic Diptera*. Ottawa, **1**: 223-246.

**Wada, Y.**

- 1979 The segnis group of *Culicoides* Latreille from Japan, with description of a new species. *Trop. Med. Nagasaki*, **21**(4): 197-210 (In Japanese).

**Wada, Y. and Kitaoka, S.**

- 1977 Preliminary arrangement of Japanese *Culicoides* into groups. *Trop. Med. Nagasaki*, **19**(3-4): 169-176 (In Japanese).

**Wagner, R.**

1980 Notes on some Thaumaleidae (Diptera) from Southeast Europe. *Aquat. Ins.*, **2**: 13–17.

1981 Thaumaleiden aus dem Mittelmeergebiet. *Spixiana*, **4**: 143–152.

**Wahlberg, P. F.**

1839 Bidrag till svenska dipternas Kännedom. *K. svenska VetenskAkad. Handl.* (3), **1839**: 1–23.

1844 Nya Diptera fröh Lapland. *Öfvers. K. VetenskAkad. Förh.*, **1**: 106–110.

**Walker, F.**

1836 Notes on Diptera. *Ent. Mag.*, **4**: 113–117.

1837 Notes on Diptera. *Ent. Mag.*, **4**: 226–230.

1848 *List of the specimens of dipterous insects in the collection of the British Museum*. London, **1**: 1–229.

1856 *Insecta Britannica. Diptera*. London, **3**: XXIV + 1–352.

**Wasman, E.**

1893 Einige myrmecophile Ceratopogon-Larve. *Wien. ent. Ztg*, **12**: 277–279.

**Weiss, A.**

1912 *Mycterotypus lauræ* n. sp. Chironomide nouveau du Sud-Tunésien. *Archs Inst. Pasteur Tunis*, **1**: 24–31.

**Westwood, J. O.**

1840 *Synopsis of the genera of British insects*: 1–158 (separately paginated). In: An introduction to the modern classification of insects; founded on the natural habits and corresponding organization of the different families. London, **2**: XI + 1–587.

**Wiedemann, C. R. W.**

1817 Neuer Zweiflügler (Diptera Linn.) aus der Gegend um Kiel. *Zool. Mag., Kiel*, **1**: 61–86.

**Williams, R. W.**

1955 Two new species of *Culicoides* from Cheboygan Country, Michigan. *Proc. ent. Soc. Wash.*, **57**(6): 269–274.

**Williston, S. W.**

1896 XI. On the Diptera of St. Vincent (West Indies). *Trans. R. ent. Soc. Lond.*, **1896**(3): 253–270.

1907 Dipterological notes. *Jl N.Y. ent. Soc.*, **15**: 1–2.

**Winnertz, J.**

1846 Beschreibung einiger neuen Gattungen aus der Ordnung der Zweiflügler. *Stettin. ent. Ztg*, **7**(1): 11–20.

1852 Dipterologisches. *Stettin. ent. Ztg*, **13**(2): 49–58.

1852 Beitrag zur Kenntnis der Gattung *Ceratopogon* Meigen. *Linn. ent.*, **6**: 1–80.

1863 Beitrag zu einer Monographie der Pilzmücken (Mycetophilidae). *Verh. zool.-bot. Ges. Wien*, **13**: 637–964.

**Wirth, W. W.**

1952 The Heleidae of California. *Univ. Calif. Publs Ent.*, **9**(2): 95–266.

- 1956 The biting midges ectoparasitic on blister beetles. *Proc. ent. Soc. Wash.*, **58**(1): 15–23.
- 1962 A reclassification of the Palpomyia-Bezzia-Macropheza groups, and a revision of the North American Sphaeromiini. *Ann. ent. Soc. Am.*, **55**(3): 272–287.
- 1970 The biting midges of the Forcipomyia pallida group. *Proc. ent. Soc. Wash.*, **72**(3): 333–339.
- 1971 Six new North American species of Probezzia, with biological notes and a key to species. *Ann. ent. Soc. Am.*, **64**(3): 729–739.
- 1971 A review of the “stick-ticks”, neotropical biting midges of the Forcipomyia, subgenus Microhelea parasitic on walking stick insects. *Ent. News*, **82**: 229–245.
- 1973 Family Ceratopogonidae (Heleidae). In DELFINADO and HARDY: *A catalog of the Diptera of the Oriental Region*. Honolulu, 1: 346–388.
- Wirth, W. W.** (See UTMAR, J. A. and WIRTH, W. W.)
- Wirth, W. W. and Blanton, F. S.**
- 1969 New species and records of Culicoides from Western North America. *Proc. ent. Soc. Wash.*, **71**(4): 556–567.
- Wirth, W. W. and Cavalieri, F.**
- 1975 Sobre la identidad de Euprojoannisia platensis Brèthes, 1914. *Neotropica*, **21**(66): 125–126.
- Wirth, W. W. and Hubert, A. A.**
- 1959 Trithecoides, a new subgenus of Culicoides. *Pacif. Insects*, **1**(1): 1–38.
- 1961 New species and records of Taiwan Culicoides. *Pacif. Insects*, **3**(1): 11–26.
- Wirth, W. W. and Messersmith, D. H.**
- 1977 Notes on the biting midges of the Seychelles. *Proc. ent. Soc. Wash.*, **79**(3): 293–309.
- Wirth, W. W. and Ratanaworabhan, N. C.**
- 1971 Ceratoculicoides, a new genus related to Ceratopogon Meigen. *Proc. ent. Soc. Wash.*, **73**(2): 170–177.
- Wirth, W. W., Ratanaworabhan, N. C. and Blanton, F. S.**
- 1974 Synopsis of the genera of Ceratopogonidae. *Annls Parasit. hum. comp.*, **49**(5): 595–613.
- Wood, D. M.**
- 1978 Taxonomy of the Nearctic species of Twinnia and Gymnopais (Diptera, Simuliidae) and a discussion of the ancestry of the Simuliidae. *Can. Ent.*, **110**: 1297–1337.
- Worobez, E. I.**
- 1977 A new species of black fly from the genus Gomphostilbia End. (= Eusimulium Roub.) from Yakutia. Таксоны фауны Сибири: 62–67 (In Russian).

**Wulp, F. M. van der**

- 1858 Der Beschrijving van eenige twijfelachtige soorten van Diptera uit de familie der Nemocera. *Tijdschr. Ent.*, **2**: 159–185.
- 1874 Dipterologische aantekeningen. *Tijdschr. Ent.*, **17**: 109–148.
- 1876 Verslag van de dertigste zomervergadering der Nederlandsche Entomologische Vereeniging gehouden te Amsterdam on Zaterdag 24 Julij 1875. *Tijdschr. ent.*, **19**: I–LIV.
- 1877 *Diptera Neerlandica*. De tweevleuglige insekten van Nederland, **1**: 1–497.
- 1881 Amerikaansche Diptera. *Tijdschr. ent.*, **24**: 141–168.

**Yamashita, J., Kitamura, Y. and Nakamura, R.**

- 1957 Studies on "kasen" of horses in Hokkaido IV. Researches of the punkies in Hokkaido with description of a new species. *Jap. J. vet. Res.*, **5**(3): 89–96.

**Yankovsky, A. V.**

- 1977 New species of black flies (Diptera, Simuliidae) from Khabarovsk Province. In SKARLATO et al. (eds): Систематика и фаунистика насекомых. Leningrad: 96–102 (In Russian).
- 1978 Ecology and systematics of the striped black flies of the group *Byssodon maculata* Meigen (Diptera, Simuliidae). *Ent. Obozr.*, **57**(1): 169–179 (In Russian).
- 1979 Two new species of black flies of the genus *Cnetha* Enderlein (Diptera, Simuliidae). *Ent. Obozr.*, **58**(1): 172–178 (In Russian).
- 1982 A new species of black flies, *Gymnopais frontatus* sp. n. from Kamchatka (Simuliidae). *Parazitologiya*, **16**(2): 160–162 (In Russian).
- 1982 Two new species of black flies, *Hemicnetha tsharae* sp. n. and *Simulium vershininae* sp. n. from Tshita District, Tshara Valley (Simuliidae). *Parazitologiya*, **16**(3): 248–253 (In Russian).

**Yankovsky, A. V. (See RUBZOV, I. A. and YANKOVSKY, A. V.)****Yao, W. P.**

- 1964 A new species of *Culicoides* Latreille *Culicoides mongolensis* sp. n. *Acta ent. sin.*, **13**(2): 287–291.

**Yoshida, Y. (See OKAMOTO, M., YOSHIDA, Y., SATO, A. and SHAGAKI, Y.)****Yu, J.-X.**

- 1963 A new species of *Leptoconops* from China—*L. (Holoconops) yunhsienensis*. *Acta zool. sin.*, **15**(3): 450–452 (In Chinese).

**Zaitzev, A. I. (ZAITSEV, A., ZAJTZEV, A. I.)**

- 1978 Flies of the family Ditomyiidae (Diptera) from the USSR. *Ent. Obozr.*, **57**(3): 668–676 (In Russian).
- 1979 Xylophilous larvae of the subfamily Sciophilinae (Diptera, Mycetophilidae). *Ent. Obozr.*, **57**(3): 668–676 (In Russian).
- 1980 A new species of the genus *Ditomyia* (Diptera, Ditomyiidae) from the Soviet Far East. *Zool. Zh.*, **59**: 1893–1895 (In Russian with English summary).

- 1981 New and little known species of the Mycetophilids tribe Sciophilini (Diptera, Mycetophilidae) from the Far East and Middle Asia. *Ent. Obozr.*, **60**(2): 395–400 (In Russian).
- 1981 Состав и положение в системе двукрылых рода *Allactoneura* de Meijere (Diptera, Mycetophilidae). *Ent. Obozr.*, **60**: 901–913.
- Zaitzeva, N. P.** (See OSTROVERKHOVA, G. P. and ZAITZEVA, N. P.)
- Zetterstedt, J. W.**
- 1838–1840 *Dipterologia Scandinaviae*. Sect. 3: Diptera. In: *Insecta Lapponica*: 477–868.  
[The pages are double-columned, each column numbered. The work was issued in 6 parts (Heft), Lipsiae [= Leipzig], **1838**: 1–256, 257–476, 477–868; **1839**: 869–1014; **1840**: 1015–1036, 1037–1140 + I + VI + title page dated 1840 (this is why several authors quoted the whole work as published in 1840.)]
- 1850 *Diptera scandinaviae disposita et descripta*. Lundae [= Lund], **9**: 3367–3710.
- 1851 *Diptera scandinaviae disposita et descripta*. Lundae [= Lund], **10**: 3711–4090.
- 1852 *Diptera scandinaviae disposita et descripta*. Lundae [= Lund], **11**: I–XII + 4091–4545.
- 1855 *Diptera scandinaviae disposita et descripta*. Lundae [= Lund], **12**: I–XX + 4547–4942.
- 1860 *Diptera scandinaviae disposita et descripta*. (Part.) Tomus decimus quartus seu ultimus, continens addenda, corrigenda and emendanda tomis prioribus, una cum indice alphabetico novarum specierum hujus and praecedentis tomi, atque generico omnium tomorum. Lundae [= Lund], **14**: 6191–6609.
- Zhogolev, D. T.**
- 1969 Новый вид мокреца из Таджикистана. *Izv. Akad. Nauk tadjhik. SSR. Biol.*, **1969**(2): 114–116 (In Russian).
- 1973 The new species of biting midges of the genus *Culicoides* from the West Pamir. *Parazitologiya*, **7**(2): 185–186 (In Russian).
- Zhogolev, D. T.** (See REMM, H. and ZHOGOLEV, D. T.)
- Zilahi-Sebess, G.**
- 1930 Zwei neue Chironomiden-Arten aus dem Balatongebiet. *Arb. ung. biol. ForschInst.*, Tihany, **3**(1): 186–205 (In Hungarian with German summary).
- 1931 Anabiotische Dipteren. *Arch. Hydrobiol.*, **23**(2): 310–329.
- 1933 Unsere blutsaugenden Chironomiden. *Allatt. Közl.*, **30**(3–4): 146–151 (In Hungarian with German summary).
- 1934 Beiträge zur Fliegenfauna Bulgariens I. Chironomiden. *Izv. bulg. ent. Druzh.*, **8**: 152–158.
- 1936 Über Heleiden des Balaton-Gebiet. *Arb. ung. biol. ForschInst.*, **8**: 196–206 (In Hungarian with German summary).

- 1936 Die Heleidenfauna von Szeged und Umgebung. *Acta biol., Szeged*, **4**(1): 39–45 (In Hungarian with German summary).
- 1940 Magyarország Heleidai. *Folia ent. hung.*, **5**: 10–133 (In Hungarian with German summary).
- 1941 Atrichopogon Biroi n. sp. eine neue Heleiden-Art aus Tunis. *Folia ent. hung.*, **6**(3–4): 83–86.
- 1956 Neue Nematoceren (Diptera) aus dem Karpatenbecken. *Acta zool. hung.*, **2**: 433–440.
- Zivkovitch, V.**
- 1955 Recherches morphologiques et ecologiques sur les Simuliides du Danube avec une étude particulière de *S. colombaczense* (Schönb.). *Acad. serbe sci. Monogr.*, **245**(4): 1–95.
- 1959 Description d'une nouvelle espèce de similie *S. simici* n. sp. (Diptera, Simuliidae) trouvée en Yougoslavie. *Bull. Soc. Path. exot.*, **52**(3): 287–294.
- Zivkovitch, V. and Grenier, P.**
- 1959 Description d'une similie nouvelle (*S. ibariense* n. sp.) (Diptera, Simuliidae) trouvée en Yougoslavie. *Bull. Soc. Path. exot.*, **52**(2): 215–223.
- Zwick, H.**
- 1974 Faunistisch-ökologische und taxonomische Untersuchungen an Simuliidae (Diptera) unter besonderer Berücksichtigung der Arten des Fulda-Gebiets. *Abh. senckenb. naturforsch. Ges.*, **533**: 1–116.
- 1974 Die Simuliidae der Kollektion Strobl. *Beitr. Ent.*, **24**(5–8): 315–316.
- Zwick, H. and Crosskey, R. W.**
- 1980 The taxonomy and nomenclature of the black flies (Diptera, Simuliidae) described by Meigen. *Aquat. Ins.*, **2**(4): 225–247.
- Zwolski, W.**
- 1964 *Greniera sedecimfistulata* n. sp. przyczynek do znajomosci fauny meszek (Simuliidae, Diptera) Polski. *Annls Univ. Mariae Curie-Sklodowska (C)*, **19**(6): 101–110.



## Index

Names are indexed as follows:

**CAPITALS:** All valid names for taxa above the generic level.

**ITALICIZED CAPITALS:** All synonymous names for taxa above the generic level.

**Roman:** All valid names of genera and for taxa below the generic level.

**Italics:** All synonymous names of genera and for taxa below the generic level including nomina dubia, names of doubtful species, errors or emendations, misidentifications.

Names of extra-Palaeartic species are in square brackets.

- abaca RUBZOV, ssp., Odagmia, 164  
abbreviata LANDROCK, Mycetophila, 266  
abbreviata (BECKER), Phronia, 280  
abbreviatum RUBZOV, Simulium, 180  
abchazicus DZHAFAROV, Culicoides, 50  
abdita PLASSMANN, Boletina, 242  
abdominalis TOKUNAGA, Ceratopogon, 44  
abdominalis SASAKAWA et TAMU, Cerotelion, 201  
*abdominalis* (SANTOS ABREU), Culicoides, 84  
abdominalis TOKUNAGA, Forcipomyia, 103  
*abdominalis* (SANTOS ABREU), Helea, 109  
abdominalis OKADA, Macrocera, 213  
*abdominalis* (STAEGER), Mycetophila, 264  
*abdominalis* SANTOS ABREU, Phronia, 280  
*aberrans* DZIEDZICKI, Anatella, 303  
aberrans LUNDSTRÖM, Trichonta, 290  
abhazica REMM, Dasyhelea, 79  
abiecta (LAŠTOVKA), Mycetophila, 266  
*abludens* REMM, Forcipomyia, 97  
abreui KIEFFER, Dasyhelea, 75  
abreui LANDROCK, Phronia, 280  
*abruptinervis* (STROBL), Mycomya, 222, 227  
acanthophora REMM, Forcipomyia, 103  
acer CLASTRIER, Leptoconops, 112  
achkamalicus DZHAFAROV, Culicoides, 54  
achrayi KETTLE et LAWSON, Culicoides, 54  
acidicola (TOKUNAGA), Forcipomyia, 97  
acmeria ONO, Cnetha, 140  
acmodonta OSTROVERKHOVA, Trichonta, 290  
Acnemia WINNERTZ, 231  
acra OSTROVERKHOVA, Phronia, 280  
acrotrichum (RUBZOV), Gnus, 161  
acta DZIEDZICKI, Rymosia, 322  
actoni SMITH, Culicoides, 50  
aculeata OSTROVERKHOVA, Boletina, 242  
aculeata OSTROVERKHOVA, Exechiopsis, 320  
aculeatum (RIVOSECCHI), Urosimulium, 124  
acuminata KIEFFER, Dasyhelea, 73  
acuta REMM, Bezzia, 29  
acutipallus RUBZOV, ssp., Odagmia, 170  
acutum PATRUSHEVA, Boreosimulium, 132  
adamsi EDWARDS, Sciophila, 238  
*Adelinia* A. COSTA, 203  
adhesipes (MACFIE), Forcipomyia, 95  
Adidocidia LAŠTOVKA et MATILE, subg., 211  
*Adidocida* LAŠTOVKA et MATILE, 211  
adjacens (KIEFFER), Atrichopogon, 93  
adornata RUBZOV, Obuchovia, 159  
adumbrata MIK, Mycetophila, 266  
*adunca* EDWARDS, Trichonta, 290  
*adusta* KIEFFER, Palpomyia, 24  
aegyptia KIEFFER, Bezzia, 29  
*aegyptius* KIEFFER, Atrichopogon, 92  
aemulum RUBZOV, Simulium, 180  
[aeschnosuga DE MEIJERE, Ceratopogon, 95]  
*aestiva* (WINNERTZ), Dasyhelea, 75  
*aestiva* (VAN DER WULF), Mycomya, 222  
*aestivalis* (RUBZOV), ssp., Cnetha, 144  
*aestivalis* (WINNERTZ), Orfelia, 206  
*aestivalis* DZIEDZICKI, Phronia, 285  
*aestivalis* KNOZ, Prosimulium, 122  
aethiops (GOETGHEBUER), Atrichopogon, 87  
*affinis* (STAEGER), Bezzia, 25  
*affinis* A. COSTA, Ceroplatus, 209  
*affinis* OKADA, Eudicrana, 234  
*affinis* OKADA, Leica, 260

- affinis* (STAEGER), Mycomya, 229  
*affinis* (STEPHENS), Odagmia, 171  
*affinis* WINNERTZ, Rymosia, 322  
*affinis* OSTROVERKHOVA, Trichonta, 290  
*affluctata* EDWARDS, Mycetophila, 268  
*africana* LUNDSTRÖM, Platyura, 209  
*agarici* (VILLERS), Tipula, 279  
*Agaromya* RONDANI, 248  
*agathensis* CALLOT, KREMER et RIOUX, 66  
*agnatum* BARANOV, Simulium, 180  
*Ahaimophaga* CHUBAREVA, 116  
*aino* OKADA, Acnemia, 232  
*aino* OKADA, Zygomya, 295  
*aithalodes* REMM, Dasyhelea, 79  
*ajbassovi* SHAKIRZJANOVA, Culicoides, 66  
*ajjerensis* CLASTRIER, Ceratopogon, 46  
*akikoe* SAIGUSA, Symmerus, 198  
*akizukii* TOKUNAGA, Atrichopogon, 87  
*akizukii* TOKUNAGA, Forcipomyia, 101  
*alacris* (WINNERTZ), Forcipomyia, 99  
*alacris* (WINNERTZ), Mycomya, 222  
*alainus* REMM, Atrichopogon, 91  
*alajense* (RUBZOV), Tetisimulium, 172  
*alajensis* RUBZOV, Phoretodagmia, 172  
*Alasion* RONDANI, 16  
*alatauensis* REMM, Forcipomyia, 103  
*alatavicus* GUTSEVICH et SMATOV, Culicoides, 54  
*alazanicus* DZHAFAROV, Culicoides, 54  
*alba* TOKUNAGA, Stilobezzia, 39  
*albata* RUBZOV, ssp., Odagmia, 168  
*albella* (RUBZOV), Obuchovia, 159  
*albensis* (RIVISECCHI), Helodon, 123  
*albescens* DZIEDZICKI, Trichonta, 292  
*[albibasis* MALLOCH, Johannsenomyia, 13]  
*albicans* (WINNERTZ), Culicoides, 54  
*albicornis* (MEIGEN), Bezzia, 33  
*albicornis* KIEFFER, Monohelea, 38  
*albidigaster* (SANTOS ABREU), Culicoides, 84  
*albidipes* (SANTOS ABREU), Atrichopogon, 91  
*albidipes* (SANTOS ABREU), Dasyhelea, 76  
*albifrons* RUBZOV, Odagmia, 166  
*albihalter* KIEFFER, Culicoides, 60  
*albihalteratus* GOETGHEBUER, Culicoides, 62  
*albipennis* (MEIGEN), Ceratopogon, 109  
*albipennis* KIEFFER, Culicoides, 72  
*albipennis* KIEFFER, Palpomyia, 17  
*albipes* (WINNERTZ), Bezzia, 29  
*albipes* RUBZOV, ssp., Gnus, 162  
*albipileata* ENDERLEIN, Cnetha, 140  
*albiscapula* KIEFFER, Atrichopogon, 91  
*albiradialis* TOKUNAGA, Forcipomyia, 103  
*albitarsis* TOKUNAGA, Ceratopogon, 44  
*albitarsis* MEIGEN, Macropeza, 12  
*albitarsis* (WIEDEMANN), Monohelea, 36  
*albitarsis* KIEFFER, Sertomyia, 35  
*alboclavata* (KIEFFER), Forcipomyia, 101  
*albohalterata* (SANTOS ABREU), Dasyhelea, 79  
*alboarginatus*, CURTIS, Sphaeromias, 16  
*albonotatus* KIEFFER, Culicoides, 72  
*albonotatus* VIMMER, Culicoides, 67  
*albosignata* KIEFFER, Bezzia, 31  
*albosignatus* VIMMER, Culicoides, 67  
*albostylus* REMM, Forcipomyia, 101  
*alboverrucosa* REMM, Dasyhelea, 80  
*aldanica* REMM, Bezzia, 29  
*alea* LAFFOON, Mycetophila, 266  
*alexandrae* DZHAFAROV, Culicoides, 54  
*alfierii* KIEFFER, Atrichopogon, 88  
*algarum* (ZILAH-SEBESS), Bezzia, 26  
*algarum* KIEFFER, Culicoides, 67  
*algarum* KIEFFER, Dasyhelea, 84  
*algarum* KIEFFER, Palpomyia, 20  
*algecirensis* (STROBL), Ceratopogon, 72  
*algeriana* CLASTRIER, Bezzia, 25  
*algeriana* CLASTRIER, Palpomyia, 17  
*algeriensis* CLASTRIER, Culicoides, 54  
*algeriensis* CLASTRIER, Leptoconops, 112  
*algira* (VAILLANT), Protothaumalea, 188  
*alichurensis* (RUBZOV), Sulcinephia, 131  
*aliena* WALKER, Sciophila, 326  
*aliena* (WALKER), Sciophila, 256  
*alizadei* (DJAFAROV) ssp., Montisimulium, 138  
*Allactoneura* DE MEIJERE, 253  
*ALLACTONEURINI*, 253  
*allocera* KIEFFER, Forcipomyia, 103  
*Allocotocera* MIK, 232  
*Allodia* WINNERTZ, 297  
*Allodia* WINNERTZ, subg., 297  
*Allodiopsis* TUOMIKOSKI, 300  
*Allodiopsis* TUOMIKOSKI, subg., 300  
*Allohelea* KIEFFER, subg., 37  
*Allohelea* KIEFFER, 36  
*Allophallus* DZIEDZICKI, 265  
*Alluaudomyia* KIEFFER, 40  
*almeidae* CAMBOURNAC, Culicoides, 48  
*alonensis* (STROBL), Ceratopogon, 84  
*alpestris* (DOROGOSTAJSKY, RUBZOV et VLA-  
 SENKO), Ahaimophaga, 116  
*alpicola* (STROBL), Ceratopogon, 72  
*alpicola* WINNERTZ, Macrocera, 213  
*alpicola* (STROBL), Palaeodocosia, 252  
*alpicoloides* OKADA, Macrocera, 213  
*alpina* PLASSMANN, Anatella, 302  
*alpina* STROBL, Boletina, 243  
*alpina* (CLASTRIER), Mallochohelea, 13  
*alpina* MATILE, Mycomya, 222

- alpina* STROBL, Rymosia, 323  
*alpina* VAILLANT, Thaumalea, 188  
*alpinus* (RUBZOV), Montisimulium, 137  
*alpinus* CLASTRIER, Ceratopogon, 44  
*alpium* OGATA, ssp., Prosimulium, 123  
*altaica* (RUBZOV), ssp., Ahaimophaga, 116  
*altaica* REMM, Forcipomyia, 103  
*altaica* OSTROVERKHOVA, Macrocera, 213  
*alticus* REMM, Culicoides, 54  
*altera* BECKER, Azana, 233  
*alterna* MEIGEN, Mycetophila, 326  
*alternans* (ZETTERSTEDT), Allodia, 298  
*alternans* (WINNERTZ), Clastobasis, 254  
*alternans* (ENDERLEIN), Cleitosimulium, 174  
 [alternata BRUNETTI, Macrocera, 213]  
*alticola* SCHMID, Thaumalea, 188  
*alveolatus* NIELSEN, Atrichopogon, 87  
*amabile* (DUFOUR), Dynatosoma, 263  
*amamiensis* TOKUNAGA, Culicoides, 48  
*ambigua* (MEIGEN), Ceratopogon, 109  
*ambigua* GRZEGORZEK, Tetragoneura, 262  
 [ambiguum SHIRAKI, Simulium, 178]  
*ammossovi* REMM, Bezzia, 29  
*amnis* RUBZOV, ssp., Odagmia, 168  
*amoena* (WINNERTZ), Acnemia, 232  
*amoena* WINNERTZ, Brevicornu, 308  
*amoena* WINNERTZ, Mycetophila, 279  
*amoenus* (WINNERTZ), Culicoides, 51  
*amossovae* REMM, Culicoides, 54  
*amphora* LADLE et BASS, Metacnephia, 128  
*amplifemoralis* CHANTAWANICH et DELFINADO,  
 Leptoconops, 112  
*amurensis* (RUBZOV), Cnetha, 140  
*Anaclileia* MEUNIER, 233  
*Anaclinia* WINNERTZ, 236  
*Anakempia* KIEFFER, 42  
*analis* (MEIGEN), Allodia, 297  
*analis*: LANDROCK, Boletina, 245  
*analis* (MEIGEN), Boletina, 244  
*analis* KIEFFER, Culicoides, 65  
*analis* SANTOS ABREU, Culicoides, 72  
*analis* MEIGEN, Mycetophila, 327  
*analis* (WINNERTZ), Sciophila, 239  
*Anatella* WINNERTZ, 302  
*ancae* MATILE, Macrorrhyncha, 203  
*anderlicei* BARANOV, ssp., Odagmia, 168  
*anderschi* (STANNIUS), Boletina, 242  
*Androprosopa* MIK, 187  
*angarensis* RUBZOV, Cnephia, 128  
*angelicae* TOKUNAGA, Forcipomyia, 100  
*anglica* EDWARDS, Macrocera, 213  
*anglofenica* EDWARDS, Allodia, 297  
*angulata* (LUNDSTRÖM), Allodia, 297  
*angulata* REMM, Bezzia, 29  
*angulata* MEIGEN, Macrocera, 213  
*anguliforceps* TOKUNAGA, Forcipomyia, 103  
*angulosa* OSTROVERKHOVA, Exechiopsis, 316  
*angulosa* OSTROVERKHOVA, Phronia, 283  
*angusta* PLASSMANN, Zygomyia, 295  
*angustata* (RUBZOV), Cnetha, 141  
*angusticornis* (RUBZOV), Cnetha, 141  
*angustifilum* RUBZOV, Simulium, 176  
*angustifrons* (ENDERLEIN), Cnetha, 141  
*angustifurca* RUBZOV, Wilhelmia, 154  
*angustimanus* ENDERLEIN, Odagmia, 163  
*angustipennis* KIEFFER, Palpomyia, 17  
*angustipes* (EDWARDS), Eusimulium, 150  
*angustitarsis* (LUNDSTRÖM), Nevermannia, 147  
*anisoloba* OSTROVERKHOVA, Phronia, 280  
*annae* RUBZOV, Eusimulium, 150  
 [annandalei BRUNETTI, Isoneuromyia, 201]  
*annulata* (MEIGEN), Ceratopogon, 109  
*annulata* MACQUART, Mycetophila, 326  
*annulata* (MEIGEN), Sciophila, 230  
*annulata* WINNERTZ, Phronia, 282  
*annulatus* (MEIGEN), Symmerus, 198  
*annulicoxa* MIK, Macrocera, 214  
*annuliforme* (RUBZOV), Boreosimulium, 132  
*annulipes* (MEIGEN), Bezzia, 25  
*annulipes* TOKUNAGA, Forcipomyia, 99  
*annulipes* (BECKER), Nevermannia, 149  
*annulitarsis* (ZETTERSTEDT), Schoenbaueria, 153  
*annulitibia* ENDERLEIN, ssp., Wilhelmia, 155  
*annulum* (LUNDSTRÖM), Boreosimulium, 132  
*anomala* (STAEGER), Azana, 233  
*anomala* (MACQUART), Ceratopogon, 109  
*anomala* (MACQUART), Cordyla, 310  
*antennalis* OKADA, Symmerus, 198  
*antennata* BECKER, Docosia, 254  
*antica* (WALKER), Orfelia, 206  
*Antlemon* LOEW, 200  
*Antlemon* LOEW, subg., 200  
*Antlemonopsis* TOLLET, subg., 200  
*Antlemonopsis* TOLLET, 200  
*antrijovis* (KIEFFER), Ceratopogon, 109  
*aokii* (TAKAHASI), Odagmia, 163  
*Apelma* KIEFFER, 94  
*Apemon* JOHANNSEN, 207  
*aperta* LUNDSTRÖM, Bolitophila, 195  
*aperta* GOETGHEBUER, Dasyhelea, 80  
*aperta* MARTINOVSKY et ROŽKOSNÝ, Thaumalea,  
 188  
*apicalis* (WALKER), Boletina, 245  
*apicalis* VON ROSER, Ceratopogon, 34  
*apicalis* MEIGEN, Gnoriste, 250  
*apicalis* (VON ROSER), Leptomorphus, 235

- apicalis* HOFFMEISTER, Macrocera, 213  
*apicalis* (WINNERTZ), Mycomya, 229  
*apicalis* (STROBL), Palpomyia, 22  
*apicalis* WINNERTZ, Phronia, 281  
*apicalis* (ZETTERSTEDT), Rondaniella, 262  
*apicalis* (WINNERTZ), Symmerus, 198  
*apicalis* MEIGEN, Tarnania, 325  
*apicalis* STROBL, Trichonta, 290  
*apicalis*: DZIEDZICKI, 227  
 [apicipennis (BRUNETTI), Olferia, 205]  
*Apogon* RONDANI, 16  
 aponium ONO, Prosimulium, 118  
*Apolephthisa* GRZEGORZEK, 242  
*appendiculata* LACKSCHEWITZ, Rymosia, 324  
*appendiculatus* (GOETGHEBUER), Atrichopogon, 93  
*appenninica* RIVOSECCHI, ssp., Odagmia, 168  
*apropinquata* STROBL, Phronia, 281  
*apricans* (KIEFFER), Forcipomyia, 103  
*aquatica* KIEFFER, Forcipomyia, 101  
*aquatilis* GOETGHEBUER, Bezzia, 27  
*aquilinus* SMATOV et KRAVETS, Culicoides, 54  
*aquilonalis* CLASTRIER, Ceratopogon, 44  
*aquilonia* STACKELBERG, Macrocera, 213  
*arakawae* (ARAKAWA), Culicoides, 67  
*arakawae* MATSUMURA, Simulium, 180  
*arakawai* SEN et DAS GUPTA, Culicoides, 67  
*arborescens* (RUBZOV), Astega, 127  
*arbores* GUTSEVICH, Culicoides, 54  
*Archesimulium* RUBZOV et YANKOVSKY, subg., 176  
*Archesimulium* RUBZOV et YANKOVSKY, 175  
*arciforceps* TOKUNAGA, Dasyhelea, 80  
*arctica* HOLMGREN, Boletina, 242  
*arctica* ENDERLEIN, Schoenbaueria, 153  
*arcticum* (LUNDSTRÖM), Brevicornu, 306  
*arcticum* RUBZOV et CARLSSON, ssp., Prosimulium, 121  
*arcticum* (RUBZOV), Boreosimulium, 132  
*arcuata* MEIGEN, Mycetophila, 279  
*arcuata* ZETTERSTEDT, Mycetophila, 275  
*arcuatus* (WINNERTZ), Culicoides, 62  
*ardechira* VAILLANT, Thaumalea, 192  
*arenivaga* MACFIE, Dasyhelea, 80  
*arenosa* KIEFFER, Dasyhelea, 80  
*arenosa* (REMM et NASARMUCHAMEDOV), Palpomyia, 17  
*arensae* (RUBZOV), ssp., Odagmia, 168  
 [argenteosquamosa ENDERLEIN, Allactoneura, 253]  
*argenteostriatum* (STROBL), Cleitosimulium, 174  
*argentipile* RUBZOV, Eusimulium, 150  
*Argentisimulium* RUBZOV et YANKOVSKY, subg., 177  
*Argentisimulium* RUBZOV et YANKOVSKY, 175  
*argillacea* (OSTROVERKHOVA), Exechiopsis, 316  
*argylacea* (RUBZOV), Sulcicnephia, 131  
*argyrea* (MEIGEN), Odagmia, 163  
*argyreatum*: authors, 178  
*argyropezum* (MEIGEN), Simulium, 180  
*ariasi* (SÉGUY), Wilhelmia, 154  
*aricola* KIEFFER, Culicoides, 72  
*arida* (RUBZOV), Ahaimophaga, 117  
 [arisanum (SHIRAKI), Simulium, 176]  
*aristolochiae* RONDANI, Ceratopogon, 110  
*arkitensis* REMM, Palpomyia, 17  
*armandi* HARANT, W. HUTTEL et N. HUTTEL, Forcipomyia, 103  
*armata* WINNERTZ, Brachypeza, 305  
 [armata KIEFFER, Nilobezzia, 14]  
*armata* KIEFFER, Palpomyia, 17  
*armata* LACKSCHEWITZ, Rymosia, 322  
*armata* (MEIGEN), Serromyia, 35  
*armaticrus* KIEFFER, Bezzia, 31  
*armaticrus* KIEFFER, Forcipomyia, 107  
*armativentris* (KIEFFER), Atrichopogon, 92  
*armeniacum* RUBZOV, Eusimulium, 150  
*armipes* (MEIGEN), Palpomyia, 17  
*armoricana* (DOBY et DAVID), Cnetha, 141  
*arnaudi* HUBERT et WIRTH, Culicoides, 55  
*arpiense* (TERTERJAN et KACHVORIAN), Montisimulium, 137  
*arshanense* RUBZOV, Prosimulium, 118  
*arsona* HUTSON, Leia, 257  
*arvernense* GRENIER, Prosimulium, 122  
*asema* RUBZOV, Stegopterna, 125  
*asiatica* (OKADA), Mycetophila, 266  
*asiaticus* GUTSEVICH et SMATOV, Culicoides, 55  
*Asindulum* LATREILLE, 200  
*Asioditomyia* SAIGUSA, 197  
*aspinosa* RUBZOV, Metacnephia, 128  
*assadovi* (DJAFAROV), Montisimulium, 137  
*assimilis* MATILE, Mycetophila, 266  
*Astega* ENDERLEIN, 127  
*astyla* KIEFFER, Dasyhelea, 80  
*astyla* TOKUNAGA, Forcipomyia, 100  
*asulcatum* (RUBZOV), Montisimulium, 137  
*asymmetrica* REMM, Forcipomyia, 100  
*Asyndulum*, error, 200  
*atacina* CLASTRIER, Bezzia, 29  
*aterinervis* TOKUNAGA, Culicoides, 48  
*aterivena* TOKUNAGA, Alluaudomyia, 40  
*aterrima* (GRZEGORZEK), Anatella, 302  
*aterrima* (ZETTERSTEDT), Epicypta, 265

- aterrima* STACKELBERG, *Macrocera*, 213  
*aterrima* GOETGHEBUER, *Palpomyia*, 17  
*atlantis* (STORÅ), *Exechiopsis*, 320  
*atlas* (SÉGUY), *Tetisimulium*, 173  
*atomaria* TOKUNAGA, *Forcipomyia*, 109  
*atra* (MACQUART), *Cordyla*, 310  
*atra* OKADA, *Docosia*, 255  
*atra* MACQUART, *Mycetophila*, 279  
*atra* (MEIGEN), *Settomyia*, 35  
*atrata* (MACFIE), *Bezzia*, 33  
*atrata* STROBL, *Monoclona*, 235  
*atratus* (FABRICIUS), *Platyura*, 207  
*atribarba* KIEFFER, *Atrichopogon*, 86  
*atricauda* (ZETTERSTEDT), *Trichonta*, 290  
*atriceps* (EDWARDS), *Urytalpa*, 208  
*Atrichopogon* KIEFFER, 85  
*Atrichopogon*, KIEFFER, subg., 87  
*atricornis* (ZETTERSTEDT), *Isoneuromyia*, 202  
*atricoxa* KIEFFER, *Palpomyia*, 17  
*atrimemorata* CLASTRIER, *Bezzia*, 29  
*atrimanus* KIEFFER, *Palpomyia*, 19  
*atripectus* KIEFFER, *Palpomyia*, 24  
*atripennis* SHEVCHENKO, *Culicoides*, 55  
*atripes* ZILAH-SEBESS, *Bezzia*, 31  
*atripluma* KIEFFER, *Bezzia*, 33  
*atriscapula* KIEFFER, *Atrichopogon*, 91  
*atrofusca* RUBZOV, ssp., *Obuchovia*, 160  
*atromaculatus* GOETGHEBUER, *Atrichopogon*, 87  
*atropatenica* (SCHMID), *Orphnephilina*, 187  
*atrovittata* REMM, *Bezzia*, 29  
*attenuata* OSTROVERKHOVA, *Boletina*, 242  
*attenuata* MEIGEN, *Mycetophila*, 279  
*attonsa* GOETGHEBUER, *Forcipomyia*, 109  
*attonsa* (LAFFOON), *Mycetophila*, 267  
*auctum* OSTROVERKHOVA, *Brevicornu*, 306  
*auli* REMM, *Dasyhelea*, 80  
*aurensis* REMM, *Dasyhelea*, 80  
*aureofulgens* (TERTERJAN), *Cleitosisimulium*, 175  
*aureohirta* (BRUNETTI), *Nevermannia*, 148  
*aureola* CLASTRIER, *Stilobezzia*, 39  
*aureum* (FRIES), *Eusimulium*, 150  
*auricoma* (MEIGEN), *Obuchovia*, 159  
*auriculatum* (EDWARDS), *Brevicornu*, 306  
*aurivernica* CHANDLER, *Pseudexechia*, 321  
*auronitens* (KIEFFER), *Forcipomyia*, 96  
*ausrosparsum* (KIEFFER), *Forcipomyia*, 97  
*austeni* EDWARDS, *Simulium*, 180  
*australis* (RUBZOV), *Cnetha*, 141  
*austriaca* (MAYER), *Bolitophila*, 194  
*austriaca* WINNERTZ, *Phronia*, 281  
*austriaca* EDWARDS, *Thaumalea*, 188  
*autumnalis* LUNDSTRÖM, *Mycetophila*, 267  
*autumnalis* RUBZOV, ssp., *Odagmia*, 171  
*autumnata* OSTROVERKHOVA et GRISHINA, *Leia*, 257  
*Avaritia* FOX, subg., 50  
*Avaritia* FOX, 48  
*avastensis* REMM, *Atrichopogon*, 93  
*avetjanae* (RUBZOV et TERTERJAN), *Wilhelmia*, 155  
*aviarum* GUTSEVICH, *Leptoconops*, 111  
*aviculata* LUNDSTRÖM, *Phronia*, 281  
*avidum* RUBZOV, ssp., *Simulium*, 178  
*Azana* WALKER, 233  
*azerbaidzhanicum* DJAFAROV, *Eusimulium*, 150  
*azerbajdzhanicus* DZHAFAROV, *Culicoides*, 55  
*azorense* CARLSSON, *Eusimulium*, 150  
*baatori* RUBZOV, *Eusimulium*, 150  
*babai* SASAKAWA et KIMURA, *Boletina*, 242  
*babai* SASAKAWA, *Leptomorphus*, 234  
*babici* BARANOV, ssp., *Odagmia*, 168  
*bactriana* REMM, *Dasyhelea*, 74  
*baculata* REMM, *Dasyhelea*, 74  
*badooshensis* KHALAF, *Culicoides*, 59  
*Baeopterogyna* VOCKEROTH, 233  
*baffinense* (TWINN), *Boreosimulium*, 133  
*baghdadensis* KHALAF, *Culicoides*, 63  
*bai* REMM, *Atrichopogon*, 91  
*balachowskyi* MATILE, *Rymosia*, 322  
*balcanica* ENDERLEIN, *Wilhelmia*, 155  
*balcanicum* ENDERLEIN, *Prosimulium*, 122  
*balius* ARNAUD, *Culicoides*, 56  
*balozeti* CLASTRIER, *Palpomyia*, 17  
*baltasardi* SCHMID, *Thaumalea*, 188  
*baltica* REMM, *Dasyhelea*, 76  
*banaticum* DINULESCU, *Simulium*, 180  
*barabensis* (RUBZOV), *Cnetha*, 141  
*baracornis* ((SMART), *Odagmia*, 170  
*baranovi* (SMART), *Odagmia*, 164  
*barbarica* (SÉGUY), *Wilhelmia*, 157  
*barbata* (LUNDSTRÖM), *Allodia*, 298  
*barbativentris* ENDERLEIN, *Cnetha*, 141  
*barbipes* GIMMERTHAL, *Ceratopogon*, 110  
*barbipes* (WINNERTZ), *Pseudobrachypeza*, 321  
*barensis* BARANOV, ssp., *Odagmia*, 168  
*bargaensis* REMM, *Atrichopogon*, 87  
*bargaensis* REMM, *Bezzia*, 25  
*[barraudi* PURI, *Simulium*, 178]  
*bartulici* BARANOV, ssp., *Odagmia*, 168  
*basalis* (MEIGEN), *Boletina*, 242  
*basalis*: STAEGER, *Boletina*, 245  
*basalis* (WALKER), *Docosia*, 255  
*basalis* (WINNERTZ), *Orfelia*, 205  
*basalis* WINNERTZ, *Phronia*, 281  
*basicornis* (MAYER), *Bolitophila*, 194

- basiflagellatus* TOKUNAGA, *Ceratopogon*, 44  
*batava* (BARENDRECHT), *Rymosia*, 322  
*batifile* RUBZOV et SHAKIRZJANOVA, ssp., *Montisimulium*, 139  
*batoensis* (EDWARDS), *Gomphostilbia*, 135  
*baumhaueri* (MEIGEN), *Isoneuromyia*, 202  
*bavaria* PLASSMANN, *Tarnania*, 325  
*bayardi* MATILE, *Allodiopsis*, 301  
*beata* GAGNÉ, *Trichonta*, 290  
*beaucournui* MATILE, *Rymosia*, 322  
*beckeri* LANDROCK, *Leia*, 258  
*beckeri* (ROUBAUD), *Nevermannia*, 149  
*begbunarica* (BARANOV), *Wilhelmia*, 155  
*begueti* CLASTRIER, *Culicoides*, 55  
*begueti* KIEFFER, *Dasyhelea*, 80  
*behningi* (ENDERLEIN), *Schoenbaueria*, 153  
*belgica* KIEFFER, *Bezzia*, 28  
*belgicus* KIEFFER, *Culicoides*, 72  
*Beltranmyia* VARGAS, subg., 67  
*Beltranmyia* VARGAS, 48  
*beltukovae* (RUBZOV), *Cnetha*, 141  
*bensoni* EDWARDS, *Dasyhelea*, 76  
*bequaerti* GOETGHEBUER, *Forcipomyia*, 97  
*bergensis* (BARENDRECHT), *Cordyla*, 309  
*bergi* RUBZOV, *Simulium*, 180  
*beringensis* (COQUILLETT), *Boletina*, 243  
*bernardi* VAILLANT, *Thaumalea*, 189  
*bertrandi* HARANT et CELLIER, *Alluaudomyia*, 40  
*bertrandi* (GRENIER et DORIER), *Cnetha*, 141  
*beybienkoi* DZAFAROV, *Culicoides*, 55  
*Bezzia* KIEFFER, 24  
*Bezzia* KIEFFER, subg., 29  
*bezzii* (NOÉ), *Leptoconops*, 111  
*bezzii* STROBL, *Platyura*, 209  
*bezzii* (CORTI), *Tetisimulium*, 173  
*bezzii* EDWARDS, *Thaumalea*, 189  
*bezzii* LANDROCK, *Trichonta*, 291  
*bialorussica* DZIEDZICKI, *Mycetophila*, 267  
*bialorussica* LANDROCK, *Mycomya*, 222  
*bianchii* (RUBZOV), ssp., *Wilhelmia*, 155  
*biancoi* (RUBZOV), *Cnetha*, 141  
*biannulata* INGRAM et MACFIE, *Forcipomyia*, 103  
*biarcuata* (BECKER), *Phronia*, 281  
*biarcuatus* VIMMER, *Culicoides*, 72  
*bicineta* (STAEGER), *Exechia*, 311  
*biclavatus* KIEFFER, *Culicoides*, 49  
*bicolor* (MEIGEN), *Bezzia*, 25  
*bicolor* MAMAEV, *Mycetobia*, 219  
*bicolor* MACQUART, *Mycetophila*, 326  
*bicolor* (DZIEDZICKI), *Mycomya*, 222  
*bicolor* DZIEDZICKI, *Phronia*, 281  
*bicolor* (SANTOS ABREU), *Phronia*, 280  
*bicolor* MACQUART, *Platyura*, 209  
*bicolor* LANDROCK, *Trichonta*, 291  
*bicornis* (DOROGOSTAJSKY, RUBZOV et VLA-SENKO), *Cnetha*, 141  
*bicornis* STACKELBERG, *Coelosia*, 249  
*bicornuta* (LANDROCK), *Cordyla*, 309  
*bicrenata* KIEFFER, *Dasyhelea*, 80  
*bidentata* KIEFFER, *Bezzia*, 25  
*bidentatum* (SHIRAKI), *Gnus*, 161  
*bidentatus* KIEFFER, *Atrichopogon*, 86  
*bidentatus* GUTSEVICH, *Leptoconops*, 111  
*bidenticulata* SASAKAWA et KIMURA, *Boletina*, 243  
*bifasciata* (BECKER), *Leia*, 258  
*bifasciata* GIMMERTHAL, *Leia*, 258  
*bifasciata* (VON ROSER), *Leia*, 260  
*bifasciata* (VON ROSER), *Mycetophila*, 267  
*bifasciata* MACQUART, *Platyura*, 209  
*bifasciata* VON ROSER, *Platyura*, 209  
*bifida* ZILAHİ-SEBESS, *Dasyhelea*, 80  
*bifida* EDWARDS, *Rymosia*, 322  
*bifida* LUNDSTRÖM, *Trichonta*, 291  
*bifilis* KIEFFER, *Forcipomyia*, 105  
*bifistulatus* RUBZOV, *Gymnopsis*, 115  
*biformis* (OKADA), *Keroplatus*, 203  
*bifurcata* SASAKAWA et KIMURA, *Boletina*, 243  
*bifurcata* KIEFFER, *Dasyhelea*, 84  
*bihamata* KIEFFER, *Dasyhelea*, 84  
*bilineata* GOETGHEBUER, *Dasyhelea*, 76  
*bilineata* ZETTERSTEDT, *Gnoriste*, 250  
*bilineata* (WINNERTZ), *Leia*, 258  
*bilineata* (RUBZOV), *Metacnephia*, 128  
*bilineatus* KIEFFER, *Atrichopogon*, 91  
*bilobata* KIEFFER, *Dasyhelea*, 79  
*bilobata* OSTROVERKHOVA, *Dziedzicka*, 250  
*bimaculata* ZETTERSTEDT, *Bolitophila*, 195  
*bimaculata* (MEIGEN), *Leia*, 258  
*bimaculata* (FABRICIUS), *Mycetophila*, 275  
*bimaculata* (VON ROSER), *Neoempheria*, 230  
*bimaculata* RUBZOV, *Odagmia*, 164  
*binigrimaculata* TOKUNAGA, *Forcipomyia*, 103  
*binotata* (SHINJI), *Mycetophila*, 267  
*binotata* (STAEGER), *Palpomyia*, 20  
*binotata* (WALKER), *Zygomyia*, 296  
*bipartitum* LAŠTOVKA et MATILE, *Brevicornu*, 306  
*bipicta* REMM, *Palpomyia*, 17  
*bipunctata* (LINNAEUS), *Forcipomyia*, 103  
*bipunctata* EDWARDS, *Macrocera*, 213  
*bipunctatum* (AUSTEN), *Byssodon*, 134  
*bipunctatus* VIMMER, *Culicoides*, 71  
*biroi* ZILAHİ-SEBESS, *Atrichopogon*, 90  
*[biroi* ENDERLEIN, *Nevermannia*, 147]  
*birulai* LUNDSTRÖM, *Boletina*, 243  
*biseriata* (RUBZOV), *Obuchovia*, 159  
*bisignata* WINNERTZ, *Brachypeza*, 305

- biskraensis* GOETGHEBUER, Dasyhelea, 80  
*biskraensis* KIEFFER, Dasyhelea, 80  
*biskraensis* KIEFFER, Forcipomyia, 98  
*bispinosa* MAYER, Bolitophila, 195  
*bispinosa* LUNDSTRÖM, Exechia, 312  
*bispinosa* KIEFFER, Palpomyia, 18  
*bispinosa* LUNDSTRÖM, Palpomyia, 21  
*bispinosa* GOETGHEBUER, Serromyia, 35  
*bistriata* KIEFFER, Dasyhelea, 79  
*bisulca* (LACKSCHEWITZ), Mycomya, 222  
*bisulcatus* GUTSEVICH, Culicoides, 58  
*bitensis* KIEFFER, Forcipomyia, 104  
*biunguis* KIEFFER, Dasyhelea, 79  
*biunbrata* (EDWARDS), Neoplaturya, 205  
*biusta* MEIGEN, Mycetophila, 267  
*bivittata* SCHUMMEL, Gnoriste, 250  
*bivittata* VON ROSER, Leia, 259  
*bivittata* STROBL, Mycetophila, 277, 279  
*blanci* (GRENIER et THEODORIDES), Metacnephia, 128  
*blanda* WINNERTZ, Mycetophila, 267  
*blandiata* REMM, Bezzia, 26  
*bodenheimeri* VIMMER, Culicoides, 72  
*bohémica* KIEFFER, Bezzia, 26  
*bohémica* (LAŠTOVKA), Mycetophila, 267  
*boldstemta* ONO, Cnetha, 141  
*boleti* (KIEFFER), Forcipomyia, 104  
*Boletina* STAEGER, 242  
*Boletina*: authors, 248  
*Bolithomyza* RONDANI, 295  
*Bolitophila* MEIGEN, 193  
*Bolitophila* MEIGEN, subg., 194  
*Bolitophilella* LANDROCK, 193  
**BOLITOPHILIDAE**, 193  
*bonninense* SHIRAKI, Eusimulium, 150  
*bononii* RUBZOV, ssp., Simulium, 178  
*Boophthora* ENDERLEIN, 158  
*borcíci* BARANOV, ssp., Odagmia, 169  
*boreale* (LUNDSTRÖM), Brevicornu, 306  
*borealis* ZETTERSTEDT, Boletina, 243  
*borealis* (KIEFFER), Ceratopogon, 44  
*borealis* LUNDSTRÖM, Exechia, 315  
*borealis* REMM, Forcipomyia, 100  
*borealis* (WINNERTZ), Greenomyia, 257  
*borealis* GUTSEVICH, Leptoconops, 112  
*borealis* WALKER, Mycetophila, 326  
*borealis* HACKMAN, Phronia, 281  
*borealis* LUNDSTRÖM, Polytepta, 237  
*borealis* (CLASTRIER), Probezzia, 13  
*borealis* (ZETTERSTEDT), Simulia, 124  
*Boreosimulium* RUBZOV et YANKOVSKY, 132  
*bosnica* SCHMID, Thaumalea, 189  
*botosaneanui* VAILLANT, Thaumalea, 189  
*bourioni* (CLASTRIER), Nannohelea, 47  
*brachialis* (HALIDAY), Palpomyia, 18  
*brachiata* (RUBZOV), Greniera, 126  
*brachyanterum* (RUBZOV), Eusimulium, 150  
*brachyarthra* RUBZOV, Schoenbaueria, 153  
*Brachycampta* WINNERTZ, subg., 298  
*Brachycampta* WINNERTZ, 297  
*brachycera* (ZETTERSTEDT), Allodiopsis, 302  
*brachycera* KIEFFER, Bezzia, 28  
*brachypetiolata* VIMMER, Forcipomyia, 104  
*Brachypeza* WINNERTZ, 304  
*Brachypeza* WINNERTZ, subg., 305  
*brachypoda* OSTROVERKHOVA, Mycetophila, 267  
*Brachypogon* KIEFFER, 47  
*brachystylum* (RUBZOV), Montisimulium, 137  
*braueri* STROBL, Acnemia, 232  
*braueri* (WASMAN), Forcipomyia, 104  
*braueri* DZIEDZICKI, Phronia, 281  
*breevi* (RUBZOV), Metacnephia, 128  
*brehmiana* (KIEFFER), Bezzia, 26  
*brehmii* KIEFFER, Bezzia, 27  
*bresii* W. HUTTEL et N. HUTTEL, Bezzia, 26  
*breviatum* RUBZOV et SHAKIRZJANOVA, ssp., Montisimulium, 139  
*brevicauda* LUNDSTRÖM, Trichonta, 291  
*brevicorne* (RUBZOV), Montisimulium, 137  
*brevicornis* ZETTERSTEDT, Boletina, 243  
*brevicornis* (STAEGER), Cordyla, 309  
*brevicornis* ZETTERSTEDT, Megophthalmidia, 260  
*brevicornis* MEIGEN, Mycetophila, 209  
*brevicornis* RUBZOV, Odagmia, 168  
*brevicornis* OKADA, Symmerus, 198  
*Brevicornu* MARSHALL, 306  
*Brevicornu* MARSHALL, subg., 306  
*brevicubitus* GOETGHEBUER, Forcipomyia, 109  
*brevidens* (RUBZOV), Cnetha, 141  
*brevidens* EDWARDS, Thaumalea, 189  
*brevifilis* RUBZOV, Obuchovia, 159  
*breviforceps* TOKUNAGA, Forcipomyia, 100  
*breviforceps* (KIEFFER), Mallochohelea, 13  
*brevifrons* SMATOV et ISIMBEKOV, Culicoides, 67  
*brevifurca* STROBL, Anatella, 302  
*brevilineata* OKADA, Neoempheria, 230  
*brevimanum* (LOEW), Antlemon, 200  
*brevimanus* LUNDSTRÖM, Forcipomyia, 101  
*brevinervis* KIEFFER, Bezzia, 33  
*brevipedicellata* (KIEFFER), Forcipomyia, 104  
*brevipennis* (MACQUART), Forcipomyia, 104  
*brevipes* (RUBZOV), ssp., Nevermannia, 147  
*brevipluma* KIEFFER, Bezzia, 29  
*brevirostre* (LUNDSTRÖM), Macrorrhyncha, 203  
*brevis* (RUBZOV), Metacnephia, 130

- breviserra* (KIEFFER), *Atrichopogon*, 87  
*brevitarsata* (LAŠTOVKA), *Mycetophila*, 267  
*brevitarsis* (RUBZOV), *Nevermannia*, 148  
*brevitibialis* GOETGHEBUER, *Dasyhelea*, 78  
*brincki* VAILLANT, *Thaumalea*, 189  
*brinckiana* NIELSEN, *Exechia*, 316  
*britannica* LAŠTOVKA et KIDD, *Mycetophila*, 267  
*britteni* (KIDD), *Mycomya*, 222  
*brnizensis* (BARANOV), *Wilhelmia*, 156  
 [bromelicola LUTZ, *Ceratopogon*, 95]  
*bromophilus* KIEFFER, *Culicoides*, 72  
*brunchialis* RUBZOV, *Odagmia*, 164  
*brunescutellatus* ZILAHİ-SEBESS, *Culicoides*, 61  
*brunetti* (ENDERLEIN), *Wilhelmia*, 155  
*brunnea* (SANTOS ABREU), *Dasyhelea*, 76  
 [brunnea BRUNETTI, *Macrocera*, 213]  
*brunnea* MACQUART, *Mycetophila*, 326  
*brunnea* (DZIEDZICKI), *Mycomya*, 222  
*brunnea* (YANKOVSKY), *Nevermannia*, 148  
*brunneiscutellatus* ZILAHİ-SEBESS, *Culicoides*, 61  
*brunnicans* EDWARDS, *Culicoides*, 55  
*brunnipennis* (STAEGER), *Isoneuromyia*, 202  
*brunnipes* (MEIGEN), *Atrichopogon*, 87  
*brunnipes* (PERRIS), *Forcipomyia*, 104  
*bruyanti* VAILLANT, *Thaumalea*, 188  
*bryocrypta* KIEFFER, *Palpomyia*, 22  
*bucera* PLASSMANN, *Ectrepesthoneura*, 256  
*buhetoensis* TAKAHASI, *Culicoides*, 70  
*bujakovi* (RUBZOV), *Boophthora*, 158  
*bukovskii* (RUBZOV), *Paragnus*, 174  
 [bulbosum (LEWIS), *Montisimulium*, 137]  
*bulbostylus* KHALAF, *Culicoides*, 55  
*bulgarica* (ZILAHİ-SEBESS), *Mallochohelea*, 13  
*bulgaricum* (ENDERLEIN), *Eusimulium*, 150  
*bulla* REMM, *Atrichopogon*, 91  
*bullocki* TOKUNAGA, *Dasyhelea*, 76  
*buresschi* ZILAHİ-SEBESS, *Forcipomyia*, 100  
*burylovi* GLUKHOVA et KHABIROV, *Culicoides*, 55  
*buturlini* (RUBZOV), *Ahaimophaga*, 117  
*buxtoni* (AUSTEN), *Byssodon*, 134  
*buxtoni* FREEMAN, *Sciophila*, 238  
*bychowskyi* DZAFAROV, *Culicoides*, 55  
*Byssodon* ENDERLEIN, 133  
*Byssodon*: RUBZOV, 136
- [caeruleae SAUNDERS, *Forcipomyia*, 99]  
*calabrum* RIVOSECCHI, *Prosimulium*, 118  
*calcaratus* (GOETGHEBUER), *Ceratopogon*, 42  
*calceata* (WALKER), *Bezzia*, 33  
*calceolata* (OSTROVERKHOVA), *Exechiopsis*, 316  
*calderana* STORÅ, *Palpomyia*, 18  
*caliginosa* DZIEDZICKI, *Phronia*, 282  
*caliginosus* GOETGHEBUER, *Culicoides*, 55
- callipotami* MACFIE, *Atrichopogon*, 91  
*calloti* KREMER, DELECOLLE, BAILLY-CHOUMARA et CHAKER, *Culicoides*, 55  
*Callotia* VARGAS et KRAMER, 47  
*Caloforcipomyia* SAUNDERS, subg., 99  
*Caloforcipomyia* SAUNDERS, 94  
*calopum* BARANOV, ssp., *Simulium*, 184  
*calva* LUNDSTRÖM, *Mycetophila*, 272  
*calycata* REMM, *Dasyhelea*, 80  
*camabriensis* (DAVIES), *Nevermannia*, 147  
*camelorum* (KIEFFER), *Leptoconops*, 111  
*cameroni* CAMPBELL et PELHAM-CLINTON, *Culicoides*, 55  
*campanai* CLASTRIER, *Bezzia*, 29  
*camurum* SASAKAWA et KIMURA, *Dynatosoma*, 263  
*cana* (MEIGEN), *Wilhelmia*, 155  
*canaliculata* (GOETGHEBUER), *Forcipomyia*, 101  
*canariensis* (SANTOS ABREU), *Dasyhelea*, 76  
*canariensis* STORÅ, *Dasyhelea*, 80  
*canariensis* LANDROCK, *Trichonta*, 291  
*canariensis* (SÉGUY), *Wilhelmia*, 157  
*canbalicum* (SMART), *Prosimulium*, 122  
*candicans* RUBZOV, *Prosimulium*, 118  
*candidatus* WINNERTZ, *Ceratopogon*, 43  
*candidatus* (LOEW), *Sphaeromyia*, 15  
*canescens* (ZETTERSTEDT), *Brevicornu*, 309  
*canescens* BREME, *Simulium*, 186  
*canescens* WINNERTZ, *Zygomyia*, 296  
*canicularis* GOETGHEBUER, *Forcipomyia*, 104  
*cannibora* ONO, *Twinnia*, 115  
*canora* GAGNÉ, *Trichonta*, 291  
*cantabrica* (STROBL), *Ceratopogon*, 109  
*carbonaria* EDWARDS, *Docosia*, 254  
*carinata* ZAITZEV, *Ditomyia*, 197  
*carjalaensis* GLUKHOVA, *Culicoides*, 69  
*carpathica* (KNOZ), *Cnetha*, 141  
*carpathica* VAILLANT, *Thaumalea*, 192  
*carthusiana* VAILLANT, *Orphnephilina*, 187  
*carthusiensis* (GRENIER et DORIER), *Cnetha*, 141  
*carthusiensis* VAILLANT, *Thaumalea*, 192  
*caspius* GUTSEVICH, *Culicoides*, 64  
*castellana* (STROBL), *Palpomyia*, 18  
*cataneii* CLASTRIER, *Culicoides*, 55  
*cataneii* KIEFFER, *Forcipomyia*, 102  
*cattleyarum* HARANT et GALAN, *Forcipomyia*, 95  
*caucasica* (RUBZOV), *Odagmia*, 164  
*caucasica* PLASSMANN, *Rymosia*, 323  
*causicus* REMM, *Ceratopogon*, 44  
*causicus* SERGEJEV, *Culicoides*, 56  
*causicus* GUTSEVICH, *Leptoconops*, 111  
*caucoliberensis* CALLOT, KREMER et RIOUX, *Culicoides*, 56



- caudata STAEGER, Mycetophila, 267  
 caudata BEZZI, Thaumalea, 189  
*caudatum* WINNERTZ, Brevicornu, 307  
 cebennica VAILLANT, Thaumalea, 189  
*celtica* (DAVIES), Nevermannia, 147  
*celtica* (DOBY et RAULT), Odagmia, 163  
 centralis MEIGEN, Macrocera, 213  
*centralis* MATSUMURA, Mycetophila, 273  
*centralis* MEIGEN, Mycetophila, 271  
 centridorsalis TOKUNAGA, Dasyhelea, 73  
 Ceratoculicoides WIRTH et RATANAWORABHAN, 46  
*Ceratolophus* KIEFFER, 35  
 Ceratopogon MEIGEN, 42  
 Ceratopogon MEIGEN, subg., 42  
 CERATOPOGONIDAE, 11  
 CERATOPOGONINAE, 34  
 CERATOPOGONINI, 40  
 cereola CLASTRIER, Stilobezzia, 39  
*Ceroplatus*, emend., 202  
 Cerotelion RONDANI, 201  
 [ceylonica ENDERLEIN, Gomphostilbia, 135]  
*chaetophthalmus* AMOSSOVA, Culicoides, 56  
 chaetoptera REMM, Forcipomyia, 95  
 charadraeus ARNAUD, Culicoides, 56  
 chehciri (POPOV), Haimophaga, 117  
 chejuensis (TAKAOKA), ssp., Cnetha, 146  
 chelevini IVASCHENKO, Boophthora, 158  
 chelevini IVASCHENKO, Schoenbaueria, 153  
*Chelocnetha* ENDERLEIN, 147  
*Chenesia* MACQUART, 188  
*Chensia*, error, 188  
 chiopterus (MEIGEN), Culicoides, 51  
 chiosica WAGNER, Thaumalea, 189  
 chitinosus GUTSEVICH et SMATOV, Culicoides, 56  
*chochleare*, error, 263  
 cholodkovskii (RUBZOV), Gnus, 161  
 chomustachi (WOROBZ), Cnetha, 142  
 [christophersi (PURI), Odagmia, 165]  
*chrysocoma* KIEFFER, Bezzia, 31  
 chrysolophus (KIEFFER), Forcipomyia, 108  
*chrysopae* MAYER, Forcipomyia, 95  
*chrysopivora* (TOKUNAGA), Forcipomyia, 95  
 chubarevae KACHVORIAN et TERTERJAN, Cnetha, 142  
 ciliata WINNERTZ, Anatella, 302  
 ciliata (WINNERTZ), Forcipomyia, 104  
*cilipes* KIEFFER, Culicoides, 72  
 [cincta DE MEIJERE, Allactoneura, 253]  
 cincta WINNERTZ, Exechia, 311  
*cincta* (WINNERTZ), Orfelia, 206  
 [cincta JOHANNSEN, Saiguasaia, 252]  
 cincta (WINNERTZ), Sciophila, 238  
 cincticornis (WALKER), Boletina, 243  
 cinctiformis (STORÅ), Exechiopsis, 320  
*cinctum* MEIGEN, Simulium, 183  
 cinerascens (MACQUART), Mycomya, 222  
 cinerascens WINNERTZ, Phronia, 282  
 cinerea MEIGEN, Bolitophila, 194  
*cinerea* (ZETTERSTEDT), Cordyla, 309  
*cinerea* ZETTERSTEDT, Mycetophila, 274  
*cinerea* (MACQUART), Palpomyia, 20  
*cinerella* KIEFFER, Bezzia, 31  
*cinerellus* KIEFFER, Culicoides, 50  
*cinereum* (LUNDSTRÖM), Brevicornu, 308  
 cinereum MACQUART, Simulium, 180  
*cinereus* (KIEFFER), Prosapelma, 72  
 cingulata (MEIGEN), Exechia, 311  
 cingulata (MEIGEN), Mycomya, 222  
*cingulatus* (MEIGEN), Sphaeromyias, 16  
 cingulum MEIGEN, Mycetophila, 267  
 circumdata (SANTOS ABREU), Allodia, 299  
 circumdata (STAEGER), Mycomya, 222  
*circumdatus* STAEGER, Ceratopogon, 34  
 circumscriptus KIEFFER, Culicoides, 67  
 cirrosus REMM, Ceratopogon, 42  
 cisalpina RUBZOV, ssp., Odagmia, 164  
*citrinellus* KIEFFER, Culicoides, 64  
 citrinipes KIEFFER, Atrichopogon, 86  
 citrinipes KIEFFER, Palpomyia, 18  
 clara GAGNÉ, Trichonta, 291  
 claripennis SAIGUSA, Ditomyia, 198  
 claripennis (KIEFFER), Nilobezzia, 15  
*claripennis* LUNDSTRÖM, Trichonta, 292  
 claripes DAS GUPTA et WIRTH, Stilobezzia, 38  
 Clastobasis SKUSE, 254  
 clastrieri CALLOT, KREMER et DEDUIT, Culicoides, 56  
 clavata OSTROVERKHOVA, Anatella, 302  
 [clavata (PETERSON), Haimophaga, 118]  
 clavata OSTROVERKHOVA, Mycetophila, 268  
 clavatus CLASTRIER, Ceratopogon, 44  
*clavatus* KIEFFER, Culicoides, 52  
 clavicera (LUNDSTRÖM), Mycomya, 222  
*clavicornis* (KIEFFER), Mallochohelea, 13  
 clavifula TOKUNAGA, Dasyhelea, 80  
 clavifuscus TOKUNAGA, Atrichopogon, 87  
 clavigera LUNDSTRÖM, Trichonta, 291  
 Cleitosimulium SÉGUY et DORIER, 174  
 clifton EDWARDS, Sciophila, 238  
 Clinohela KIEFFER, 33  
 Cliopisa ENDERLEIN, subg., 195  
*Cliopisa* ENDERLEIN, 193  
 clypeata (LUNDSTRÖM), Exechiopsis, 317  
*Cnephaeophila* PHILIPPI, 221  
 Cnephia ENDERLEIN, 128

- Cnetha* ENDERLEIN, 140  
*coarctata* (KIEFFER), Ceratopogon, 109  
*coarctata* KIEFFER, Dasyhelea, 76  
*coarctatum* (RUBZOV), Tetisimulium, 173  
*cochleare* STROBL, Dynatosoma, 263  
*codreanui* (SERBAN), *Cnetha*, 142  
*Ceolophthina* EDWARDS, 248  
*Coelosia* WINNERTZ, 248  
*cognatum* OSTROVERKHOVA, *Brevicornu*, 306  
*collaris* (MEIGEN), *Grzegorzekia*, 251  
*collarti* (TOLLET), *Bolitophila*, 194  
*collarti* TOLLET, *Macrottrichyna*, 40  
*collini* (EDWARDS), *Mycomya*, 223  
*colombaschense* (FABRICIUS), *Simulium*, 180  
*columbaczense* (SCHÖNBAUER), *Simulium*, 180  
*coluzzi* CALLOT, KREMER et BAILLY-CHOUMARA, *Culicoides*, 63  
*colyeri* CHANDLER, *Ectrepesthoneura*, 256  
*comica* GAGNÉ, *Trichonta*, 291  
*comicus* REMM, *Culicoides*, 61  
*comis* GAGNÉ, *Trichonta*, 291  
*communis* MEIGEN, *Ceratopogon*, 40  
*communis* KIEFFER, *Dasyhelea*, 81  
*comosa* OSTROVERKHOVA, *Isoneuromyia*, 202  
*comosa* OSTROVERKHOVA, *Macrocera*, 214  
*comosiculatus* TOKUNAGA, *Culicoides*, 56  
*comosum* (RUBZOV), ssp., *Montisimulium*, 140  
*composita* OSTROVERKHOVA, *Allodiopsis*, 302  
*compressa* (WALKER), *Tetragoneura*, 262  
*concinna* WINNERTZ, *Exechia*, 316  
*concinna* (MEIGEN), *Probezzia*, 12  
*concinna* GAGNÉ, *Trichonta*, 291  
*concisca* (WALKER), *Pyratula*, 207  
*concitus* KIEFFER, *Culicoides*, 52  
*concolor* (WALKER), *Boletina*, 247  
*concolor* (BECHER), *Exechia*, 312  
*concolor* (VAN DER WULP), *Isoneuromyia*, 202  
*concolor* WINNERTZ, *Sceptonia*, 289  
*concoloripes* CLASTRIER, *Palpomyia*, 18  
*confinis* WINNERTZ, *Exechia*, 311  
*confluens* DZIEDZICKI, *Mycetophila*, 268  
*conformis* SIEBKE, *Boletina*, 244  
*conformis* (MATILE), *Mycetophila*, 266  
*conformis* (WALKER), *Phronia*, 282  
 [conformis SKUSE, *Xenoplatyura*, 208]  
*confusa* DZIEDZICKI, *Mycetophila*, 268  
*confusa* VÄISÄNEN, *Mycomya*, 223  
*conicus* REMM, *Culicoides*, 61  
*conistylum* RUBZOV, *Prosimulium*, 118  
*conjuncta* SASAKAWA et KIMURA, *Boletina*, 244  
*conjunctus* (KIEFFER), *Ceratopogon*, 41  
*conjunges* LUNDSTRÖM, *Trichonta*, 291  
*connexa* OSTROVERKHOVA, *Phronia*, 282  
*connexa* WINNERTZ, *Rymosia*, 323  
*consequana* SÉGUY, *Boletina*, 243  
*consobrina* ZETTERSTEDT, *Boletina*, 243  
*consobrina* CURTIS, *Leia*, 325  
*consorta* PLASSMANN, *Impleta*, 251  
*contaminata* WINNERTZ, *Exechia*, 311  
*continens* BECKER, *Mycetophila*, 268  
*continii* RIVOSECCHI et CARDINALI, *Obuchovia*, 160  
*cooremani* (TOLLET), *Bolitophila*, 194  
*copiosa* (WINNERTZ), *Monohalea*, 36  
*copiosa* (KIEFFER), *Sphaeromyia*, 16  
*coprophila* KIEFFER, *Forcipomyia*, 109  
*coracellus* KIEFFER, *Atrichopogon*, 90  
*coracina* (ZETTERSTEDT), *Bezzia*, 31  
*corcyrensis* (LUNDSTRÖM), *Mycomya*, 223  
*cordata* LUNDSTRÖM, *Phronia*, 282  
*cordatus* KIEFFER, *Culicoides*, 71  
*cordiformis* KIEFFER, *Culicoides*, 72  
*cordiformitarsis* CARTER, *Culicoides*, 71  
*Cordyla* MEIGEN, 309  
*coremura* (EDWARDS), *Exechiopsis*, 317  
*corniculata* (OSTROVERKHOVA), *Urytalpa*, 208  
*cornifera* YANKOVSKY, *Cnetha*, 142  
*cornuta* REMM, *Dasyhelea*, 81  
*cornuta* LUNDSTRÖM, *Exechia*, 311  
*cornuta* LUNDSTRÖM, *Phronia*, 282  
*cornuta* ZAITZEV, *Sciophila*, 238  
*cornutus* NIELSEN, *Atrichopogon*, 91  
*coronata* OSTROVERKHOVA, *Boletina*, 244  
*coronata* MAYER, *Bolitophila*, 196  
*corpulentum* RUBZOV, *Simulium*, 176  
*corsica* EDWARDS, *Mycetophila*, 268  
*corsica* EDWARDS, *Thaumalea*, 189  
*corsis* KREMER, LEBERRE et BEAUCORNU-SAGUEZ, *Culicoides*, 56  
*corticicola* (KIEFFER), *Forcipomyia*, 102  
*corticis* KIEFFER, *Forcipomyia*, 101  
*corvina* REMM, *Bezzia*, 29  
*costata* (FRIEDERICH), *Cnetha*, 142  
*costata* (ZETTERSTEDT), *Forcipomyia*, 103  
*costata* (VAN DER WULP), *Sceptonia*, 289  
*cottivi* TOLLET, *Rymosia*, 323  
*couverti* (RUBZOV), *Cnetha*, 142  
*coxata* STROBL, *Boletina*, 244  
*craponnei* CLASTRIER, *Palpomyia*, 18  
*crassicaulis* (RUBZOV), *Nevermannia*, 148  
*crassicornis* (STANNIUS), *Brevicornu*, 308  
*crassicornis* MEIGEN, *Cordyla*, 309  
*crassicornis* WINNERTZ, *Macrocera*, 214  
*crassicornis* (CURTIS), *Megophthalmidia*, 260  
*crassicornis* VON ROSER, *Mycetophila*, 279  
*crassifila* (RUBZOV), *Odagmia*, 165

- crassifistula* (RUBZOV), *Metacnephia*, 128  
*crassiforceps* (KIEFFER), *Ceratopogon*, 45  
*crassiforceps* KIEFFER, *Culicoides*, 71  
*crassinervis* (GOETGHEBUER), *Ceratopogon*, 42  
*crassipalpis* DUFOUR, *Cordyla*, 325  
*crassipes* (WINNERTZ), *Forcipomyia*, 104  
*crassipes* GOETGHEBUER, *Palpomyia*, 23  
*crassipes* WINNERTZ, *Phronia*, 327  
*crassipilosa* TOKUNAGA, *Dasyhelea*, 74  
*crassipilosus* TOKUNAGA, *Culicoides*, 56  
*crassitarse* (MACQUART), *Prosimulium*, 118  
*crassitarsus* HACKMAN, *Phronia*, 284  
*crassum* (RUBZOV), *Boreosimulium*, 133  
*crenobia* (KNOZ), *Cnetha*, 142  
*[crepuscularis* MALLOCH, *Culicoides*, 67]  
*cretensis* KIEFFER, *Atrichopogon*, 86  
*cretensis* LUNDSTRÖM, *Rymosia*, 323  
*crinitum* (RUBZOV), *Tetisimulium*, 173  
*crinume* (TOKUNAGA), *Forcipomyia*, 95  
*cristata* (STAEGER), *Allodiopsis*, 302  
*croatica* BARANOV, *Odagmia*, 165  
*croaticus* REMM, *Ceratopogon*, 44  
*Crosskeyellum* GRENIER et BAILLY-CHOUMARA, 160  
*crucigera* (LUNDSTRÖM), *Exechiopsis*, 320  
*crucigera* ZETTERSTEDT, *Leia*, 258  
*crudelis* (KARSCH), *Forcipomyia*, 101  
*cryophila* (RUBZOV), *Cnetha*, 142  
*Cryptectennia* ENDERLEIN, 140  
*Cryptoscena* ENDERLEIN, 73  
*csikiana* KIEFFER, *Bezzia*, 31  
*csikii* REMM, *Palpomyia*, 18  
*cubitalis* EDWARDS, *Culicoides*, 59  
*Culicoides* LATREILLE, 47  
*Culicoides* LATREILLE, subg., 48  
*cuneata* REMM, *Dasyhelea*, 81  
*cunctans* (WINNERTZ), *Ceratopogon*, 72  
*cunctans* WIEDEMANN, *Mycetophila*, 270  
*curona* (GIMMERTHAL), *Mycetophila*, 289  
*curta* SASAKAWA et KIMURA, *Boletina*, 244  
*curticornis* GOETGHEBUER, *Forcipomyia*, 98  
*curtiforceps* GOETGHEBUER, *Bezzia*, 29  
*curtior* SCHMID, *Thaumalea*, 189  
*curtiradialis* TOKUNAGA, *Dasyhelea*, 84  
*curtivittata* TOKUNAGA, *Dasyhelea*, 84  
*curvans* (RUBZOV et CARLSSON), *Cnetha*, 142  
*curvata* (FISCHER), *Mycomya*, 223  
*curvifila* RIVOSECCHI, *Odagmia*, 165  
*curvipes* (STROBL), *Allodia*, 299  
*curviseta* LUNDSTRÖM, *Mycetophila*, 268  
*curvistylum* RUBZOV, *Simulium*, 181  
*curvitarse* RUBZOV, *Simulium*, 181  
*cuspidata* OSTROVERKHOVA, *Brachypeza*, 305  
*cylindratus* KITAOKA, *Culicoides*, 48  
*cylindrica* (WINNERTZ), *Leia*, 258  
*cypri* (KIEFFER), *Ceratopogon*, 109  
*cyrtotonotum* REMM, *Bezzia*, 30  
*czekanovskii* (RUBZOV), *Ahaimophaga*, 117  
*czernyi* (LANDROCK), *Allodia*, 298  
*czernyi* STROBL, *Platyura*, 209  
*czizeki* LANDROCK, *Mycetophila*, 268  
*dacica* DAMIAN-GEORGESCU, *Forcipomyia*, 105  
*dahestanica* RUBZOV, *Wilhelmia*, 155  
*dahlgruni* (ENDERLEIN), *Psilozia*, 158  
*dahli* NIELSEN, *Exechia*, 312  
*daisenana* OKADA, *Zelmira*, 209  
*daisense* TAKAHASI, *Gnus*, 161  
*daisetsense* (UEMOTO OKAZAWA et ONISHI), *Distosimulium*, 124  
*daisetsuzana* OKADA, *Syntemna*, 241  
*damfi* LANDROCK, *Anatella*, 303  
*dampfi* KIEFFER, *Dasyhelea*, 79  
*danica* KIEFFER, *Bezzia*, 28  
*danica* KIEFFER, *Forcipomyia*, 105  
*danielae* MATILE, *Mycomya*, 223  
*daniele*: error, 223  
*danubica* (RUBZOV), *Metacnephia*, 128  
*danubiensis* (RUBZOV), *Byssodon*, 134  
*danubiensis* (ŽIVKOVITCH), ssp., *Wilhelmia*, 156  
*Danubiosimulium* BARANOV, 175  
*darvazi* REMM, *Ceratopogon*, 44  
*Dasyhelea* KIEFFER, 73  
*Dasyhelea* KIEFFER, subg., 75  
 DASYHELEINAE 73  
*dasyptera* GOETGHEBUER, *Dasyhelea*, 84  
*davatchii* (MATILE), *Exechiopsis*, 320  
*daviesi* RUBZOV, *Odagmia*, 164  
*debacli* (TERTERJAN), *Odagmia*, 165  
*decafilis* RUBZOV, *Montisimulium*, 137  
*decafilis* RUBZOV, *Stegopterna*, 125  
*[decemarticulatus* (TWINN), *Parahelodon*, 124]  
*decimatum* (DOROGOSTAYSKY, RUBZOV et VLASENKO), *Gnus*, 161  
*decimfiliatum* (RUBZOV), *Montisimulium*, 137  
*decipiens* SANTOS ABREU, *Macrocera*, 215  
*decolorata* BARANOV, ssp., *Odagmia*, 165  
*decora* (SANTOS ABREU), *Megophthalmidia*, 260  
*decora* GRZEGORZEK, *Platyura*, 209  
*decoratissima* (STROBL), *Ceratopogon*, 84  
*decorosa* (WINNERTZ), *Mycomya*, 223  
*decorosa* DZIEDZICKI, *Phronia*, 284  
*decrescens* KIEFFER, *Forcipomyia*, 97  
*decussiferens* VAILLANT, *Thaumalea*, 189  
*defecta* SANTOS ABREU, *Macrocera*, 215  
*[defecta* WILLISTON, *Manota*, 218]

- defectivus* (STROBL), *Brachypogon*, 47  
*degrangei* (DORIER et GRENIER), *Paragnus*, 174  
*delicata* OSTROVERKHOVA, *Allodia*, 298  
*delicata* GAGNÉ, *Trichonta*, 291  
*delizhanensis* (RUBZOV), *Nevermannia*, 148  
*Delopsis* SKUSE, 265  
*delphinense* (VILLENEUVE), *Tetisimulium*, 173  
*delta* EDWARDS, *Culicoides*, 48  
*dendriticus* BOORMAN, *Culicoides*, 56  
*dendrofila* (PATRUSHEVA), *Schoenbaueria*, 153  
*dendrophilus* AMOSSOVA, *Culicoides*, 56  
*denmax* VÄISÄNEN, *Mycomya*, 223  
*densipilosa* TOKUNAGA, *Dasyhelea*, 75  
*densipluma* KIEFFER, *Atrichopogon*, 86  
*dentata* LUNDSTRÖM, *Exechia*, 311  
*dentata* KIEFFER, *Mallochohelea*, 13  
*dentata* LUNDSTRÖM, *Mycetophila*, 268  
*dentata* (FISHER), *Mycomya*, 223  
*dentata* RUBZOV et CARLSSON, ssp., *Stegopterna*, 126  
*dentata* EDWARDS, *Thaumalea*, 189  
 [dentatum PURI, *Simulium*, 178]  
*denticulata* OSTROVERKHOVA et ISOTOV, *Phronia*, 282  
*dentiforceps* TOKUNAGA, *Dasyhelea*, 81  
*depuncta* REMM, *Alluaudomyia*, 40  
*derisor* CALLOT et KREMER, *Culicoides*, 56  
*derzhavini* (RUBZOV), *Sulcicnephia*, 131  
*deserticola* (RUBZOV), *Odagmia*, 165  
*desertorum* GUTSEVICH, *Culicoides*, 68  
*desertorum* (RUBZOV), *Tetisimulium*, 173  
*desfuliana* MATILE, *Brevicornu*, 307  
*detruncata* LACKSCHEWITZ, *Phronia*, 287  
*devia* (HALIDAY), *Thaumalea*, 191  
*dewulfi* GOETGHEBUER, *Culicoides*, 51  
*Diadocidia* RUTHE, 211  
*Diadocidia* RUTHE, subg., 211  
 DIADOCIDIIDAE, 210  
*diagonalis* MEIGEN, *Mycetophila*, 326  
*diagramma* KIEFFER, *Bezzia*, 26  
 [dichopticus STONE, *Gymnopais*, 115]  
*dichromata* REMM, *Forcipomyia*, 101  
*Dicrobezzia* KIEFFER, 12  
*Dicryptoscena* ENDERLEIN, subg., 74  
*Dicryptoscena* ENDERLEIN, 73  
*dieuzeidei* (VAILLANT), *Dasyhelea*, 76  
*difficilis* (BUKOWSKI), *Mycetophila*, 268  
*difficilis* DZIEDZICKI, *Paratinia*, 236  
*digitalis* REMM, *Culicoides*, 70  
*digitata* LUNDSTRÖM, *Boletina*, 244  
*digitata* HACKMAN, *Phronia*, 282  
*digitata* EDWARDS, *Thaumalea*, 189  
 [digitatum PURI, *Simulium*, 179]  
*digitifera* (EDWARDS), *Mycomya*, 223  
*dilatata* (OSTROVERKHOVA), *Mycomya*, 223  
*dileucus* KIEFFER, *Culicoides*, 61  
*diluta* (ZETTERSTEDT), *Mycomya*, 223  
*dimidiata* (KIEFFER), *Mallochohelea*, 13  
*dimidiata* STAEGER, *Mycetophila*, 274  
*dimidiata* (MEIGEN), *Rondaniella*, 261  
*diminutum* RUBZOV, *Prosimulium*, 119  
*dimota* REMM, *Dasyhelea*, 81  
*dinarica* SCHMID, *Thaumalea*, 189  
*Diomonus* WALKER, subg., 234  
*Diomonus* WALKER, 234  
*dipetela* REMM, *Serromyia*, 35  
*Diplosella* KIEFFER, 47  
*diplosis* KIEFFER, *Dasyhelea*, 79  
*discicollis* STAEGER, *Mycetophila*, 326  
*discoidea* (MEIGEN), *Allodia*, 298  
*discoidea* WINNERTZ, *Platyura*, 209  
*discolor* (ZETTERSTEDT), *Orfelia*, 205  
*discoloria* (MEIGEN), *Orfelia*, 205  
*Discosphyria* ENDERLEIN, 163  
*disgrega* DZIEDZICKI, *Phronia*, 282  
*disjuncta* LOEW, *Bolitophila*, 195  
*dispar* (WINNERTZ), *Anaclileia*, 233  
*dispar* (DUFOUR), *Keroplatus*, 203  
*dispar* STANNIUS, *Mycetophila*, 326  
*dispecta* DZIEDZICKI, *Boletina*, 244  
*dispersus* GUTSEVICH et SMATOV, *Culicoides*, 57  
*dispina* (RUBZOV et CARLSSON), *Nevermannia*, 147  
*dissecta* OSTROVERKHOVA, *Anatella*, 303  
*dissecta* OSTROVERKHOVA, *Phronia*, 283  
*dissimilis* CLASTRIER, *Leptoconops*, 112  
*dissimilis* (ZETTERSTEDT), *Sciophila*, 263  
*dissona* PLASSMANN, *Speolepta*, 252  
*distalis* KIEFFER, *Dasyhelea*, 84  
*distendens* (LACKSCHEWITZ), *Exechiopsis*, 317  
*distinctus* KIEFFER, *Culicoides*, 57  
*distigma* KIEFFER, *Culicoides*, 70  
*distigma* MEIGEN, *Mycetophila*, 268  
*distincta* (KIEFFER), *Forcipomyia*, 104  
*distincta* (HALIDAY), *Palpomyia*, 18  
*distincta* HACKMAN, *Phronia*, 283  
*distincta* WINNERTZ, *Tetragoneura*, 262  
*distinctus* (SANTOS ABREU), *Atrichopogon*, 91  
*dististylata* (SASAKAWA), *Mycetophila*, 268  
*Distosimulium* PETERSON, 124  
*Ditomyia* WINNERTZ, 197  
 DITOMYIIDAE, 197  
*divaricata* (WINNERTZ), *Forcipomyia*, 100  
*divaricata* BEZZI, *Thaumalea*, 189  
*diversa* WALKER, *Leia*, 326  
*diversa* (WALKER), *Sciophila*, 251  
*diversiloba* OSTROVERKHOVA, *Phronia*, 283

- diversimaculata* SANTOS ABREU, Macrocera, 214  
*diversipes* GOETGHEBUER, Forcipomyia, 99  
*dizona* EDWARDS, Exechia, 312  
*djafarovi* (RUBZOV), Cnetha, 142  
*djebaglense* (RUBZOV), Montisimulium, 137  
*djerdapensis* (BARANOV), Obuchovia, 160  
*dobyi* CALLOT et KREMER, Culicoides, 51  
*Docosia* WINNERTZ, 254  
*dogieli* (RUBZOV), Greniera, 126  
*dolomitensis* (RIVOSECCHI), Cnetha, 142  
*domestica* (MEIGEN), Allodiopsis, 300  
*donatieni* KIEFFER, Culicoides, 70  
*dorieri* (DOBY et RAULT), Odagmia, 167  
*dorsalis* TOKUNAGA, Atrichopogon, 88  
*dorsalis* (STAEGER), Exechia, 312  
*dorsalis* CURTIS, Macrocera, 217  
*dorsalis* (ZETTERSTEDT), Stilobezzia, 39  
*dorsalis* (STAEGER), Urytalpa, 209  
*doury* CLASTRIER, Stilobezzia, 39  
*[doveri]* SOMMERMAN, Prosimulium, 119  
*draskovitsae* MATILE, Neoclastobasis, 261  
*dremskii* ZILAHİ-SEBESS, Culicoides, 53  
*dryaspagensis* CHANDLER, Exechiopsis, 317  
*dryophila* (OSTROVERKHOVA), Mycomya, 223  
*dsungaricus* REMM, Ceratopogon, 42  
*dubia* (MEIGEN), Boletina, 244  
*dubia* STAEGER, Boletina, 246  
*dubia* SIEBKE, Bolitophila, 195  
*dubia* DZIEDZICKI, Phronia, 285  
*dubioides* MATILE, Phronia, 283  
*dubius* NIELSEN, Atrichopogon, 88  
*dubius* ARNAUD, Culicoides, 49  
*ducta* (DZIEDZICKI), Allodiopsis, 301  
*duddingstoni* KETTLE et LAWSON, Culicoides, 57  
*dufourii* (LABOULBÈNE), Dasyhelea, 74  
*dulcia* (DZIEDZICKI), Allodiopsis, 301  
*dumitrescae*, emend., 317  
*dumitrescui* (BURGHELE-BALACESCO), Exechiopsis, 317  
*dunfellensis* (DAVIES), Cnetha, 142  
*duodecimata* (RUBZOV), Stegopterna, 125  
*duodecimatum* (RUBZOV), Montisimulium, 138  
*duodecimcornutum* (RUBZOV), Montisimulium, 138  
*duodecimfilium* RUBZOV, Prosimulium, 123  
*duplicata* EDWARDS, Mycomya, 223  
*[dycei]* DE MEILLON, Kolenohelea, 40  
*Dynatosoma* WINNERTZ, 263  
*dzhafarovi* CALLOT, KREMER, MOLET et BACH, Culicoides, 57  
*dzhafarovi* REMM, Culicoides, 57  
*Dziedzickia* JOHANNSEN, 249  
*dziedzickii* (LANDROCK), Anacileia, 233  
*dziedzickii* CHANDLER, Mycetophila, 268  
*dziedzickii* VÄISÄNEN, Mycomya, 223  
*dziedzickii* LUNDSTRÖM, Phronia, 283  
*dziedzickii* EDWARDS, Sciophila, 238  
*dziedzickii* (EDWARDS), Tarnania, 325  
*echinatus* (BARANOV), ssp., Byssodon, 134  
*Echinosimulium* BARANOV, 133  
*Ectrepesthoneura* ENDERLEIN, 256  
*edentatus* REMM, Atrichopogon, 91  
*edentatus* (EDWARDS), Ceratopogon, 43  
*edwardsi* GOETGHEBUER, Culicoides, 49, 67  
*edwardsi* LUNDSTRÖM, Mycetophila, 268  
*edwardsi* RUBZOV, Odagmia, 164  
*edwardsi* DE MEIJERE, Palpomyia, 20  
*edwardsi* TJEDER, Thaumalea, 189  
*edwardsiana* STACKELBERG, Bolitophila, 195  
*edwardsiana* (RUBZOV), Metacnephia, 128  
*edwardsianus* GOETGHEBUER, Culicoides, 49  
*egens* (WINNERTZ), Dasyhelea, 81  
*egregia* (DZIEDZICKI), Mycomya, 223  
*egregia* (SÉGUY), Odagmia, 165  
*egregia* DZIEDZICKI, Phronia, 283  
*egypti* MACFIE, Culicoides, 68  
*egypti* MACFIE, Dasyhelea, 81  
*egypti* MACFIE, Forcipomyia, 100  
*elata* (RUBZOV), Cnetha, 142  
*elburna* (RUBZOV et CARLSSON), Cnetha, 143  
*electa* DZIEDZICKI, Phronia, 283  
*elegans* (LUNDSTRÖM), Mycomya, 229  
*elegans* DZIEDZICKI, Phronia, 283  
*elegans* (WINNERTZ), Rondaniella, 262  
*elegans* (MEIGEN), Simulium, 183  
*elegans* (WINNERTZ), Sphaeromias, 16  
*elegantia* PLASSMANN, Syntemma, 240  
*elegantula* HACKMAN, Phronia, 283  
*elongata* ZILAHİ-SEBESS, Bezzia, 30  
*elongata* (KIEFFER), Ceratopogon, 109  
*elongata* (WALKER), Neuratelia, 236  
*elongatus* SAIGUSA, Symmerus, 199  
*emarginata* STROBL, Phronia, 283  
*embla* HACKMAN, Allodia, 297  
*[emergens]* (STONE), Stegopterna, 125  
*emiliae* RUBZOV, Obuchovia, 160  
*Empalia* WINNERTZ, 253  
*Empheria* WINNERTZ, 230  
*epactus* ARNAUD, Culicoides, 63  
*ephemeraefotmis* ALEXANDER, Macrocera, 214  
*ephemerophila* (RUBZOV), Phoretodagmia, 172  
*ephippium* (ZETTERSTEDT), Palpomyia, 18  
*Epicyptha* WINNERTZ, 265  
*Epicyptha*: authors, 288  
*eques* (JOHANNSEN), Forcipomyia, 95

- equina (LINNAEUS), *Wilhelmia*, 155  
 equitarsis (RUBZOV), ssp., *Nevermannia*, 147  
 erairai KONO et TAKAHASI, *Culicoides*, 57  
 erecta (RUBZOV), *Cnetha*, 143  
 eremita REMM et NASARMUCHAMEDOV, *Dasyhelea*,  
 81  
 erici HAVELKA, *Dasyhelea*, 81  
 erimoense ONO, *Eusimulium*, 150  
 ermeri REMM, *Dasyhelea*, 81  
 erronea (SPEISER), *Helea*, 109  
 erythrocephala (DE GEER), *Boophthora*, 159  
 erythrocephala (STAEGER), *Palpomyia*, 17  
 erythrogastra (MEIGEN), *Isoneuromyia*, 202  
 erythrogaster (SANTOS ABREU), *Culicoides*, 84  
 erythronotum RUBZOV, *Prosimulium*, 119  
 erythropyga HOLMGREN, *Boletina*, 244  
 esakii (ALEXANDER), *Leptomorphus*, 234  
 [esselbaughi SOMMERMAN, *Prosimulium*, 119]  
 estonica KIEFFER, *Dasyhelea*, 84  
 estonica LANDROCK, *Macrocera*, 214  
 estonica REMM, *Monohela*, 37  
     *Eudicrana* LOEW, 234  
*Euforcipomyia* MALLOCH, 94  
*Euprojoannisia* BRËTHES, subg., 99  
*Euprojoannisia* BRËTHES, 94  
*Euphosynae* MEIGEN, 212  
 europaea REMM, *Dasyhelea*, 81  
 europaea CLASTRIER, *Serromyia*, 35  
*Eurycera* DZIEDZICKI, 232  
*Euryceras* MARSHALL, 232  
*Eusimulium* ROUBAUD, 149  
 euzierei HARANT et GALAN, *Forcipomyia*, 105  
 evanida LAŠTOVKA, *Mycetophila*, 269  
 evidens OSTROVERKHOVA, *Exechiopsis*, 317  
 excisa CLASTRIER, *Exechiopsis*, 28  
 excisa LUNDSTRÖM, *Trichonta*, 292  
 exclamationis KIEFFER, *Bezzia*, 30  
 exclusa (DZIEDZICKI), *Allodiopsis*, 301  
*Exechia* WINNERTZ, 311  
 EXECHIINI, 297  
*Exechiopsis* TUOMIKOSKI, 316  
*Exechiopsis* TUOMIKOSKI, subg., 316  
*exemplum* PLASSMANN, *Asindulum*, 209  
 exigua GOETGHEBUER, *Bezzia*, 30  
 exigua LUNDSTRÖM, *Exechia*, 312  
 exigua (WINNERTZ), *Mycomya*, 224  
 exigua (ZETTERSTEDT), *Phronia*, 283  
 exigua LACKSCHEWITZ, *Trichonta*, 295  
 exilis RUBZOV, *Odagmia*, 165  
 eximia (SANTOS ABREU), *Culicoides*, 84  
 [eximia GAGNÉ, *Trichonta*, 292]  
 exogitata (DZIEDZICKI), *Allodiopsis*, 301  
 exornata SÉGUY, *Rymosia*, 323  
 expallens REMM, *Culicoides*, 70  
 exserta (OSTROVERKHOVA), *Pyratula*, 207  
 expectator CLASTRIER, *Leptoconops*, 112  
 extincta LOEW, *Mycetophila*, 269  
 ezoensis TOKUNAGA, *Atrichopogon*, 88  
 ezoensis OKADA, *Macrocera*, 214  
 ezoensis (OKADA), *Macrorrhyncha*, 203  
 fabri DOBY et DAVID, *Greniera*, 126  
 facilis GAGNÉ, *Trichonta*, 292  
 faghini NAVAÏ, *Culicoides*, 57  
 fagineus EDWARDS, *Culicoides*, 49  
 falcata JOHANNSEN, *Allodia*, 297  
 falcata OSTROVERKHOVA, *Mycetophila*, 269  
 falcata LUNDSTRÖM, *Trichonta*, 292  
 falcatus REMM, *Ceratopogon*, 44  
 falcifer TOKUNAGA, *Ceratopogon*, 44  
 falcoe (SHIRAKI), *Nevermannia*, 148  
 falcula ENDERLEIN, ssp., *Wilhelmia*, 155  
 falculata REMM, *Dasyhelea*, 81  
 fallisi (GOLINI), *Helichiella*, 127  
 fasciata MEIGEN, *Cordyla*, 309  
 fasciata (MEIGEN), *Ditomyia*, 198  
 fasciata TOKUNAGA, *Forcipomyia*, 105  
 fasciata STORAB, *Leia*, 258  
 fasciata MEIGEN, *Macrocera*, 214  
 fasciata (PLOTNIKOVA), *Mycetophila*, 269  
 fasciata (GIMMERTHAL), *Mycomya*, 225  
 fasciata (ZETTERSTEDT), *Mycomya*, 225  
 fasciata (MEIGEN), *Odagmia*, 168  
 fasciata (MEIGEN), *Orfelia*, 205  
 fasciata ZETTERSTEDT, *Pachyneura*, 193  
 fasciata (MEIGEN), *Rymosia*, 323  
 fasciata MEIGEN, *Synapha*, 253  
 fasciata: WINNERTZ, 230  
 [fasciatum PURI, ssp., *Simulium*, 176]  
 fasciatus (MEIGEN), *Sphaeromyias*, 15  
 fasciculatum (LACKSCHEWITZ), *Brevicornu*, 307  
 fasciigera KIEFFER, *Dasyhelea*, 81  
 fasciola MEIGEN, *Leia*, 258  
 fascipennis (STAEGER), *Culicoides*, 57  
 fascipennis MEIGEN, *Leia*, 258  
 fascipennis STAEGER, *Macrocera*, 214  
 fascipennis (LUNDSTRÖM), *Mycetophila*, 276  
 fascispina CLASTRIER, *Bezzia*, 26  
 fastuosa LOEW, *Macrocera*, 214  
 faurei BERNARD, GRENIER et BAILLY-CHOUMARA,  
*Prosimulium*, 119  
*femoralis* (MEIGEN), *Asindulum*, 201  
*femoralis* TOKUNAGA, *Atrichopogon*, 86  
*femorata* OKADA, *Neuratelia*, 236  
*femorata* (MEIGEN), *Serromyia*, 35  
*fenestella* CURTIS, *Sciophila*, 238

- fenestralis (SANTOS ABREU), *Dasyhelea*, 76  
 fenestralis (MEIGEN), *Tarnania*, 325  
 fenestrata CLASTRIER, *Bezzia*, 26  
 fenestratula BECKER, *Mycetophila*, 269  
 fennica VÄISÄNEN, *Mycomya*, 224  
 fennicum (LANDROCK), *Brevicornu*, 307  
 fergana REMM, *Palpomyia*, 18  
 fergancia (RUBZOV), *Odagmia*, 165  
 ferganicus REMM, *Ceratopogon*, 44  
 [*ferruginea* BRUNETTI, *Macrocera*, 215]  
*ferruginea* (VAN DER WULP), *Megophthalmidia*, 260  
*ferruginea* WALKER, *Mycetophila*, 279  
*ferruginea* (BRUNETTI), *Neompheria*, 230  
*ferruginea* (MEIGEN), *Palpomyia*, 19  
*ferruginea* (MEIGEN), *Sciophila*, 230  
*ferrugineum* (ZETTERSTEDT), *Dynatosoma*, 264  
*ferrugineus* (WAHLBERG), *Helodon*, 123  
*ferrugineus* WALKER, *Symmerus*, 198  
*ferruginosa* REMM et NASARMUCHAMEDOV, *Dasyhelea*, 74  
*ferruginosa* (MEIGEN), *Diadocidia*, 211  
*ferulae* REMM, *Ceratopogon*, 43  
*festiva* (COSTA), *Cordyla*, 310  
*festiva* WINNERTZ, *Exechia*, 312  
*festiva* MEIGEN, *Mycetophila*, 326  
*festiva* KIEFFER, *Stilobezzia*, 38  
*festivipennis* KIEFFER, *Culicoides*, 57  
*fidelis* KRIVOSHEINA, *Forcipomyia*, 101  
*fidelis* GAGNÉ, *Trichonta*, 292  
*filicinus* GORNOSTAJEVA et GACHEGOVA, *Culicoides*, 51  
*filidistans* (RUBZOV), *Sulcinephiea*, 131  
*fimbriata* (LUNDSTRÖM), *Exechiopsis*, 317  
*fimbriata* (MEIGEN), *Mycomya*, 224  
*fimbriatinervis* CLASTRIER, *Alluaudomyia*, 40  
*finalis* (WALKER), *Synapha*, 253  
*finlandica* EDWARDS, *Mycetophila*, 269  
*finniae* CLASTRIER, *Ceratopogon*, 45  
*firuzae* DZHAFAROV, *Culicoides*, 57  
*fissa* EDWARDS, *Cordyla*, 310  
*fissa* (LUNDSTRÖM), *Mycomya*, 224  
*fissicauda* (LUNDSTRÖM), *Brevicornu*, 307  
*fissicauda* (ZETTERSTEDT), *Trichonta*, 292  
*flabellata* (LACKSCHEWITZ), *Mycomya*, 224  
*flava* (DZIEDZICKI), *Allocotocera*, 232  
*flava* TOKUNAGA, *Bezzia*, 26  
*flava* (STAEGER), *Coelosia*, 249  
*flava* WINNERTZ, *Macrorrhyncha*, 203  
*flava* (WALKER), *Mycetophila*, 249  
*flava* WINNERTZ, *Mycetophila*, 269  
*flava* (WINNERTZ), *Mycomya*, 224  
*flava* (MACQUART), *Neoplatyura*, 205  
*flava* (EDWARDS), *Palaeodocosia*, 252  
*flava* GRZEGORZEK, *Polylepta*, 237  
*flavens* TOKUNAGA, *Atrichopogon*, 91  
*flaveola* (RUBZOV), *Odagmia*, 165  
*flaveolum* OSTROVERKHOVA, *Brevicornu*, 307  
*flaveolus* ZILAHİ-SEBESS, *Atrichopogon*, 91  
*flavicans* (SANTOS ABREU), *Atrichopogon*, 92  
*flavicans* RUTHE, *Diadocidia*, 211  
*flavicans* RUBZOV, *Simulium*, 181  
*flavicauda* WINNERTZ, *Anatella*, 303  
*flavicauda* WINNERTZ, *Coelosia*, 249  
*flavicauda* WINNERTZ, *Phronia*, 283  
*flavicauda* LUNDSTRÖM, *Trichonta*, 292  
*flaviceps* (STAEGER), *Cordyla*, 310  
*flaviceps* MEIGEN, *Mycetophila*, 326  
*flavicincta* SANTOS ABREU, *Forcipomyia*, 109  
*flavicollis* (ZETTERSTEDT), *Mycomya*, 224  
*flavicollis* WINNERTZ, *Phronia*, 283  
*flavicornis* (SANTOS ABREU), *Allodia*, 299  
*flavicornis* (STAEGER), *Bezzia*, 30  
*flavicornis* MEIGEN, *Leia*, 258  
*flavicornis* (ENDERLEIN), *Nevermannia*, 148  
*flavicoxa* STROBL, *Docosia*, 254  
*flavicoxa* LAŠTOVKA et MATILE, *Greenomyia*, 257  
*flavicrus* (KIEFFER), *Serromyia*, 35  
 [flavicutatus WIRTH et HUBERT, *Culicoides*, 48]  
*flavida* REMM, *Nilobezzia*, 14  
*flavida* (SANTOS ABREU), *Phronia*, 281  
*flavidorsum* SHEVCHENKO et LISETSKY, *Culicoides*, 48  
*flavidum* RUBZOV, *Simulium*, 181  
*flavidus* DZHAFAROV, *Culicoides*, 53  
*flavifrons* (GUÉRIN), *Dasyhelea*, 76  
*flavigaster* RUBZOV, *Simulium*, 181  
*flavithalateratus* (SANTOS ABREU), *Atrichopogon*, 92  
*flavimanus* (SANTOS-ABREU), *Dasyhelea*, 77  
*flavipalpis* (WINNERTZ), *Bezzia*, 30  
*flavipectus* KIEFFER, *Palpomyia*, 18  
*flavipennis* TOKUNAGA, *Bezzia*, 30  
*flavipennis* OKADA, *Brachypeza*, 305  
*flavipennis* LAŠTOVKA et MATILE, *Leia*, 259  
*flavipennis* VON ROSER, *Sciophila*, 239  
*flavipes* VIMMER, *Culicoides*, 72  
*flavipes* (STEPHENS), *Eusimulium*, 150  
*flavipes* MACQUART, *Mycetophila*, 279  
*flavipes* (AUSTEN), *Nevermannia*, 148  
*flavipes* (MEIGEN), *Orfelia*, 206  
*flavipes* (MEIGEN), *Palpomyia*, 19  
*flavipes* WINNERTZ, *Phronia*, 284  
*flavipes* (GIMMERTHAL), *Serromyia*, 35  
*flavipluma* KIEFFER, *Bezzia*, 30  
*flavipluma* KIEFFER, *Culicoides*, 50

- flavipubens* GOETGHEBUER, Forcipomyia, 108  
*flavipulcaris* DZHAFAROV, Culicoides, 49  
*flavipuncta* EDWARDS, Sceptonia, 289  
*flavistrotris* VIMMER, Culicoides, 72  
*flavistrotris* (WINNERTZ), Stilobezzia, 38  
*flavistrotoides* (STROBL), Stilobezzia, 38  
*flavirustica* REMM, Forcipomyia, 102  
*flaviscapula* KIEFFER, Dasyhelea, 81  
*flaviscapus* REMM, Atrichopogon, 88  
*flaviscutellum* TOKUNAGA, Atrichopogon, 88  
*flaviscutellum* KIEFFER, Palpomyia, 18  
*flavisimilis* DZHAFAROV, Culicoides, 63  
*flavitarsatus* (BECKER), Atrichopogon, 88  
*flavitarsis* VIMMER, Culicoides, 71  
*flavitarsis* (MEIGEN), Palpomyia, 19  
*flavitibia* RIVOSECCHI, ssp., Odagmia, 168  
*flavitibialis* SANTOS ABREU, Palpomyia, 19  
*flaviventre* STROBL, Simulium, 180  
*flaviventris* (VAN DER WULP), Allodia, 299  
*flaviventris*: LANDROCK, Boletina, 246  
*flaviventris* (KIEFFER), Ceratopogon, 44  
*flaviventris* (GOETGHEBUER), Dasyhelea, 79  
*flaviventris* (SANTOS ABREU), Dasyhelea, 76  
*flaviventris* (VON ROSER), Leia, 258  
*flaviventris* KIEFFER, Leptoconops, 111  
*flaviventris* (CZERNY et STROBL), Palpomyia, 19  
 [flaviventris KIEFFER, Parrotia, 15]  
*flaviventris* (STROBL), Saigusaia, 252  
*flaviventris* WINNERTZ, Zygomyia, 295  
*flavoantennata* (RUBZOV), Schoenbaueria, 153  
*flavohalterata* STROBL, Azana, 233  
*flavolineata* (BUKOWSKI), Mycetophila, 269  
*flavolineatus* (STROBL), Atrichopogon, 92  
*flavomaculata* EDWARDS, Anatella, 303  
*flavomaculata* VIMMER, Forcipomyia, 101  
*flavominima* REMM, Forcipomyia, 105  
*flavopyga* ZILAHİ-SEBESS, Dasyhelea, 74  
*flavoscutellata* (ZETTERSTEDT), Dasyhelea, 81  
*flavoscutellata* LUNDSTRÖM, Mycetophila, 276  
*flavoscutellata* (STROBL), Palpomyia, 19  
*flavoscutellatus* (BECKER), Atrichopogon, 92  
 [flavum MARSHALL, Brevicornu, 306]  
*flavum* (WINNERTZ), Macrorrhyncha, 204  
*flavus* GORNOSTAJEVA, Culicoides, 49  
*flavus* (ZETTERSTEDT), Symmerus, 198  
 [flebilis GAGNÉ, Trichonta, 292]  
*flexa* OSTROVERKHOVA et ISOTOV, Macropera, 214  
*flexuosum* (ZETTERSTEDT), Dynatosoma, 263  
*florae* (DJAFAROV), Cnetha, 143  
*floralis* MEIGEN, Ceratopogon, 34  
*floresiana* STORÅ, Trichonta, 292  
*floricola* KIEFFER, Dasyhelea, 82  
*fluctata* BECKER, Mycetophila, 269  
*fluminalis* (RUBZOV), ssp., Cnetha, 144  
*fluminicola* RIVOSECCHI, Wilhelmia, 156  
*fluviatilis* (RADZIVILOVSKAJA), Cnetha, 143  
*foeda* LOEW, Trichonta, 292  
*foersteri* (MEIGEN), Serromyia, 35  
*foleyi* KIEFFER, Culicoides, 57  
*foleyi* CLASTRIER, Leptoconops, 113  
*foliifera* (STROBL), Allodia, 298  
*fontana* (TERTERJAN), Odagmia, 165  
*fontia* (RUBZOV), Cnetha, 143  
*fontinalis* SANTOS ABREU, Allodia, 299  
*fontinalis* (RADZIVILOVSKAJA), Cnetha, 143  
 [forbesi MALLOCH, Byssodon, 133]  
*forcipata* (LACKSCHEWITZ), Exechiopsis, 317  
*forcipata* STROBL, Monoclona, 235  
*forcipata* LUNDSTRÖM, Mycetophila, 269  
*forcipata* WINNERTZ, Phronia, 284  
*forcipatus* (WINNERTZ), Atrichopogon, 93  
*forcipatus* LANDROCK, Leptomorphus, 234  
*Forcipomyia* MEIGEN, 94  
*Forcipomyia* MEIGEN, subg., 103  
**FORCIPOMYIINAE**, 85  
*forciposa* (TOLLET), Exechiopsis, 319  
*forcipula* WINNERTZ, Phronia, 284  
*forcipula* (LUNDSTRÖM), Pyratula, 208  
*forestaria* (PLASSMANN), Mycomya, 224  
*formicaria* KIEFFER, Forcipomyia, 105  
*formosa* LUNDSTRÖM, Mycetophila, 270  
*formosa* (WINNERTZ), Neoempheria, 230  
*formosa* (LOEW), Nilobezzia, 15  
*formosae* (KIEFFER), Forcipomyia, 108  
 [formosum SHEWELL, Prosimulium, 119]  
*fornicata* (LUNDSTRÖM), Mycomya, 224  
*forsi* CARLSSON, Gnus, 161  
*fortiserra* KIEFFER, Atrichopogon, 89  
*fossicola* KIEFFER, Atrichopogon, 88  
*fossicola* KIEFFER, Bezzia, 25  
*fossicola* KIEFFER, Culicoides, 72  
*fovea* (DZIEDZICKI), Pseudorymosia, 322  
*fragilis* GAGNÉ, Trichonta, 292  
*franzella* GOETGHEBUER, Dasyhelea, 82  
*franzi* PLASSMANN, Mycetophila, 270  
*fraterculus* (SANTOS ABREU), Culicoides, 84  
*fraterna* WINNERTZ, Mycetophila, 270  
*fraterna* (WINNERTZ), Mycomya, 224  
*fraudatrix* DZIEDZICKI, Rymosia, 323  
*frenata* DZIEDZICKI, Rymosia, 323  
*freyi* STORÅ, Forcipomyia, 109  
*freyi* LUNDSTRÖM, Mycetophila, 270  
*freyi* (ENDERLEIN), Stegopterna, 125  
*freyi* EDWARDS, Thaumalea, 189  
*fridolini* (RUBZOV), Schoenbaueria, 154  
*fridolini* STACKELBERG, Sciophila, 238



- Friesia* ENDERLEIN, 140  
*Friesia*: RUBZOV, 172  
 frigida (BOHEMAN), Exechia, 312  
 frigida SACK, Macrocera, 214  
 frigida (PLASSMANN), Mycomya, 224  
 frigida (RUBZOV), Odagmia, 166  
*frigida*, error, 295  
 [frohnei SOMMERMAN, Prosimulium, 119]  
 frontatum TERTERJAN, Prosimulium, 119  
 frontatus YANKOVSKY, Gymnopsis, 115  
 frutetorum (WINNERTZ), Forcipomyia, 98  
 fucensis (RIVISECCHI), Cnetha, 143  
*fulvax* WINNERTZ, Platyura, 209  
 fuliginata CLASTRIER, Bezzia, 33  
 fuliginosa (MEIGEN), Forcipomyia, 101  
*fuliginosa* DZIEDZICKI, Mycetophila, 277  
 fuliginosa HOLMGREN, Sciophila, 238  
 fulva SANTOS ABREU, Exechia, 316  
*fulva* WINNERTZ, Mycetophila, 279  
*fulva* (DZIEDZICKI), Mycomya, 223  
 fulva (MACQUART), Palpomyia, 19  
 fulva OSTROVERKHOVA, Platyura, 207  
 fulvacea REMM, Stilobezzia, 39  
*fulveola* HALIDAY, Cordyla, 309  
*fulvescens* SANTOS ABREU, Forcipomyia, 109  
 fulvescens KIEFFER, Palpomyia, 19  
*fulvicollis* STANNIUS, Mycetophila, 279  
 fulvipes REMM, Atrichopogon, 88  
 fulvipes ONO, Gnus, 161  
*fulvipes* (MEIGEN), Isoneuromyia, 202  
 fulvipes EDWARDS, Prosimulium, 119  
 fluviventris BUKOWSKI, Dynatosoma, 263  
 fulviventris (SANTOS ABREU), Atrichopogon, 92  
*fulvithorax* STROBL, Mycetophila, 279  
 [fulvithorax SHEWELL, Prosimulium, 119]  
 fulvosa REMM, Dasyhelea, 74  
 [fulvum (COQUILLET), Prosimulium, 119]  
 fumida EDWARDS, Bolitophila, 195  
*fumigatus* (DZIEDZICKI), Epicypta, 265  
 fumipennis REMM, Ceratopogon, 43  
 fumipennis (BUKOWSKI), Platurocypta, 288  
 fumipes EDWARDS, Sceptonia, 289  
 fumosa EDWARDS, Docosia, 254  
*fumosa* WALKER, Leia, 326  
*funebria* (MEIGEN), Ceratopogon, 84  
*funebria* WINNERTZ, Trichonta, 294  
*Fungina* RONDANI, 248  
*Fungivora* MEIGEN, 266  
 fungivora KRIVOSHEINA et REMM, Dasyhelea, 77  
 fungorum (DE GEER), Mycetophila, 270  
 furcata ZILAH-SEBESS, Dasyhelea, 82  
 furcata (LUNDSTRÖM), Exechiopsis, 317  
 furcellata REMM, Stilobezzia, 39  
 furcillatus CALLOT, KREMER et PARADIS, Culicoides, 57  
 [furens POEY, Oecacta, 54]  
 furva REMM, Dasyhelea, 82  
 furva EDWARDS, Thaumalea, 189  
*fusca* MEIGEN, Bolitophila, 195  
*fusca* BEZZI, Coelosia, 249  
 fusca MEIGEN, Cordyla, 310  
 fusca CARTER, INGRAM et MACFIE, Dasyhelea, 77  
 fusca (MEIGEN), Exechia, 312  
*fusca* GOETGHEBUER, Kolenohalea, 40  
*fusca* LANDROCK, Macrocera, 214  
 fusca (BUKOWSKI), Mycetophila, 270  
 fusca (MEIGEN), Mycomya, 224  
 fusca RUBZOV, Odagmia, 166  
 fusca LANDROCK, Trichonta, 293  
 fuscata (WINNERTZ), Mycomya, 224  
*fuscescens* (VON ROSER), Orfelia, 206  
 fuscicalcar EDWARDS, Leia, 259  
 fuscicauda OKADA, Coelosia, 249  
 fuscicaudatus SAIGUSA, Symmerus, 189  
*fusciclava* KIEFFER, Bezzia, 29  
*fusciclava* KIEFFER, Palpomyia, 18  
 fuscicorne (MEIGEN), Dynatosoma, 263  
 fuscidorsum KIEFFER, Stilobezzia, 39  
 fuscifemoris REMM, Bezzia, 26  
 fuscipalpis EDWARDS, Sceptonia, 289  
 fuscipeptus KIEFFER, Palpomyia, 19  
 fuscipenne (STAEGER), Brevicornu, 307  
 fuscipennis WIRTH, Probezzia, 12  
*fuscipes* ZETTERSTEDT, Ceratopogon, 110  
 fuscipes (VON ROSER), Docosia, 254  
*fuscipes* KNOZ, Prosimulium, 122  
*fuscipes* (VON ROSER), Prosimulium, 122  
*fuscipes* (FRIES), Wilhelmina, 155  
 fusciventris VON ROSER, Macrocera, 214  
 fusciventris VAN DUZEE, Phronia, 284  
 fuscocincta REMM, Dasyhelea, 74  
 fusconitens BECKER, Mycetophila, 270  
 fuscula HOLMGREN, Boletina, 244  
*fuscula* ZETTERSTEDT, Mycetophila, 326  
 fuscus (MEIGEN), Atrichopogon, 88  
*fuscus* GOETGHEBUER, Culicoides, 72  
*fuscus* GUTSEVICH et SMATOV, Culicoides, 54  
 gabovae RUBZOV, Gnus, 161  
 galeratum EDWARDS, Simulium, 181  
*galeratum*: RUBZOV, Simulium, 184  
 galibierensis VAILLANT, Thaumalea, 189  
 gallicus CLASTRIER, Leptoconops, 113  
*gallii* (EDWARDS), Prosimulium, 122  
 galloprovincialis (GIUDICELLI), Obuchovia, 160  
 gandavensis GOETGHEBUER, Bezzia, 30

- garniensis* (RUBZOV), *Cnetha*, 143  
*gaudi* (GRENIER et FAURE), *Odagmia*, 166  
*geigelensis* (DJAFAROV), *Cnetha*, 143  
*geigelensis* DZHAFAROV, *Culicoides*, 57  
*geleiana* ZILAHİ-SEBESS, *Dasyhelea*, 76  
*gelida* KIEFFER, *Serromyia*, 35  
*gemella* MAMAIEV, *Mycetobia*, 219  
*Geneja* LLOYD, 212  
*genicularis* (SHIRAKI), *Nevermannia*, 148  
*geniculata* (GUÉRIN), *Forcipomyia*, 103  
*geniculata* ZETTERSTEDT, *Sciophila*, 238  
*geniculatum* (MATSUMURA), *Dynatosoma*, 264  
*georgiei* W. HUTTEL et N. HUTTEL, *Dasyhelea*, 77  
*geranias* (LOEW), *Macrorrhyncha*, 204  
*gerstaeckeri* ENDERLEIN, *Simulium*, 177  
*gibba* WINNERTZ, *Anatella*, 303  
*gibba*: DZIEDZICKI, *Mycetophila*, 271  
*gibba* WINNERTZ, *Mycetophila*, 267  
*Gibbinsiellum* RUBZOV, 135  
*gibbula* EDWARDS, *Mycetophila*, 270  
*[gibsoni* (TWINN), *Parahelodon*, 124]  
*gigaforceps* REMM, *Ceratopogon*, 43  
*gigantea* (RUBZOV), *Hemicnetha*, 154  
*gigas* RUBZOV, *Prosimulium*, 119  
*gilvipes* (WALKER), *Docosia*, 254  
*gimmerthali* (LANDROCK), *Mycomya*, 224  
*girschneri* DZIEDZICKI, *Phronia*, 282  
*girschneri* LANDROCK, *Trichonta*, 293  
*glabrata* LOEW, *Bolitophila*, 195  
*glabratella* MAYER, *Bolitophila*, 195  
*glabricollis* (MEIGEN), *Ceratopogon*, 94  
*glandis* LAŠTOVKA et MATILE, *Brevicornu*, 307  
*Glaphyoptera* WINNERTZ, 257  
*glauca* MACFIE, *Forcipomyia*, 99  
*globulifera* REMM, *Palpomyia*, 19  
*gloriosa* KIEFFER, *Alluaudomyia*, 40  
*gluchovae* MIRZAJEVA, *Culicoides*, 68  
*Gluhhovia* REMM, subg., 16  
*Gluhhovia* REMM, 16  
*glumovoense* BARANOV, ssp., *Simulium*, 184  
*glyceriae* KIEFFER, *Bezzia*, 28  
*Gnoriste* MEIGEN, 250  
*GNORISTINI*, 242  
*Gnus* RUBZOV, 161  
*goetghebueri* ARNAUD, *Culicoides*, 68  
*goetghebueri* KIEFFER, *Dasyhelea*, 78  
*goetghebueri* KIEFFER, *Palpomyia*, 23  
*goetghebueri* DE MEJERE, *Sphaeromyias*, 16  
*goidanichi* RUBZOV, *Prosimulium*, 119  
*golani* (BEAUCORNU-SAGUEZ et BRAVERMAN), *Wilhelmia*, 156  
*gomphocornis* (RUBZOV), *Nevermannia*, 148  
*Gomphostilbia* ENDERLEIN, 135  
*gorana* (MAYER), *Monohalea*, 37  
*gorjense* DINULESCU, *Tetisimulium*, 173  
*gorodkovi* (RUBZOV), *Metacnephia*, 129  
*gracilicornis* (LANDROCK), *Exechiopsis*, 318  
*gracilipes* (WINNERTZ), *Bezzia*, 30  
*gracilipes* (REMM), *Ceratoculicoides*, 46  
*gracilipes* (EDWARDS), *Crosskeyellum*, 160  
*gracilipes* VAILLANT, *Culicoides*, 58  
*gracilipes* DZIEDZICKI, *Rymosia*, 322  
*gracilis* (WINNERTZ), *Allodiopsis*, 301  
*gracilis* (WINNERTZ), *Bezzia*, 32  
*gracilis* EDWARDS, *Ectrepesthoneura*, 256  
*gracilis* BUKOWSKI, *Exechia*, 312  
*gracilis* STANNIUS, *Mycetophila*, 326  
*gracilis* HACKMAN, *Phronia*, 284  
*gracilis* WINNERTZ, *Phthiria*, 237  
*gracilis* (HALIDAY), *Stilobezzia*, 39  
*gradiforceps* (KIEFFER), *Ceratopogon*, 43  
*gradiosa*, error, 271  
*graium* COUVERT, *Tetisimulium*, 173  
*[grandis* (BRUNETTI), *Isoneuromyia*, 202]  
*grandis* LUNDSTRÖM, *Macrocera*, 215  
*grandis*: EDWARDS, 213  
*graphica* (PLASSMANN), *Exechiopsis*, 317  
*grassatura* (PLASSMANN), *Exechiopsis*, 317  
*grata* (MEIGEN), *Allodia*, 298  
*gratiosa* WINNERTZ, *Mycetophila*, 271  
*gredosensis* SCHMID, *Thaumalea*, 190  
*Greenomyia* BRUNETTI, 257  
*Greniera* DOBY et DAVID, 126  
*grenieri* CLASTRIER, *Dasyhelea*, 82  
*gribae* RUBZOV, *Odagmia*, 166  
*gripha* DZIEDZICKI, *Boletina*, 244  
*griphoides* EDWARDS, *Boletina*, 245  
*grisea* KIEFFER, *Bezzia*, 28  
*grisea* ZETTERSTEDT, *Mycetophila*, 270  
*grisea* (ZILAHİ-SEBESS), *Nilobezzia*, 14  
*griseata* REMM, *Bezzia*, 26  
*griseicollis* (STAEGER), *Brevicornu*, 307  
*griseicollis* SANTOS ABREU, *Exechia*, 312  
*griseicollis* (BECKER), *Psilocnetha*, 135  
*griseidorsum* KIEFFER, *Culicoides*, 58  
*[griseifrons* BRUNETTI, *Simulium*, 179]  
*griseipennis* (STORÅ), *Ceratopogon*, 44  
*griseipennis* STROBL, *Neoempheria*, 231  
*griseolum* (ZETTERSTEDT), *Brevicornu*, 307  
*griseolus* (ZETTERSTEDT), *Ceratopogon*, 72  
*griseovittata* (ZETTERSTEDT), *Mycomya*, 225  
*griseovittatus* VIMMER, *Culicoides*, 71  
*grisescens* EDWARDS, *Culicoides*, 49  
*groenlandica* STAEGER, *Boletina*, 245  
*groenlandica* LUNDBECK, *Gnoriste*, 250  
*grogani* SZADZIEWSKI et WIRTH, *Parabezzia*, 40

- grossipes* GOETGHEBUER, Palpomyia, 19  
*Grzegorzekia* EDWARDS, 251  
*grzegorzekii* DZIEDZICKI, Boletina, 247  
*guanchense* CLASTRIER, Dasyhelea, 74  
*guelminoii* BARANOV, ssp., Odagmia, 169  
*guilanense* MATILE, Brevicornu, 307  
*guilleaumei* GOETGHEBUER, Forcipomyia, 105  
*guimari* (BECKER), Eusimulium, 151  
*[gurneyae* (SENIOR-WHITE), Odagmia, 166]  
*gusevi* RUBZOV, Simulium, 176  
*gutsevichi* SEN et DAS GUPTA, Culicoides, 58  
*gutsevitskii* YANKOVSKY, Byssodon, 134  
*guttata* DZIEDZICKI, Mycetophila, 266  
*guttata* LUNDSTRÖM, Rymosia, 323  
*guttiventris* (MEIGEN), Exechia, 312  
*guttiventris* (ZETTERSTEDT), Polylepta, 237  
*guttularis* KIEFFER, Culicoides, 62  
*gviletense* (RUBZOV), Montisimulium, 138  
*Gymnogonia* TUOMIKOSKI, subg., 301  
*Gymnogonia* TUOMIKOSKI, 300  
*Gymnohelea* KIEFFER, 85  
 GYMNOPAIDINAE, 115  
*Gymnopais* STONE, 115
- Hadroneura* LUNDSTRÖM, 251  
*haematophaga* RUBZOV et CARLSSON, ssp.,  
 Stegopterna, 126  
*haesitans* (KIEFFER), Atrichopogon, 88  
*Haimophaga* RUBZOV, 117  
*hajotsdzorensis* (TERTERJAN), Metacnephia, 129  
*halidayi* (LOEW), Antlemon, 200  
*halobia* KIEFFER, Dasyhelea, 79  
*halobia* (KIEFFER), Dasyhelea, 82  
*halobius* KIEFFER, Culicoides, 69  
*halonensis* TAKAHASI, Odagmia, 166  
*halophila* KIEFFER, Dasyhelea, 77  
*halophilus* KIEFFER, Culicoides, 49  
*[halteralis* MALLOCH, Johannsenomyia, 12]  
*halterata* (WINNERTZ), Ceratopogon, 109  
*halterata* (STAEBER), Monoclonia, 235  
*hamardabani* REMM, Dasyhelea, 82  
*hamata* WINNERTZ, Mycetophila, 271  
*hamata* MIK, Trichonta, 293  
*hamifer* (GOETGHEBUER), Atrichopogon, 93  
*hammi* (EDWARDS), Exechiopsis, 317  
*hamulata* (LACKSCHEWITZ), Pseudexechia, 321  
*hamulatus* REMM, Atrichopogon, 93  
*hamuligera* YANKOVSKY, Stegopterna, 125  
*haranti* RIOUX, DESCOURS et PECH, Culicoides, 58  
*haranti* W. HUTTEL et N. HUTTEL, Monohhelea, 73  
*harcyniae* VON RÖDER, Gnoriste, 250  
*hastatum* (WINNERTZ), Brevicornu, 308  
*hatangensis* (RUBZOV), ssp., Cnetha, 144  
*hathor* KIEFFER, Forcipomyia, 100  
*hebes* JOHANNES, Sciophila, 239  
*hebrardi* VÄISÄNEN et MATILE, Mycomya, 225  
*heidenreichi* ENDERLEIN, Simulium, 181  
*Helea* MEIGEN, 42  
*Helichiella* RIVOSECCHI et CARDINALI, 127  
*heliophila* MACFIE, Dasyhelea, 82  
*heliophilus* EDWARDS, Culicoides, 58  
*Helladepichoria* BECKER, 200  
*Hellichia* ENDERLEIN, 118  
*Hellichia*: RUBZOV, 132  
*helobia* (OSTROVERKHOVA), Mycomya, 225  
*Helodon* ENDERLEIN, 123  
*helvetica* (WALKER), Pseudobrachypeza, 321  
*helveticus* CALLOT, KREMER et DEDUIT, Culicoides, 70  
*helvola* (WALKER), Megophthalmidia, 260  
*Hemicnetha* ENDERLEIN, 154  
*henanei* CLASTRIER, Nilobezzia, 15  
*heptapotamicus* (RUBZOV), Byssodon, 133  
*heracleae* KIEFFER, Dasyhelea, 81  
*heringi* ENDERLEIN, Simulium, 181  
*Hertwigia* DZIEDZICKI, 250  
*Hesperodina* MATSUMURA, 193  
*heterocera* KIEFFER, Forcipomyia, 103  
*heterocerus* KIEFFER, Culicoides, 52  
*heterochaeta* OSTROVERKHOVA, Mycetophila, 271  
*heteroclitus* KREMER et CALLOT, Culicoides, 58  
 HETEROMYIINI, 33  
*Heteropygium* DZIEDZICKI, 252  
*hetschkoi* LANDROCK, Mycetophila, 271  
*heusdensis* GOETGHEBUER, Bezzia, 32  
*hexastichus* NIELSEN, Atrichopogon, 88  
*heydeni* (PLASSMANN), Mycomya, 225  
*heymonsi* (ENDERLEIN), Metacnephia, 129  
*hians* (LUNDSTRÖM), Mycomya, 225  
*hibernale* RUBZOV, Simulium, 181  
*hibernalis* RUBZOV, Odagmia, 166  
*hiemale* (RUBZOV), ssp., Tetisimulium, 173  
*hiemalis* (SANTOS ABREU), Culicoides, 84  
*[hieroglyphica* KIEFFER, Monohhelea, 36]  
*hiisi* VÄISÄNEN, Mycomya, 225  
*hikosanensis* TOKUNAGA, Forcipomyia, 105  
*hilaris* WINNERTZ, Brachypeza, 305, 326  
*hilaris* DUFOUR, Mycetophila, 279  
*himalayensis* (PURI), Odagmia, 166  
*Himalayum* LEWIS, 172  
*hippocastani* (MIK), Dasyhelea, 78  
*hirta* (WINNERTZ), Ectrepesthoneura, 256  
*hirta* (LUNDSTRÖM), Forcipomyia, 98  
*hirta* (RUBZOV et TERTERJAN), ssp., Metacnephia,  
 130  
*hirta* MEIGEN, Sciophila, 239

- hirtidorsum* REMM, *Atrichopogon*, 88  
*hirtidorsum* (KIEFFER), *Forcipomyia*, 104  
*hirtilobula* SASAKAWA et KIMURA, *Boletina*, 245  
*hirtipalpis* KIEFFER, *Forcipomyia*, 97  
*hirtipennis* (MALLOCH), *Forcipomyia*, 100  
*hirtipes* KIEFFER, *Dasyhelea*, 82  
*hirtipes* RONDANI, *Ptotepalpus*, 311  
*hirtipes* (FRIES), *Prosimulium*, 120  
*hirtula* (ZETTERSTEDT), *Forcipomyia*, 104  
*hispaniae* HAVELKA, *Atrichopogon*, 92  
*hispanica* (STROBL), *Macrorhyncha*, 204  
*hispaniolum* (GRENIER et BERTRAND), *Cleitosimulium*, 175  
*hissarica* REMM, *Bezzia*, 30  
*hissarica* REMM, *Forcipomyia*, 99  
*hissarica* REMM, *Monohelea*, 37  
*h-nigra* (SANTOS ABREU), *Odagmia*, 166  
*hoggarensis* CLASTRIER, *Bezzia*, 26  
*Holoconops* KIEFFER, subg., 112  
*Holoconops* KIEFFER, 111  
*holosericae* (MEIGEN), *Dasyhelea*, 74  
*Homobezzia* MACFIE, subg., 25  
*Homobezzia* MACFIE, 25  
*homocera* KIEFFER, *Dasyhelea*, 77  
*homochrous* REMM, *Culicoides*, 68  
*homoius* INGRAM et MACFIE, *Atrichopogon*, 88  
*homopterus* KIEFFER, *Atrichopogon*, 90  
*[homotomus* KIEFFER, *Culicoides*, 71]  
*horokaense* ONO, *Simulium*, 179  
*horrida* OSTROVERKHOVA, *Mycetophila*, 271  
*hortulana* (MEIGEN), *Palpomyia*, 19  
*horvathi* (ENDERLEIN), *Eusimulium*, 151  
*hudjakovi* REMM, *Ceratopogon*, 44  
*humale* ZETTERSTEDT, *Simulia*, 186  
*humeralis* (ZETTERSTEDT), *Boletina*, 243  
*humeralis* ZETTERSTEDT, *Ceratopogon*, 110  
*humeralis* (ZETTERSTEDT), *Cerotelion*, 201  
*humeralis* OKADA, *Culicoides*, 48  
*humeralis* A. COSTA, *Fungina*, 248  
*humeralis* SANTOS ABREU, *Phronia*, 284  
*humeralis* WINNERTZ, *Phronia*, 284  
*humeralis* (WINNERTZ), *Urytalpa*, 209  
*humeralis* (WIEDEMANN), *Zygomia*, 295  
*humarella* EDWARDS, *Sceptonia*, 289  
*humerosa* (RUBZOV), *Odagmia*, 166  
*humilis* WINNERTZ, *Phthiria*, 237  
*hungarica* ZILAHÍ-SEBESS, *Bezzia*, 28  
*hungarica* (RUBZOV), ssp., *Nevermannia*, 148  
*hungarica* (LUNDSTRÖM), *Sytemna*, 241  
*hungarica* LANDROCK, *Trichonta*, 293  
*hutsoni* CLASTRIER, *Leptoconops*, 114  
*hutteli* ARNOLD et JARRY, *Forcipomyia*, 105  
*hyalinata* (MEIGEN), *Mycomya*, 225  
*hyalinimaculata* SANTOS ABREU, *Macrocera*, 215  
*hyalinipennis* KIEFFER, *Leptoconops*, 111  
*hybrida* (MEIGEN), *Bolitophila*, 195  
*hybrida* REMM, *Forcipomyia*, 105  
*hydroides* (NOVAK), *Twinnia*, 115  
*hydrophila* KIEFFER, *Bezzia*, 27  
*hygropetrica* VALLANT, *Alluaudomyia*, 40  
*hygrophila* KIEFFER, *Forcipomyia*, 105  
*hymenophalloides*, SASAKAWA et KIMURA, *Boletina*, 245  
*hyperboreus* CLASTRIER, *Ceratopogon*, 45  
*hyrcania* LAŠTOVKA et MATILE, *Mycetophila*, 271  
*hyrcanica* (SCHMID), *Ornephilina*, 187  
*ibariense* (ZIVKOVITCH et GRENIER), *Gnus*, 161  
*ibericus* DZHAFAROV, *Culicoides*, 53  
*iblea* (RIVOSECCHI), *Nevermannia*, 148  
*icenia* EDWARDS, *Trichonta*, 293  
*ichneumonea* SAY, *Mycetophila*, 271  
*idonea* LAŠTOVKA, *Mycetophila*, 271  
*ikariae* WAGNER, *Thaumalea*, 190  
*iliensis* GUTSEVICH et SMATOV, *Culicoides*, 58  
*illustris* (WINNERTZ), *Monohelea*, 37  
*imaculata* VIMMER, *Forcipomyia*, 109  
*imeretica* REMM, *Forcipomyia*, 98  
*imicola* KIEFFER, *Culicoides*, 51  
*immaculata* (SANTOS ABREU), *Culicoides*, 84  
*immaculata* (GIGLIO-TOS), *Leia*, 259  
*immaculata* (DZIEDZICKI), *Mycetophila*, 271  
*[imparunguis* KIEFFER], *Alluaudomyia*, 40]  
*imparunguis* (BECKER), *Johannsenomyia*, 12  
*Impleta* PLASSMANN, 251  
*impressus* KIEFFER, *Culicoides*, 70  
*impunctatus* GOETGHEBUER, *Culicoides*, 49  
*inaequale* STROBL, *Dynatosoma*, 263  
*inanis* (WINNERTZ), *Mycomya*, 222  
*inaperta* OSTROVERKHOVA, *Exechia*, 312  
*incanum* (LOEW), *Simulium*, 181  
*incerta* CLASTRIER, *Monohelea*, 36  
*incisurata* EDWARDS, *Anatella*, 304  
*incisurata* REMM, *Dasyhelea*, 77  
*incisurata* (ZETTERSTEDT), *Mycomya*, 225  
*inclusa* KIEFFER, *Dasyhelea*, 74  
*incompleta* BECKER, *Macrocera*, 215  
*incompleta* MACQUART, *Mycetophila*, 279  
*incompletus* (KIEFFER), *Ceratopogon*, 45  
*[inconspicua* BRUNETTI, *Macrocera*, 215]  
*inconspicua* WALKER, *Platyura*, 209  
*inconspicua* CARTER, INGRAM et MACFIE, *Dasyhelea*, 82  
*incornuta* ENDERLEIN, *Cnetha*, 143  
*indecisa* (WALKER), *Exechiopsis*, 317  
*[indicum* (BECKER), *Himalayum*, 172]

- indistincta* REMM, Palpomyia, 19  
*indistinctus* KHALAF, Culicoides, 61  
*inermipes* KIEFFER, Stilobezzia, 38  
*inermipes* KIEFFER, Serromyia, 35  
*inermis* LUNDSTRÖM, Boletina, 244  
*inermis* (KIEFFER), Mallochohelea, 13  
*inermis* DUFOUR, Mycetophila, 326  
*infera* WALKER, Leia, 326  
*inflata* (OSTROVERKHOVA), Mycomyia, 225  
*inflata* (WINNERTZ), Probezzia, 12  
*inflata* BEZZI, Thaumalea, 190  
*inflativa* TOKUNAGA, Monohelea, 37  
*inflatum* (RUBZOV), Montisimulium, 138  
*inflatum* DAVIES, Prosimulium, 120  
*infusata* (WINNERTZ), Orfelia, 206  
*infusata* KIEFFER, Palpomyia, 19  
*infuscus* GOETGHEBUER, Atrichopogon, 88  
*ingeniosa* (KIDD), Allodiopsis, 301  
*ingrica* STACKELBERG, Boletina, 245  
*ingrica* STACKELBERG, Bolitophila, 195  
*ingrica* (STACKELBERG), Exechiopsis, 318  
*inopinatus* W. HUTTEL et N. HUTTEL, Leptoconops, 111  
*insignipalpis* KIEFFER, Dasyhelea, 77  
*[insignis* SKUSE, Lygistorrhina, 220]  
*insignis* (WINNERTZ), Neoempheria, 231  
*insolita* (SANTOS ABREU), Odagmia, 166  
*insolita* SANTOS ABREU, Sciophila, 239  
*insons* LAŠTOVKA et MATILE, Cordyla, 310  
*insularis* KITAOKA, Culicoides, 58  
*insularis* LANDROCK, Phronia, 284  
*intercalare* RUBZOV, Prosimulium, 120  
*intermedia* SANTOS ABREU, Allodia, 299  
*intermedia* LUNDSTRÖM, Boletina, 245  
*intermedia* RUBZOV, Cnephia, 128  
*intermedia* (SANTOS ABREU), Culicoides, 84  
*intermedia* SANTOS ABREU, Exechia, 312  
*intermedia* (TARWID), Macrorrhyncha, 204  
*intermedia* (ROUBAUD), Odagmia, 166  
*intermedia* (BARANOV), Simulium, 181  
*intermedia* SCHMID, Thaumalea, 190  
*intermedius* OKADA, Culicoides 52  
*intermissa* (PLASSMANN), Mycomyia, 225  
*interposita* (OSTROVERKHOVA), Mycomyia, 225  
*interrupta* (ZETTERSTEDT), Exechia, 311  
*interrupta* BECKER, Mycetophila, 272  
*interrupta* (WINNERTZ), Sciophila, 239  
*intersecta* (MEIGEN), Exechiopsis, 318  
*interstincta* DZIEDZICKI, Phronia, 284  
*intincta* MEIGEN, Platyura, 209  
*inversa* LOEW, Macrocera, 215  
*irakae* (SMART), Byssodon, 133  
*iranicus* NAVAL, Culicoides, 58  
*iraquensis* KHALAF, Culicoides, 51  
*irkutense* RUBZOV, Prosimulium, 120  
*irritans* (NOË), Leptoconops, 111  
*irritans* RUBZOV, Prosimulium, 120  
*ishikariensis* YAMASHITA, KITAMURA et NAKAMURA, Forcipomyia, 105  
*ishikawae* (TAKAHASI), Gnus, 162  
*ishizuchiensis* (UDAKA), Forcipomyia, 105  
*isis* KIEFFER, Atrichopogon, 94  
*ismailiae* MACFIE, Dasyhelea, 82  
*Isohelea* KIEFFER, subg., 44  
*Isohelea* KIEFFER, 42  
*Isoneuromyia* BRUNETTI, 201  
*isos* RUBZOV, Prosimulium, 120  
*italica* (A. COSTA), Macrorrhyncha, 204  
*italicum* RIVOSECCHI, ssp., Prosimulium, 120  
*ivanovae* IVASCENKO, Greniera, 126  
*ivashentzovi* (RUBZOV), ssp., Wilhelimia, 156  
*iwatensis* SHINJI, Neoparatina, 241  
*iwatensis* (SHIRAKI), Phoretodagmia, 172  
*jacobsoni* MACFIE, Culicoides, 51  
*jacuticum* (RUBZOV), Gnus, 161  
*jacuticum* RUBZOV, Prosimulium, 120  
*[jani* (LEWIS), Phoretodagmia, 172]  
*janickii* (DZIEDZICKI), Palaeodocosa, 252  
*jankovskiae* (RUBZOV), Sulcicnephia, 131  
*januarii* (LUNDSTRÖM), Exechiopsis, 318  
*janzeni* ENDERLEIN, Simulium, 177  
*japana* (TOKUNAGA), Nilobezzia, 14  
*japonensis* RUBZOV, Twinnia, 115  
*japonica* (SASAKAWA), Asioditomyia, 197  
*japonica* TOKUNAGA, Bezzia, 26  
*japonica* (OKADA), Bolitophila, 194  
*japonica* SASAKAWA, Ectrepesthoneura, 256  
*japonica* (TOKUNAGA), Forcipomyia, 98  
*japonica* UDAKA, Monohelea, 37  
*japonica* (OKADA), Protothaumalea, 188  
*japonica* (MATSUMURA), Rondaniella, 262  
*japonicum* (SHIRAKI), Gnus, 162  
*japonicum* MATSUMURA, Simulium, 179  
*japonicum* SHIRAKI, Simulium, 179  
*japonicus* TOKUNAGA, Atrichopogon, 93  
*japonicus* ARNAUD, Culicoides, 68  
*jeholensis* (TAKAHASI), Sulcicnephia, 131  
*jejunus* MACFIE, Atrichopogon, 88  
*Jenkinshelea* MACFIE, 11  
*Jenkinsia* KIEFFER, 11  
*jenkinsoni* (EDWARDS), Exechiopsis, 318  
*jenkinsoni* (EDWARDS), Megalopelma, 235  
*jenkinsoni* EDWARDS, Mycetophila, 273  
*jerichoensis* (SMART), Nevermannia, 148  
*jezonicum* (MATSUMURA), Prosimulium, 120

- johannae* STEENBERG, Phronia, 281  
*Johannseniella* WILLISTON, 35  
*Johannsenomyia* MALLOCH, 12  
*juccii* CONTINI, Urosimulium, 125  
*judaeae* MACFIE, Culicoides, 59  
*jugata* OSTROVERKHOVA, Phronia, 284  
*jugatum* BOLDARUEVA, Simulium, 176  
*jumineri* CALLOT et KREMER, Culicoides, 58  
*jurensis* CALLOT, KREMER et DEDUIT, Culicoides, 58  
  
*kabyliensis* KIEFFER, Culicoides, 52  
*kaltenbachii* (WINNERTZ), Forcipomyia, 101  
*kamijoni* SASAKAWA, Leia, 259  
*kamtschaticum* RUBZOV, Simulium, 181  
*kamtshatica* (RUBZOV), Ahaimophaga, 117  
*kamtshatica* STACKELBERG, Hadroneura, 251  
*kamui* (UEMOTO et OKAZAWA), Haimophaga, 118  
*kanchaveli* MATSCHAVARIANI, Odagmia, 166  
*kani* UEMOTO, ONISHI et ORII, Prosimulium, 120  
*karagiensis* SMATOV et ALDABERGENOV, Culicoides, 58  
*karajevi* DZHAFAROV, Culicoides, 58  
*karakumensis* GUTSEVICH et MOLOTOVA, Culicoides, 59  
*karelica* VÄISÄNEN, Mycomya, 225  
*karenkoensis* SHIRAKI, Odagmia, 167  
*karibaense* ONO, Prosimulium, 120  
*kariyai* (TAKAHASI), Boreosimulium, 133  
*karpathica* LANDROCK, Mycetophila, 272  
*karpathicum* LANDROCK, Brevicornu, 307  
*karzhantavica* (RUBZOV), Cnetha, 143  
*kasachstanicus* GUTSEVICH et SMATOV, Culicoides, 66  
*kasachstanicus* SHAKIRZJANOVA, Culicoides, 50  
*kashmiricum* (EDWARDS), Himalayum, 172  
*kasimi* KHALAF, Culicoides, 59  
*kaszabi* RUBZOV, Eusimulium, 151  
*kaszabi* LAŠTOVKA et MATILE, Exechiopsis, 320  
*kaszabi* LAŠTOVKA et MATILE, Leia, 259  
*katoi* SASAKAWA et KIMURA, Boletina, 245  
*katoi* SHIRAKI, Simulium, 179  
*kaurii* VÄISÄNEN, Mycomya, 225  
*kawamurae* MATSUMURA, Simulium, 179  
*kazahstanicum* RUBZOV, Eusimulium, 151  
*kazlauskasi* REMM, Bezzia, 30  
*keiseri* (RUBZOV), Cnetha, 143  
*kerisorum* (RUBZOV), Tetisimulium, 173  
 KEROPLATIDAE, 199  
*Keroplatus* Bosc, 202  
*kerteszi* KIEFFER, Leptoconops, 113  
*kerteszi* LUNDSTRÖM, Macrocera, 215  
*kerteszi* ENDERLEIN, Nevermannia, 149  
  
*Kertesziina* ENDERLEIN, 261  
*kerzhneri* (RUBZOV), Montisimulium, 138  
*khasiensis* SENIOR-WHITE, Mycetophila, 270  
*kibunensis* TOKUNAGA, Culicoides, 59  
*kibunensis* TOKUNAGA, Dasyhelea, 82  
*kiefferi* GOETGHEBUER, Culicoides, 71  
*kiefferi* (GOETGHEBUER), Mallochohelea, 13  
*kiefferi* GOETGHEBUER, Palpomyia, 18  
*kiefferiana* GOETGHEBUER, Bezzia, 26  
*Kiefferomyia* MAYER, 36  
*kii* TOKUNAGA, Culicoides, 51  
*kii* (TOKUNAGA), Forcipomyia, 97  
*kingi* (ÉLΦ), Brevicornu, 307  
*kingi* AUSTEN, Culicoides, 59  
*kingi* (EDWARDS), Mycomya, 225  
*kiotoense* SHIRAKI, Prosimulium, 120  
*kirgisorum* (RUBZOV), Montisimulium, 138  
*kirgizica* GLUKHOVA, Palpomyia, 20  
*kirgizica* GLUKHOVA, Culicoides, 59  
*kirinensis* LEE, Culicoides, 49  
*kiritshenkoi* (RUBZOV), Odagmia, 167  
*kirjanovae* (RUBZOV), Metacnephia, 129  
*kirovandicus* DZHAFAROV, Culicoides, 68  
*kisoense* (UEMOTO), Gnus, 162  
*kitaokai* TOKUNAGA, Bezzia, 29  
*kitaokai* TOKUNAGA, Culicoides, 51  
*knechteli* DINULESCU, Simulium, 182  
*knochi* ENDERLEIN, Gnetha, 143  
*knockensis* GOETGHEBUER, Forcipomyia, 97  
*kobachidzei* DZHAFAROV, Culicoides, 59  
*kobayashii* (OKAMOTO, YOSHIDA, SATO et SHOGAKI), Montisimulium, 138  
*koidzumii* (TAKAHASI), Byssodon, 134  
*Kolenohlelea* DE MEILLON et WIRTH, 40  
*kolpaschica* OSTROVERKHOVA, Phronia, 285  
*kolymense* PATRUSHEVA, Prosimulium, 120  
*komandorensis* (RUBZOV), ssp., Ahaimophaga, 116  
*konakovi* RUBZOV, Simulium, 179  
*kondici* (BARANOV), Tetisimulium, 173  
*koniae* (KIEFFER), Ceratopogon, 109  
*konoi* (TAKAHASI), Nevermannia, 148  
*konsuloffi* ENDERLEIN, Odagmia, 167  
*koreensis* ARNAUD, Culicoides, 68  
*korni* HAVELKA, Palpomyia, 20  
*korsakovi* (RUBZOV), Metacnephia, 129  
*korshunovi* PATRUSHEVA, ssp., Prosimulium, 121  
*koshikiensis* (TAKAOKA), ssp., Cnetha, 146  
*kowarzi* STACKELBERG, Boletina, 245  
*kowarzi* DZIEDZICKI, Macrobrachius, 265  
*kozlovi* (RUBZOV), Tetisimulium, 174  
*krymense* RUBZOV, Eusimulium, 151  
*kugartsuensis* (RUBZOV), Cnetha, 143

- kugitangi ATAJEV, *Culicoides*, 59  
 kuhetiensis REMM, *Bezzia*, 26  
 kuraiensis REMM, *Culicoides*, 64  
 kurektschaicus DZHAFAROV, *Culicoides*, 61  
 kurense RUBZOV et DJAFAROV, *Simulium*, 182  
 kurensis REMM *Bezzia*, 30  
 kurensis DZHAFAROV, *Culicoides*, 59  
     kurensis REMM, *Dasyhelea*, 74  
 kurganense (RUBZOV), *Montisimulium*, 138  
 kurilense RUBZOV, *Simulium*, 179  
 kurilensis REMM, *Ceratopogon*, 43  
 kuusamoensis VÄISÄNEN, *Mycomya*, 225  
 kuznetzovi (RUBZOV), *Cnetha*, 144  
 kykladica WAGNER, *Thaumalea*, 190  
 kyotoensis TOKUNAGA, *Atrichopogon*, 88  
 kyotoensis TOKUNAGA, *Bezzia*, 25  
 kyotoensis TOKUNAGA, *Culicoides*, 51  
 kyotoensis TOKUNAGA, *Dasyhelea*, 82  
 kyotoensis TOKUNAGA, *Forcipomyia*, 100  
 kyotoensis (MEIGEN), *Palpomyia*, 20  
 kyrencia REMM, *Dasyhelea*, 82  
 kyushuense (TAKAOKA), *Gnus*, 162
- laami (BAUCOURNU-SAGUEZ et BAILLY-CHOU-  
 MARA), *Helodon*, 123  
*Labidomyia* STEPHENS, 94  
*laboulbeni* (PERRIS), *Ceratopogon*, 109  
 lachense (RUBZOV), spp., *Montisimulium*, 138  
*lacicola* ARNAUD, *Culicoides*, 69  
 lackshewitziana (STACKELBERG), *Exechiopsis*,  
 318  
*lacteinervis* KIEFFER, *Culicoides*, 52  
*lacteipennis* ZETTERSTEDT, *Ceratopogon*, 43  
*lacteipennis* KIEFFER, *Leptoconops*, 113  
*lacteipennis* (MEIGEN), *Palpomyia*, 20  
*lactella* REMM, *Alluaudomyia*, 41  
*laeta* WALKER, *Mycetophila*, 272  
*laeta* WINNERTZ, *Phronia*, 281  
 laffooni PLASSMANN, *Anatella*, 303  
 laffooni LAŠTOVKA, *Mycetophila*, 272  
*lagna* SASAKAWA et KIMURA, *Boletina*, 245  
*laguncula* KIEFFER, *Forcipomyia*, 102  
*lailae* KHALAF, *Culicoides*, 61  
*lama* (RUBZOV), *Wilhelmia*, 156  
*lamachi* (DOBY et DAVID), *Rubzovia*, 135  
*lambi* (EDWARDS), *Mycomya*, 226  
*lamellata* LUNDSTRÖM, *Mycetophila*, 272  
*laminosa* OSTROVERKHOVA, *Docosia*, 255  
*laminosa* OSTROVERKHOVA, *Rymosia*, 323  
*lampropeza* REMM, *Monohelea*, 36  
*lanata* TAKAHASI, *Astega*, 127  
*landauae* KREMER, REBHOLTZ-HIRTZEL et BAILLY-  
 CHOU MARA, *Culicoides*, 59  
*landrocki* EDWARDS, *Boletina*, 245  
*landrocki* (LUNDSTRÖM), *Exechiopsis*, 318  
*langeroni* KIEFFER, *Culicoides*, 59  
*lanio* (LINNAEUS), *Culex*, 186  
*lapiae* CLASTRIER, *Ceratopogon*, 45  
*lapponica* (ENDERLEIN), *Astega*, 127  
*lapponica* LANDROCK, *Macrocera*, 217  
*lapponica* LUNDSTRÖM, *Mycetophila*, 272  
*largolamellata* LANDROCK, *Trichonta*, 292  
*laricis* REMM, *Ceratopogon*, 45  
*larvata* (MIK), *Androprosopa*, 187  
*lasaensis* LEE, *Culicoides*, 49  
*Lasiobezzia* KIEFFER, 25  
*Lasiohelea* KIEFFER, subg., 96  
*Lasiohelea* KIEFFER, 94  
*Lasiosoma* WINNERTZ, 238  
*lasoensis* REMM, *Atrichopogon*, 88  
*lata* (VON ROSER), *Neoplatyura*, 205  
*lataelamellata* STROBL, *Allodia*, 300  
*lateralis* (MEIGEN), *Exechia*, 312  
*lateralis* (BOUCHÉ), *Forcipomyia*, 105  
*lateralis* (SANTOS ABREU), *Fungivora*, 279  
*lateralis* (MEIGEN), *Stilobezzia*, 38  
*latibulorum* GUTSEVICH, *Leptoconops*, 113  
*laticax* (ENDERLEIN), *Cnetha*, 144  
*laticollis* GOETGHEBUER, *Palpomyia*, 24  
*laticornis* (MEIGEN), *Cerotelion*, 201  
*latifilis* (RUBZOV), *Cnetha*, 144  
*latifrons* (ENDERLEIN), *Prosimulium*, 121  
*latifrontis* SHAKIRZJANOVA, *Culicoides*, 59  
*latigonia* (RUBZOV), *Nevermannia*, 148  
*latiloba* (OSTROVERKHOVA), *Rymosia*, 323  
*latilobus* RUBZOV, *Simulium*, 182  
*latimanus* ENDERLEIN, *Simulium*, 184  
*latimentum* (RUBZOV), *Tetisimulium*, 174  
*latimucro* (ENDERLEIN), *Prosimulium*, 120  
*latinum* RUBZOV, *Eusimulium*, 151  
*latipalpis* CLASTRIER, *Bezzia*, 27  
*latipalpis* (KIEFFER), *Forcipomyia*, 102  
*latipennis* KIEFFER, *Culicoides*, 72  
*latipes* TOLLET, *Bolitophila*, 196  
*latipes* (MEIGEN), *Cnetha*, 144  
*latipygus* VAILLANT, *Atrichopogon*, 92  
*latitarsus* RUBZOV, *Simulium*, 182  
*latizonum* RUBZOV, *Eusimulium*, 151  
*latus* OSTROVERKHOVA, *Symmerus*, 199  
*laufferi* STROBL, *Mycetophila*, 275  
*laurae* (WEISS), *Leptoconops*, 113  
*ledicola* KIEFFER, *Serromyia*, 35  
*Leia* MEIGEN, 257  
*Leia*: WINNERTZ, 261  
 LEIINI, 254  
*leiodes* (WALKER), *Phronia*, 282

- Leiomya*, emend, 257  
*Leiomyia*, emend, 257  
*Leja*, emend., 257  
*Lejomya* RONDANI, 257  
*Lejosoma* RONDANI, 257  
 lenae RUBZOV, ssp., Byssodon, 134  
 lenae GLUSCHENKO et MIRSAJEVA, Culicoides, 60  
 lengersdorfi (TOLLET), Bolitophila, 194  
 lenis DZIEDZICKI, Anatella, 303  
 lenta JOHANNSEN, Mycetophila, 272  
 lenticulata (OSTROVERKHOVA), Mycomya, 226  
 lepida (WINNERTZ), Forcipomyia, 105  
 lepida WINNERTZ, Phronia, 285  
 Lepidohelea KIEFFER, subg., 108  
*Lepidohelea* KIEFFER, 94  
*lepidota* INGRAM et MACFIE, Forcipomyia, 108  
*Lepitomorphus* OKADA, 234  
 lepnevae (RUBZOV), Gomphostilbia, 136  
 leptocladus REMM, Dasyhelea, 82  
 LEPTOCONOPIDAE, 110  
 Leptoconops SKUSE, 111  
 Leptoconops SKUSE, subg., 111  
 leptogaster (WINNERTZ), Speolepta, 252  
 leptolepis KRIVOSHEINA et REMM, Forcipomyia, 105  
 Leptomorphus CURTIS, 234  
 Leptomorphus CURTIS, subg., 234  
 leptura (MEIGEN), Exechiopsis, 320  
 leruthi (TOLLET), Bolitophila, 194  
 leruthi (TOLLET), Exechiopsis, 318  
 lesbica WAGNER, Thaumalea, 190  
 lesnei (SÉGUY), Metacnephia, 129  
 leucogaster (ZETTERSTEDT), Bezzia, 27  
 leucopeza (MEIGEN), Monohelea, 36  
 leucoptera (MEIGEN), Ceratopogon, 109  
 leucosticta KIEFFER, Bezzia, 31  
 leucostictus KIEFFER, Culicoides, 68  
 leucothrix REMM, Nilobezzia, 15  
 levis (DZIEDZICKI), Mycomya, 226  
 Levitinia CHUBAREVA et PETROVA, 116  
 libanica EDWARDS, Thaumalea, 190  
 lignicola KIEFFER, Dasyhelea, 77  
 ligulata (LUNDSTRÖM), Exechiopsis, 318  
 lilotensis RUBZOV, Cnetha, 144  
 limbata LUNDSTRÖM, Mycetophila, 272  
 limbata (WINNERTZ), Mycomya, 226  
 [limbata BRUNETTI, Orfelia, 206]  
 limbatella ZETTERSTEDT, Sciophila, 219 ≤ limbatifemur ENDERLEIN, Platurocypta, 288]  
 limosa CLASTRIER, Alluaudomyia, 41  
 lindneri RUBZOV, Gymnopsis, 115  
 lindneri ENDERLEIN, Simulium, 178  
 lindrothi (PLASSMANN), Mycomya, 226  
 lineata (MEIGEN), Palpomyia, 20  
 lineata (MEIGEN), Wilhelmia, 156  
 lineatus (FABRICIUS), Cerotelion, 201  
 lineola MEIGEN, Mycetophila, 279  
 lineola (MEIGEN), Neoempheria, 231  
 liriense RIVOSECCHI, Simulium, 182  
 lisbonnei HARANT et GALAN, Leptoconops, 112  
 lithotelmatica STRENZKE, Dasyhelea, 77  
 litorale BARANOV, Simulium, 180  
 litoralis SANTOS ABREU, Forcipomyia, 105  
 litoraurae (INGRAM et MACFIE), Forcipomyia, 98  
 litoreus AMOSSOVA, Culicoides, 68  
 litshkense (RUBZOV), Montisimulium, 138  
 littoralis GOETGHEBUER, Dasyhelea, 74  
 litus ARNAUD, Culicoides, 63  
 livida (DZIEDZICKI), Mycomya, 226  
 livida: MEIGEN, Odagmia, 171  
 llatifeidae DZHAFAROV, Alluaudomyia, 41  
 llatifeidae REMM, Alluaudomyia, 41  
 lobashovi RUBZOV, Sulcinephila, 131  
 lobata BUKOWSKI, Trichonta, 293  
 longa REMM, Palpomyia, 20  
 longaelamellata STROBL, Phronia, 285  
 longelamellata LUNDSTRÖM, Mycetophila, 273  
 longibrachiata LANDROCK, Macrocera, 215  
 longicalcar REMM, Atrichopogon, 89  
 longicauda LUNDSTRÖM, Boletina, 246  
 longicauda (VAILLANT), Orphnephilina, 187  
 longicaulis RUBZOV, ssp., Odagmia, 164  
 longicollis GLUKHOVA, Culicoides, 70  
 longicornae SASAKAWA et KIMURA, Dynatosoma, 263  
 longicornis (WALKER), Allodia, 297  
 longicornis (TOKUNAGA), Forcipomyia, 96  
 longicornis KIEFFER, Palpomyia, 18  
 longicornis (OKADA), Tetragoneura, 262  
 longicoxa RUBZOV, ssp., Stegopterna, 126  
 longifiliatum RUBZOV, Montisimulium, 138  
 longiforceps (KIEFFER), Mallochohelea, 13  
 longimaculata TOKUNAGA, Forcipomyia, 107  
 longinervis KIEFFER, Atrichopogon, 87  
 longipalpe BELTUKOVA, Simulium, 182  
 longipalpis (KIEFFER), Ceratopogon, 45  
 longipalpis KIEFFER, Dasyhelea, 75  
 longipalpis (KIEFFER), Leptoconops, 111  
 longipennis KHALAF, Culicoides, 60  
 [longipennis WIRTH, Helea, 46]  
 longipennis KIEFFER, Palpomyia, 18  
 longipes WINNERTZ, Acnemia, 232  
 longipes (RUBZOV), Nevermannia, 149  
 longipes WINNERTZ, Phronia, 283  
 longipilis (RUBZOV), Cnetha, 145  
 longiradialis TOKUNAGA, Forcipomyia, 101



- longirostris SIEBKE, Gnoriste, 250  
 longiserra (KIEFFER), Atrichopogon, 89  
 longiseta BARENDRECHT, Leia, 259  
 longiseta OSTROVERKHOVA, Mycetophila, 272  
 longisetosa DZIEDZICKI, Anatella, 303  
 longisetosa KRIVOSHEINA et REMM, Forcipomyia, 102  
 longitarse RUBZOV et VIOLOVITSH, Eusimulium, 151  
 longitarsis (MAYER), Ceratopogon, 43  
 longituba (KIEFFER), Dasyhelea, 85  
 lubomirski DZIEDZICKI, Mycetophila, 272  
 lucida REMM, Dasyhelea, 74  
 lucida (BECKER), Greenomyia, 257  
 lucidithorax (BUKOWSKI), Mycetophila, 272  
 lucidula (ZETTERSTEDT), Exechia, 312  
 lucidum RUBZOV, ssp., Gnus, 162  
 lucidus GUTSEVICH, Leptoconops, 112  
 lucorum (MEIGEN), Atrichopogon, 86  
 lucorum (WINNERTZ), Mycomya, 222  
 lucosa GRZEGORZEK, Platyura, 209  
 luctuosa MEIGEN, Mycetophila, 272  
 luganicum RUBZOV, Prosimulium, 120  
 luganicus SHEVCHENKO, Culicoides, 60  
 lugens (WIEDEMANN), Allodia, 297  
 lugubris (ZETTERSTEDT), Forcipomyia, 106  
 lugubris (WINNERTZ), Mycomya, 226  
 lugubris ZETTERSTEDT, Platyura, 209  
 lunata (FABRICIUS), Mycetophila, 276  
 lunata MEIGEN, Mycetophila, 272  
 lundbecki LUNDSTRÖM, Boletina, 245  
 lundbecki: authors, 246  
 lundstroemi EDWARDS, Allodia, 297  
 lundstroemi LANDROCK, Exechia, 312  
 lundstroemi REMM, Palpomyia, 20  
 lundstroemi DZIEDZICKI, Rymosia, 323  
 lundstromi LANDROCK, Boletina, 245  
 lundstromi EDWARDS, Monocentrotia, 204  
 lundstromi (ENDERLEIN), Nevermannia, 149  
 lunulata VON ROSER, Leia, 260  
 lunulata MACQUART, Mycetophila, 267  
 lupicaris DOWNES et KETTLE, Culicoides, 49  
 luppovae (RUBZOV), Cnetha, 144  
 lurida MEIGEN, Mycetophila, 279  
 lutacea EDWARDS, Stilobezzia, 39  
 lutea REMM, Dasyhelea, 79  
 lutea MEIGEN, Macrocera, 215  
 lutea MEIGEN, Mycetophila, 326  
 lutea MACQUART, Sciophila, 239  
 luteicauda EDWARDS, Mycetophila, 269  
 luteicollis (BECKER), Atrichopogon, 92  
 luteicornis (STEPHENS), Odagmia, 171  
 luteifemorata EDWARDS, Palpomyia, 21  
 luteipalpis (SANTOS ABREU), Dasyhelea, 77  
 luteitarsis (MEIGEN), Neurohelea, 34  
 luteiventris GOETGHEBUER, Dasyhelea, 79  
 luteiventris LUNDSTRÖM, Mycetophila, 266  
 luteiventris SANTOS ABREU, Palpomyia, 21  
 luteocincta KIEFFER, Dasyhelea, 77  
 luteola WALKER, Bolitophila, 196  
 luteoscutellata (SANTOS ABREU), Dasyhelea, 82  
 luteosignatus VIMMER, Culicoides, 71  
 lutescens (ZETTERSTEDT), Dynatosoma, 264  
 lutescens HACKMAN, Phronia, 285  
 lutescens: authors, 274  
 luteum (LANDROCK), Brevicornu, 307  
 lycogalae (PERRIS), Platurocypta, 288  
 Lygistorrhina SKUSE, 220  
 LYGISTORRHINIDAE, 220  
 lyra (LUNDSTRÖM), Astega, 127  
 lyrata (RUBZOV), Metacnephia, 129  
 lyrica GAGNÉ, Trichonta, 293
- macedonia SCHMID, Thaumalea, 190  
 macfieii CLASTRIER, Leptoconops, 113  
 machardyii CAMPBELL et PELHAM-CLINTON, Culicoides, 68  
 macquarti STANNIUS, Mycetophila, 326  
 macracantha CLASTRIER, Palpomyia, 21  
 Macrobrachius DZIEDZICKI, 265  
 Macrocera MEIGEN, 212  
 macrocera (EDWARDS), Urytalpa, 208  
 MACROCERIDAE, 212  
 macrochaeta BUKOWSKI, Brachypeza, 305  
 Macronevra MACQUART, 211  
 macronyx GOETGHEBUER, Serromyia, 35  
 Macropeza MEIGEN, 12  
 macroptera WINNERTZ, Ditomyia, 198  
 macropygum (LUNDSTRÖM), Prosimulium, 121  
 Macrotrrhyncha WINNERTZ, 203  
 macrura (WINNERTZ), Allodiopsis, 301  
 macrura SHINJI, Dziedzickia, 250  
 macrura STROBL, Exechia, 313  
 maculata HOLMGREN, Boletina, 245  
 maculata (SHINJI), Fungivora, 279  
 maculata MEIGEN, Macrocera, 215  
 maculata MACQUART, Mycetophila, 279  
 maculata (MEIGEN), Mycomya, 226  
 maculata DZIEDZICKI, Phronia, 285  
 maculatus (LUNDSTRÖM), Atrichopogon, 89  
 maculatus (MEIGEN), Byssodon, 134  
 maculatus (SHIRAKI), Culicoides, 51  
 maculatus ZILAHİ-SEBESS, Culicoides, 72  
 maculipennis MAYER, Bolitophila, 195  
 maculipennis WALKER, Bolitophila, 196  
 maculipennis (STANNIUS), Exechia, 313

- maculipennis* TOKUNAGA, Forcipomyia, 106  
*maculipennis* MACQUART, Macrocera, 216  
*maculipennis* WINNERTZ, Mycetophila, 271  
*maculipes* (MEIGEN), Clinohoelea, 34  
*maculipes* (MATSUMURA), Dynatosoma, 264  
*maculitibia* RUBZOV, ssp., Odagmia, 164  
*maculosa* (MEIGEN), Allodiopsis, 302  
*maculosa* (STROBL), Leia, 259  
*maculosa* MATSUMURA, Macrocera, 215  
*maderensis* CARLSSON, Odagmia, 167  
*maderensis* STORÅ, Rymosia, 323  
*magadensis* RUBZOV, Twinnia, 115  
*magna* LANDROCK, Macrocera, 215  
*magna* LUNDSTRÖM, Macrocera, 215  
*magnicauda* (LUNDSTRÖM), Exechiopsis, 318  
*magnicauda* STROBL, Mycetophila, 273  
*magniforceps* (KIEFFER), Ceratopogon, 43  
*magnipalpis* CLASTRIER, Ceratopogon, 45  
*magnipunctata* TOKUNAGA, Forcipomyia, 106  
*magnispinosa* CLASTRIER, Palpomyia, 21  
*maiensis* REMM, Mallochohelea, 14  
*maiensis* REMM, Stilobezzia, 38  
*majalis* RUBZOV et CARLSSON, ssp., Stegopterna, 126  
*major* (STROBL), Ceratopogon, 85  
*major* STROBL, Mycetophila, 275  
*major* LANDROCK, Polylepta, 237  
*major* BEZZI, Thaumalea, 190  
*major*: incorrect spelling, 264  
*majus* LANDROCK, Dynatosoma, 264  
*majusculus* REMM, Atrichopogon, 89  
*makumbei* ONO, ssp., Boophthora, 159  
*malevillei* KREMER et COLUZZI, Culicoides, 60  
*malickyi* THEISCHINGER, Thaumalea, 190  
*malleolus* REMM, Dasyhelea, 77  
*Mallochella* ENDERLEIN, 118  
*Mallochianella* VARGAS et DIAZ NAJERA, 118  
*Mallochohelea* WIRTH, 13  
*malmundariensis* TOLLET, Antlemon, 200  
*malyschevi* (DOROGOSTAJSKY, RUBZOV et VLASENKO), Gnus, 162  
*manassi* REMM, Dasyhelea, 75  
*manchuriensis* TOKUNAGA, Culicoides, 68  
*manchuriensis* TOKUNAGA, Forcipomyia, 106  
*Manota* WILLISTON, 218  
**MANOTIDAE**, 218  
*marletti* CALLOT, KREMER et BASSET, Culicoides, 60  
*margaritae* RUBZOV, Obuchovia, 160  
*marginata* (DZIEDZICKI), Dziedzickia, 250  
*marginata* WINNERTZ, Mycetophila, 273  
*marginata* (DZIEDZICKI), Mycomya, 229  
*marginata* (MEIGEN), Mycomya, 226  
*marginata* (BRUNETTI), Orfelia, 206  
*marginata* DZIEDZICKI, Phronia, 288  
*marginata* MEIGEN, Platyura, 207  
*marginata* (MEIGEN), Wilhelmia, 155  
*marginatafasciata* STROBL, Mycetophila, 279  
*marginipilus* TOKUNAGA, Atrichopogon, 92  
*marikovskii* PLOTNIKOVA, Exechia, 312  
*maritima* OSTROVERKHOVA, Anatella, 303  
*maritima* TOKUNAGA, Dasyhelea, 77  
*maritima* OSTROVERKHOVA, Exechiopsis, 318  
*maritima* BECKER, Platyura, 209  
*maritimum* RUBZOV, Eusimulium, 151  
*maritimus* TOKUNAGA, Atrichopogon, 94  
*maritimus* KIEFFER, Culicoides, 60  
*markeviishi* SHEVCHENKO, Culicoides, 65  
*marklini* ZETTERSTEDT, Leia, 259  
*marmorata* (CARTER, INGRAM et MACFIE), Alluaudomyia, 41  
*marrucina* (RIVOSECCHI), Nevermannia, 147  
*marsicana* (RIVOSECCHI), Cnetha, 145  
*martinovskiy* JOOST, Thaumalea, 190  
*maruashvili* MATSCHAVARIANI, Prosimulium, 121  
*matilei* (PLASSMANN), Allodiopsis, 300  
*matilei* HACKMAN, Phronia, 285  
*matilei* BURGHELE-BALACESCO, Rymosia, 323  
*matilei* CASPERS, Zygomyia, 296  
*matsumurai* LAŠTOVKA, Mycetophila, 273  
*matsutakei* (SASAKI), Tetragoneura, 262  
*matsuzawai* TOKUNAGA, Culicoides, 48  
*matthiesseni* ENDERLEIN, Schoenbaueria, 153  
*maura* (WALKER), Mycomya, 226  
*maxima* KNOZ, Odagmia, 167  
*mayeri* GOETGHEBUER, Culicoides, 72  
*mayeri* SPATARU et DAMIAN-GEORGESCU, Dasyhelea, 74  
*mazedonica* BARANOV, ssp., Nevermannia, 148  
*media* KIEFFER, Bezzia, 25  
*mediastinalis* (LUNDSTRÖM), Trichonta, 293  
*mediterranea* (KIEFFER), Ceratopogon, 109  
*mediterranea* (PURI), Wilhelmia, 157  
*mediterranea*: authors, 156  
*mediterraneus* (KIEFFER), Leptoconops, 113  
*Megalopelma* ENDERLEIN, 235  
*megalotheca* REMM, Atrichopogon, 92  
*Megophthalmidia* DZIEDZICKI, 260  
*megrichaense* (RUBZOV), ssp. Montisimulium, 138  
*mehelyi* (ENDERLEIN), Paragnus, 174  
*meigeni* (RUBZOV et CARLSSON), Cnetha, 145  
*meinerti* KIEFFER, Culicoides, 69  
*meinerti* KIEFFER, Forcipomyia, 102  
*melacheira* REMM, Palpomyia, 21  
*melaena* EDWARDS, Phronia, 283  
*melancholicus* (MEIGEN), Ceratopogon, 94

- melania (WINNERTZ), Mycomya, 226  
 melanobrachia (ENDERLEIN), ssp., Nevermannia, 149  
 melanoceras (WALKER), Apolepthisa, 242  
 melanoceras (EDWARDS), Mycomya, 226  
*melanoceros*, error, 226  
 melanochaeta OSTROVERKHOVA, Brachypeza, 305  
*melanochroita* STROBL, Mycetophila, 279  
 melanoflava CLASTRIER et WIRTH, Bezzia, 30  
*melanogaster* (ZETTERSTEDT), Sciophila, 230  
*melanogastra*, emend, 230  
 melanoptera OSTROVERKHOVA, Leia, 259  
*melanopyga* (ZETTERSTEDT), Trichonta, 293  
 melanostica (INGRAM et MACFIE), Alluaudomyia, 41  
 melanura (STAEGER), Trichonta, 293  
 Melochelea WIRTH, subg., 86  
*Melochelea* WIRTH, 85  
 meloesugans KIEFFER, Atrichopogon, 86  
*membranacea* (LUNDSTRÖM), Exerchiopsis, 320  
 membranacea EDWARDS, Sceptonia, 289  
 mendli PLASSMANN, Allodia, 298  
*meniscoidea* OSTROVERKHOVA, Phronia, 284  
 meniscoidea OSTROVERKHOVA, Rymosia, 323  
 meniscophalloides SASAKAWA et KIMURA, Boletina, 246  
 meridiana CLASTRIER, Alluaudomyia, 41  
*meridionalis* (RIVOSECCHI et LIPPARONI), Cnetha, 144  
 mesasiatica REMM, Forcipomyia, 100  
 mesasiatica (RUBZOV), Odagmia, 167  
 mesenevi (PATRUSHEVA), Ahaimophaga, 117  
 mesghalii NAVAII, Culicoides, 60  
*mesopotamiensis* PATTON, Culicoides, 63  
 mesopotamiensis (PATTON), Leptoconops, 112  
*mesostigma* REMM, Culicoides, 69  
*Messala* CURTIS, 193  
*messauensis* PLASSMANN, Ectrepesthoneura, 256  
 Metacnephia CROSSKEY, 128  
 metatarsalis (BRUNETTI), Gomphostilbia, 136  
*metatarsis* TOKUNAGA, Forcipomyia, 107  
*Meunieria* JOHANNSEN, 256  
 [mexicana ENDERLEIN, Hemicnetha, 154]  
 micans LAŠTOVKA et MATILE, Exechia, 313  
 micans KIEFFER, Palpomyia, 21  
 micomiconica SCHMID, Thaumalea, 190  
 microcera (KIEFFER), Forcipomyia, 98  
*microcera* KIEFFER, Palpomyia, 34  
*Microconops* KIEFFER, 111  
 Microhelea KIEFFER, 94  
 Microhelea KIEFFER, subg., 101  
*micromaculatus* VIMMER, Culicoides, 72  
*micromaculithorax* KHALAF, Culicoides, 53  
 micronyx KIEFFER, Serromyia, 35  
 midorensis ARNAUD, Culicoides, 60  
 mie (OGATA et SASA), Gomphostilbia, 136  
 mihalyii MATILE, Baeopterogyna, 234  
 mihalyii RUBZOV, ssp., Boophthora, 159  
 miharai KINOSHITA, Culicoides, 60  
*mihensis* ARNAUD, Culicoides, 60  
 mikado OKADA, Gnoriste, 250  
*mikado* OKADA, Zelmira, 210  
 miki (MAYER), Bolitophila, 194  
 miki GOETGHEBUER, Palpomyia, 17  
 miki EDWARDS, Thaumalea, 190  
 mikii KERTÉSZ, Monoclona, 235  
 mikii DZIEDZICKI, Mycetophila, 273  
*minima* ZILAHİ-SEBESS, Dasyhelea, 85  
 minima (TOKUNAGA), Forcipomyia, 98  
 minima (GIGLIO-TOS), Orfelio, 206  
*minimus* (KIEFFER), Brachypogon, 47  
*minor* TOKUNAGA, Culicoides, 49  
 minor (LUNDSTRÖM), Neuratelia, 236  
 minor LANDROCK, Rymosia, 322  
*minuscula* ZILAHİ-SEBESS, Dasyhelea, 85  
 minuta (STAEGER), Anatella, 303  
 minuta REMM, Bezzia, 30  
 minuta (RUBZOV), Cnetha, 145  
 minuta GOETGHEBUER, Forcipomyia, 109  
 minuta (TOKUNAGA), Lasihelea, 109  
 minuta OSTROVERKHOVA, Mycetophila, 273  
 minuta LANDROCK, Phronia, 285  
 minuta WAGNER, Thaumalea, 190  
 minutissima OSTROVERKHOVA, Anatella, 303  
*minutissima*: RUBZOV, Cneta, 143  
*minutissima* REMM, Forcipomyia, 98  
 minutissimum (ZETTERSTEDT), Simulium, 182  
 minutissimus (ZETTERSTEDT), Culicoides, 60  
 minutistyla TOKUNAGA, Bezzia, 28  
 minustyli RUBZOV, ssp., Odagmia, 164  
*minutum* SHIRAKI, Simulium, 185  
 minutus (MEIGEN), Atrichopogon, 89  
 minutus GUTSEVICH, Leptoconops, 112  
*Miodasia* ENDERLEIN, 140  
 mirabilis PLOTNIKOVA, Sciophila, 239  
*miricornis* (KIEFFER), Sphaeromyias, 15  
 miripalpis KIEFFER, Atrichopogon, 89  
 mirzaevi GLUKHOVA et KHABIROV, Culicoides, 53  
 mitis (JOHANNSEN), Mycetophila, 273  
 mituda VÄISÄNEN, Mycomya, 226  
 mixta OSTROVERKHOVA, Boletina, 246  
 mixta EDWARDS, Thaumalea, 190  
 moascari MACFIE, Dasyhelea, 75  
 moascari MACFIE, Forcipomyia, 97  
 modesta LACKSCHEWITZ, Bolitophila, 196  
 modesta (WINNERTZ), Dasyhelea, 75

- modesta* (DUFOUR), Exechia, 314  
*modesta* WINNERTZ, Mycetophila, 272  
*modesta* (WINNERTZ), Neoplatyura, 205  
*mohilivensis* DZIEDZICKI, Mycetophila, 273  
*moiwana* (MATSUMURA), Pachyneura, 193  
*monacantha* KIEFFER, Bezzia, 30  
*mongolensis* YAO, Culicoides, 60  
*mongolica* REMM, Bezzia, 31  
*mongolica* LAŠTOVKA et MATILE, Docosia, 255  
*mongolica* LAŠTOVKA et MATILE, Greenomyia, 257  
*mongolicum* RUBZOV, Gnus, 162  
*monilicornis* KIEFFER, Dasyhelea, 85  
*monilicornis* (COQUILLETT), Forcipomyia, 98  
*monilis* GOETGHEBUER, Forcipomyia, 99  
*Manocentrotta* EDWARDS, 204  
*Monoclona* MIK, 235  
*Monoculicoides* KHALAF, subg., 70  
*Monoculicoides* KHALAF, 48  
*Monohelea* KIEFFER, 36  
*Monohelea* KIEFFER, subg., 37  
*monostigma* MEIGEN, Mycetophila, 279  
*montana* ZILAHİ-SEBESS, Dasyhelea, 76  
*montana* LANDROCK, Mycetophila, 273  
*montana* (ENDERLEIN), Odagmia, 163  
*montana* TOKUNAGA, Palpomyia, 21  
*montana* PLASSMANN, Paratinia, 236  
*montanus* TOKUNAGA, Ceratopogon, 45  
*montanus* SHAKIRZJANOVA, Culicoides, 52  
*montanus* KONURBAJEV, Leptoconops, 113  
*monticola* (TOKUNAGA), Lasiohelea, 109  
*monticola* LANDROCK, Macrocera, 214  
*monticola* (FRIEDERICH), Odagmia, 167  
*monticola*, TOKUNAGA, Palpomyia, 21  
*monticola* TOKUNAGA, Stilobezzia, 39  
*monticoloides* RUBZOV, Odagmia, 167  
*monticolonia* TOKUNAGA, Forcipomyia, 106  
*monticolus* TOKUNAGA, Ceratopogon, 45  
*Montisimulium* RUBZOV, 137  
*montium* STORÅ, Atrichopogon, 92  
*montium* (RUBZOV), Montisimulium, 138  
*montivagus* KIEFFER, Atrichopogon, 90  
*montshadskii* (RUBZOV), Nevermannia, 149  
*montschadskyi* (DZHAFAROV), Forcipomyia, 97  
*moravia* LANDROCK, Boletina, 246  
*moravia* LANDROCK, Docosia, 255  
*moravica* LANDROCK, Mycetophila, 273  
*morenae* (STROBL), Palpomyia, 21  
*morio* (GRZEGORZEK), Isoneuromyia, 202  
*morio* (FABRICIUS), Serromyia, 35  
*morionella* MIK, Docosia, 255  
*morisitai* TOKUNAGA, Culicoides, 60  
*morisonoii* (TAKAOKA), Cnetha, 145  
*Morops* ENDERLEIN, 137  
*morosa* WINNERTZ, Mycetophila, 273  
*morosa* WINNERTZ, Syntemna, 241  
*morsitans* EDWARDS, Simulium, 182  
*morvani* CLASTRIER, Bezzia, 31  
*mosulensis* KHALAF, Culicoides, 64  
*muganicus* DZHAFAROV, Leptoconops, 111  
*mulleri* (KIEFFER), Atrichopogon, 92  
*multiannulata* (STROBL), Bezzia, 27  
*multicaulis* (POPOV), Haimophaga, 118  
*multicincta* CURTIS, Macrocera, 216  
*multifila* (RUBZOV), Metacnephia, 129  
*multigena* OSTROVERKHOVA, Trichonta, 293  
*multiloba* OSTROVERKHOVA, Exechiopsis, 318  
*multispinosa* CLASTRIER, Bezzia, 27  
*multistriatum* RUBZOV, Simulium, 179  
*munda* (LOEW), Mallochohelea, 13  
*munda* (WINNERTZ), Mycomya, 226  
*muradovi* REMM, Dasyhelea, 82  
*murina* WINNERTZ, Cordyla, 310  
*murina* (WINNERTZ), Forcipomyia, 97  
*murina* KIEFFER, Palpomyia, 20  
*murinoides* REMM, Forcipomyia, 99  
*murmanum* ENDERLEIN, Simulium, 184  
*murvanidzei* (RUBZOV), Cnetha, 145  
*musajevi* DZHAFAROV, Culicoides, 69  
*musciicola* KIEFFER, Culicoides, 72  
*musilator* KREMER et CALLOT, Culicoides, 54  
*mutabilis* DZIEDZICKI, Phronia, 285  
*mutata* (MALLOCH), Stegopterna, 125  
*mutila* LUNDSTRÖM, Phronia, 285  
*Mycetina* RONDANI, 266  
*Mycetobia* MEIGEN, 219  
**MYCETOBIIDAE**, 218  
*Mycetoica* RONDANI, 219  
*Mycetophila* MEIGEN, 266  
**MYCETOPHILIDAE**, 220  
**MYCETOPHILINAE**, 263  
**MYCETOPHILINI**, 263  
*mycetophiloides* (WALKER), Urytalpa, 209  
*Mycomya* RONDANI, 221  
*Mycomya* EDWARDS, 221  
*Mycomya*: authors, 230  
**MYCOMYINI**, 221  
*Mycothera* WINNERTZ, 266  
*Mycozetaea* RONDANI, 266  
*Myceterotypus* NOÉ, 111  
*mynistensis* REMM, Alluaudomyia, 41  
*myrmecophila* (EGGER), Forcipomyia, 106  
*Myrosia* TUOMIKOSKI, subg., 302  
*Myrosia* TUOMIKOSKI, 300  
*mystacinus* VIMMER, Culicoides, 72

- nachitschevanicus DZHAFAROV, Leptoconops, 113
- nacojapi (SMART), Gnus, 162
- nadayanus KIEFFER, Culicoides, 67
- nagahanai TOKUNAGA, Culicoides, 60
- nagarzensis LEE, Culicoides, 61
- nairica TERTERJAN, Greniera, 126
- nana (STAEGER), Exechia, 313
- nana MACQUART, Macrocera, 215
- nana ZETTERSTEDT, Macrocera, 217
- nana MACQUART, Mycetophila, 279
- nana (MACQUART), Orfelia, 206
- nana ZILAHİ-SEBESS, Palpomyia, 21
- Nannohelea GROGAN et WIRTH, 46
- namulus KIEFFER, Culicoides, 72
- nanum ZETTERSTEDT, Simulium, 182
- nanus REMM, Atrichopogon, 93
- naratakevora (OKADA), Mycetophila, 273
- narynica REMM, Bezzia, 31
- nasale (GISTL), Psilozia, 158
- nasuta (HALIDAY), Boletina, 246
- natans KIEFFER, Atrichopogon, 89
- naturalis (DAVIES), Cnetha, 145
- nava (PLASSMANN), Mycomyia, 230
- navasi (SÉGUY), Macropeza, 12
- nebulosa EDWARDS, Mycetophila, 269
- nebulosa STANNIUS, Mycetophila, 279
- [nebulosus WALKER, Leptomorphus, 234]
- neglecta EDWARDS, Allodia, 299
- neglectus WINNERTZ, Ceratopogon, 110
- nemestrinus (SANTOS ABREU), Atrichopogon, 92
- memoralis (MEIGEN), Neuratelia, 236
- memoralis (MEIGEN), Orfelia, 206
- memoralis (EDWARDS), Tarnania, 325
- memorivaga GOETGHEBUER, Palpomyia, 18
- memorosus MEIGEN, Ceratopogon, 110
- Neoclastrobasis OSTROVERKHOVA, 261
- Neopicypta COHER, 288
- Neoforepomyia TOKUNAGA, 94
- Neoglaphyoptera OSTEN SACKEN, 257
- [neomacropygum PETERSON, Prosimulium, 121]
- Neoempheria OSTEN SACKEN, 230
- Neoneurotelia SHINJI, 241
- Neoparastemma SANTOS ABREU, 260
- Neoparatinia SHINJI, 241
- Neoplatyura MALLOCH, 204
- Neosimulium VARGAS, MARTINEZ PALACIOS et DIAZ NAJERA, 158
- Neostilobezzia GOETGHEBUER, subg., 38
- Neostilobezzia GOETGHEBUER, 37
- [nepalensis (LEWIS), Gomphostilbia, 136]
- Neuratelia RONDANI, 236
- Neurohelea KIEFFER, 34
- Neurotelia, authors, emend, 236
- Nevermannia ENDERLEIN, 147
- newsteadi AUSTEN, Culicoides, 49
- nieves (HAVELKA), Brachypogon, 47
- niger (MAYER), Brachypogon, 47
- niger DZHAFAROV, Culicoides, 61
- nigerrima STROBL, Platyura, 210
- nigra STROBL, Acnemia, 232
- nigra (ZETTERSTEDT), Boletina, 243
- nigra (STROBL), Cordyla, 309
- nigra ZILAHİ-SEBESS, Dasyhelea, 82
- nigra LANDROCK, Docosia, 255
- nigra EDWARDS, Exechia, 313
- nigra (WINNERTZ), Forcipomyia, 106
- nigra (RUBZOV), Metacnephia, 129
- nigra (LOEW), Orphnephila, 187
- nigra (MEIGEN), Sceptonia, 289
- nigra (MEIGEN), Schoenbaueria, 153
- nigra (LANDROCK), Sciophila, 239
- nigrans REMM, Forcipomyia, 106
- nigricans DZIEDZICKI, Boletina, 246
- nigricauda (STROBL), Neoplatyura, 205
- nigricauda LUNDSTRÖM, Trichonta, 295
- nigriceps (LUNDSTRÖM), Eudicrana, 234
- nigriceps (LOEW), Mycomyia, 226
- nigriceps (WALKER), Urytalpa, 209
- nigricincta STANNIUS, Mycetophila, 280
- nigriclava STROBL, Anatella, 303
- nigricollis (ZETTERSTEDT), Allodia, 297
- nigricornis: DZIEDZICKI, Mycomyia, 227
- nigricornis: LUNDSTRÖM, Mycomyia, 226
- nigricornis EDWARDS, Neuratelia, 236
- nigricornis (FABRICIUS), Orfelia, 206
- nigricornis (ZETTERSTEDT), Phronia, 285
- nigricornis (ZETTERSTEDT), Sciophila, 230
- nigricoxa STROBL, Azana, 233
- nigricoxa STAEGER, Boletina, 246
- nigricoxa STROBL, Docosia, 255
- [nigricoxa BRUNETTI, Greenomyia, 257]
- nigricoxa WINNERTZ, Macrocera, 216
- nigricoxa STROBL, Mycetophila, 278
- nigricoxa (OKADA), Platyura, 207
- nigricoxum (ZETTERSTEDT), Dynatosoma, 264
- nigridorsum KIEFFER, Palpomyia, 21
- nigrifemur (LANDROCK), Cordyla, 309
- nigrifemur STROBL, Docosia, 255
- nigrimanus (KIEFFER), Forcipomyia, 104
- nigrina BARANOV, ssp., Odagmia, 165
- nigrina CLASTRIER, Palpomyia, 21
- nigripalpis GOETGHEBUER, Palpomyia, 21
- nigripalpis LUNDSTRÖM, Phronia, 285
- nigripectus KIEFFER, Palpomyia, 21
- nigripennis (STROBL), Coelophthinia, 248

- nigripennis* SHINJI, *Neoneurotelia*, 241  
*nigriperna* ENDERLEIN, *Odagmia*, 167  
*nigripes* BUKOWSKI, *Boletina*, 246  
*nigripes* (SANTOS ABREU), *Eusimulium*, 151  
*nigripes* DZHAFAROV, *Leptoconops*, 112  
*nigripes* (MEIGEN), *Palpomyia*, 21  
*nigripes* ENDERLEIN, *Prosimulium*, 122  
*nigrita* CLASTRIER, *Bezzia*, 33  
*nigrita* GOETGHEBUER, *Monohalea*, 73  
*nigritarsalis* REMM, *Palpomyia*, 22  
*nigritella* CLASTRIER, *Palpomyia*, 24  
*nigritula* (ZETTERSTEDT), *Bezzia*, 31  
*nigritula* EDWARDS, *Trichonta*, 295  
*nigritula* (WALKER), *Zygomyia*, 295  
*nigritum* RUBZOV, ssp. *Prosimulium*, 121  
*nigriventris* KIEFFER, *Atrichopogon*, 91  
*nigriventris* (ZETTERSTEDT), *Orfelia*, 206  
*nigrobasis* (DZIEDZICKI), *Epicypa*, 265  
*nigroclavatus* (STROBL), *Megalopelma*, 235  
*nigroflava* REMM, *Bezzia*, 31  
*nigrofusca* DZIEDZICKI, *Boletina*, 246  
*nigrofusca* LUNDSTRÖM, *Exechia*, 313  
*nigrofusca* DZIEDZICKI, *Mycetophila*, 274  
*nigrofuscipes* (RUBZOV), *Eusimulium*, 151  
*nigrofuscum* (LUNDSTRÖM), *Brevicornu*, 307  
*nigrofuscus* REMM, *Atrichopogon*, 89  
*nigrolineata* LANDROCK, *Bolitophila*, 196  
*nigronitida* LANDROCK, *Sciophila*, 239  
*nigromaculatum* LUNDSTRÖM, *Dynatosoma*, 264  
*nigropicea* LUNDSTRÖM, *Macrocera*, 216  
*nigroscutellata* LANDROCK, *Exechia*, 313  
*nigrosignatus* KIEFFER, *Culicoides*, 72  
*nigrostriata* STROBL, *Rymosia*, 324  
*nigrotibialis* GOETGHEBUER, *Palpomyia*, 20  
*nigrotibialis* REMM, *Palpomyia*, 22  
*nigrum* LATREILLE, *Asindulum*, 201  
*nigrus* TOKUNAGA, *Culicoides*, 72  
*niigatensis* TAKAHASHI, *Culicoides*, 67  
*nikkoense* SHIRAKI, *Simulium*, 182  
*nikolici* BARANOV, ssp., *Odagmia*, 169  
 [nilgirica (PURI), *Odagmia*, 167]  
*nilicola* KIEFFER, *Apelma*, 110  
*Nilobezzia* KIEFFER, 14  
*Nilobezzia* KIEFFER, subg., 14  
*nilogenes* (KIEFFER), *Alluaudomyia*, 41  
*nilotes* KIEFFER, *Culicoides*, 59  
*nilotheres* MACFIE, *Forcipomyia*, 101  
*nilotica* KIEFFER, *Parrotia*, 34  
*nipponense* SHIRAKI, *Simulium*, 177  
*nipponensis* TOKUNAGA, *Culicoides*, 50  
*nipponensis* TOKUNAGA, *Leptoconops*, 112  
*nipponensis* (TOKUNAGA), *Nilobezzia*, 15  
*nipponica* (TOKUNAGA), *Forcipomyia*, 96  
*nipponica* TOKUNAGA, *Palpomyia*, 24  
*nipponicus* (OKADA), *Keroplatus*, 203  
*Nipponosimulium* SHOGAKI, 135  
*nishijimai* ONO, *Odagmia*, 167  
*nitens* KIEFFER, *Atrichopogon*, 90  
*nitens* WINNERTZ, *Cordyla*, 310  
*nitens* (KIEFFER), *Forcipomyia*, 96  
*nitens* (SANTOS ABREU), *Helea*, 94  
*nitens* GOETGHEBUER, *Serromyia*, 36  
*nitida* GRZEGORZEK, *Boletina*, 246  
*nitida* (MACQUART), *Mallochohelea*, 13  
*nitida* (DZIEDZICKI), *Mycomya*, 222  
*nitida* (ZETTERSTEDT), *Mycomya*, 227  
*nitida* (MEIGEN), *Sceptonia*, 289  
*nitida* (STANNIUS), *Zygomyia*, 295  
*nitidicollis* (MEIGEN), *Acnemia*, 232  
*nitidicollis* LUNDSTRÖM, *Exechia*, 313  
*nitidifrons* (EDWARDS), *Odagmia*, 167  
 [nitidithorax PURI, *Simulium*, 176]  
*nitidiventris* (GOETGHEBUER), *Bezzia*, 28  
*nitidiventris* (VAN DER WULP), *Phronia*, 285  
*nitidula* EDWARDS, *Cordyla*, 310  
*nitidula* EDWARDS, *Syntemna*, 241  
*nitidulus* (EDWARDS), *Ceratopogon*, 45  
*niveipennis* MEIGEN, *Ceratopogon*, 43  
*nobile* LOEW, *Dynatosoma*, 264  
*nobiliformis* CLASTRIER, *Bezzia*, 31  
*nobilis* (WINNERTZ), *Bezzia*, 31  
*nobilis* LACKSCHEWITZ, *Symmerus*, 199  
*noctivaga* (PLASSMANN), *Mycomya*, 227  
*noctuabunda* REMM, *Dasyhelea*, 83  
*nodosipes* (KIEFFER), *Bezzia*, 27  
*noei* CLASTRIER et COLUZZI, *Leptoconops*, 112  
*noelleri* FRIEDRICH, *Simulium*, 177  
*nonnisilva* HUTSON, *Sciophila*, 239  
*noshaquensis* TOKUNAGA, *Culicoides*, 61  
*notabilis* MAMAEV, *Mycetobia*, 219  
*notabilis* (STAEGER), *Mycomya*, 227  
*notata* GOETGHEBUER, *Dasyhelea*, 75  
*notata* (ZETTERSTEDT), *Mycomya*, 227  
*notata* DZIEDZICKI, *Phronia*, 286  
*notata* (DE MEIJERE), *Stilobezzia*, 38  
*notata* (STANNIUS), *Zygomyia*, 296  
*Notolopha* TUOMIKOSKI, subg., 302  
*Notolopha* TUOMIKOSKI, 300  
*novaki* (KNOZ), *Gnus*, 161  
*novata* DZIEDZICKI, *Anatella*, 303  
*Nowakia* STROBL, 261  
*nubeculosus* (MEIGEN), *Culicoides*, 70  
*nubeculosus* (TOKUNAGA), *Sphaeromyia*, 16  
*nuda* (BECKER), *Macropeza*, 12  
*nudipennis* KIEFFER, *Culicoides*, 61  
*nudipennis* KIEFFER, *Serromyia*, 36

- [nudipes VOCKEROTH, Baeopterogyna, 233]  
 nudisthmstheca DAS GUPTA et WIRTH, Stilobez-  
 zia, 38  
 nudocola (TOKUNAGA), Forcipomyia, 96  
 nudus ZILAHİ-SEBESS, Atrichopogon, 93  
 nukabirana ONO, Stegopterna, 125  
 nukabirensis WADA, Culicoides, 61  
 numidiana CLASTRIER, Bezzia, 31  
 nunomemoguri KITAOKA, Culicoides, 61  
 nuntius CAMBOURNAC, Culicoides, 72  
 nuragica RIVOSECCHI, RAASTAD et CONTINI,  
 Metacnephia, 129  
 [nyasae MACFIE, Bezzia, 25]  
 nyasae INGRAM et MACFIE, Dasyhelea, 77
- oberthueri* MATILE, Platyura, 210  
*obesa* GOETGHEBUER, Palpomyia, 20  
*obesa* WINNERTZ, Trichonta, 293  
*obikumbensis* RUBZOV, Phoretodagmia, 172  
*oblimata* ODINTSOV, Odagmia, 168  
*obreptans* (EDWARDS), Odagmia, 163  
*obscura* WINNERTZ, Brachypeza, 305  
*obscura* (WINNERTZ), Dasyhelea, 77  
*obscura* SANTOS ABREU, Forcipomyia, 107  
*obscura* WINNERTZ, Macrocera, 216  
*obscura* MAMAEV, Mycetobia, 219  
*obscura* DZIEDZICKI, Mycetophila, 268  
*obscura* DZIEDZICKI, Phronia, 286  
*obscura* (ZETTERSTEDT), Thaumalea, 191  
*obscura* STROBL, Trichonta, 293  
*obscurella* (ZETTERSTEDT), Boletina, 247  
*obscurella* CLASTRIER, Palpomyia, 22  
*obscurigastri* SANTOS ABREU, Macrocera, 215  
*obscurior* STACKELBERG, Bolitophila, 196  
*obscuripennis* SANTOS ABREU, Allodia, 300  
*obscuripennis* WINNERTZ, Cordyla, 310  
*obscuripennis* KIEFFER, Palpomyia, 24  
*obscuripes* SANTOS ABREU, Culicoides, 52  
*obscuripes* SANTOS ABREU, Phronia, 280  
*obscurum* (WINNERTZ), Brevicornu, 309  
*obscurus* (SANTOS ABREU), Ceratopogon, 43  
*obsoleta* ZETTERSTEDT, Mycetophila, 280  
*obsoleta* OSTROVERKHOVA, Phronia, 286  
*obsoletiformis* AMOSSOVA, Culicoides, 53  
*obsoletus* (MEIGEN), Culicoides, 52  
*obtusa* WINNERTZ, Phronia, 286  
*Obuchovia* RUBZOV, 159  
 [obumbrata LOEW, Eudicrana, 234]  
*occlusa* EDWARDS, Bolitophila, 196  
*occlusa* LOEW, Platyura, 210  
*occulans* LUNDSTRÖM, Mycetophila, 274  
*occultans* (WINNERTZ), Mycomya, 227  
*ocellaris* KIEFFER, Culicoides, 50  
*ocellata* REMM, Alluaudomyia, 41  
*ocellus* WALKER, Mycetophila, 274  
*Ochnephila*, error, 188  
*ochracea* (ZETTERSTEDT), Exechia, 314  
*ochracea* VIMMER, Forcipomyia, 106  
*ochracea* (SANTOS ABREU), Phronia, 286  
*ochracea* WALKER, Sciophila, 240  
*ochracea* (WINNERTZ), Stilobezzia, 39  
*ochracea* (MEIGEN), Urytalpa, 209  
*ochraceimaculatus* SHEVCHENKO, Culicoides, 69  
*ochraceipennis* SHEVCHENKO, Culicoides, 69  
*ochrescentipes* (ENDERLEIN), Obuchovia, 160  
*ocreastylum* (RUBZOV), Montisimulium, 139  
*octasema* KIEFFER, Palpomyia, 20  
*octodecimfiliata* (RUBZOV et VIOLOVITSH), Sul-  
 cicnephia, 131  
*octofiliatum* (RUBZOV), Montisimulium, 139  
*octomaculata* CURTIS, Leia, 258  
 [octosegmentata BRUNETTI, Xenoplatury, 208]  
*ocularis* (KIEFFER), Sphaeromias, 16  
*oculata* KRIVOSHEINA et MAMAEV, Pachyneura,  
 193  
*oculatus* (STROBL), Ceratopogon, 72  
*Odagmia* ENDERLEIN, 163  
*odagmiina* (ENDERLEIN), Odagmia, 168  
*odiatus* AUSTEN, Culicoides, 61  
*odibilis* AUSTEN, Culicoides, 57  
*odontostylum* RUBZOV, Montisimulium, 139  
*Oecacta* POEY, subg., 54  
*Oecacta* POEY, 48  
*oedemerarum* STORÅ, Atrichopogon, 86  
*ogatai* (RUBZOV), Gomphostilbia, 136  
*ohmorii* TAKAHASHI, Culicoides, 48  
*oitana* SHIRAKI, Odagmia, 168  
*okadai* (TOKUNAGA), Forcipomyia, 95  
*okinawensis* (TAKAOKA), Gomphostilbia, 136  
*okumensis* ARNAUD, Culicoides, 51  
*oldenbergi* GOETGHEBUER, Palpomyia, 24  
*oligoaristatum* RUBZOV, Prosimulium, 121  
*oligoneura* STANNIUS, Mycetophila, 280  
*oligotuberculata* (KNOZ), Cnetha, 145  
*olivacea* REMM, Dasyhelea, 76  
*olonicum* (USSOVA), Boreosimulium, 133  
*oltenica* (BURGHELE-BALACESCO), Exechiopsis,  
 318  
*omogensis* ARNAUD, Culicoides, 61  
*omutaensis* (OGATA et SASA), Gomphostilbia, 136  
*onoi* TOKUNAGA, Culicoides, 61  
*onusta* REMM, Forcipomyia, 107  
*opaca* DZIEDZICKI, Phronia, 286  
*opalinipennis* (ENDERLEIN), Cnetha, 145  
*Opisthobola* MIK, 266  
*opriva* (DZIEDZICKI), Pseudorymosia, 322

- orbicularis KIEFFER, *Atrichopogon*, 86  
 orbiculata OSTROVERKHOVA et IZOTOV, *Anatella*, 304  
 oreinus REMM, *Ceratopogon*, 45  
 oreocincta REMM, *Dasyhelea*, 74  
 oreophila REMM, *Forcipomyia*, 107  
 Orfelia A. COSTA, 205  
 orichalcea ENDERLEIN, ssp., *Wilhelmia*, 156  
 orientalis GUTSEVICH, *Culicoides*, 58  
 orientalis LAŠTOVKA et MATILE, *Rymosia*, 324  
 ornata (MEIGEN), *Bezzia*, 31  
 ornata LANDROCK, *Macrocera*, 213  
 ornata STEPHENS, *Mycetophila*, 274  
 ornata (MEIGEN), *Mycomya*, 227  
 ornata OKADA, *Neoempheria*, 231  
 ornata (MEIGEN), *Odagmia*, 168  
 ornatcollis (MEIGEN), *Allodia*, 297  
 [ornaticornis KIEFFER, *Dasyhelea*, 78]  
 ornatigaster (SANTOS ABREU), *Dasyhelea*, 77  
 ornatipennis (OKADA), *Epicypa*, 265  
 ornatipennis GOETGHEBUER, *Sphaeromias*, 16  
 ornatoide BARANOV, ssp. *Simulium*, 184  
*Orphnephila* HALIDAY, 188  
*Orphnephilina* ENDERLEIN, 187  
 orsovae (SMART), *Cnetha*, 144  
 osakensis IWATA, *Culicoides* 71  
 oshimanum SHIRAKI, *Simulium*, 179  
 osiris KIEFFER, *Atrichopogon*, 94  
 ostensackenii DZIEDZICKI, *Mycetophila*, 274  
 ottohimeana OKADA, *Tetragoneura*, 262  
 ovata OSTROVERKHOVA, *Ectrepesthoneura*, 256  
 ovtshinnikovi (RUBZOV), *Sulcinephthia*, 131  
 oxiana REMM, *Stilobezzia*, 38  
 oxianus SMATOV, *Culicoides*, 69
- Pachyneura*, ZETTERSTEDT, 193  
 PACHYNEURIDAE, 192  
*Pachypalpus* MACQUART, 309  
 pachypyga REMM, *Bezzia*, 29  
 pachystyla VAILLANT, *Thaumalea*, 190  
 padana RUBZOV, ssp., *Odagmia*, 171  
 padi REMM, *Forcipomyia*, 106  
*paelignum* RIVOSECCHI, *Simulium*, 183  
 Palaeodocosia MEUNIER, 252  
 palettata (BURGHELE-BALACESCO), *Exechiopsis*, 320  
 pallens (LOEW), *Mycomya*, 227  
 pallida (STANNIUS), *Exechia*, 314  
 pallida (WINNERTZ), *Forcipomyia*, 106  
 pallida (BUKOWSKI), *Mycetophila*, 274  
 pallida (WINNERTZ), *Mycomya*, 227  
 pallida (STAEGER), *Orfelia*, 206  
 pallida (GIGLIO-TOS), *Symmerus*, 198
- pallidetarsata* (STROBL), *Bezzia*, 33  
 pallidicornis KIEFFER, *Culicoides*, 61  
 pallidicornis MACQUART, *Mycetophila*, 280  
 [pallidipennis CARTER, INGRAM et MACFIE, *Culicoides*, 51]  
 pallidipes SANTOS ABREU, *Forcipomyia*, 106  
 pallidistylus KRIVOSHEINA et REMM, *Forcipomyia*, 106  
 pallidiventris (GOETGHEBUER), *Dasyhelea*, 77  
 pallidula EDWARDS, *Boletina*, 246  
 pallidus KHALAF, *Culicoides*, 62  
 pallifemorata REMM, *Monohalea*, 37  
 pallipes (MEIGEN), *Ceratopogon*, 100  
 pallipes EDWARDS, *Docosia*, 255  
 pallipes (FRIES), *Metacnephia*, 129  
 pallipes MEIGEN, *Mycetobia*, 219  
 pallipes MEIGEN, *Mycetophila*, 280  
 pallipes MACQUART, *Platyura*, 210  
 palmatus TOKUNAGA, *Atrichopogon*, 93  
 palmeni LUNDSTRÖM, *Hadroneura*, 251  
 palmensis SANTOS ABREU, *Azana*, 233  
 palmensis SANTOS ABREU, *Forcipomyia*, 106  
 Palpomyia MEIGEN, 16  
 Palpomyia MEIGEN, subg., 17  
 PALPOMYIINAE, 11  
 PALPOMYIINI, 16  
 paludicola KIEFFER, *Dasyhelea*, 78  
 paludicolum RIVOSECCHI, *Eusimulium*, 151  
 paludis (MACFIE), *Forcipomyia*, 95  
 paludosa (STAEGER), *Zygomyia*, 296  
 paludosa: WALKER, 296  
 palustre RUBZOV, *Simulium*, 178  
 palustris CLASTRIER, *Bezzia*, 27  
 palustris AMOSSOVA, *Culicoides*, 68  
 palustris (MEIGEN), *Dasyhelea*, 83  
 palustris (SAUNDERS), *Forcipomyia*, 98  
 palustris LANDROCK, *Phronia*, 285  
 pamirica ZAITZEV, *Sciophila*, 240  
 pamiricus ZHOGOLEV, *Culicoides*, 62  
 pamiriensis PETROVA, *Metacnephia*, 129  
 panacantha CLASTRIER, *Palpomyia*, 22  
 pandellei (SÉGUY), *Grzegorzekia*, 251  
 pandjensis (RUBZOV), *Sulcinephthia*, 131  
 Panhelea REMM, subg., 99  
 Panhelea REMM, 94  
 panorpiformis (MATSUMURA), *Leptomorphus*, 234  
 papilionivora EDWARDS, *Forcipomyia*, 96  
 papillata REMM, *Stilobezzia*, 39  
 papyracea STACKELBERG, *Exechia*, 313  
 Parabezzia MALLOCH, 40  
 Parabyssodon RUBZOV, 136  
 Paracondyla TUOMIKOSKI, subg., 305



- Paracondyla* TUOMIKOSKI, 304  
 paracornifera YANKOVSKY, Cnetha, 145  
 paracruciator LAŠTOVKA et MATILE, Mycetophila, 274  
 paracuminata REMM, Dasyhelea, 75  
 paradoxa KRIVOSHEINA, Forcipomyia, 102  
*paradoxa* (PLOTNIKOVA), Mycetophila, 273  
*paradoxa* (ZILAHİ-SEBESS), Nilobezzia, 15  
*paradoxa* (EDWARDS), Synapha, 253  
 paraequina (PURI), Wilhelmia, 156  
 Paragnus RUBZOV et YANKOVSKY, 174  
 paragrata REMM, Dasyhelea, 78  
 Parahelodon PETERSON, 124  
 parallela REMM, Dasyhelea, 83  
 parallela WALKER, Leia, 326  
 parallela (EDWARDS), Pseudexechia, 321  
 parallela (WALKER), Trichonta, 290  
 Paralloidia PLASSMANN, 297  
 paramorsitans RUBZOV, Simulium, 182  
 Paraneurotelia LANDROCK, 233  
 parapallipes BOBROVA, Metacnephia, 129  
 Paraplatoryura ENDERLEIN, 207  
 parapusilla RUBZOV, Schoenbaueria, 153  
 parargyreatum RUBZOV, Simulium, 178  
 Parastemma GRZEGORZEK, 262  
 Paratinia MIK, 236  
 parcehirsuta BECKER, Macrocera, 216  
 parcepilosa KIEFFER, Dasyhelea, 85  
 Parexechia BECKER, 311  
 parroti CLAUSTRIER, Atrichopogon, 89  
 parroti KIEFFER, Culicoides, 70  
 Parrotia KIEFFER, subg., 15  
 Parrotia KIEFFER, 14  
 parva LUNDSTRÖM, Exechia, 313  
 parva LUNDSTRÖM, Macrocera, 216  
 parva (DZIEDZICKI), Mycomya, 227  
 parviareolata SANTOS ABREU, Sciophila, 240  
 parvidens KIEFFER, Bezzia, 28  
 parvifasciata (SANTOS ABREU), Fungivora, 280  
 parviforceps TOKUNAGA, Atrichopogon, 89  
 parviforceps KIEFFER, Palpomyia, 19  
 parvifrons RIVOSECCHI et CARDINALI, ssp., Cleitosimulium, 175  
 parvipalpis EDWARDS, Cordyla, 310  
 parvula KIEFFER, Diplohelea, 73  
 parvula (ZETTERSTEDT), Exechia, 313  
 parvula OSTROVERKHOVA, Mycetophila, 274  
 parvulus KIEFFER, Atrichopogon, 93  
 parvum: RUBZOV, Simulium, 185  
 parvum ENDERLEIN, Simulium, 183  
 pasquieri CLAUSTRIER, Ceratopogon, 45  
 pastus KITAOKA, Culicoides, 52  
 patens JOHANNSEN, Trichonta, 293  
 patrushevae BOLDARUEVA, Cnetha, 145  
 patrushevae IVASCHEVSKO, Schoenbaueria, 153  
 patula (PLASSMANN), Exechiopsis, 318  
 paucicuspe (RUBZOV), Eusimulium, 151  
 paucisetosus REMM, Ceratopogon, 43  
 paulus REMM, Atrichopogon, 93  
 pavani TOLLET, Exechia, 313  
 pavidus (WINNERTZ), Atrichopogon, 89  
 pavlovskii (RUBZOV), Gnus, 162  
 pavlovskiy DZHAFAROV, Leptoconops, 113  
 pecinai (LAŠTOVKA), Mycetophila, 274  
 pecticrassum RUBZOV, Prosimulium, 121  
 pectinacea OSTROVERKHOVA, Rymosia, 324  
 pectinata OSTROVERKHOVA, Exechia, 313  
 pectinata PATRUSHEVA, Metacnephia, 129  
 pectinatus KIMURA, Cerotelion, 201  
 pectinifera (EDWARDS), Mycomya, 227  
 pectinifera (EDWARDS), Rutylopa, 208  
 pectinivala STACKELBERG, Exechia, 313  
 pectinunguis EDWARDS, Boletina, 246  
 [pectinunguis DE MEJERE, Ceratopogon, 94]  
 [pectoralis COQUILLET, Platyura, 207]  
 [pecuarum RILEY, Cnephia, 128]  
 peculiaris DZIEDZICKI, Phronia, 286  
 pedicularis LACKSCHEWITZ, error, 286  
 pedipupalis (RUBZOV), Metacnephia, 130  
 peetsi ENDERLEIN, Schoenbaueria, 153  
 pegobius KIEFFER, Culicoides, 52  
 pekae REMM, Monohelea, 37  
 pelecatus REMM, Ceratopogon, 45  
 penicilla HUTSON, Syntemna, 241  
 penicillata (LUNDSTRÖM), Allodia, 300  
 penicillata A. COSTA, Macrocera, 216  
 penicillata (DZIEDZICKI), Sciophila, 230  
 peneti (LANGERON), Leptoconops, 113  
 pennicillata, error, 230  
 pennicornis ZETTERSTEDT, Cecidomyia, 110  
 pentamaculatus SMATOV, Culicoides, 62  
 pentaspila REMM et GLUKHOVA, Alluaudomyia, 41  
 pentophthalmus (GIGLIO-TOS), Keroplatus, 203  
 peregrinus KIEFFER, Culicoides, 50  
 perflavida REMM, Forcipomyia, 100  
 perolla PLASSMANN, Allodia, 300  
 perpauca LAŠTOVKA, Mycetophila, 274  
 perpungens KIEFFER, Culicoides, 66  
 perpusilla EDWARDS, Pyratula, 207  
 perpusillus (EDWARDS), Ceratopogon, 45  
 perrara REMM, Dasyhelea, 83  
 perrisi (KIEFFER), Forcipomyia, 104  
 persica (RUBZOV), Metacnephia, 130  
 persica MATILE, Rymosia, 324  
 persimilis HACKMAN, Phronia, 286

- [*perspicua* (SOMMERMAN), Ahaimophaga, 117]  
*perspicua* VAN DER WULP, Trichonta, 293  
*perspica* (JOHANNSEN), Exechiopsis, 320  
*pezzoni* (NEVEU), Stilobezzia, 39  
[*petiolata* MALLOCH, Parabezzia, 40]  
*petricolum* RIVISECCHI, Eusimulium, 152  
*petrofila* RUBZOV, Odagmia, 167  
*petrosus* RUBZOV, Prosimulium, 121  
*petrosus* REMM, Atrichopogon, 92  
*petrovae* RUBZOV, Sulcinephya, 132  
*petulans* DZIEDZICKI, Phronia, 286  
*pexifrons* ENDERLEIN, Prosimulium, 122  
*peyerimhoffi* BURGHELE-BALACESCO, Exechia, 314  
*Phaenobezzia* HAESELBARTH, subg., 28  
*Phaenobezzia* HAESELBARTH, 25  
*phalerata* MEIGEN, Macrocera, 216  
*pharao* KIEFFER, Culicoides, 68  
*phlebotomoides* BANGERTER, Forcipomyia, 100  
*Phoretodagmia* RUBZOV, 172  
*photophilus* KIEFFER, Culicoides, 72  
*phragmitis* KIEFFER, Bezzia, 25  
*Phronia* WINNERTZ, 280  
*phroniodes* LUNDSTRÖM, Trichonta, 290  
*Phthinia* WINNERTZ, 237  
*phusensis* REMM, Atrichopogon, 89  
*phytofaga* (RUBZOV), Ahaimophaga, 117  
*Phytohelea* REMM, subg., 95  
*Phytohelea* REMM, 94  
*picea* (WINNERTZ), Forcipomyia, 102  
*picheyrei* HARANT et GALAN, Forcipomyia, 109  
*picipes* (STEPHENS), Prosimulium, 122  
*picta* MEIGEN, Leia, 259  
*picta* MACQUART, Mycetophila, 280  
*picta* WIEDEMANN, Mycetophila, 280  
*pictellum* (RONDANI), Ceratopogon, 72  
*picticornis* KIEFFER, Bezzia, 28  
*pictidorsum* KIEFFER, Culicoides, 67  
*pictimargo* TOKUNAGA et SHOGAKI, Culicoides, 57  
*pictipennis* (STAEGER), Culicoides, 62  
*pictipennis* OKADA, Lygistorrhina, 220  
*pictipennis* (HALIDAY), Neoempheria, 231  
*pictipennis*: WINNERTZ, Neoempheria, 231  
*pictipennis* (STAEGER), Zygomyia, 296  
*pictula* MEIGEN, Mycetophila, 275  
*pictum* MEIGEN, Simulium, 184  
*picturatus* KREMER et DEDUIT, Culicoides, 62  
*pictus* KHALAF, Culicoides, 68  
*pictus* (MEIGEN), Sphaeromias, 16  
*piffardi* EDWARDS, Leia, 259  
*pigra* WINNERTZ, Phronia, 286  
*pilicauda* BUKOWSKI, Trichonta, 293  
*pilipennis* LUNDSTRÖM, Bezzia, 31  
*piligera* EDWARDS, Anatella, 303  
*pilosa* OKADA, Leia, 259  
*pilosa* LANDROCK, Macrocera, 216  
*pilosa* MAMAEV, Mycetobia, 219  
*pilosa* OSTROVERKHOVA, Phronia, 286  
*pilosa* (BUKOWSKI), Sceptonia, 290  
*pilosa* MEIGEN, Sciophila, 239  
*pilosella* REMM, Bezzia, 32  
*pilosipennis* TOKUNAGA, Atrichopogon, 86  
*pilosipennis* KIEFFER, Culicoides, 72  
*pilosipennis* (KIEFFER), Forcipomyia, 96  
*pilosula* ZETTERSTEDT, Sciophila, 239  
*pinnata* OSTROVERKHOVA, Rymosia, 324  
*Piotepalpus* RONDANI, 311  
*pistiae* (INGRAM et MACFIE), Bezzia, 28  
*pistillata* (LUNDSTRÖM), Allodia, 290  
*pitense* CARLSSON, Simulium, 183  
*placiada* WINNERTZ, Rymosia, 324  
*plana* (WALKER), Boletina, 246  
[*planiceps* ENDERLEIN, Megalopelma, 235]  
*planipuparia* (RUBZOV), Cnetha, 145  
*planitarsata* BECKER, Zygomyia, 296  
[*platensis* BRÈTHES, Forcipomyia, 99]  
*Platurocypta* ENDERLEIN, 288  
*platytarsis* YANKOVSKY, Odagmia, 169  
*Platyura*, MEIGEN, 207  
*platyura* (FABRICIUS), Mycomya, 226  
*Plesiastina* WINNERTZ, 198  
[*pleurale* (MALLOCH), Distosimulium, 124]  
*ploenensis* KIEFFER, Bezzia, 25  
*plumicornis* (MAYER), Bolitophila, 194  
*pluriseta* EDWARDS, Sciophila, 240  
*plurispinosa* CLASTRIER, Palpomyia, 23  
*polae* (SMART), Odagmia, 163  
*polare* RUBZOV, Simulium, 176  
*polaris* LUNDSTRÖM, Boletina, 247  
*polita* EDWARDS, Dasyhelea, 75  
*poljakovae* PATRUSHEVA, Greniera, 126  
*pollicata* (EDWARDS), Exechiopsis, 320  
*pollinivorus* DOWNES, Atrichopogon, 89  
*polyacantha* CLASTRIER, Palpomyia, 22  
*polydactylus* NIELSEN, Atrichopogon, 87  
*Polylepta* WINNERTZ, 237  
*polymaculatus* VIMMER, Culicoides, 67  
*Polyxena* MEIGEN, 309  
*ponkikiri* KONO et TAKAHASI, Culicoides, 59  
*pontica* REMM, Forcipomyia, 99  
*pontica* RUBZOV, ssp., Odagmia, 170  
*pontina* (RIVISECCHI), Odagmia, 169  
*Pontoculicoides*, REMM, subg., 53  
*Pontoculicoides* REMM, 48  
*poteringensis* GOETGHEBUER, Culicoides, 62  
*popovae* (RUBZOV), Obuchovia, 160  
*popovi* JOOST, Thaumalea, 190

- popovii* DZHAFAROV, *Leptoconops*, 112  
*porrecta* (OSTROVERKHOVA), *Exechiopsis*, 318  
*portschinskyi* DZIEDZICKI, *Phronia*, 287  
*posticalis* LUNDSTRÖM, *Mycetophila*, 278  
*posticata* ZETTERSTEDT, *Leia*, 259  
*posticata* (ZETTERSTEDT), *Nilobezzia*, 14  
*posticatum* MEIGEN, *Simulium*, 183  
*postposita* STROBL, *Boletina*, 244  
*postrema* (SANTOS ABREU), *Helea*, 109  
*praecincta* SANTOS ABREU, *Forcipomyia*, 109  
*praecox* EDWARDS, *Phronia*, 281  
*praedita* PLASSMANN, *Exechia*, 314  
*praeformida* (DZIEDZICKI), *Allodiopsis*, 301  
*praesta* (LOEW), *Palpomyia*, 22  
*praeustum* (MEIGEN), *Dynatosoma*, 263  
*pratensis* GOETGHEBUER, *Dasyhelea*, 75  
*pratensis* (MEIGEN), *Palpomyia*, 21  
*pratona* (FRIEDERICH), *Odagmia*, 169  
*prima* BARANOV, *Odagmia*, 170  
*prima* BARANOV, ssp., *Odagmia*, 169  
*primum* (BARANOV), *Eusimulium*, 150  
*Prionomyia* STEPHENS, 34  
*pritzkovi* ENDERLEIN, *Cnetha*, 145  
*Probezzia* KIEFFER, 12  
*procerus* (ZETTERSTEDT), *Sphaeromyias*, 16  
*Proforcipomyia* SAUNDERS, 94  
*profundale* BARANOV, *Simulium*, 181  
*Prokempia* KIEFFER, subg., 78  
*Prokempia* KIEFFER, 73  
*prolata* SASAKAWA et KIMURA, *Boletina*, 247  
*Proleptoconops* CLASTRIER, subg., 114  
*Proleptoconoops* CLASTRIER, 111  
*Promacrocera* SPEISER, 212  
*prominens* (LUNDSTRÖM), *Mycomya*, 227  
*promorsitans* RUBZOV, *Simulium*, 183  
*pronevitschae* RUBZOV, *Prosimulium*, 121  
*propleuralis* EDWARDS, *Macrocera*, 216  
*Prosapelta* KIEFFER, 47  
 PROSIMULIINAE, 116  
*Prosimulium* ROUBAUD, 118  
*prospicula* REMM, *Bezzia*, 27  
*protenta* LAŠTOVKA et MATILE, *Allodia*, 299  
*Prothaumalea* ENDERLEIN, 188  
*Protothaumalea* VAILLANT, 188  
*provincialis* VAILLANT, *Thaumalea*, 190  
*proxima* (WINNERTZ), *Neoempheria*, 231  
*proximum* (STAEGER), *Brevicornu*, 309  
*pruinosa* LAŠTOVKA et MATILE, *Exechiopsis*, 320  
*pruinulosa* REMM, *Palpomyia*, 22  
*Psammopogon* REMM, subg., 91  
*Psammopogon* REMM, 85  
*pseudequina* (SÉGUY), *Wilhelmia*, 156  
*Pseudexechia* TUOMIKOSKI, 321  
*pseudindecisa* LAŠTOVKA et MATILE, *Exechiopsis*, 319  
*pseudoapicalis* (LANDROCK), *Mycomya*, 227  
*Pseudobrachypeza* TUOMIKOSKI, 321  
*pseudochiopterus* DOWNES et KETTLE, *Culicoides*, 51  
*pseudosciarina* STROBL, *Boletina*, 244  
*pseudocincta* STROBL, *Exechia*, 314  
*pseudocinerascens* (STROBL), *Mycomya*, 227  
*pseudocontaminata* SANTOS ABREU, *Exechia*, 314  
*pseudocontaminata* SANTOS ABREU, *Exechia*, 326  
*pseudocretensis*, BURGHELE-BALACESCO, *Ry-mosia*, 324  
*Pseudoculicoides* MALLOCH, subg., 79  
*Pseudoculicoides* MALLOCH, 73  
*pseudocurvata* VÄISÄNEN, *Mycomya*, 227  
*Pseudodagmia* BARANOV, 163  
*pseudodomestica* (LACKSCHEWITZ), *Allodiopsis*, 300  
*pseudofestiva* LACKSCHEWITZ, *Exechia*, 314  
*pseudogibba* PLASSMANN, *Anatella*, 304  
*pseudoheliophilus* CALLOT et KREMER, *Culicoides*, 62  
*pseudohirtipes* (SMART), *Prosimulium*, 122  
*pseudohumeralis* CASPERS, *Zygotomyia*, 296  
*pseudohybrida* LANDROCK, *Bolitophila*, 196  
*pseudokolumbaczense* BARANOV, ssp., *Simulium*, 184  
*pseudolangeroni* KRAMER, CHAKER et DELÉCOLLE, *Culicoides*, 62  
*pseudolatipes* (SANTOS ABREU), *Eusimulium*, 152  
*pseudonearcticus* (RUBZOV), *Byssodon*, 134  
*Pseudonevermannia* BARANOV, 140  
*pseudopallidus* KHALAF, *Culicoides*, 62  
*pseudopulchella* (LUNDSTRÖM), *Exechiopsis*, 319  
*pseudopulchella* (OSTROVERKHOVA), *Mycomya*, 228  
*pseudopusilla* LANDROCK, *Macrocera*, 216  
*pseudopusilla* RUBZOV, *Schoenbaueria*, 153  
*pseudoquadrata* (BUKOWSKI), *Mycetophila*, 275  
*pseudoquadriodes* MATILE, *Mycetophila*, 275  
*pseudoreptans* ENDERLEIN, *Simulium*, 183  
*Pseudorymosia* TUOMIKOSKI, 322  
*Pseudosimulium* BARANOV, 175  
*pseudospinipes* GOETGHEBUER, *Palpomyia*, 23  
*pseudovalida* LANDROCK, *Docosia*, 254  
*pseudoventralis* SASAKAWA et KIMURA, *Boletina*, 247  
*pseudovernalis* RUBZOV, ssp., *Odagmia*, 171  
*Psilocnetha* ENDERLEIN, 135  
*Psilohela* KIEFFER, 42  
*Psilokempia* ENDERLEIN, subg., 93  
*Psilokempia* ENDERLEIN, 75

- pilonata* (KIEFFER), Forcipomyia, 100  
*psilopterus* KIEFFER, Atrichopogon, 89  
*Psilozia* ENDERLEIN, 158  
*Psychothaumalea* VAILLANT, 187  
*Pterobosca* MACFIE, subg., 95  
*Pterobosca*, MACFIE, 94  
*puberula* REMM, Palpomyia, 22  
*pubescens* (ZETTERSTEDT), Ectrepesthoneura, 256  
*pubescens* KIEFFER, Palpomyia, 23  
*pubescens* MACQUART, Simulium, 183  
*pubiventris* ZETTERSTEDT, Simulium, 183  
*puerariae* SHINJI, Leia, 326  
*pugetensis* (DYAR et SHANNON), Cnetha, 145  
*pugnax* CLASTRIER, Leptoconops, 113  
*puhtuensis* REMM, Forcipomyia, 102  
*pukovaense* BARANOV, ssp., Simulium, 184  
*pulchella* (CURTIS), Allocotocera, 232  
*pulchella* (WINNERTZ), Exechiopsis, 319  
*pulchella* (DZIEDZICKI), Mycomya, 228  
*pulcher* ZILAHY-SEBESS, Culicoides, 68  
*pulcherrima* SANTOS ABREU, Forcipomyia, 108  
*pulchra* LUNDSTRÖM, Mycetophila, 270  
*pulchra* GAGNÉ, Trichonta, 294  
*pulchrigaster* SANTOS ABREU, Exechia, 316  
 [pulchripennis KIEFFER, Sphaeromyias, 37]  
*pulchripes* (SANTOS ABREU), Culicoides, 85  
*pulchripes* AUSTEN, Simulium, 185  
*pulchrithorax* EDWARDS, Forcipomyia, 106  
*pulcaris* (LINNAEUS), Culicoides, 50  
*pulla* EDWARDS, Thaumalea, 190  
*pullata* OSTROVERKHOVA, Exechia, 314  
*pullatus* KIEFFER, Culicoides, 50  
*pullum* RUBZOV, Simulium, 176  
*pumila* WINNERTZ, Mycetophila, 275  
*pumilio* LOEW, Macrocera, 216  
*pumilus* (WINNERTZ), Ceratopogon, 72  
*punctata* LUNDSTRÖM, Bezzia, 31  
*punctata* MEIGEN, Mycetophila, 270  
*punctata* (MEIGEN), Mycomya, 228  
*punctaticollis* GOETGHEBUER, Culicoides, 70  
*punctatidorsum* KIEFFER, Culicoides, 69  
*punctatipennis* KIEFFER, Forcipomyia, 106  
*punctatus* (MEIGEN), Culicoides, 50  
*punctatus* (MEIGEN), Sphaeromyias, 16  
*puncticeps* GOETGHEBUER, Culicoides, 73  
*puncticollis* (BECKER), Culicoides, 70  
*puncticollis* GOETGHEBUER, Culicoides, 70  
*punctipennis* STANNIUS, Mycetophila, 280  
*punctipes* (STAEGER), Brevicornu, 309  
*punctiventris* GOETGHEBUER, Dasyhelea, 83  
*punctum* (STANNIUS), Platurocypta, 288  
*pungens* (MEIGEN), Byssodon, 134  
*pungens*: RUBZOV, Cnetha, 142  
*pungens* (KIEFFER), Culicoides, 66  
*pungens* KIEFFER, Palpomyia, 22  
*puripennis* AUSTEN, Culicoides, 62  
*pusilla* EDWARDS, Cordyla, 310  
*pusilla* MEIGEN, Macrocera, 216  
*pusilla* (FRIES), Schoenbaueria, 153  
*pusilla* (MEIGEN), Zygomyia, 295  
*pusillus* HOLMGREN, Ceratopogon, 110  
*pusio* ZETTERSTEDT, Ceratopogon, 110  
*putredinis* KIEFFER, Atrichopogon, 87  
*pygisiaca* WINNERTZ, Phronia, 284  
*pygmaea* GOETGHEBUER, Bezzia, 32  
 [pygmaea ENDERLEIN, Morops, 137]  
*pygmaea* MACQUART, Mycetophila, 280  
*pygmaeum*: RUBZOV, 145  
*Pygobezzia* REMM, subg., 33  
*Pygobezzia* REMM, 25  
*Pyratula* EDWARDS, 207  
*pyrenaica* MATILE, Mycetophila, 275  
*pyrenaica* EDWARDS, Thaumalea, 190  
*qabdoensis* LEE, Culicoides, 69  
*quadra* LUNDSTRÖM, Mycetophila, 275  
*quadricornis* STACKELBERG, Coelosia, 249  
*quadridens* REMM, Bezzia, 33  
*quadrifila* GRENIER, FAURE et LAURENT, Wilhelmia, 157  
*quadrimaculata* (BUKOWSKI), Mycetophila, 275  
*quadrimaculatus* STROBL, Ceratopogon, 34  
*quadrimaculatus* (MATSUMURA), Leptomorphus, 234  
*quadrupunctata* (GOETGHEBUER), Alluaudomyia, 41  
*quadrupunctatus* OKADA, Cerotelion, 201  
*quadrispinosa* GOETGHEBUER, Palpomyia, 22  
*quadristriata* (STROBL), Palpomyia, 22  
*quadriterga* HURSON, Sciophila, 240  
*quadrivittatus* VIMMER, Culicoides, 73  
*quarta* BARANOV, Wilhelmia, 157  
*quattuordecimfilium* RUBZOV, Montisimulium, 139  
*quattuordecimfilium* (RUBZOV), Montisimulium, 139  
*quinquemaculatus* VIMMER, Culicoides, 73  
*quinquepunctata* TOKUNAGA, Alluaudomyia, 41  
*quinquepunctatus* GOETGHEBUER, Culicoides, 50  
*quinqestriatum* (SHIRAKI), Simulium, 179  
*quinquetaeniata* CLASTRIER, Dasyhelea, 78  
*rachiliense* DJAFAROV, Prosimulium, 121  
*racovitzai* MATILE et BURGHELE-BALACESCO, Cerotelion, 201  
*radialis* GOETGHEBUER, Bezzia, 28

- radiata* JENKINSON, *Brachypeza*, 305  
*radiatum* (LUNDSTRÖM), *Brevicornu*, 308  
*radicola* EDWARDS, *Forcipomyia*, 106  
*radoskowskii* (DZIEDZICKI), *Mycomya*, 229  
*raignieri* GOETGHEBUER, *Palpomyia*, 22  
*ramificata* (RUBZOV), *Metacnephia*, 130  
[*ramosum* PURI, *Simulium*, 176]  
*rangiferina* (RUBZOV), *Schoenbaueria*, 154  
*rara* PLASSMANN, *Allodia*, 298  
*rara* GRZEGORZEK, *Apolephthisa*, 242  
[rashidi (LEWIS), *Phoretodagmia*, 172]  
*ravus* DE MEILLON, *Culicoides*, 62  
*reamurii* (DUFUR), *Keroplatus*, 203  
*rebusensis* ONO, *Cnetha*, 145  
*reciprocum* (WALKER), *Dynatosoma*, 264  
*recondita* (OSTROVERKHOVA), *Mycomya*, 228  
*reconditus* CAMPBELL et PELHAM-CLINTON, *Culicoides*, 63  
*rectangulata* LUNDSTRÖM, *Bolitophila*, 196  
*reesi* BULLOCK et AKIYAMA, *Culicoides*, 56  
*referta* PLASSMANN, *Ectrepesthoneura*, 256  
*regelationis*: (MEIGEN), *Atractocera*, 147  
*reginae* (TERTERJAN), *Eusimulium*, 152  
*regulus* (WINNERTZ), *Forcipomyia*, 106  
*rejecta* EDWARDS, *Boletina*, 247  
*relensis* (RUBZOV), ssp., *Ahaimophaga*, 116  
*relicta* (LUNDSTRÖM), *Syntenna*, 241  
*relictum* (RUBZOV), *Gnus*, 162  
*remmi* DAMIAN-GEORGESCU, *Culicoides*, 49  
*remmi* HAVELKA, *Palpomyia*, 22  
*Remmia* GLUKHOVA, 47  
*remota* (KIEFFER), *Mallochohelea*, 13  
*remota* MARTINOVSKY et ROZKOŠNÝ, *Thaumalea*, 190  
*remotum* RUBZOV, *Simulium*, 183  
*rendalensis* (GOLINI), *Helichiella*, 127  
*renda* JOHANNSEN, *Exechia*, 314  
*reptans* (LINNAEUS), *Simulium*, 183  
*reptantoides* CARLSSON, *Simulium*, 184  
*resinicola* (KIEFFER), *Forcipomyia*, 107  
*restonica* VAILLANT, *Thaumalea*, 191  
*retracta* PLASSMANN, *Allodia*, 300  
*reuteri* (LUNDSTRÖM), *Saigusaia*, 252  
*reversa* REMM, *Palpomyia*, 22  
*rezvoi* RUBZOV, *Simulium*, 184  
*rheophila* KNOZ, *Odagmia*, 164  
*rheophilum* TAN et CHOW, *Simulium*, 185  
*rhizomorpha* (RUBZOV), *Ahaimophaga*, 117  
*rhombica* LAŠTOVKA et MATILE, *Allodia*, 299  
*Rhymosia*, emend., 322  
*rhyrachostylata* REMM, *Bezzia*, 32  
*richneri* ENDERLEIN, *Stegopterna*, 125  
*riethi* KIEFFER, *Culicoides*, 71  
*riouxi* DZHAFAROV, *Culicoides*, 63  
*riouxi* W. et N. HUTTEL, *Palpomyia*, 23  
*riparia* CLASTRIER, *Alluadomyia*, 41  
*ritzei* DZHAFAROV, *Culicoides*, 63  
*rivalis* (SANTOS ABREU), *Mycomya*, 228  
*rivi* IVASCHENKO, *Greniera*, 127  
*rivicola* KIEFFER, *Culicoides*, 52  
*rivosecchii* (CONTINI), *Cnetha*, 146  
*rivosecchii* RUBZOV, *Simulium*, 185  
*rivularis* (PLANCHON), *Odagmia*, 171  
*robusta* (WINNERTZ), *Sciophila*, 240  
*rochenus* CAMBOURNAC, *Culicoides*, 73  
*roevdeae* (SMART), *Schoenbaueria*, 153  
*romanicus* DAMIAN-GEORGESCU, *Ceratopogon*, 43  
*Rondaniella* JOHANNSEN, 261  
*rosalba* HUTSON, *Mycomya*, 228  
*rossica* LANDROCK, *Bolitophila*, 196  
*rossica* REMM, *Palpomyia*, 23  
*rossii* CLASTRIER, *Bezzia*, 32  
*rostrata* (ZETTERSTEDT), *Macrorrhyncha*, 204  
*rostratum* (LUNDSTRÖM), *Gnus*, 162  
*rostratus* (WINNERTZ), *Atrichopogon*, 87  
*Rostropogon* REMM, subg., 87  
*Rostropogon* REMM, 85  
*rosularia* OSTROVERKHOVA, *Mycetophila*, 275  
*rotundata* RUBZOV, *Odagmia*, 169  
*rubella* SANTOS ABREU, *Exechia*, 314  
*rubicundus* RUBZOV, *Helodon*, 123  
*rubida* SANTOS ABREU, *Sciophila*, 239  
*rubiginosa* (WINNERTZ), *Bezzia*, 28  
*rubiginosa* (SANTOS ABREU), *Mycetophila*, 269  
*rubra* KIEFFER, *Palpomyia*, 18  
*rubrithorax* OKADA, *Leia*, 259  
*rubroflavifemur* (RUBZOV), *Gnus*, 162  
*rubtzovi* SMART, *Simulium*, 185  
*rubzovi* BOBROVA, *Gymnopais*, 115  
*Rubzovia* PETROVA, 135  
*rubzovia* IVASCHENKO, *Schoenbaueria*, 154  
*rubzovianum* SERBAN, *Eusimulium*, 152  
*rudis* WINNERTZ, *Mycetophila*, 275  
*rufa* MACQUART, *Mycetophila*, 270  
*rufa* MEIGEN, *Sciophila*, 240  
*rufescens* REMM, *Bezzia*, 27  
*rufescens* (KIEFFER), *Forcipomyia*, 107  
*rufescens* (ZETTERSTEDT), *Dynatosoma*, 264  
[*rufescens* BRUNETTI, *Isoneuromyia*, 202]  
*rufescens*: authors, 274  
*rufibasis* BRUNETTI, *Simulium*, 176  
*ruficauda* (VAN DER WULP), *Allodia*, 300  
*ruficauda* (VAN DER WULP), *Brachycampta*, 325  
*ruficeps* KIEFFER, *Palpomyia*, 23  
*ruficollis* MEIGEN, *Mycetophila*, 275

- ruficollis* (ZETTERSTEDT), *Mycomya*, 228  
*ruficollis* (MEIGEN), *Orfelia*, 205  
*ruficornis* (MEIGEN), *Brevicornu*, 308  
*ruficornis* MACQUART, *Ceratopogon*, 34  
*ruficornis* (MACQUART), *Nevermannia*, 149  
*ruficornis* BARANOV, *Odagmia*, 170  
*ruficornis* GOETGHEBUER, *Palpomyia*, 18  
*ruficornis* (ZETTERSTEDT), *Rutylapa*, 208  
*rufifacies* GOETGHEBUER, *Bezzia*, 32  
*rufigastris* (SANTOS ABREU), *Ceratopogon*, 43  
*rufilatera* (EDWARDS), *Allodiopsis*, 301  
*rufilatera* (WALKER), *Monoclona*, 235  
*rufina* (SCHNUSE), *Megophthalmidia*, 261  
*rufipectus* (WINNERTZ), *Palpomyia*, 17  
*rufipes* (MEIGEN), *Palpomyia*, 23  
*rufipes* MEIGEN, *Platyura*, 207  
*rufipes* (MEIGEN), *Prosimulium*, 122  
*rufiptera* OSTROVERKHOVA, *Leia*, 259  
*rufitarsis* (MEIGEN), *Serromyia*, 35  
*rufithorax* STROBL, *Anatella*, 304  
*rufithorax* GOETGHEBUER, *Bezzia*, 26  
*rufithorax* STROBL, *Dynatosoma*, 264  
*rufithorax* VAN DER WULP, *Exechia*, 316  
*rufithorax* KIEFFER, *Stilobezzia*, 39  
*rufiventris* (KIEFFER), *Leptoconops*, 113  
*rufus* (MEIGEN), *Simulia*, 124  
*rugosa* CHAN et LE ROUX, *Forcipomyia*, 98  
*rumanica* EDWARDS, *Thaumalea*, 191  
*rupicolum* (SÉGUY et DORIER), *Cleitosisimulium*, 175  
*russata* DZIEDZICKI, *Mycetophila*, 278  
*rustica* (EDWARDS), *Allodiopsis*, 300  
*rustica* (KIEFFER), *Forcipomyia*, 102  
*rustica* WINNERTZ, *Phronia*, 283  
*Rutrophora* SCHNUSE, 260  
*Rutylapa* EDWARDS, 208  
*Rymosia* WINNERTZ, 322  
  
*saccai* (RIVOSECCHI), *Helichiella*, 127  
*saccatum* RUBZOV, *Gnus*, 163  
*sachalinensis* MATSUMURA, *Platyura*, 210  
*saevanicus* DZHAFAROV, *Culicoides*, 63  
*saevus* KIEFFER, *Culicoides*, 33  
*sagaensis* TOKUNAGA, *Alluaudomyia*, 41  
*sagittata* LAŠTOVKA et MATILE, *Exechiopsis*, 319  
*sagulata* PLASSMANN, *Rymosia*, 324  
*sahariensis* CLASTRIER, *Bezzia*, 32  
*sahariensis* CLASTRIER, *Ceratopogon*, 45  
*sahariensis* KIEFFER, *Culicoides*, 63  
*sahariensis* KIEFFER, *Forcipomyia*, 107  
*sahariensis* KIEFFER, *Stilobezzia*, 39  
*sahlbergi* LUNDSTRÖM, *Boetina*, 244  
*Saigusai* VOCKEROTH, 252  
  
*saileri* STONE, *Metacnephia*, 128]  
*sajana* REMM, *Bezzia*, 33  
*sajanicus* MIRZAJEVA, *Culicoides*, 63  
*sakhalinum* (RUBZOV), *Montisimulium*, 139  
*sakishimaense* TAKAOKA, *Simulium*, 179  
*saliceti* RUBZOV, *Cnetha*, 146  
*salicola* KIEFFER, *Culicoides*, 67  
*salinarius* KIEFFER, *Culicoides*, 69  
*salinum* RUBZOV, *Eusimulium*, 152  
*salopiensis* (EDWARDS), ssp., *Wilhelmia*, 156  
*saltans* WINNERTZ, *Ceratopogon*, 110  
*sangrensis* BARANOV, *Wilhelmia*, 157  
*sanguinolenta* KIEFFER, *Forcipomyia*, 107  
*sanguisuga* (COQUILLET), *Culicoides*, 52  
*sangvinarium* (PALLAS), *Biblio*, 186  
*saninensis* TOKUNAGA, *Culicoides*, 63  
*santonicus* CALLOTT, KREMER, RAULT et BACH, *Culicoides*, 63  
*santosi* REMM, *Forcipomyia*, 107  
*sapporoense* OKADA, *Dynatosoma*, 264  
*sapporoense* (SHIRAKI), *Prosimulium*, 120  
*sapporoensis* OKADA, *Coelosia*, 249  
*sapporoensis* OKADA, *Zelmira*, 210  
*saprophila* KIEFFER, *Dasyhelea*, 85  
*saradzhense* (RUBZOV), *Montisimulium*, 139  
*sardoa* (RIVOSECCHI et CONTINI), *Metacnephia*, 130  
*sarurense* ONO, *Prosimulium*, 122  
*sasai* (RUBZOV), *Gomphostilbia*, 136  
*sastschcheri* (MATSCHAVARIANI), *Paragnus*, 174  
*sate* KIEFFER, *Forcipomyia*, 97  
*satsumensis* (TAKAOKA), *Eusimulium*, 152  
*saundersi* (CURTIS), *Bolitophila*, 194  
*saundersi*: EDWARDS, 194  
*savici* BARANOV, ssp., *Odagmia*, 169  
*sawamotoi* KANO et TAKAHASI, *Culicoides*, 50  
*saxatilis* CLASTRIER, *Ceratopogon*, 45  
*saxatilis* DZIEDZICKI, *Phronia*, 287  
*saxicola* (EDWARDS), *Dasyhelea*, 78  
*saxicola* (RUBZOV), ssp., *Metacnephia*, 129  
*saxigena* DZIEDZICKI, *Phronia*, 287  
*sbergi* (RUBZOV), *Tetisimulium*, 173  
*scalara* OSTROVERKHOVA, *Phronia*, 287  
*scalaria* OSTROVERKHOVA, *Anatella*, 304  
*scandinaviae* (CLASTRIER), *Mallochohelea*, 14  
*scapularis* GOETGHEBUER, *Forcipomyia*, 109  
*scapulata* ENDERLEIN, *Psilocnetha*, 135  
*scatophora* (PERRIS), *Epicyptha*, 265  
*scatophora* WINNERTZ, *Epicyptha*, 265  
*scatopsiformis* STROBL, *Nowakia*, 261  
*scatopsoides* WALKER, *Azana*, 233  
*Sceptonia* WINNERTZ, 289  
*schamili* RUBZOV, *Odagmia*, 170

- scherfi PLASSMANN, Bolitophila, 196  
 schielei ENDERLEIN, Cnetha, 146  
 schineri (KIEFFER), Nilobezzia, 14  
 schineri GOETGHEBUER, Palpomyia, 22  
 Schizohelea KIEFFER, subg., 36  
 Schizohelea KIEFFER, 36  
 schmidti MARTINOVSKÝ et ROZKOŠNÝ, Thaumalea, 191  
 schmidti GOETGHEBUER, Palpomyia, 23  
 schmitzi LANDROCK, Anatella, 304  
 schnablii (DZIEDZICKI), Mycetophila, 275  
 schoenbaueri (ENDERLEIN), Cleitosimulium, 175  
 Schoenbaueria ENDERLEIN, 152  
 schultzei (ENDERLEIN), Culicoides, 63  
 schummeli STANNIUS, Mycetophila, 326  
 sciaraeformis OKADA, Zelmira, 210  
 sciarina STAEGER, Boletina, 247  
 sciarina (MEIGEN), Docosia, 255  
 sciarina MIK, Paratania, 236  
 sciniphes KIEFFER, Culicoides, 70  
 Sciophila MEIGEN, 238  
 SCIOPHILINAE, 221  
 SCIOPHILINI, 231  
 scirpi KIEFFER, Sergomyia, 36  
 scopulosa BECKER, Rymosia, 324  
 Scotella ENDERLEIN, 253  
 scotica EDWARDS, Mycetophila, 276  
 scoticus DOWNES et KETTLE, Culicoides, 52  
 scutellaris KIEFFER, Dasyhelea, 85  
 scutellata (MEIGEN), Dasyhelea, 83  
 scutellata GOETGHEBUER, Stilobezzia, 39  
 sebessi REMM, Atrichopogon, 89  
 Sebessia REMM, subg., 73  
 Sebessia REMM, 73  
 secunda BARANOV, Odagmia, 170  
 secunda BARANOV, ssp., Odagmia, 169  
 secunda BARANOV, Wilhelmia, 157  
 secundum (BARANOV), Eusimulium, 150  
 securiforme RUBZOV, Eusimulium, 152  
 sedecimfistulata RUBZOV, Greniera, 127  
 sedecimfistulata RUBZOV, Metacnephia, 130  
 sedecimfistulata (RUBZOV), Twinnia, 116  
 seducta PLASSMANN, Exechia, 314  
 segnisi CAMPBELL et PELHAM-CLINTON, Culicoides, 64  
 seguisina COUVERT, Obuchovia, 160  
 seguyi VAILLANT, Thaumalea, 191  
 seimi SHEVCHENKO, Culicoides, 52  
 seifadinei DZHAFAROV, Culicoides, 53  
 selecta (WALKER), Epicypta, 265  
 selecta WINNERTZ, Platyura, 210  
 semiatrata DZIEDZICKI, Phronia, 287  
 semicincta MEIGEN, Mycetophila, 270  
 semiensis REMM, Atrichopogon, 87  
 semiermis GOETGHEBUER, Palpomyia, 23  
 semiflava (MEIGEN), Brevicornu, 308  
 semiflava (STAEGER), Cordyla, 310  
 semifumosa GOETGHEBUER, Palpomyia, 19  
 semifusca MEIGEN, Mycetophila, 276  
 semimaculatus CLASTRIER, Culicoides, 64  
 seminigra (PANZER), Probezia, 12  
 seminitidus GOETGHEBUER, Atrichopogon, 90  
 semirufa (MEIGEN), Isoneuromyia, 202  
 semirustica REMM, Forcipomyia, 102  
 semistriata GOETGHEBUER, Dasyhelea 75  
 seneveti KIEFFER, Forcipomyia, 98  
 seneveti CLASTRIER, Palpomyia, 23  
 senex LACKSHEWITZ, Phronia, 282  
 [senile BRUNETTI, Simulium, 185]  
 Sensiculicoides SHEVCHENKO, 47  
 sensillatus MIRZAJEVA, Culicoides, 64  
 sensualis KIEFFER, Dasyhelea, 76  
 separata LUNDSTRÖM, Exechia, 314  
 septemtrionale ENDERLEIN, Simulium, 178  
 septemtrionalis OKADA, ssp., Cerotelion, 201  
 septemtrionalis (OKADA), Mycetophila, 276  
 septentrionalis HACKMAN, Allodia, 298  
 septentrionalis TAN et CHOW, Odagmia, 170  
 sepulta (LAFFOON), Mycetophila, 276  
 sequestra PLASSMANN, Mycetophila, 276  
 serbica WAGNER, Thaumalea, 191  
 serbicum (BARANOV), Eusimulium, 152  
 serbicum: RUBZOV, Eusimulium, 152  
 serenum (WINNERTZ), Brevicornu, 308  
 sergenti KIEFFER, Bezzia, 32  
 sergenti (KIEFFER), Culicoides, 64  
 sergenti CLASTRIER, Forcipomyia, 98  
 sergenti (EDWARDS), Wilhelmia, 157  
 seriata (MEIGEN), Exechia, 314  
 sericata (MEIGEN), Boophthora, 159  
 sericata (WINNERTZ), Dasyhelea, 83  
 sericatoides ZILAH-SEBESS, Dasyhelea, 83  
 sericea MACQUART, Mycetophila, 280  
 sericeum (LINNAEUS), Simulium, 183  
 sericoma (MEIGEN), Brevicornu, 308  
 serpentina LUNDSTRÖM, Exechia, 311  
 serrata WINNERTZ, Exechia, 314  
 serrata EDWARDS, Thaumalea, 191  
 serripes (MEIGEN), Palpomyia, 23  
 serristernum REMM, Dasyhelea, 83  
 Serromyia MEIGEN, 34  
 serrulatus KIEFFER, Atrichopogon, 86  
 servulum (WALKER), Antlemon, 200  
 sesioides (WAHLBERG), Keroplatus, 203  
 setiger GOETGHEBUER, Culicoides, 68  
 [setiger JOHANNSEN, Neoplathyura, 204]

- setiger DZIEDZICKI, Rymosia, 324  
 setigera EDWARDS, Anatella, 304  
 setigera (LOEW), Mallochohelea, 14  
 setigera (LUNDSTRÖM), Syntenna, 241  
 setigera (OSTROVERKHOVA), Trichonta, 295  
 setipennis (HOLMGREN), Coelosia, 249  
 setoensis TOKUNAGA, Dasyhelea, 83  
 setoensis (TOKUNAGA), Nilobezzia, 15  
 setosa REMM, Bezzia, 32  
 setosa LANDROCK, Docosia, 255  
 setosa OSTROVERKHOVA, Exechiopsis, 319  
 setosa BARENDRECHT, Zygomyia, 296  
 setosinervis KIEFFER, Culicoides, 50  
 setosipennis (KIEFFER), Atrichopogon, 86  
 [setosipennis KIEFFER, Jenkinshalea, 11]  
 setosus GUTSEVICH, Culicoides, 56  
 sevanensis (RUBZOV et TERTERJAN), ssp., Odagmia, 165  
 sevanica REMM, Bezzia, 27  
 sevanicus REMM, Ceratopogon, 45  
 severinensis DINULESCU, ssp., Wilhelmia, 155  
 sexafilis RUBZOV, Odagmia, 170  
 sexcornutus BOBROVA, Gymnopais, 115  
 sexstrigata REMM, Bezzia, 26  
 shachbuzicum DJAFAROV, Simulium, 182  
 shadini (RUBZOV), Montisimulium, 139  
 shahgudiani NAVAI, Culicoides, 64  
 shaklawensis KHALAF, Culicoides, 64  
 sharpi EDWARDS, Kolenohalea, 40  
 sharpi EDWARDS, Sciophila, 239  
 sheveligiense (RUBZOV et VILOVITSH), Montisimulium, 139  
 shevtshenkovae RUBZOV, Simulium, 185  
 shevyakovi (DOROGOSTAJSKY, RUBZOV et VLA-SENKO), Montisimulium, 139  
 shibuyai (TOKUNAGA), Mallochohelea, 14  
 shiitakevora OKADA, Exechia, 315  
 shimai (SASAKI), Culicoides, 67  
 shirakii KONO et TAKAHASI, Simulium, 185  
 shogakii TOKUNAGA, Alluaudomyia, 41  
 shogakii (RUBZOV), Gomphostilbia, 136  
 shutovae (RUBZOV), ssp., Cnetha, 144  
 sibirica OSTROVERKHOVA, Boletina, 247  
 sibirica OSTROVERKHOVA, Brachypeza, 306  
 sibirica OSTROVERKHOVA, Docosia, 255  
 sibirica OSTROVERKHOVA, Exechia, 315  
 sibirica (BUJANOVA), Forcipomyia, 96  
 sibirica (PLOTNIKOVA), Mycetophila, 276  
 sibirica OSTROVERKHOVA, Neoclastobasis, 261  
 sibirica OSTROVERKHOVA, Phronia, 286  
 sibirica: RUBZOV, Stegopterna, 125  
 sibiricum (ENDERLEIN), Prosimulium, 122  
 sibiricus MIRZAJEVA, Culicoides, 69  
 sicana RIVOSECCHI, Odagmia, 170  
 sicarti CLASTRIER, Bezzia, 25  
 sicutensis REMM, Atrichopogon, 90  
 sicula RONDANI, Fungina, 248  
 siebecki (LANDROCK), Mycomya, 228  
 siebecki DZIEDZICKI, Phronia, 287  
 sieberti KIEFFER, Bezzia, 27  
 sieberti (LANDROCK), Mycomya, 228  
 sigaensis TOKUNAGA, Culicoides, 51  
 sigillata DZIEDZICKI, Mycetophila, 276  
 sigmoides LOEW, Mycetophila, 276  
 signata (MEIGEN), Bezzia, 32  
 signata (MEIGEN), Isoneuromyia, 202  
 signata MEIGEN, Mycetophila, 276  
 signata WINNERTZ, Phronia, 281  
 signata: WINNERTZ, 276  
 signatipes (VAN DER WULP), Rymosia, 324  
 signatoides DZIEDZICKI, Mycetophila, 276  
 silacea (VAN DER WULP), Allocotocera, 232  
 silesiacus KIEFFER, Atrichopogon, 93  
 silestiae (KIEFFER), Forcipomyia, 97  
 silvatica (LANDROCK), Allodia, 299  
 silvatica DZIEDZICKI, Boletina, 247  
 silvatica LANDROCK, Coelosia, 249  
 silvatica LANDROCK, Macrocera, 216  
 silvatica PLOTNIKOVA, Sciophila, 240  
 Silvaticulicoides GLUKHOVA, 48  
 silvaticum RUBZOV, Eusimulium, 152  
 silvestris (RUBZOV), Cnetha, 146  
 silvicola (GOETGHEBUER), Mallochohelea, 14  
 simici (ZIVKOVITICH), Cleitosimulium, 175  
 similaris REMM, Dasyhelea, 83  
 similina STROBL, Nowakia, 261  
 similis CARTER, INGRAM et MACFIE, Culicoides, 64  
 similis LANDROCK, Docosia, 255  
 similis LAŠTOVKA et MATILE, Exechia, 315  
 similis GOETGHEBUER, Monohelea, 73  
 similis (SANTOS ABREU), Mycetophila, 276  
 similis WINNERTZ, Platyura, 210  
 similis RUBZOV, Simulium, 185  
 simoffi ENDERLEIN, Odagmia, 170  
 simpatica DZIEDZICKI, Anatella, 304  
 simplex BUKOWSKI, Brachypeza, 306  
 simplex (GRZEGORZEK), Neoplatyura, 205  
 simplex WINNERTZ, Trichonta, 294  
 simplex STROBL, Zygomyia, 296  
 simpliradialis TOKUNAGA, Dasyhelea, 83  
 simulans VIMMER, Culicoides, 73  
 simulans RUBZOV, Simulium, 185  
 simulator EDWARDS, Culicoides, 64  
 simulatrix (LACKSCHEWITZ), Allodiopsis, 301  
 Simulia MEIGEN, 175



## SIMULIIDAE, 114

## SIMULIINAE, 125

*Simulium* LATREILLE, 175

*Simulium* LATREILLE, subg., 180

*sinanoensis* TOKUNAGA, *Culicoides*, 53

*sinanoensis* TOKUNAGA, *Palpomyia*, 23

*sinensis* ENDERLEIN, *Boophthora*, 159

*singularis* (KIEFFER), *Atrichopogon*, 90

*singularis* (SANTOS ABREU), *Ceratopogon*, 43

*sinteni* (LACKSCHEWITZ), *Allodiopsis*, 301

*sinteni* LACKSCHEWITZ, *Neuratelia*, 236

*sintrensis* CAMBOURNAC, *Culicoides*, 52

*sinuata* FREEMAN, *Phronia*, 287

*sitinoensis* OKADA, *Culicoides*, 59

*Sivabezzia* REMM, subg., 29

*Sivabezzia* REMM, 25

*sivashica* REMM, *Bezzia*, 32

*sixi* (BARENDRECHT), *Cordyla*, 310

*slepjani* (RUBZOV), *Metacnephia*, 130

*slovacus* ORSZÁGH, *Culicoides*, 53

*slovakensis* RUBZOV, ssp., *Odagmia*, 171

*sobria* (WALKER), *Brevicornu*, 309

[*sobria* GAGNÉ, *Trichonta*, 294]

*sociabilis* (GOETGHEBUER), *Ceratopogon*, 46

*sogdianus* GUTSEVICH, *Culicoides*, 64

*soikái* HARANT, W. HUTTEL et N. HUTTEL, *Dicrobezzia*, 34

*solstitialis* (WINNERTZ), *Bezzia*, 27

*sordida* VAN DER WULP, *Mycetophila*, 276

*sordida* (WINNERTZ), *Sciophila*, 240

*sorkulensis* RUBZOV, *Metacnephia*, 130

*sororcula* LACKSCHEWITZ, *Exechia*, 315

*sororcula* (ZETTERSTEDT), *Mycomya*, 228

*spathulatum* (LUNDSTRÖM), *Brevicornu*, 308

*speciosa* WINNERTZ, *Exechia*, 316

*specularifrons* ENDERLEIN, *Odagmia*, 170

*speculiger* NIELSEN, *Atrichopogon*, 90

*spectabilis* WINNERTZ, *Mycetophila*, 276

*speleicola* TOLLET, *Bolitophila*, 196

*Speolepta* EDWARDS, 252

*Sphaerobezzia* ZILAHÍ-SEBESS, 14

*Sphaeromyias* CURTIS, 15

## SPHAEROMIINI, 11

*sphagnalis* KIEFFER, *Atrichopogon*, 90

*sphagnicola* KIEFFER, *Forcipomyia*, 105

*sphagnorum* KIEFFER, *Forcipomyia*, 104

*sphagnumensis* WILLIAMS, *Culicoides*, 69

*sphagonicola* (KIEFFER), *Ceratopogon*, 43

*sphagnophila* KIEFFER, *Forcipomyia*, 107

*spicata* PLOTNIKOVA, *Exechia*, 314

*spinata* VAILLANT, *Thaumalea*, 191

*spinicoxa* (ZETTERSTEDT), *Brevicornu*, 309

*spinicoxa* VÄISÄNEN, *Mycomya*, 228

*spinifera* GOETGHEBUER, *Bezzia*, 30

*spinifera* ZAITZEV, *Ditomya*, 198

*spiniforceps* MATILE, *Rymosia*, 324

*spiniger* REMM, *Ceratopogon*, 46

*spinigera* EDWARDS, *Bolitophila*, 194

*spinigera* WINNERTZ, *Exechia*, 315

*spinigera* HACKMAN, *Phronia*, 287

*spinimanum* SASAKAWA et KIMURA, *Dynatosoma*, 264

*spinipes* (PANZER), *Palpomyia*, 23

*spinipes* STROBL, *Rymosia*, 327

*spinipes* WINNERTZ, *Rymosia*, 327

*spiniventris* TOKUNAGA, *Atrichopogon*, 94

*spinosa* TOKUNAGA, *Bezzia*, 30

*spinosa* BUKOWSKI, *Exechia*, 311

*spinosa* MATILE, *Neuratelia*, 236

*spinosa* (DOBY et DEBLOCK), *Odagmia*, 170

*spinosa* SASAKAWA, *Phthiria*, 237

*spinosa* LUNDSTRÖM, *Trichonta*, 294

*spinosidorsum* KIEFFER, *Probezzia*, 13

*spiniosior* KIEFFER, *Palpomyia*, 23

*spinosipes* KIEFFER, *Serromyia*, 36

*spinosissima* KIEFFER, *Palpomyia*, 20

*spinosula* CLASTRIER, *Bezzia*, 30

*spinosula* TOLLET, *Diadocidia*, 211

*spinuligera* LUNDSTRÖM, *Exechia*, 315

*spiralis* REMM, *Dasyhelea*, 79

*splendida* (WINNERTZ), *Alluaudomyia*, 41

*splendida* WINNERTZ, *Polylepta*, 237

*splendium* RUBZOV, *Simulium*, 176

*spuria* (EDWARDS), *Pseudobrachypeza*, 321

*squalida* WINNERTZ, *Phronia*, 286

*squamiticrus* (KIEFFER), *Forcipomyia*, 104

*squamigera* KIEFFER, *Forcipomyia*, 107

*squamipes* (COQUILLET), *Forcipomyia*, 107

*stackelbergi* DZHAFAROV, *Culicoides*, 62

*stackelbergi* OSTROVERKHOVA, *Boletina*, 248

*stackelbergi* (RUBZOV), *Montisimulium*, 140

*Stageria* VAN DER WULP, 235

*stagetus* LEE, *Culicoides*, 64

*stagnalis* KIEFFER, *Bezzia*, 27

*stagnalis* CLASTRIER, *Palpomyia*, 20

*stancicus* SHEVCHENKO, *Culicoides*, 64

*stecki* (KIEFFER), *Monohelea*, 37

*stefanii* CONTINI, *Urosimulium*, 125

*Stegopterna* ENDERLEIN, 125

*stegostyla* (RUBZOV), *Sulcinephia*, 132

*stellata* REMM, *Dasyhelea*, 75

*stenopalpe* RUBZOV, *Prosimulium*, 119

*stenophallum* (TERTERJAN), *Odagmia*, 170

*stenoptera* REMM, *Jenkinshelea*, 11

*stenostyla* RUBZOV et CARLSSON, *Odagmia*, 164

*stephensi* CARTER, *Culicoides*, 50

- stepicola* REMM, *Culicoides*, 64  
*stereana* EDWARDS, *Trichonta*, 292  
*sternalis* REMM, *Dasyhelea*, 83  
*[stevensoni (EDWARDS), Odagmia, 170]*  
*stigma (MEIGEN), Culicoides, 71*  
*stigma* CURTIS, *Macrocera*, 216  
*stigmatella* VAN DER WULP, *Leia*, 258  
*stigmaticus* KIEFFER, *Culicoides*, 73  
*Stigmatomeria* TUOMIKOSKI, subg., 308  
*Stigmatomeria* TUOMIKOSKI, 306  
*stigmoides* CALLOT, KREMER et DEDUIT, *Culicoides*, 71  
*stigmoides* EDWARDS, *Macrocera*, 216  
*Stilobezzia* KIEFFER, 38  
*Stilobezzia* KIEFFER, subg., 38  
**STILOBEZZIINI, 37**  
*stimulea* PLASSMANN, *Anatella*, 304  
*stolida* WALKER, *Mycetophila*, 276  
*storai* VÄISÄNEN, *Mycomya*, 228  
*strelkovi (RUBZOV), Cnetha, 146*  
*strenua* WINNERTZ, *Phronia*, 284  
*strenuiformis* OSTROVERKHOVA, *Phronia*, 287  
*streptomera* REMM, *Alluaudomyia*, 42  
*striata* BUKOWSKI, *Brachypeza*, 306  
*striata (GMELIN), Cerotelion, 201*  
*striata (FABRICIUS), Mycetophila, 270*  
*striata (MEIGEN), Neoempheria, 231*  
*striata (OKADA), Protothaumalea, 188*  
*striatocornis (KIEFFER), Forcipomyia, 107*  
*striatipennis* STROBL, *Macrocera*, 217  
*Striatosimulium* RUBZOV et YANKOVSKY, subg., 178  
*Striatosimulium* RUBZOV et YANKOVSKY, 175  
*strigata* STAEGER, *Mycetophila*, 277  
*strigata: DZIEDZICKI, 277*  
*strigatoides (LANDROCK), Mycetophila, 277*  
*strigosa* OSTROVERKHOVA, *Allodia*, 298  
*strigosa* OSTROVERKHOVA, *Coelosia*, 249  
*strigosa* KIEFFER, *Dasyhelea*, 78  
*strigula* CLASTRIER, *Bezzia*, 32  
*strobli* KIEFFER, *Bezzia*, 33  
*strobli* KIEFFER, *Dasyhelea*, 75  
*strobli* LANDROCK, *Leia*, 258  
*strobli* LAŠTOVKA, *Mycetophila*, 277  
*[stygius* SKUSE, *Leptoconops*, 111]  
*stylata* LAŠTOVKA et MATILE, *Exechiopsis*, 320  
*stylata* OSTROVERKHOVA, *Exechiopsis*, 319  
*stylata (DZIEDZICKI), Mycetophila, 277*  
*stylata* HUTSON, *Syntenna*, 241  
*stylata* BARANOV, *Wilhelmia*, 157  
*stylatiformis* LANDROCK, *Mycetophila*, 277  
*stylifera (GRZEGORZEK), Grzegorzekia, 251*  
*styliforceps (BUKOWSKI), Cordyla, 310*  
*styriaca* STROBL, *Exechia*, 315  
*subaequalis* KIEFFER, *Dasyhelea*, 79  
*subafricana (BECKER), Thaumalea, 191*  
*subalpina (RUBZOV), Metacnephia, 130*  
*subartica* VÄISÄNEN, *Mycomya*, 228  
*subauronitens* TOKUNAGA, *Forcipomyia*, 96  
*subcostata (DJAFAROV), Cnetha, 142*  
*subcostata (TAKAHASHI), Cnetha, 146*  
*suberis* CLASTRIER, *Forcipomyia*, 102  
*subexcisum (EDWARDS), Boreosimulium, 133*  
*subdiscoloria* MATILE, *Platyura*, 207  
*subfasciata (MEIGEN), Leia, 259*  
*subfasciatus (MEIGEN), Byssodon, 134*  
*subfasciipennis* KIEFFER, *Culicoides*, 65  
*subfascipennis* GOETGHEBUER, emend., 65  
*subfusca* LUNDSTRÖM, *Trichonta*, 294  
*subfrigida* LAŠTOVKA et MATILE, *Exechia*, 315  
*subgrisea (RUBZOV), Nevermannia, 149*  
*subgrisescens* DZHAFAROV, *Culicoides*, 62  
*subincana (CURTIS), Apolephthisa, 242*  
*subinermis* KIEFFER, *Serromyia*, 36  
*sublacustre* DAVIES, *Simulium*, 185  
*sublatifrontis* SMATOV et ISIMBEKOV, *Culicoides*, 65  
*submaculata (STAEGER), Trichonta, 294*  
*submaritimus* DZHAFAROV, *Culicoides*, 60  
*submorsitans (SÉGUY), Eusimulium, 152*  
*submorsitans* RUBZOV, *Simulium*, 180  
*submurina* REMM, *Forcipomyia*, 97  
*subneglectus* VIMMER, *Culicoides*, 65  
*subnigra* TOKUNAGA, *Forcipomyia*, 104  
*subornatoides* RUBZOV, *Simulium*, 179  
*subornatum* EDWARDS, *Simulium*, 177  
*subpusilla (RUBZOV), Schoenbaueria, 154*  
*subsaltans* REMM, *Forcipomyia*, 100  
*subsylvatica* HACKMAN, *Phronia*, 287  
*[subravus* CORNET et CHATEAU, *Culicoides*, 63]  
*subsessilis* GOETGHEBUER, *Neurohelea*, 34  
*subsultans* SCHRANK, *Tipula*, 110  
*subsylvanum* REMM, *Culicoides*, 65  
*subtibbelesi* ONO, *Twinnia*, 116  
*subtile* RUBZOV, *Simulium*, 177  
*subtrifasciata (STROBL), Leia, 260*  
*subulata (WINNERTZ), Exechiopsis, 319*  
*suburbana* OSTROVERKHOVA, *Mycetophila*, 277  
*subvariegatum (RUBZOV), Gnus, 163*  
*subviridis* MACFIE, *Stilobezzia*, 38  
*succincta (MEIGEN), Orfelia, 206*  
*succinotus* MEIGEN, *Ceratopogon*, 34  
*sudetica* LANDROCK, *Macrocera*, 217  
*sudetica* DZIEDZICKI, *Phronia*, 287  
*sugiyamai (TOKUNAGA), Probezzeria, 13*  
*sulcata (RUBZOV), Sulcicnephia, 132*

- Sulcinephia* RUBZOV, 131  
*sulfurea* KIEFFER, Forcipomyia, 97  
*sulfuricola* RIVOSECCHI, ssp., *Wilhelmia*, 156  
*sumavica* (LAŠTOVKA), *Mycetophila*, 277  
*summatis* VOCKEROTH, *Macrocera*, 217  
 [superba GAGNÉ, *Trichonta*, 294]  
*superba* OSTROVERKHOVA, *Trichonta*, 294  
*supposita* (STROBL), *Mycomya*, 222  
*susae* KIEFFER, *Culicoides*, 61  
*susunai* REMM, *Ceratopogon*, 46  
*suzonae* SCHMID, *Thaumalea*, 191  
*suzuki* RUBZOV, *Simulium*, 177  
*sylvarum* CALLOT et KREMER, *Culicoides*, 65  
*sylvatica* DZIEDZICKI, *Phronia*, 287  
*sylvatica* (CURTIS), *Tetragoneura*, 262  
*sylvaticus* (WINNERTZ), *Atrichopogon*, 86  
*Symmerus* WALKER, 198  
*Synapha* MEIGEN, 253  
*Syntemna* WINNERTZ, 240  
*Synthyridomyia* SAUNDERS, subg., 97  
*Synthyridomyia* SAUNDERS, 94  
*syrdarjensis* RUBZOV, *Sulcinephia*, 132  
*sytshevskiae* (RUBZOV), *Montisimulium*, 140  
*szegeedensis* ZILAHÍ-SEBESS, *Dasyhelea*, 85  
*sziladyi* ZILAHÍ-SEBESS, *Dasyhelea*, 75
- tabescensifrons* (ENDERLEIN), *Metacnephia*, 130  
*tacobi* CHUBAREVA et PETROVA, *Levitinia*, 116  
*taczanowskyi* DZIEDZICKI, *Phronia*, 287  
*tadsignata* REMM, *Bezzia*, 32  
*tadzhikistanicus* ZHOGOLEV, *Culicoides*, 65  
*taeniata* (HALIDAY), *Bezzia*, 27  
*taeniata* (WINNERTZ), *Isoneuromyia*, 202  
*taeniata* MEIGEN, *Mycetophila*, 326  
*Taeniopterna* ENDERLEIN, 118  
*taimyrica* PATRUSHEVA, *Metacnephia*, 130  
*taipei* SHIRAKI, *Eusimulium*, 152  
*taivoi* REMM, *Ceratopogon*, 46  
*tajimaensis* OKADA, *Exechia*, 315  
*takagii* SASAKAWA et KIMURA, *Boletina*, 247  
*takagii* TOKUNAGA, *Forcipomyia*, 101  
*takagii* SASAKAWA, *Megophthalmidia*, 261  
*takahasii* RUBZOV, *Wilhelmia*, 157  
*łalgariensis* GUTSEVICH et SMATOV, *Culicoides*, 65  
*tamaricis* REMM, *Palpomyia*, 17  
*tantilla* (LOEW), *Mycomya*, 228  
*tarbagataica* RUBZOV, *Odagmia*, 171  
*tarda* (LOEW), *Protothaumalea*, 188  
*Tarnania* TUOMIKOSKI, 325  
*tarnanii* (DZIEDZICKI), *Tarnania*, 325  
*tarnogradskii* RUBZOV, *Simulium*, 185  
*tarsalis* KIEFFER, *Dasyhelea*, 85  
*tarsata* MAYER, *Bolitophila*, 196  
*tarsata* STAEGER, *Mycetophila*, 327  
*tarsata* WINNERTZ, *Mycetophila*, 274  
*tarsata* (WINNERTZ), *Necempheria*, 231  
*tarsata* (ZETTERSTEDT), *Palpomyia*, 23  
*tarsata* (STAEGER), *Phronia*, 281  
*tatiana* BODROVA, *Montisimulium*, 140  
*tatrensis* NOVAK, *Twinnia*, 116  
*tatrica* VAILLANT, *Thaumalea*, 191  
*tatricus* REMM, *Atrichopogon*, 90  
*taurica* (RUBZOV), *Cnetha*, 146  
*taurica* REMM, *Dasyhelea*, 79  
*taurica* (STROBL), *Mycomya*, 228  
*tauricus* GUTSEVICH, *Culicoides*, 53  
*tbiliscus* DZHAFAROV, *Culicoides*, 65  
*teclicola* REMMERT, *Dasyhelea*, 78  
*Telmaphilus* BECKER, 280  
*tenebricosa* GOETGHEBUER, *Bezzia*, 31  
*tenella* WINNERTZ, *Bolitophila*, 194  
*tenella* (ZETTERSTEDT), *Coelosia*, 249  
*tenerifensis* CLASTRIER, *Dasyhelea*, 78  
*teniumanus* ENDERLEIN, *Simulium*, 177  
*tentorius* AUSTEN, *Culicoides*, 65  
*tenuicornis* VAN DER WULP, *Exechiopsis*, 317  
*tenuiforceps* CLASTRIER, *Bezzia*, 28  
*tenuifrons* ENDERLEIN, *Simulium*, 185  
*tenuimaculata* SANTOS ABREU, *Exechia*, 315  
*tenuipes* BECKER, *Antlemon*, 200  
*tenuis* (WINNERTZ), *Forcipomyia*, 107  
*tenuis* (WALKER), *Mycomya*, 229  
*tenuis* WINNERTZ, *Phronia*, 287  
*tenuis* EDWARDS, *Sceptonia*, 290  
*tenuis* (WINNERTZ), *Sciophila*, 240  
*tenuisquama* KIEFFER, *Forcipomyia*, 107  
*tenuitarsus* (RUBZOV), *Nevermannia*, 149  
*tenuitarsus* BARANOV, *Odagmia*, 164  
*tenuivittata* SANTOS ABREU, *Rymosia*, 324  
*terminalis* KIEFFER, *Palpomyia*, 22  
*terminalis* (MEIGEN), *Rondaniella*, 262  
*terminalis* (WALKER), *Trichonta*, 294  
*terminasjanae* (TERTERJAN), *Obuchovia*, 160  
*terrea* (MEIGEN), *Palpomyia*, 24  
*terterjani* (RUBZOV), *Metacnephia*, 130  
*tertia* BARANOV, *Wilhelmia*, 157  
*tesselata* (ZETTERSTEDT), *Monohalea*, 37  
*tessicola* REMM, *Dasyhelea*, 83  
*testacea* (MACQUART), *Thaumalea*, 191  
*testacea* RUTHÉ, *Thaumalea*, 191  
*testacea*: authors; error, 289  
*testaceus* (DALMAN), *Keroplatus*, 203  
*testata* (EDWARDS), *Platurocypta*, 288  
*Tetisimulium* RUBZOV, 172  
*tetraginata* (RUBZOV), *Metacnephia*, 130  
*Tetragoneura* WINNERTZ, 262

- tetrastica* (KIEFFER), Ceratopogon, 110  
*thalhammeri* ZILAH-SEBESS, Thaumalea, 191  
 Thaumalea RUTHÉ, 188  
 THAUMALEIDAE, 186  
*Thaumalia*, error, 188  
*theodori* MATILE, Asindulum, 201  
*thibaulti* (NEVEU), Stilobezzia, 39  
*thienemanni* KIEFFER, Atrichopogon, 90  
*thienemanni* (MAYER), Ceratopogon, 46  
*thienemanni* SPATARU et DAMIAN-GEORGESCU, Dasyhelea, 75  
*thienemanni* KIEFFER, Forcipomyia, 110  
*thomasi* VAILLANT, Thaumalea, 191  
*thoracica* (WINNERTZ), Coelophthiria, 248  
*thoracia* OKADA, Diadocidia, 211  
*thoracia* (DZIEDZICKI), Sciophila, 238  
*thoracica* STAEGER, Sciophila, 240  
*thoracium* (ZETTERSTEDT), Dynatosoma, 264  
*Thyridomyia* SAUNDERS, subg., 98  
*Thyridomyia* SAUNDERS, 94  
*tianshanica* REMM, Mallochohelea, 14  
 [tiblesi STONE et JAMNBACK, Twinnia, 115]  
*tiberghieni* NEVEU, Alluaudomyia, 42  
*tibetensis* CHU, Culicoides, 53  
*tibetensis* LEE, Leptoconops, 113  
*tibialis* REMM, Forcipomyia, 108  
*tibialis* (MACQUART), Odagmia, 171  
*tibialis* (MEIGEN), Palpomyia, 24  
*tibialis* SASAKAWA, Tetragnoneura, 262  
*tiefii* STROBL, Mycetophila, 277  
*tiefii* DZIEDZICKI, Phronia, 287  
*tiefii* STROBL, Rymosia, 325  
*tienschanica* REMM, Forcipomyia, 108  
*tigalatensis* (SANTOS ABREU), Culicoides, 85  
*tiiveli* REMM, Ceratopogon, 46  
*timondavidi* (GIUDICELLI), Cnetha, 146  
*tinctipennis* KIEFFER, Palpomyia, 24  
*tinia* KRIVOSHEINA, Forcipomyia, 108  
*tipulaeformis* OKADA, Phthiria, 237  
*tipuloides* BOSC, Keroplatus, 203  
*tiroliensis* PLASSMANN, Boletina, 247  
*Titanopteryx* ENDERLEIN, 133  
*titillans* (WINNERTZ), Forcipomyia, 100  
*tjanschanicum* (RUBZOV), Cleitosimulium, 175  
*tobaensis* TOKUNAGA, Culicoides, 53  
*tobetsuense* ONO, Simulium, 185  
*tohokuensis* OKADA, Culicoides, 65  
*tokarensis* (TAKAOKA), Gomphostilbia, 136  
*tokunagai* ARNAUD, Culicoides, 65  
*tokunagai* (OKA et ASAHINA), Forcipomyia, 95  
*tokunagai* DAS GUPTA et WIRTH, Stilobezzia, 38  
*tolleti* BURGHELE-BALACESCO, Rymosia, 325  
*tomensis* (PLOTNIKOVA), Mycetophila, 272  
*tomosvaryi* (ENDERLEIN), Prosimulium, 122  
*tonnoiri* (GOETGHEBUER), Forcipomyia, 96  
*tontoeguri* (HAVELKA), Ceratoculicoides, 46  
*torgnyensis* GOETGHEBUER, Atrichopogon, 90  
*torquata* MATILE, Epicypta, 265  
*toscanica* VAILLANT, Thaumalea, 191  
*towadaensis* OKADA, Culicoides, 50  
*toyamaruae* ARNAUD, Culicoides, 69  
*trabeata* ENDERLEIN, Cnetha, 146  
*trabeatum*: RUBZOV, Eusimulium, 151  
*transbaikalica* (RUBZOV), Schoenbaueria, 154  
*transcaspica* (ENDERLEIN), Obuchovia, 160  
*transcaspicus* MOLOTOVA, Culicoides, 60  
*transcaucasica* RUBZOV, Wilhelmia, 157  
*transfuga* (STAEGER), Bezzia, 32  
*transiens* (RUBZOV), Parabysosodon, 136  
*transitiva* REMM, Bezzia, 27  
*transversalis* KIEFFER, Atrichopogon, 90  
*transversalis* (KIEFFER), Leptoconops, 113  
 [travisi STONE, Prosimulium, 123]  
*trebevicensis* STROBL, Boletina, 244  
*tredecimata* (EDWARDS), Metacnephia, 130  
*tredecimfistulatum* RUBZOV, Prosimulium, 123  
*triaculeata* OSTROVERKHOVA, Mycetophila, 277  
*triangulans* SHEVCHENKO, Culicoides, 65  
*triangulare* RUBZOV, ssp., Simulium, 178  
*triangularis* (STROBL), Allodia, 299  
*triangularis* LUNDSTRÖM, Mycetophila, 277  
*triangularis* WINNERTZ, Phronia, 288  
*triangulata* EDWARDS, Bolitophila, 196  
*triangulata* DZIEDZICKI, Mycetophila, 277  
*Trichohelea* GOETGHEBUER, subg., 95  
*Trichohelea* GOETGHEBUER, 94  
*Trichonta* WINNERTZ, 290  
*trichoptera* (MEIGEN), Forcipomyia, 103  
*tricrena* (RUBZOV et CARLSSON), Cnetha, 146  
*tricuspidata* (STROBL), Leia, 260  
*tricuspis* TJEDER, Thaumalea, 191  
*tridens* (LUNDSTRÖM), Mycomya, 229  
*tridentata* LUNDSTRÖM, Mycetophila, 277  
*tridentatum* RUBZOV, Prosimulium, 123  
*trifasciata* KIEFFER, Dasyhelea, 85  
*trifasciata* WINNERTZ, Ditomyia, 198  
*trifasciata* (CURTIS), Odagmia, 168  
*trifasciatus* KIEFFER, Atrichopogon, 92  
*trifida* (OSTROVERKHOVA), Mycomya, 229  
*trifida* LUNDSTRÖM, Trichonta, 295  
*trifistulatus* RUBZOV, Gymnopsis, 115  
*trigonia* (LUNDSTRÖM), Metacnephia, 131  
*trilineata* GOETGHEBUER, Forcipomyia, 108  
*trilineata* ZETTERSTEDT, Gnoriste, 250  
*trilineata* (ZETTERSTEDT), Mycomya, 229  
*trilineata* RUBZOV, Odagmia, 171

- trilobata* KIEFFER, Bezzia, 33  
*trilobata* OSTROVERKHOVA, Pseudexechia, 321  
*trimaculata* STROBL, Leia, 258  
*trimaculata* MACQUART, Mycetophila, 327  
*trinitata* STAEGER, Mycetophila, 277  
*trinitata*: WINNERTZ, 289  
*tripunctatus* VIMMER, Culicoides, 71  
*triseriata* (BUKOWSKI), Mycetophila, 278  
*triseta* OSTROVERKHOVA, Exechia, 315  
*triseta* (TOLLET), Exechiopsis, 319  
*triseta* OSTROVERKHOVA, Trichonta, 294  
*Trishelea* KIEFFER, 42  
*trispinata* (EDWARDS), Pseudexechia, 321  
*trispina* (RUBZOV), Metacnephia, 131  
*trispinosa* EDWARDS, Boletina, 247  
*trispinosa*, error, 295  
*tristis* (MEIGEN), Ceratopogon, 110  
*tristis* (LUNDSTRÖM), Orfelia, 206  
*tristis* STROBL, Phronia, 288  
*tristis* MATILE, Rymosia, 325  
*tristriata* (STACKELBERG), Pseudexechia, 321  
*tristrigata* (ENDERLEIN), Cnetha, 146  
*Trithecoides* WIRTH et HUBERT, subg., 48  
*Trithecoides* WIRTH et HUBERT, 48  
*tritomus* KIEFFER, Atrichopogon, 90  
*trivialis* MEIGEN, Mycetophila, 270  
*trivittata* (MEIGEN), Boletina, 247  
*trivittata* (DZIEDZICKI), Mycomya, 223  
*trivittata* (ZETTERSTEDT), Mycomya, 229  
*trivittata* DZIEDZICKI, Phronia, 282  
*trivittata* (STAEGER), Pseudexechia, 321  
*trivittata* LUNDSTRÖM, Trichonta, 294  
*trivittata* SANTOS ABREU, Trichonta, 291  
*trivittatus* VIMMER, Culicoides, 65  
*trossula* WINNERTZ, Trichonta, 294  
*trullata* LUNDSTRÖM, Bolitophila, 194  
*truncata* EDWARDS, Allodia, 298  
*truncata* OSTROVERKHOVA, Brachypeza, 306  
*truncata* LUNDSTRÖM, Cqelosia, 249  
*truncata* WINNERTZ, Phronia, 282  
*truncata* WINNERTZ, Rymosia, 324  
*truncata* EDWARDS, Thaumalea, 191  
*truncatum* (LUNDSTRÖM), Simulium, 186  
*truncorum* EDWARDS, Culicoides, 66  
 [tryonii SKUSE, Clastobasis, 254]  
*tshukotensis* RUBZOV, Stegopterna, 126  
*tsharae* YANKOVSKY, Hemincnetha, 150  
*tshatkalensis* REMM, Dasyhelea, 78  
*tsheburovae* (RUBZOV), Boreosimulium, 133  
*tshernovskii* RUBZOV, Schoenbaueria, 154  
*tsutsumii* TOKUNAGA, Forcipomyia, 96  
*tuberculata* REMM, Dasyhelea, 83  
*tuberosa* LUNDSTRÖM, Mycetophila, 278  
*tuberosum* (LUNDSTRÖM), Simulium, 177  
*tugaicus* DZAFAROV, Culicoides, 66  
*tumanicum* BARANOV, ssp., Simulium, 184  
*tumida* (WINNERTZ), Mycomya, 229  
*tumulosum* RUBZOV, Simulium, 177  
*tundrica* DZIEDZICKI, Boletina, 243  
*tunesica* (ENDERLEIN), Nowakia, 261  
*tungus* (RUBZOV), Sulcinephia, 132  
*tungusica* OSTROVERKHOVA, Anatella, 304  
*tungusica* OSTROVERKHOVA, Boletina, 247  
*tungusica* OSTROVERKHOVA, Mycetophila, 278  
*tungusica* (OSTROVERKHOVA), Mycomya, 229  
*tuomikoskii* HACKMAN, Allodia, 298  
*tuomikoskii* VÄISÄNEN, Neoempheria, 231  
*turanica* REMM, Palpomyia, 17  
*turanicola* REMM et NASARMUCHAMEDOV, Dasyhelea, 83  
*turanicus* GUTSEVICH, Culicoides, 66  
*turanorustica* REMM, Forcipomyia, 102  
*turfacea* KIEFFER, Dasyhelea, 79  
*turfacae* KIEFFER, Forcipomyia, 100  
*turfacea* KIEFFER, Palpomyia, 23  
*turfaceus* (KIEFFER), Ceratopogon, 45  
*turficola* KIEFFER, Atrichopogon, 89  
*turficola* KIEFFER, Culicoides, 57  
*turficola* KIEFFER, Dasyhelea, 84  
*turficola* KIEFFER, Forcipomyia, 102  
*turfosa* KIEFFER, Forcipomyia, 104  
*turgaica* (RUBZOV), Wilhelmia, 157  
*turi* DZIEDZICKI, Anatella, 304  
*turkestanicus* REMM, Ceratopogon, 46  
*turkmenica* GLUKHOVA, Bezzia, 27  
*turkmenicus* GUTSEVICH, Culicoides, 64  
*turkmenicus* MOLOTOVA, Leptoconops, 114  
*tusca* LOEW, Macrocera, 217  
*tuvae* REMM, Palpomyia, 17  
*tuzeti* W. HUTTEL et N. HUTTEL, Forcipomyia, 108  
*Twinnia* STONE et JAMNBACK, 115  
*typhae* (KIEFFER), Bezzia, 25  
*tyrrhenica* EDWARDS, Macrocera, 217  
*tyrrhenica* EDWARDS, Phronia, 288
- uchidai* (TAKAHASI), Cnetha, 146  
*ujhelyii* LUNDSTRÖM, Mycetophila, 278  
*ukrainensis* SHEVCHENKO, Culicoides, 66  
*ulmicola* MAMAEV, Mycetobia, 219  
*umbellicola* REMM, Forcipomyia, 96  
*umbraculiforma* OSTROVERKHOVA, Anatella, 304  
*umbratica* WINNERTZ, Trichonta, 294  
*umbricula* GRZEGORZEK, Phronia, 284  
*unbedarfti* HAVELKA, Dasyhelea, 84  
*uncinata* OSTROVERKHOVA et GRISHINA, Leia, 260

- uncinata* OSTROVERKHOVA, Macrocera, 217  
*uncinata* LUNDSTRÖM, Phronia, 284  
*undecimata* (RUBZOV), Sulcinephia, 132  
*undecimpunctata* TOKUNAGA, Alluaudomyia, 42  
*undosternum* REMM, Dasyhelea, 84  
*undulata* OSTROVERKHOVA, Phronia, 288  
*undulata* WINNERTZ, Polylepta, 237  
*unguiculata* (LUNDSTRÖM), Exechiopsis, 319  
*unguiculata* LUNDSTRÖM, Mycetophila, 278  
*unguigera* EDWARDS, Anatella, 304  
*unguis* (TOKUNAGA), Ceratopogon, 43  
*unguistylus* REMM, Dasyhelea, 84  
*unica* DZIEDZICKI, Phronia, 288  
*unica* OSTROVERKHOVA, Zygomomyia, 296  
*unicolor* REMM, Dasyhelea, 78  
*unicolor* (WINNERTZ), Glaphyoptera, 254  
*unicolor* (WALKER), Isoneuromyia, 202  
*unicolor* MEIGEN, Mycetophila, 270  
*unicolor* STANNIUS, Mycetophila, 278  
*unicolor* (STAEGER), Orfelia, 206  
*unicornuta* (DZIEDZICKI), Monoclonia, 235  
*unifasciata* LACKSCHEWITZ, Exechia, 315  
*unifasciata* KIEFFER, Palpomyia, 20  
*unifurcata* ZETTERSTEDT, Boletina, 248  
*unifurcata* LUNDSTRÖM, Manota, 218  
*unilineatus* REMM, Atrichopogon, 90  
*unimaculata* (MACQUART), Clinohoelea, 33  
*unimaculata* (ZETTERSTEDT), Exechia, 315  
*unimaculata* (BUKOWSKI), Mycetophila, 278  
*unimaculata* (MACQUART), Mycomyia, 228  
*unimaculatus* GOETGHEBUER, Culicoides, 71  
*uninotata* ZETTERSTEDT, Mycetophila, 278  
*unipunctata* MEIGEN, Mycetophila, 278  
*unispina* (RUBZOV), Ahaimophaga, 117  
*univittata* (ZETTERSTEDT), Sciophila, 230  
*univittatus* ZETTERSTEDT, Ceratopogon, 110  
*univittatus* VIMMER, Culicoides, 66  
*uralensis* (RUBZOV), ssp., Byssodon, 134  
*urbana* (DAVIES), Cnetha, 146  
*urbana* GOETGHEBUER, Forcipomyia, 108  
*urceolata* (OSTROVERKHOVA), Allodiopsis, 300  
*urnigera* KIEFFER, Forcipomyia, 110  
*Urosimulium* CONTINI,<sup>9</sup> 124  
*ursinum* (EDWARDS), Prosimulium, 123  
*ursuli* REMM, Forcipomyia, 99  
*Urytalpa* EDWARDS, 208  
*ussurianus* (RUBZOV), ssp., Byssodon, 134  
*ussurica* GLUKHOVA, Bezzia, 32  
*ussurica* REMM, Forcipomyia, 96  
*ussurica* REMM, Monohelea, 37  
*ussuriensis* ZAITZEV, Allactoneura, 253  
*ussuriensis* (GLUKHOVA), Ceratopogon, 46  
*ustinovi* SHEVCHENKO, Culicoides, 66  
*vallanti* (MAYER), Ceratopogon, 46  
*vallanti* MARTINOVSKY et ROZKOŠNÝ, Thaumalea, 191  
*vakulenkoi* STACKELBERG, Sciophila, 240  
*valdesia* SCHMIDT, Thaumalea, 192  
*valida* MIK, Diadocidia, 211  
*valida* WINNERTZ, Docosia, 255  
*valida* (WALKER), Megophthalmidia, 260  
*valida* WINNERTZ, Zygomomyia, 296  
*validinervis* ZETTERSTEDT, Ceratopogon, 110  
*validinervis* MEIGEN, Mycetobia, 219  
*vallense* (RUBZOV), ssp., Montisimulium, 139  
*vallouisensis* CLASTRIER, Palpomyia, 24  
*valvata* (WINNERTZ), Macropeza, 12  
*vanderwulpai* (DZIEDZICKI), Mycetophila, 274  
*vantshi* PETROVA, Rubzovia, 135  
*vara* (STAEGER), Zygomomyia, 296  
*vardaricum* BARANOV, ssp., Simulium, 184  
*varia* (MEIGEN), Odagmia, 171  
*varia* (WINNERTZ), Sciophila, 240  
*variabilis* STORÅ, Allodia, 300  
*variabilis* RUBZOV, Metacnephia, 131  
*varicolor* SÉGUY, Simulium, 186  
*varicornis* (SANTOS ABREU), Culicoides, 85  
*variegata* (WINNERTZ), Clinohoelea, 34  
*variegata* OSTROVERKHOVA, Macrocera, 217  
*variegata* (MEIGEN), Odagmia, 171  
*variegata* (WINNERTZ), Rondaniella, 262  
*variifrons* GLUKHOVA et IVANOV, Culicoides, 66  
*variopilus* KIEFFER, Palpomyia, 24  
*varipes* MEIGEN, Ceratopogon, 110  
*varipes* (MEIGEN), Simulium, 183  
*varius* (WINNERTZ), Culicoides, 52  
*vavrai* VIMMER, Culicoides, 71  
*veletensis* VAILLANT, Thaumalea, 192  
*velox* (WINNERTZ), Forcipomyia, 96  
*veltistshevi* (RUBZOV), Wilhelmia, 158  
*velutinum* (SANTOS ABREU), Eusimulium, 152  
*venefica* (FRIEDERICH), Odagmia, 171  
*venetiae* HARANT, W. HUTTEL et N. HUTTEL, Palpomyia, 24  
*venetiana* (KIEFFER), Forcipomyia, 108  
*venosa* (DZIEDZICKI), Allodiopsis, 301  
*venosa* (STAEGER), Trichonta, 294  
*ventosum* RUBZOV, ssp., Prosimulium, 121  
*ventralis* KIEFFER, Atrichopogon, 90  
*venusta* (MEIGEN), Probezzia, 12  
*venustoides* RUBZOV, Simulium, 185  
*venustum* SAY, Simulium, 186  
*verbosus* TOKUNAGA, Culicoides, 66  
*verdieri* W. HUTTEL et N. HUTTEL, Dasyhelea, 78  
*verecundum* STONE et JAMNBACK, Simulium, 186  
*verna* (MACQUART), Cnetha, 144

- vernalis REMM, *Dasyhelea*, 78  
 vernalis REMM, *Mallochohelea*, 14  
 vernalis RUBZOV, sp., *Odagmia*, 171  
 vernalis LANDROCK, *Trichonta*, 290  
 verralli (EDWARDS), *Brevicornu*, 308  
 verralli EDWARDS, *Thaumalea*, 192  
 vershininae YANKOVSKY, *Simulium*, 178  
 versicolor (WINNERTZ), *Dasyhelea*, 78  
 versicolor RUBZOV, *Obuchovia*, 160  
 verticillata STACKELBERG, *Boletina*, 248  
 verticillata KIEFFER, *Dasyhelea*, 85  
 vestita ENDERLEIN, *Cnetha*, 146  
 vexans (STAEGER), *Culicoides*, 66  
 vexans (KIEFFER), *Leptoconops*, 113  
 vicina (STAEGER), *Exechiopsis*, 317  
 [vicina (BRUNETTI), *Urytalpa*, 209]  
 vicinus (SANTOS ABREU), *Helea*, 94  
 vidanoi (RUBZOV), *Cnetha*, 146  
 vidourensis CALLOT, KREMER, MOLET et BACH,  
   *Culicoides*, 66  
 vigintifile DINULESCU, *Gnus*, 163  
 vigintiquaterni (ENDERLEIN), *Byssodon*, 134  
 vilbastei REMM, *Bezzia*, 32  
 villosa LANDROCK, *Boletina*, 248  
 villosa (ZETTERSTEDT), *Ceratopogon*, 110  
 villosum OSTROVERKHOVA, *Brevicornu*, 308  
 violaceum ENDERLEIN, *Simulium*, 186  
 violovitshi (RUBZOV), *Montisimulium*, 140  
 virens DZIEDZICKI, *Rymosia*, 325  
 virescens KIEFFER, *Stilobezzia*, 38  
 vistulensis SKIERSKA, *Culicoides*, 69  
 vitalii (RUBZOV), *Sulcinephsia*, 132  
 vitilis (RUBZOV), *Nevermannia*, 149  
 vitiosa WINNERTZ, *Cordyla*, 310  
 vitiosa WINNERTZ, *Phronia*, 285  
 vitiosus (WINNERTZ), *Brachypogon*, 47  
 vitreipennis AUSTEN, *Culicoides*, 67  
 vitripennis (MEIGEN), *Isoneuromyia*, 202  
 vitripennis (WALKER), *Isoneuromyia*, 202  
 vitripennis (MEIGEN), *Synapha*, 253  
 vitta (MEIGEN), *Trichonta*, 294  
 vittata TOKUNAGA, *Dasyhelea*, 85  
 vittata TOKUNAGA, *Forcipomyia*, 110  
 vittata MEIGEN, *Macrocera*, 217  
 vittata CLASTRIER, RIOUX et DESCOURS, *Palpomyia*,  
   24  
 vittata WINNERTZ, *Phronia*, 282  
 vittata (ZETTERSTEDT), *Psilozia*, 158  
 vittata (WALKER), *Symmerus*, 198  
 vittatus WIEDEMANN, *Ceratopogon*, 110  
 vittiger ZETTERSTEDT, *Ceratopogon*, 110  
 vittipes ZETTERSTEDT, *Mycetophila*, 278  
 vittiventris (ZETTERSTEDT), *Mycomya*, 229  
 vittulae TOKUNAGA, *Dasyhelea*, 85  
 vizzavonensis (EDWARDS), *Exechiopsis*, 319  
 v-nigrum LUNDSTRÖM, *Mycetophila*, 278  
 vollense SERBAN, *Simulium*, 186  
 vonakuniense (TAKAOKA), *Morops*, 137  
 vulcani (DZIEDZICKI), *Trichonta*, 295  
 vulgare DOROGOSTAJSKIY, *Simulium*, 177  
 vulgaris LOEW, *Trichonta*, 295  
 wagneri (RUBZOV), *Gnus*, 161  
 walkeri CURTIS, *Leptomorphus*, 235  
 wanawarica OSTROVERKHOVA, *Exechiopsis*, 319  
 wanawarica OSTROVERKHOVA et ZAITZEVA,  
   *Macrocera*, 217  
 wankowiczii (DZIEDZICKI), *Mycomya*, 229  
 weniger VIMMER, *Culicoides*, 71  
 w-fuscum DZIEDZICKI, *Mycetophila*, 268  
 wigandi ENDERLEIN, *Cnetha*, 147  
 wilhelmi ENDERLEIN, *Simulium*, 182  
*Wilhelmia* ENDERLEIN, 154  
 wilhelmiana ENDERLEIN, *Odagmia*, 163  
 willistoni DZIEDZICKI, *Phronia*, 288  
*Willistoniella* MEUNIER, 256  
 winnertzi GOETGHEBUER, *Atrichopogon*, 86  
 winnertzi EDWARDS, *Culicoides*, 57  
 winnertzi LANDROCK, *Keroplatus*, 203  
 winnertzi (TARWID), *Macrorrhyncha*, 204  
 winnertzi (DZIEDZICKI), *Mycomya*, 229  
 winnertzi EDWARDS, *Neoempheria*, 231  
 winnertzi KIEFFER, *Palpomyia*, 20  
 winnertzi MIK, *Phthinia*, 237  
 winnertzi BARENDRECHT, *Rymosia*, 325  
 winnertziana KIEFFER, *Bezzia*, 32  
 winnertzii DZIEDZICKI, *Boletina*, 243  
 winthemii (MACQUART), *Diadocidia*, 211  
 winthemii LEHMANN, *Leia*, 260  
 [wirthi SAUNDERS, *Forcipomyia*, 94]  
*Wirthomyia* VARGAS, 47  
 wrzesniowski (DZIEDZICKI), *Mycomya*, 230  
 wuelkeri MAYER, *Dasyhelea*, 84  
 wushenesis LEE, *Culicoides*, 68  
 xanthinum EDWARDS, *Simulium*, 186  
 xanthocephala GOETGBHEBUER, *Bezzia*, 27  
 xanthogaster KIEFFER, *Bezzia*, 28  
 xanthogastrum RUBZOV, *Simulium*, 180  
 xanthopeza CLASTRIER, *Monohalea*, 37  
 xanthopyga: DZIEDZICKI, *Mycetophila*, 275  
 xanthopyga WINNERTZ, *Mycetophila*, 278  
 xanthothorax REMM, *Palpomyia*, 24  
 xanthotrica MIK, *Mycetophila*, 279  
 Xenexechia TUOMIKOSKI, subg., 320  
*Xenexechia* TUOMIKOSKI, 316

- Xenoplatyura*, MALLOCH, 208  
*xerophilum* RUBZOV, ssp., *Gnus*, 161  
*Xylocrypta* KIEFFER, *Sphaeromias*, 15
- yamotoensis* SAIGUSA, ssp., *Symmerus*, 199  
*yamauchii* TOKUNAGA, *Forcipomyia*, 108  
*yamayaensis* (OGATA et SASA), *Gomphostilbia*, 136  
*yariensis* TOKUNAGA, *Ceratopogon*, 46  
*yasamatsui* SASAKAWA, *Ectrepesthoneura*, 256  
*yasumatsi* TOKUNAGA, *Palpomyia*, 24  
*yerburyi* (EDWARDS), *Boreosimulium*, 133  
*yezoense* SHIRAKI, *Prosimulium*, 123  
*yezoensis* (MATSUMURA), *Culicoides*, 52  
*yokotense* SHIRAKI, *Simulium*, 178  
*yonagoensis* (OKAMOTO), *Boophthora*, 159  
*yonakuiense* (TAKAOKA), *Morops*, 137  
*yoshimurai* TOKUNAGA, *Atrichopogon*, 91  
*yoshimurai* TOKUNAGA, *Dasyhelea*, 78  
*yoshimurai* TOKUNAGA, *Forcipomyia*, 101  
*yunhsienensis* YU, *Leptoconops*, 113
- zagrebiensis* BARANOV, ssp., *Odagmia*, 169  
*zaitzevi* RUBZOV, ssp., *Prosimulium*, 121
- zajantshkauskasi* REMM, *Bezzia*, 32  
*zakhariensis* (RUBZOV), *Cnetha*, 147  
*zavreli* KIEFFER, *Dasyhelea*, 85  
*Zelmira* MEIGEN, 205  
*zernyi* GOETGHEBUER, *Palpomyia*, 24  
*zernyi* EDWARDS, *Thaumalea*, 192  
*zetlandensis* (DAVIES), *Wilhelmia*, 158  
*zetterstedti* LUNDSTRÖM, *Macrocera*, 217  
*zetterstedti* CARLSSON, *Simulium*, 182  
*zetterstedtii* LUNDSTRÖM, *Mycetophila*, 279  
*zhiltzovae* (RUBZOV), *Cnetha*, 147  
*zhogolevi* REMM, *Culicoides*, 67  
*zibanensis* CLASTRIER, *Nilobezzia*, 15  
*zlatensis* DAMIAN-GEORGESCU, *Forcipomyia*, 108  
*znojkoii* (RUBZOV), *Sulcinephia*, 132  
*zonata* (ZETTERSTEDT), *Polylepta*, 238  
*zonata* (ZETTERSTEDT), *Pyratula*, 207  
*zonata* TOKUNAGA, *Stilobezzia*, 38  
*zugmayeriae* DZIEDZICKI, *Megophthalmidia*, 260  
*zverevae* RUBZOV, *Greniera*, 127  
*zwicki* WAGNER, *Thaumalea*, 192  
*Zygomyia* WINNERTZ, 295